



# Hangar 1 Data Summary Submittal

Low Occupancy Area of Zone 7  
Former Naval Air Station Moffett Field, California

*prepared on behalf of*  
**Planetary Ventures, LLC**

*prepared by*  
**Rincon Consultants, Inc.**

**June 2024**

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## Acronyms and Abbreviations

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|                        |                                                        |
|------------------------|--------------------------------------------------------|
| CCC                    | Certified Coating Company                              |
| DCB                    | Decachlorobiphenyl                                     |
| DSS                    | Data Summary Submittal                                 |
| DUA                    | Data Useability Assessment                             |
| EKI                    | EKI Environment & Water, Inc.                          |
| Enthalpy               | Enthalpy Analytical, LLC                               |
| ft <sup>2</sup>        | 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 <sup>2</sup> | Micrograms per 100 Square Centimeters                  |
| µg/ft <sup>2</sup>     | Micrograms per Square Foot                             |
| UFP-QAPP               | Uniform Federal Policy Quality Assurance Project Plan  |
| U.S. EPA               | United States Environmental Protection Agency          |
| Water Board            | San Francisco Bay Regional Water Quality Control Board |
| >                      | Greater than                                           |
| <                      | Less than                                              |
| %                      | Percent                                                |





## Executive Summary

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Rincon Consultants, Inc. has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement activities within the Low Occupancy Area of Zone 7 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 7 within Hangar 1.

The National Association of Corrosion Engineers (NACE) inspection reports indicate that the lead and polychlorinated biphenyl (PCB) impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 56 confirmation wipe samples collected from within the Low Occupancy Area of Zone 7 was approximately 154 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ), which is less than the numeric Cleanup Goal for lead (i.e., 250  $\mu\text{g}/\text{ft}^2$ ). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 micrograms per 100 square centimeters (i.e., less than [ $<$ ] 0.5  $\mu\text{g}/100\text{ cm}^2$ ), which is less than the Cleanup Goal for PCBs, in any of the confirmation wipe samples collected from within the Low Occupancy Area of Zone 7.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the Low Occupancy Area of Zone 7 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency and San Francisco Regional Water Quality Control Board provide concurrence that no further abatement is required for the Low Occupancy Area of Zone 7.



# 1 Introduction

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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 Area<sup>1</sup> of Zone 7 of Hangar 1 (Figure 1), located at Former Naval Air Station Moffett Field, California, conducted pursuant the Agency-approved<sup>2</sup> 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 7 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,<sup>3</sup> and a table summarizing these results (Attachment 6).

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<sup>1</sup> The Low Occupancy Area of Zone 7 includes the area above the arch pin (i.e., 55-feet above the hangar floor) in Enclosures A/B and C/D.

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

<sup>3</sup> In accordance with the Regulatory Agency approved *PCB Wipe Sampling Reduction Memorandum* dated September 13, 2023 (Rincon, 2023c), PCB clearance wipe samples were not collected in Zone 7.



## 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 | <ul style="list-style-type: none"><li>• Lead</li><li>• PCBs</li></ul> | <ul style="list-style-type: none"><li>• Visual Inspection by qualified NACE/SSPC surface coating inspector</li><li>• Collection and analysis of wipe confirmation samples</li></ul> | <ul style="list-style-type: none"><li>• No visible paint remains</li><li>• Achievement of NACE 3/SSPC SP-6 surface preparation and visible cleanliness standard</li><li>• Lead: &lt;250 micrograms per square foot (<math>\mu\text{g}/\text{ft}^2</math>)</li><li>• PCBs: &lt;100 micrograms per 100 square centimeters (<math>\mu\text{g}/100\text{ cm}^2</math>)</li></ul> |

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

The visual inspections (Section 2.1) and confirmation wipe sampling (Section 2.2) results indicate that the Cleanup Goals have been met and no additional abatement is necessary within the Low Occupancy Area of Zone 7.

### 2.1 Visual Inspections

In accordance with the NTCRA Work Plan, following completion of abatement<sup>4</sup> 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 7, the qualified NACE inspector confirmed that all visible paint had been removed from the abated surfaces and that the abated surfaces achieved a NACE #3/SSPC SP-6 surface cleanliness standard or better. The NACE inspection reports are included in Attachment 1.

### 2.2 Confirmation Sampling Results

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

<sup>4</sup> Abatement in both the High and Low Occupancy Areas of Zone 7 was completed on April 16, 2024.



## 2.2.1 Initial Abatement and Sampling Efforts

A total of 94 confirmation wipe samples were collected from the Low Occupancy Area of Zone 7, including QC samples (i.e., field blank samples, media blank samples, and field duplicate samples). Of the 94 confirmation wipe samples and QC samples, 70 were lead wipe samples and 24 were PCB wipe samples,<sup>5</sup> including:

- 56 lead confirmation wipe samples and 20 PCB confirmation wipe samples;
- Four lead media blank samples;<sup>6</sup>
- Four lead field blank samples and two PCB field blank samples; and,
- Six lead duplicate confirmation wipe samples and two PCB duplicate confirmation wipe samples.

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

## 2.2.2 Re-Abatement and Re-Sampling Efforts

Within Zone 7 Enclosure C/D, lead was detected at concentrations that exceed the Cleanup Goal in three samples. Although the reported concentrations were not greater than 5-times the Cleanup Goal for lead, and less than 10-percent of the analytical results within the Low Occupancy Area were greater than 3-times the Cleanup Goal, Certified Coatings Company (CCC) and McCarthy opted to re-abate at three locations. The approximately 2,000 square foot areas represented by each of these sample locations were re-abated, re-cleaned, and re-sampled, which resulted in the collection of three additional confirmation lead wipe samples. As seen in Table 1, the lead concentrations in the confirmation wipe samples collected following re-abatement were below the Cleanup Goal. As PCBs were not detected in any of the confirmation wipe samples, re-abatement due to elevated PCB concentrations was not necessary and additional confirmation wipe sampling for PCBs was not conducted following re-abatement.

Table 1 Lead Wipe Re-Abatement Summary

| Initial Sample ID                             | Initial Lead Concentration (µg/ft <sup>2</sup> ) | Lead Concentration After Re-Abatement (µg/ft <sup>2</sup> ) |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------------------------|
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA | 640                                              | 11                                                          |
| ARCH-C14W-INT-3.5 to 4.5-240308-L-WF          | 910                                              | 1.3                                                         |
| ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA | 440                                              | 4.8                                                         |

Within Zone 7 Enclosure A/B, lead was detected at concentrations that exceed the Cleanup Goal in five samples. However, re-abatement of these locations was not required as the overall 95-percent upper confidence limit (UCL) for the mean lead concentration did not exceed the Cleanup Goal for lead.

## 2.2.3 Evaluation of the Confirmation Wipe Sampling Data

Once re-abatement, re-cleaning, and re-sampling activities were completed within the Low Occupancy Area of Zone 7, a total of five of the lead confirmation wipe samples collected, or approximately 9-percent, exceeded the numeric Cleanup Goal of less than (<) 250 µg/ft<sup>2</sup> and while one of the lead

<sup>5</sup> PCB confirmation wipe samples were collected in accordance with Rincon 2023c.

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

confirmation wipe samples, or approximately 2-percent, exceeded 3-times the Cleanup Goal, none of the samples exceeded 5-times the Cleanup Goal.

Rincon calculated the 95-percent UCL for the mean lead concentration in the confirmation wipe samples using Version 5.2 of the ProUCL program (U.S. EPA, 2022). The results for the field blank samples, the media blank samples, and the lower of the duplicate sampling results<sup>7</sup> were not included in the calculation of the 95-percent UCL. As shown in Table 2, the 95-percent UCL of the mean lead concentration (i.e., approximately 154 µg/ft<sup>2</sup>) in the confirmation wipe samples is below the numeric Cleanup Goal. The ProUCL input and output files for lead confirmation wipe samples are included in Attachment 4.

All PCB confirmation wipe sample results were below 0.5 µg/100 cm<sup>2</sup>, the highest reported laboratory quantitation limit (QL); therefore, none of the PCB sample results exceeded the numeric Cleanup Goals for the Low Occupancy Area of <100 µg/100 cm<sup>2</sup>. The 95-percent UCL of the mean PCB concentration could not be calculated because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected within the Low Occupancy Area of Zone 7.

Table 2 95-Percent UCL for Confirmation Wipe Samples

| Analyte                                                                                                                                                          | Method                      | Numeric Cleanup Goal        | 95% UCL                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|------------------------|
| Lead                                                                                                                                                             | U.S. EPA Method 3050M/6010B | <250 µg/ft <sup>2</sup>     | 154 µg/ft <sup>2</sup> |
| PCB                                                                                                                                                              | U.S. EPA Method 8082        | <100 µg/100 cm <sup>2</sup> | --[a]                  |
| <b>Notes:</b><br>[a] The 95-percent UCL could not be calculated for PCBs because all analytical results for confirmation wipe samples were below laboratory QLs. |                             |                             |                        |

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





## 3 Data Usability Assessment

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

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

### 3.1 Data Verification

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

A field audit by Rincon's field manager, which included a review of the field sampling protocols, was conducted on May 2, 2024. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA.<sup>8</sup> 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.

While the total square footage of steel within the Low Occupancy Area of Zone 7 was less than that which was estimated in note [b] in Worksheet #20-2,<sup>9</sup> the confirmation lead wipe sampling frequency (i.e., one sample per 1,954 square feet [ft<sup>2</sup>] of abated steel) as well as the frequencies of the lead field duplicate, field blank, and media blank samples were consistent with, or greater than, the frequencies presented in the revised Worksheet #20-2. A summary of the total number of confirmation lead wipe samples and field QC samples is provided in Table 3.

The PCB confirmation wipe samples were collected in accordance with the frequency outlined in the Regulatory Agency approved *Reduction of Confirmation and Clearance Wipe Sample Collection for PCB*

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<sup>8</sup> When reviewing field documentation the week of April 30, 2024, the Project Team noticed that the field audit for 1<sup>st</sup> Quarter of 2024 had not been completed. The field audit conducted on May 2, 2024 was a make-up field audit for the missed field audit for 1<sup>st</sup> Quarter of 2024. For more information, please refer to the Biweekly Report for the period ending May 3, 2024. Copies of all field audits will be included in the NTCRA Completion Report.

<sup>9</sup> A revised Worksheet #20-2 was included as Attachment 2 of the *Lead Detections in Media Blank Samples* memorandum dated August 3, 2023 (Rincon, 2023b).



*Analysis in Zone 5 through Zone 8 Memorandum* (PCB Sampling Reduction Memo; Rincon, 2023c). Table 4 provides a summary of the total number of confirmation wipe samples and field QC samples for PCBs within the Low Occupancy Area of Zone 7.

Table 3 Lead Wipe Sample Summary

|                                                                                                                                                                                                                                                                                                                                                                         | No. of Lead Confirmation Wipe Samples                    | No. of Field Duplicates or Frequency | No. of Field Blanks or Frequency [b] | No. of Media Blanks or Frequency [b] |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Required frequency per UFP-QAPP Worksheet #20-2                                                                                                                                                                                                                                                                                                                         | 1 sample per every 2,000 ft <sup>2</sup> of abated steel | 10%                                  | 5%                                   | 5%                                   |
| Anticipated Number of Samples                                                                                                                                                                                                                                                                                                                                           | 73 [a]                                                   | 8 [10%]                              | 4 [5%]                               | 4 [5%]                               |
| Actual Square Footage within the Low Occupancy Area of Zone 7                                                                                                                                                                                                                                                                                                           | 109,470 ft <sup>2</sup>                                  |                                      |                                      |                                      |
| Samples Collected                                                                                                                                                                                                                                                                                                                                                       | 56                                                       | 6                                    | 4                                    | 4                                    |
| Actual Frequency                                                                                                                                                                                                                                                                                                                                                        | 1 sample per 1,954 ft <sup>2</sup> of abated steel       | 11%                                  | 7%                                   | 7%                                   |
| <b>Notes:</b><br>[a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 145,000 ft <sup>2</sup> of steel.<br>[b] As described in the <i>Lead Detections in Media Blank Samples Memorandum</i> dated August 3, 2023 (Rincon, 2023b), Rincon began collecting both field blank and media blank samples for lead on July 24, 2023. |                                                          |                                      |                                      |                                      |

Table 4 PCB Wipe Sample Summary

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No. of PCB Confirmation Wipe Samples | No. of Field Duplicates or Frequency | No. of Field Blanks or Frequency [a] |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Required frequency per Rincon, 2023c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10 samples per enclosure [b]         | 10%                                  | 5%                                   |
| Anticipated Number of Samples                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20                                   | 2                                    | 2                                    |
| Samples Collected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20                                   | 2 [10%]                              | 2 [10%]                              |
| <b>Notes:</b><br>[a] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP.<br>[b] While the NTCRA Work Plan originally proposed reducing the confirmation sampling frequency to 10 samples plus one duplicate sample per enclosure, the Project Team opted to combine some of the enclosures together for Zone 7 (i.e., Enclosure A/B and Enclosure C/D). Therefore, to remain consistent with the overall number of samples per zone, the Project Team collected 40 confirmation samples plus 4 duplicate samples in Zone 7 (Rincon, 2023c). The remaining 20 PCB confirmation wipe samples were collected within the High Occupancy Area of Zone 7 and will therefore be described in the Data Summary Submittal for the High Occupancy Area of Zone 7. |                                      |                                      |                                      |

## 3.2 Data Validation

LDC conducted data validation on the analytical laboratory reports for the confirmation wipe samples collected, which included a review of chain-of-custody forms and laboratory deliverables. Stage 3 validation was conducted on 47 samples and Stage 2A validation was conducted on the remaining 50 samples (Attachment 5).

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

## 3.3 Data Precision

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



### 3.3.1 Laboratory Duplicate Samples

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

Table 5 Laboratory Duplicate Sample Summary

| Laboratory QC Sample                                                                       | No. of Lab QC Samples Analyzed | MPC            | No. of Lab QC Samples Exceeding MPC | Percentage of Laboratory QC Samples that Exceeded the MPC |
|--------------------------------------------------------------------------------------------|--------------------------------|----------------|-------------------------------------|-----------------------------------------------------------|
| LCS/LCSD – Lead                                                                            | 6                              | RPD $\leq$ 20% | 0                                   | 0%                                                        |
| LCS/LCSD – PCB                                                                             | 2                              | RPD $\leq$ 20% | 0                                   | 0%                                                        |
| <b>Notes:</b><br>LCS: Laboratory Control Spike<br>LCSD: Laboratory Control Spike Duplicate |                                |                |                                     |                                                           |

### 3.3.2 Field Duplicate Samples

As seen in Table 6, the lead field duplicate samples met the MPC outlined in the UFP-QAPP (i.e., equal to or less than 100%) for five of the six field sample pairs (i.e., 83-percent of duplicate pairs met the MPC);<sup>10</sup> the general agreement between sample and sample duplicate results indicates that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and the field sampling was conducted in a reproducible manner. While the RPD for the field duplicate sample pair that exceeded the MPC was 108-percent, to be conservative, the highest of the duplicate sample pair results was used in the calculation of the 95-percent UCL.

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

Table 6 Field Duplicate Sample Summary

| Analyte – Sample Type                                                                                                                                              | No. of Field Duplicate Samples Collected | MPC             | No. of Field Duplicate Samples in Exceedance of the MPC | Percentage of Field Duplicate Samples that Exceeded the MPC |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------|---------------------------------------------------------|-------------------------------------------------------------|
| Lead – Wipe                                                                                                                                                        | 6                                        | RPD $\leq$ 100% | 1                                                       | 17%                                                         |
| PCB – Wipe                                                                                                                                                         | 2                                        | RPD $\leq$ 100% | --[a]                                                   | --[a]                                                       |
| <b>Notes:</b><br>[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.<sup>11</sup> Data accuracy is a measure of the overall agreement with a known value and includes a combination of random error and

<sup>10</sup> While the RPD for one of the six field duplicate sample pairs exceeded the MPC outlined in the UFP-QAPP, the assertion that the cleaning procedures used prior to sampling were implemented consistently and that field sampling activities were conducted in a reproducible manner is supported by the fact that all of the RPDs in the six field duplicate sample pairs collected from the high occupancy area of Zone 7 met the MPC; additional information regarding the high occupancy area of Zone 7 will be presented in the Data Summary Submittal for the High Occupancy Area of Zone 7 (in preparation).

<sup>11</sup> As indicated in the UFP-QAPP, matrix spike and matrix spike duplicate samples are not prepared and analyzed for wipe samples.

systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

### 3.4.1 Laboratory QC Samples

As seen in Table 7, all laboratory QC samples for lead and PCB confirmation wipe samples met the MPC outlined in the UFP-QAPP.

Table 7 Laboratory QC Sample Summary

| Laboratory QC Samples                 | No. of Samples Analyzed | MPC        | No. of Samples Outside of the MPC | Percentage of Samples that do not meet MPC |
|---------------------------------------|-------------------------|------------|-----------------------------------|--------------------------------------------|
| Lead LCS and LCSD                     | 12                      | %R 80-120% | 0                                 | 0%                                         |
| Lead Method Blank Samples             | 6                       | <QL        | 0                                 | 0%                                         |
| PCB LCS and LCSD                      | 4                       | %R 60-140% | 0                                 | 0%                                         |
| PCB Method Blank Samples              | 2                       | <QL        | 0                                 | 0%                                         |
| <b>Notes:</b><br>%R: Percent Recovery |                         |            |                                   |                                            |

The Continuing Calibration Verification (CCV) is a mid-level standard analyzed during and/or at the end of an analytical batch. The CCV verifies that the instrument has not drifted from the initial calibration response and is only assessed during the Stage 3 data validation process. The percent difference (%D) measured during CCV in one batch exceeded the MPC of ≤15% for Aroclors 1248, 1254, 1260, 1262, and 1268 (SDG# 504073). Data qualifiers (i.e., “UJ” flags) were applied to the affected Aroclors for each sample in the batch where the %D in the CCV exceeded the MPC of ≤15%, as shown in Attachment 2.

### 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.

One PCB field blank sample (i.e., 240308-P-FIELDBLANK1-LO) reported TCMX and DCB surrogate recoveries higher than the laboratory defined limits. While high surrogate recovery indicates that the analytical results may be biased high, flagging is not required given that PCBs were not reported in the sample at concentrations above the laboratory analytical reporting limit of 0.5 µg/100 cm<sup>2</sup>.

### 3.4.3 Field QC Samples

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

Table 8 Field QC Sample Summary

| Laboratory QC Samples                                                                                                                                                                    | No. of Samples Analyzed | MPC                    | Percentage of Samples that do not meet MPC |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|--------------------------------------------|
| Lead Field Blank Samples                                                                                                                                                                 | 4                       | <10 µg/ft <sup>2</sup> | 0%                                         |
| Lead Media Blank Samples [a]                                                                                                                                                             | 4                       | <QL                    | 0%                                         |
| PCB Field Blank Samples                                                                                                                                                                  | 2                       | <QL                    | 0%                                         |
| <b>Notes:</b><br>[a] As described in the <i>Lead Detections in Media Blank Samples Memorandum</i> dated August 3, 2023 (Rincon, 2023b), media blank samples were only analyzed for lead. |                         |                        |                                            |

In accordance with the corrective actions described in the *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum* (Media Blank Memo; Rincon, 2023b), Rincon collected both lead field blank and lead media blank samples in the Low Occupancy Area of Zone 7. Because PCBs have

not been detected above the laboratory QLs in any field blank samples, media blank samples were only analyzed for lead. Field blank samples were analyzed for both lead and PCBs.

Lead was detected above the laboratory QL in three of the four 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 the 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, 2023a), the lead reported in field blank samples is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.<sup>12</sup> Therefore, while lead in the enclosure may be impacting field blank samples, the same ambient lead concentrations are likely impacting all the confirmation wipe samples and as a result are likely biasing the lead confirmation wipe sampling results high.

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

Lead was not detected above laboratory QLs in any of the media blank samples associated with the Low Occupancy Area of Zone 7.

## 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 7:

- A field audit, which included a review of the field sampling protocols, was conducted by Rincon's field manager on May 2, 2024. Sample collection was performed in compliance with the field SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples; and
- All confirmation wipe samples were analyzed within acceptable sample holding times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP.<sup>13</sup>

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<sup>12</sup> 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.

<sup>13</sup> Rincon personnel and/or the laboratory provided courier deliver the confirmation wipe samples to the Enthalpy Analytical location in Berkeley, CA. Upon receipt of the confirmation wipe samples, the laboratory staff then complete a sample check-in form prior to shipping the samples to the Enthalpy Analytical location in Orange, CA. Upon receipt of the samples at the Enthalpy Analytical location in Orange, CA, a second sample check-in form is completed for the samples, resulting in two sample check-in forms being included in the laboratory analytical reports. However, if samples are shipped directly to Enthalpy Analytical in Orange, CA by Rincon personnel, only one sample check-in form is completed by laboratory staff upon receipt of the samples in Orange, CA, resulting in one sample check-in form being included in the laboratory analytical report.



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

### 3.5.2 Completeness

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

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

Table 9 Completeness for Confirmation Wipe Samples

| Analyte – Sample Type | Total No. of Samples | Usable Results (%) | Unusable Results (%) | % Completeness - MPC |
|-----------------------|----------------------|--------------------|----------------------|----------------------|
| Lead – Wipe           | 56                   | 100%               | 0%                   | >90%                 |
| PCB – Wipe            | 20                   | 100%               | 0%                   | >90%                 |

### 3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data are considered comparable if quality assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the Low Occupancy Area of Zone 7) 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 7, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on May 2, 2024, as well as regular reviews of field forms and chain-of-custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

## 3.6 Sensitivity

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. As seen in Table 10, the laboratory specific QLs outlined in the UFP-QAPP were 0.5 µg/ft<sup>2</sup> for lead and 0.5 µg/100 cm<sup>2</sup> for PCBs. Two lead confirmation wipe samples had QLs exceeding the limits defined in the UFP-QAPP, however because lead concentrations were high in the affected samples (i.e., 640 and 760 µg/ft<sup>2</sup>), the elevated QLs do not impact the data quality, despite exceeding the UFP-QAPP's MPC. The remainder of the lead confirmation wipe samples had QLs that were below the laboratory specific QLs as identified in the UFP-

QAPP. The QLs for all the PCB confirmation wipe samples met the laboratory specific QLs outlined in the UFP-QAPP.

Table 10      Sensitivity Comparison for Confirmation Wipe Samples

| Analyte | Method                      | Numeric Cleanup Goal        | Laboratory Specific QL in UFP-QAPP | Maximum QL Reported         |
|---------|-----------------------------|-----------------------------|------------------------------------|-----------------------------|
| Lead    | U.S. EPA Method 3050M/6010B | <250 µg/ft <sup>2</sup>     | 0.5 µg/ft <sup>2</sup>             | 0.94 µg/ft <sup>2</sup>     |
| PCB     | U.S. EPA Method 8082        | ≤100 µg/100 cm <sup>2</sup> | 0.5 µg/100 cm <sup>2</sup>         | 0.50 µg/100 cm <sup>2</sup> |



## 4 Clearance Wipe Sampling Results

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

In accordance with the UFP-QAPP, following pressure washing activities, clearance wipe samples were collected from the decontaminated surfaces in both the High and Low Occupancy Areas of Enclosures A/B and C/D to demonstrate that the contents of each enclosure had been adequately cleaned and that the average lead and PCB concentrations in the enclosures were not greater than the Clearance Goals (i.e.,  $<250 \mu\text{g}/\text{ft}^2$  for lead and  $\leq 10 \mu\text{g}/100 \text{ cm}^2$  for PCBs). Following Regulatory Agency approval of the PCB Sampling Reduction Memo (Rincon, 2023c), clearance wipe samples collected within Zone 7 were only analyzed for lead.

Rincon conducted a review of laboratory analytical reports for the clearance wipe samples collected in Zone 7. 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 7 are presented in Attachment 6. The average lead clearance sampling results for Enclosure A/B and C/D, after re-cleaning and re-sampling, were  $187$  and  $219 \mu\text{g}/\text{ft}^2$ , respectively. The results for the field blank samples, the media blank samples, and the lower of the duplicate sampling results, were not included in the calculation of the average of the clearance wipe sampling results. In addition, “b” flags were applied to two lead sample results due to an exceedance in lead during analysis of the interference check standard, however there are no relevant interferents present in the samples, therefore there is no impact on the reported data.

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

In accordance with Worksheet #17 of the UFP-QAPP, the average concentration of lead in the clearance samples collected in both the High and Low Occupancy Areas of each enclosure were compared with the Clearance Goals. The averages of the clearance sampling results for the cleaned scaffolding, structural steel, and enclosure materials were below the Clearance Goals of  $<250 \mu\text{g}/\text{ft}^2$  for lead, indicating these materials were adequately decontaminated, and no additional decontamination was required for the two enclosures within Zone 7.



## 5 Conclusions

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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 7 was approximately  $154 \mu\text{g}/\text{ft}^2$ , which is below the numeric Cleanup Goal for lead (i.e.,  $<250 \mu\text{g}/\text{ft}^2$ ). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of  $0.5 \mu\text{g}/100 \text{ cm}^2$  in any of the confirmation samples collected from within the Low Occupancy Area of Zone 7.

Given that the 95-percent UCL for lead confirmation wipes is below the numeric Cleanup Goal for lead and that PCBs were not detected in any of the confirmation wipe samples above a maximum analytical reporting limit of  $0.5 \mu\text{g}/100 \text{ cm}^2$ , the Low Occupancy Area of Zone 7 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 7.

## 6 References

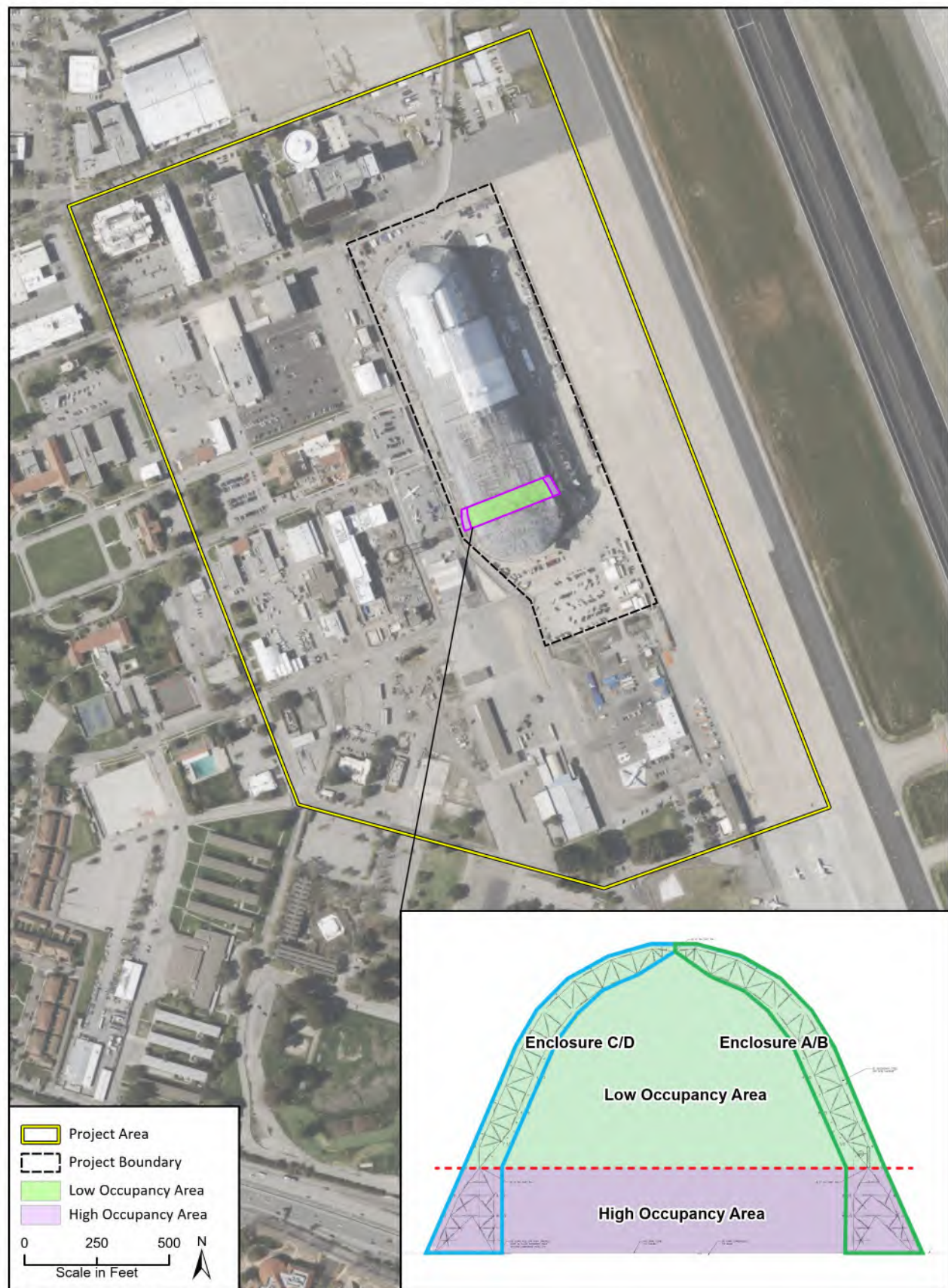
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- EKI Environment & Water, Inc. (EKI). 2022. *NTCRA Work Plan, Former Naval Air Station Moffett Field, California*. EKI Environment & Water, Inc. March 14, 2022.
- Rincon Consultants, Inc. (Rincon). 2023a. *Hangar 1 Data Summary Submittal, High Occupancy Area of Zone 1, Former Naval Air Station Moffett Field, California*. March 2023.
- Rincon. 2023b. *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum*. August 3, 2023.
- Rincon, 2023c. *Reduction of Confirmation and Clearance Wipe Sample Collection for PCB Analysis in Zone 5 through Zone 8*. September 13, 2023.
- United States Environmental Protection Agency (U.S. EPA). *ProUCL: Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations*. Version 5.2. <https://www.epa.gov/land-research/proucl-software>, 2022.



## Figures

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Plan Map and Cross Section of Zone 7

Figure 1

# Attachment 1

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NACE Inspection Forms



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



Client Representative: McCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Wednesday, February 21, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 9:36AM  | 11:36AM | 1:36PM  | 3:36PM  |  |  |  |                      |
| Dry Bulb                  | 52.5 °F | 57.8 °F | 62.0 °F | 65.0 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 49.9 °F | 53.7 °F | 55.7 °F | 57.2 °F |  |  |  |                      |
| Depression                | 2.6 °F  | 4.1 °F  | 6.3 °F  | 7.8 °F  |  |  |  |                      |
| Relative Humidity         | 83.4%   | 76.0%   | 66.5%   | 60.3%   |  |  |  | 85%                  |
| Dew Point                 | 46.6 °F | 50.3 °F | 50.7 °F | 50.9 °F |  |  |  |                      |
| Steel temp                | 51.8 °F | 57.2 °F | 60.9 °F | 64.0 °F |  |  |  | 35-120 F             |
| Difference                | 5.2 °F  | 6.9 °F  | 10.2 °F | 13.1 °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. 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<sup>2</sup>  
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐  
Paint mixed per manufacturer's instructions: YES ☐ NO ☐  
Time Elapsed Since Surface Prep: \_\_\_\_\_  
Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_  
Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_  
Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_  
Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_  
Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils  
Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_  
Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐

**FINISH** ☐

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

Notes: DAY #1 BLASTING ZONE 7C, 16 GUYS.

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

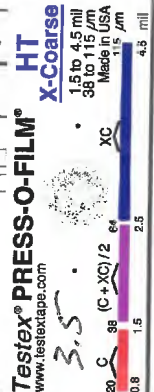
QC Inspector Signature: [Signature] Date: 2/21/2024

QC Supervisor Signature: [Signature] Date: 2-26-24

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

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

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QUALITY CONTROL - DAILY REPORT



Client Representative: MCCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Thursday, February 22, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 6:36AM  | 10:36AM | 12:36PM | 4:36PM  |  |  |  |                      |
| Dry Bulb                  | 50.3 °F | 54.8 °F | 60.1 °F | 69.2 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 46.5 °F | 51.3 °F | 55.6 °F | 59.7 °F |  |  |  |                      |
| Depression                | 3.8 °F  | 3.5 °F  | 4.5 °F  | 9.5 °F  |  |  |  |                      |
| Relative Humidity         | 75.1%   | 78.6%   | 75.3%   | 55.2%   |  |  |  | 85%                  |
| Dew Point                 | 42.7 °F | 48.3 °F | 52.3 °F | 52.5 °F |  |  |  |                      |
| Steel temp                | 48.1 °F | 54.0 °F | 59.6 °F | 68.6 °F |  |  |  | 35-120 F             |
| Difference                | 5.4 °F  | 5.7 °F  | 7.3 °F  | 16.1 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

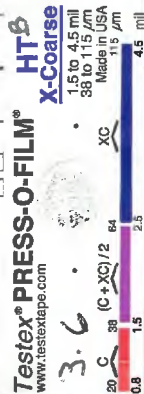
Environmental Controls? CONTAINMENT AND DUST COLLECTORS.  
Work area illumination value: >50 FC

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

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 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: \_\_\_\_\_  $\mu\text{g}/\text{cm}^2$   
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 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 ☐  
Time Elapsed Since Surface Prep: \_\_\_\_\_  
Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_  
Part A Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_  
Part C Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils  
Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_  
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: DAY #2 BLASTING ZONE 7C, 16 GUYS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge  
QC Inspector Signature: \_\_\_\_\_ Date: 2/22/2024  
QC Supervisor Signature: \_\_\_\_\_ Date: 2-26-24  
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested  
Distribution: 1. Jobsite file 2. Project Manager 3. Client  
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Client Representative: **McCARTHY**  
Certified Supervisor: **NICK RODRIGUEZ-ISRAEL VILLALOBOS**  
Work Location: **MOFFETT FIELD CA.**  
Owner: **GOOGLE**  
Task: **ZONE 7 AREA C ABRASIVE BLASTING**

Project: **HANGAR 1**  
Inspector: **TJ GARDNER**  
Date Worked: **Friday, February 23, 2024**  
Address: **FORMER NAVAL AIR STATION  
MOFFETT FIELD CA.94305**

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 6:36AM  | 9:36AM  | 12:36PM | 3:36PM  |  |  |  |                      |
| Dry Bulb                  | 50.5 °F | 53.9 °F | 59.6 °F | 70.8 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 44.9 °F | 50.2 °F | 53.6 °F | 59.4 °F |  |  |  |                      |
| Depression                | 5.6 °F  | 3.7 °F  | 6.0 °F  | 11.4 °F |  |  |  |                      |
| Relative Humidity         | 62.2%   | 76.8%   | 66.5%   | 48.4%   |  |  |  | 85%                  |
| Dew Point                 | 38.0 °F | 46.9 °F | 48.5 °F | 50.3 °F |  |  |  |                      |
| Steel temp                | 48.9 °F | 52.9 °F | 58.0 °F | 69.9 °F |  |  |  | 35-120 F             |
| Difference                | 10.8 °F | 6.1 °F  | 9.6 °F  | 19.5 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

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

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

#### SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: **N/A** PSI

Comments: **N/A**

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: **2** mils Actual Profile: **2.8** mils



#### PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

#### INTERMEDIATE

#### FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: **DAY #3 BLASTING ZONE 7C, 16 GUYS.**

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

QC Inspector Signature: \_\_\_\_\_ Date: **2/23/2024**

QC Supervisor Signature: \_\_\_\_\_ Date: **2-26-24**

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

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

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



Client Representative: McCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA C ABRASIVE BLASTING

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

**Environmental Conditions:**

| Time              | 6:36AM  | 10:36AM | 1:36PM  | 4:36PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 58.5 °F | 55.3 °F | 62.0 °F | 64.8 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 52.5 °F | 51.7 °F | 55.7 °F | 57.1 °F |  |  |  |  |                      |
| Depression        | 6.0 °F  | 3.6 °F  | 6.3 °F  | 7.7 °F  |  |  |  |  |                      |
| Relative Humidity | 65.9%   | 78.3%   | 66.5%   | 61.1%   |  |  |  |  | 85%                  |
| Dew Point         | 47.1 °F | 48.7 °F | 50.7 °F | 51.1 °F |  |  |  |  |                      |
| Steel temp        | 52.5 °F | 54.1 °F | 60.9 °F | 63.5 °F |  |  |  |  | 35-120 F             |
| Difference        | 5.4 °F  | 5.4 °F  | 10.2 °F | 12.4 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.  
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 ☐

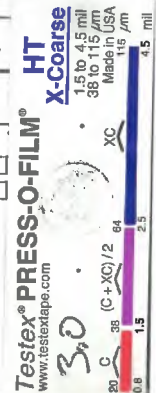
Size GX2 (attach pictures of blower - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3 mils



**PRIMER**

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐

**FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: DAY #4 BLASTING ZONE 7C, 16 GUYS.

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

QC Inspector Signature: \_\_\_\_\_

Date: 2/26/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 3-4-24

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Tuesday, February 27, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA.94305

Environmental Conditions:

| Time              | 6:36AM  | 10:36AM | 12:36PM | 4:36PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 48.9 °F | 52.4 °F | 56.4 °F | 82.7 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 44.9 °F | 46.5 °F | 47.9 °F | 64.1 °F |  |  |  |  |                      |
| Depression        | 4.0 °F  | 5.9 °F  | 8.5 °F  | 18.6 °F |  |  |  |  |                      |
| Relative Humidity | 72.6%   | 62.1%   | 48.6%   | 30.0%   |  |  |  |  | 85%                  |
| Dew Point         | 40.5 °F | 39.8 °F | 37.3 °F | 48.1 °F |  |  |  |  |                      |
| Steel temp        | 47.3 °F | 50.8 °F | 55.3 °F | 82.5 °F |  |  |  |  | 35-120 F             |
| Difference        | 6.8 °F  | 10.9 °F | 18.0 °F | 34.4 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.  
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)

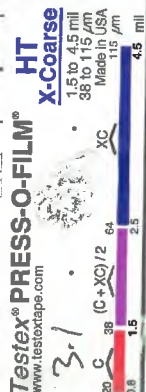
Compressed Air Tested? YES ☒ NO ☐

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: 3.1 mils



**PRIMER**

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: DAY #5 BLASTING ZONE 7C, 16 BLASTERS. COMPLETE BLASTING ZONE 7C AT 12PM.

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

QC Inspector Signature: \_\_\_\_\_

Date: 2/27/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 3-4-24

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

2. Project Manager

3. Client

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Client Representative: MCCARTHY  
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
 Work Location: MOFFETT FIELD CA.  
 Owner: GOOGLE  
 Task: ZONE 7 AREA D ABRASIVE BLASTING

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

**Environmental Conditions:**

| Time              | 6:23AM  | 10:23AM | 12:23PM | 4:23PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 49.4 °F | 51.4 °F | 55.3 °F | 59.9 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 46.2 °F | 46.5 °F | 48.8 °F | 53.1 °F |  |  |  |  |                      |
| Depression        | 3.2 °F  | 4.9 °F  | 6.5 °F  | 6.8 °F  |  |  |  |  |                      |
| Relative Humidity | 78.2%   | 68.0%   | 60.5%   | 62.0%   |  |  |  |  | 85%                  |
| Dew Point         | 42.9 °F | 41.2 °F | 41.9 °F | 46.9 °F |  |  |  |  |                      |
| Steel temp        | 48.2 °F | 49.1 °F | 53.8 °F | 58.4 °F |  |  |  |  | 35-120 F             |
| Difference        | 5.2 °F  | 7.9 °F  | 11.9 °F | 11.6 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.

Work area illumination value: &gt;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☐ OTHERSatisfactory Pre-cleaning Completed: YES ☒ NO ☐Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Compressed Air Tested? YES ☒ NO ☐  
Size GX2 (attach pictures of blotter - note date & time)Blasting performed by evaluated/approved blasters: YES ☒ NO ☐Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐Vial test performed on this batch of abrasive? YES ☒ NO ☐

Profile specified: 2 mils Actual Profile: 2.5 mils

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_

Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

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

Specified Material: \_\_\_\_\_

Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: DAY #1 BLASTING 7D. 16 BLASTERS.

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

QC Inspector Signature: \_\_\_\_\_

Date: 3/4/2024

QC Supervisor Signature: \_\_\_\_\_

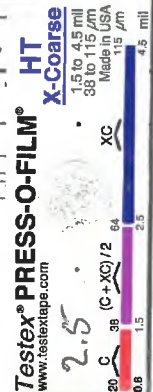
Date: 3-6-24

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

The results relate only to items inspected/tested

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

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QUALITY CONTROL - DAILY REPORT

Client Representative: MCCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Tuesday, March 5, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 5:23AM  | 9:23AM  | 12:23PM | 4:23PM  |  |  |  |                      |
| Dry Bulb                  | 49.4 °F | 52.6 °F | 58.0 °F | 61.0 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 46.2 °F | 48.3 °F | 52.3 °F | 54.6 °F |  |  |  |                      |
| Depression                | 3.2 °F  | 4.3 °F  | 5.7 °F  | 6.4 °F  |  |  |  |                      |
| Relative Humidity         | 78.2%   | 72.6%   | 67.3%   | 65.6%   |  |  |  | 85%                  |
| Dew Point                 | 42.9 °F | 44.1 °F | 47.2 °F | 49.4 °F |  |  |  |                      |
| Steel temp                | 48.2 °F | 51.3 °F | 56.1 °F | 59.8 °F |  |  |  | 35-120 F             |
| Difference                | 5.2 °F  | 7.2 °F  | 8.8 °F  | 10.5 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.

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)

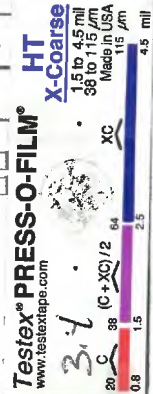
Compressed Air Tested? YES ☒ NO ☐

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: 3.4 mils



**PRIMER**

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: DAY #2 BLASTING 7D. 16 BLASTERS.

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

QC Inspector Signature: \_\_\_\_\_

Date: 3/5/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 3-10-24

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

The results relate only to items inspected/tested

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

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.  
2328 CORDELLA ROAD, FAIRFIELD, CA 94534  
QUALITY CONTROL - DAILY REPORT



Client Representative: MCCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Thursday, March 7, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

Environmental Conditions:

| Time              | 7:23AM  | 10:23AM | 12:23PM | 4:23PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 52.7 °F | 53.0 °F | 55.8 °F | 65.3 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 48.7 °F | 49.6 °F | 51.2 °F | 55.4 °F |  |  |  |  |                      |
| Depression        | 4.0 °F  | 3.4 °F  | 4.6 °F  | 9.9 °F  |  |  |  |  |                      |
| Relative Humidity | 74.6%   | 78.5%   | 72.5%   | 50.2%   |  |  |  |  | 85%                  |
| Dew Point         | 44.9 °F | 46.5 °F | 47.1 °F | 46.3 °F |  |  |  |  |                      |
| Steel temp        | 51.2 °F | 52.2 °F | 53.8 °F | 64.2 °F |  |  |  |  | 35-120 F             |
| Difference        | 6.3 °F  | 5.7 °F  | 6.7 °F  | 17.9 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.  
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

Compressed Air Tested? YES ☒ NO ☐

(attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.1 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material:

Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Material Applied:

Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_

Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_

Qty. Applied: \_\_\_\_\_

Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_

Max. Storage Temp. \_\_\_\_\_

Actual Storage Temperature \_\_\_\_\_

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

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: \_\_\_\_\_

Material Applied:

Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_

Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_

Qty. Applied: \_\_\_\_\_

Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_

Max. Storage Temp. \_\_\_\_\_

Actual Storage Temperature \_\_\_\_\_

Notes: DAY #3 BLASTING 7D. 16 BLASTERS. BLAST UNTIL 11:45AM FOR CONFIRMATION SAMPLE MARKOUT.

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

QC Inspector Signature: \_\_\_\_\_

Date: 3/7/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 3-11-24

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

2. Project Manager

3. Client

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Client Representative: McCARTHY  
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
 Work Location: MOFFETT FIELD CA.  
 Owner: GOOGLE  
 Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1  
 Inspector: TJ GARDNER  
 Date Worked: Monday, March 11, 2024  
 Address: FORMER NAVAL AIR STATION  
 MOFFETT FIELD CA 94305

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 6:51AM  | 9:23AM  | 12:23PM | 3:51PM  |  |  |  |                      |
| Dry Bulb                  | 53.8 °F | 57.2 °F | 60.1 °F | 63.9 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 50.1 °F | 51.6 °F | 51.4 °F | 54.1 °F |  |  |  |                      |
| Depression                | 3.7 °F  | 5.6 °F  | 8.7 °F  | 9.8 °F  |  |  |  |                      |
| Relative Humidity         | 77.0%   | 67.3%   | 51.7%   | 49.0%   |  |  |  | 85%                  |
| Dew Point                 | 46.8 °F | 46.4 °F | 42.2 °F | 44.4 °F |  |  |  |                      |
| Steel temp                | 52.0 °F | 55.6 °F | 58.9 °F | 64.0 °F |  |  |  | 35-120 F             |
| Difference                | 5.2 °F  | 9.2 °F  | 16.6 °F | 19.6 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

## Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.

Work area illumination value: &gt;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☐ OTHERSatisfactory 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 &amp; time)

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

Profile specified: 2 mils

Actual Profile: 2.9 mils

## PRIMER

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material:

Part A Batch #s: \_\_\_\_\_

Part B Batch #s: \_\_\_\_\_

Part C Batch #s: \_\_\_\_\_

Thinner Batch #s: \_\_\_\_\_

Material Applied:

Part A Batch #s: \_\_\_\_\_

Part B Batch #s: \_\_\_\_\_

Part C Batch #s: \_\_\_\_\_

Thinner Batch #s: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_

Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_

Qty. Applied: \_\_\_\_\_

Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_

Max. Storage Temp. \_\_\_\_\_

Actual Storage Temperature \_\_\_\_\_

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material:

Part A Batch #s: \_\_\_\_\_

Part B Batch #s: \_\_\_\_\_

Part C Batch #s: \_\_\_\_\_

Thinner Batch #s: \_\_\_\_\_

Material Applied:

Part A Batch #s: \_\_\_\_\_

Part B Batch #s: \_\_\_\_\_

Part C Batch #s: \_\_\_\_\_

Thinner Batch #s: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_

Start Application: \_\_\_\_\_

Time Complete: \_\_\_\_\_

Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_

Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_

Qty. Applied: \_\_\_\_\_

Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_

Max. Storage Temp. \_\_\_\_\_

Actual Storage Temperature \_\_\_\_\_

Notes: DAY #4 BLASTING 7D. 16 BLASTERS.

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

QC Inspector Signature: \_\_\_\_\_

Date: 3/11/2024

QC Supervisor Signature: \_\_\_\_\_

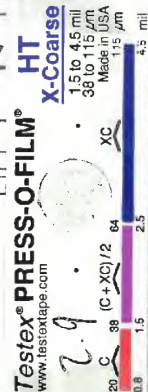
Date: 3-11-24

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

The results relate only to items inspected/tested

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

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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**

2320 CORDELLA ROAD, FAIRFIELD, CA 94534

**QUALITY CONTROL - DAILY REPORT**



Client Representative: McCARTHY  
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
 Work Location: MOFFETT FIELD CA.  
 Owner: GOOGLE  
 Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1  
 Inspector: TJ GARDNER  
 Date Worked: Tuesday, March 12, 2024  
 Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA.94305

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 5:51AM  | 9:51AM  | 12:51PM | 4:51PM  |  |  |  |                      |
| Dry Bulb                  | 52.3 °F | 63.9 °F | 68.6 °F | 61.5 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 46.7 °F | 54.1 °F | 56.0 °F | 52.2 °F |  |  |  |                      |
| Depression                | 5.6 °F  | 9.8 °F  | 12.6 °F | 9.3 °F  |  |  |  |                      |
| Relative Humidity         | 63.9%   | 49.0%   | 39.9%   | 49.6%   |  |  |  | 85%                  |
| Dew Point                 | 40.5 °F | 44.4 °F | 43.2 °F | 42.5 °F |  |  |  |                      |
| Steel temp                | 51.1 °F | 64.0 °F | 67.2 °F | 60.5 °F |  |  |  | 35-120 F             |
| Difference                | 10.6 °F | 19.6 °F | 23.9 °F | 18.0 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1025057

**SURFACE PREPARATION**

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

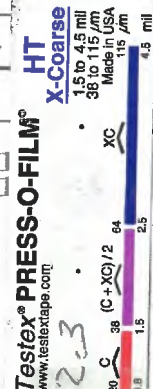
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.3 mils



**PRIMER**

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: REBLAST FAILED WIPE SAMPLES AND SURROUNDING AREAS. LEVELS 18, 20, & 21.  
3 BLASTERS 2 HOURS.

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

QC Inspector Signature: \_\_\_\_\_

Date: 3/12/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 3-14-24

Form No. QC0005

Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

2. Project Manager

3. Client

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Client Representative: McCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Tuesday, March 12, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 5:51AM  | 9:51AM  | 12:51PM | 4:51PM  |  |  |  |                      |
| Dry Bulb                  | 52.3 °F | 63.9 °F | 68.6 °F | 61.5 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 46.7 °F | 54.1 °F | 56.0 °F | 52.2 °F |  |  |  |                      |
| Depression                | 5.6 °F  | 9.8 °F  | 12.6 °F | 9.3 °F  |  |  |  |                      |
| Relative Humidity         | 63.9%   | 49.0%   | 39.9%   | 49.6%   |  |  |  | 85%                  |
| Dew Point                 | 40.5 °F | 44.4 °F | 43.2 °F | 42.5 °F |  |  |  |                      |
| Steel temp                | 51.1 °F | 64.0 °F | 67.2 °F | 60.5 °F |  |  |  | 35-120 F             |
| Difference                | 10.6 °F | 19.6 °F | 23.9 °F | 18.0 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

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

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

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

#### SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

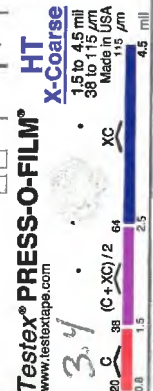
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.4 mils



**PRIMER**

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: DAY #5 BLASTING 7D. 16 BLASTERS. START 6:47AM. STOP 3:58PM

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

QC Inspector Signature: \_\_\_\_\_ Date: 3/12/2024

QC Supervisor Signature: \_\_\_\_\_ Date: 3-14-24

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Wednesday, March 13, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA.94305

Environmental Conditions:

| Time              | 6:51AM  | 10:51AM | 12:51PM | 3:51PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 61.0 °F | 65.1 °F | 68.1 °F | 63.2 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 56.3 °F | 54.3 °F | 55.9 °F | 53.5 °F |  |  |  |  |                      |
| Depression        | 4.7 °F  | 10.8 °F | 12.2 °F | 9.7 °F  |  |  |  |  |                      |
| Relative Humidity | 74.2%   | 45.4%   | 41.1%   | 49.3%   |  |  |  |  | 85%                  |
| Dew Point         | 52.7 °F | 43.5 °F | 43.6 °F | 43.9 °F |  |  |  |  |                      |
| Steel temp        | 59.8 °F | 64.4 °F | 68.0 °F | 62.1 °F |  |  |  |  | 35-120 F             |
| Difference        | 7.0 °F  | 20.9 °F | 24.4 °F | 18.2 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

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

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER  
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐  
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐  
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐  
Pressure Washing: N/A PSI  
Comments: N/A  
Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)  
Compressed Air Tested? YES ☒ NO ☐  
Blasting performed by evaluated/approved blasters: YES ☒ NO ☐  
Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐  
Vial test performed on this batch of abrasive? YES ☒ NO ☐  
Profile specified: 2 mils Actual Profile: 2.3 mils



PRIMER

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

INTERMEDIATE ☐

FINISH ☐

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

Notes: SWEEP BLAST WATER DAMAGE ON SAMPLE AREA LEVEL 20. 1 BLASTER.

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

QC Inspector Signature: \_\_\_\_\_ Date: 3/13/2024

QC Supervisor Signature: \_\_\_\_\_ Date: 3-13-24

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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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.  
2329 CORDELIA ROAD, FAIRFIELD, CA 94534  
QUALITY CONTROL - DAILY REPORT



Client Representative: McCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: TJ GARDNER  
Date Worked: Wednesday, March 13, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

Environmental Conditions:

| Time              | 6:51AM  | 10:51AM | 12:51PM | 3:51PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 61.0 °F | 65.1 °F | 68.1 °F | 63.2 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 56.3 °F | 54.3 °F | 55.9 °F | 53.5 °F |  |  |  |  |                      |
| Depression        | 4.7 °F  | 10.8 °F | 12.2 °F | 9.7 °F  |  |  |  |  |                      |
| Relative Humidity | 74.2%   | 45.4%   | 41.1%   | 49.3%   |  |  |  |  | 85%                  |
| Dew Point         | 52.7 °F | 43.5 °F | 43.6 °F | 43.9 °F |  |  |  |  |                      |
| Steel temp        | 59.8 °F | 64.4 °F | 68.0 °F | 62.1 °F |  |  |  |  | 35-120 F             |
| Difference        | 7.0 °F  | 20.9 °F | 24.4 °F | 18.2 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH, HEATER  
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: \_\_\_\_\_  $\mu\text{g}/\text{cm}^2$   
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐  
Paint mixed per manufacturer's instructions: YES ☐ NO ☐  
Time Elapsed Since Surface Prep: \_\_\_\_\_  
Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_  
Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_  
Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_  
Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_  
Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_  
Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils  
Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_  
Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

INTERMEDIATE ☐

FINISH ☐

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

Notes: DAY #6 BLASTING 7D. 16 BLASTERS. BLATING COMPLETED BY NOON.

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

QC Inspector Signature: \_\_\_\_\_ Date: 3/13/2024

QC Supervisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

The results relate only to items inspected/tested

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

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



Client Representative: McCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA B ABRASIVE BLASTING

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

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 6:51AM  | 10:51AM | 12:51PM | 3:51PM  |  |  |  |                      |
| Dry Bulb                  | 52.7 °F | 64.2 °F | 68.5 °F | 71.9 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 47.4 °F | 58.3 °F | 59.5 °F | 59.7 °F |  |  |  |                      |
| Depression                | 5.3 °F  | 5.9 °F  | 9.0 °F  | 12.2 °F |  |  |  |                      |
| Relative Humidity         | 66.2%   | 69.4%   | 57.2%   | 45.3%   |  |  |  | 85%                  |
| Dew Point                 | 41.7 °F | 54.0 °F | 52.8 °F | 49.6 °F |  |  |  |                      |
| Steel temp                | 50.6 °F | 63.6 °F | 67.9 °F | 70.9 °F |  |  |  | 35-120 F             |
| Difference                | 8.9 °F  | 9.6 °F  | 15.1 °F | 21.4 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.  
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 ☐

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

Pressure Washing: N/A PSI

Comments: N/A

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

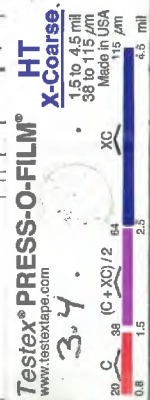
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.4 mils



**PRIMER**

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Material Applied: \_\_\_\_\_

Specified Material: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE**

**FINISH**

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Material Applied: \_\_\_\_\_

Specified Material: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: 16 BLASTERS.

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

QC Inspector Signature: \_\_\_\_\_ Date: 4/2/2024  
QC Supervisor Signature: \_\_\_\_\_ Date: 4-4-24  
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested  
Distribution: 1. Jobsite file 2. Project Manager 3. Client  
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Client Representative: McCARTHY  
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
 Work Location: MOFFETT FIELD CA.  
 Owner: GOOGLE  
 Task: ZONE 7 AREA B ABRASIVE BLASTING

Project: HANGAR 1  
 Inspector: CHRISTOPHER RAMOS  
 Date Worked: Wednesday, April 3, 2024  
 Address: FORMER NAVAL AIR STATION  
 MOFFETT FIELD CA. 94305

**Environmental Conditions:**

| Time              | 5:51AM  | 7:51AM  | 1:51PM  | 3:51PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 57.1 °F | 60.1 °F | 63.0 °F | 64.2 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 52.5 °F | 55.0 °F | 55.8 °F | 56.1 °F |  |  |  |  |                      |
| Depression        | 4.6 °F  | 5.1 °F  | 7.2 °F  | 8.1 °F  |  |  |  |  |                      |
| Relative Humidity | 72.4%   | 60.1%   | 62.2%   | 58.7%   |  |  |  |  | 85%                  |
| Dew Point         | 48.4 °F | 50.9 °F | 49.9 °F | 49.5 °F |  |  |  |  |                      |
| Steel temp        | 55.7 °F | 58.8 °F | 62.4 °F | 63.1 °F |  |  |  |  | 35-120 F             |
| Difference        | 7.4 °F  | 7.9 °F  | 12.5 °F | 13.7 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

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

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

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

**SURFACE PREPARATION**

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER \_\_\_\_\_

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.7 mils

**PRIMER**

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐**FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: 16 BLASTERS.

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

QC Inspector Signature: \_\_\_\_\_ Date: 4/3/2024

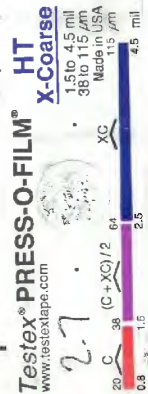
QC Supervisor Signature: \_\_\_\_\_ Date: 4-11-24

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA B ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: CHRISTOPHER RAMOS  
Date Worked: Friday, April 5, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

| Environmental Conditions: |         |         |          |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|----------|---------|--|--|--|----------------------|
| Time                      | 6:51AM  | 9:51AM  | 11:51 AM | 2:51PM  |  |  |  |                      |
| Dry Bulb                  | 57.9 °F | 59.9 °F | 61.0 °F  | 65.3 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 53.5 °F | 54.4 °F | 55.0 °F  | 57.4 °F |  |  |  |                      |
| Depression                | 4.4 °F  | 5.5 °F  | 6.0 °F   | 7.9 °F  |  |  |  |                      |
| Relative Humidity         | 74.8%   | 69.7%   | 67.2%    | 60.4%   |  |  |  | 85%                  |
| Dew Point                 | 49.9 °F | 50.0 °F | 50.1 °F  | 51.2 °F |  |  |  |                      |
| Steel temp                | 56.3 °F | 58.4 °F | 59.8 °F  | 65.0 °F |  |  |  | 35-120 F             |
| Difference                | 6.4 °F  | 8.5 °F  | 9.7 °F   | 13.8 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT      | SAT     |  |  |  |                      |

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

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

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

**SURFACE PREPARATION**

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

Compressed Air Tested? YES ☒ NO ☐

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3 mils

**PRIMER**

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

**INTERMEDIATE** ☐

**FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

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: 14 BLASTER REBLAST WATER DAMAGE.

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

QC Inspector Signature: \_\_\_\_\_

Date: 4/5/2024

QC Supervisor Signature: \_\_\_\_\_

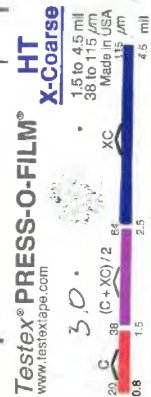
Date: 4-11-24

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

The results relate only to items inspected/tested

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

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Client Representative: McCARTHY  
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
 Work Location: MOFFETT FIELD CA.  
 Owner: GOOGLE  
 Task: ZONE 7 AREA A ABRASIVE BLASTING

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

| Environmental Conditions: |         |         |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|---------|---------|---------|--|--|--|----------------------|
| Time                      | 5:51AM  | 11:51AM | 1:51PM  | 2:51PM  |  |  |  |                      |
| Dry Bulb                  | 53.9 °F | 68.4 °F | 70.6 °F | 71.1 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 47.9 °F | 62.0 °F | 60.3 °F | 60.6 °F |  |  |  |                      |
| Depression                | 6.0 °F  | 6.4 °F  | 10.3 °F | 11.0 °F |  |  |  |                      |
| Relative Humidity         | 63.0%   | 69.4%   | 53.3%   | 50.7%   |  |  |  | 85%                  |
| Dew Point                 | 41.6 °F | 58.0 °F | 52.7 °F | 52.3 °F |  |  |  |                      |
| Steel temp                | 51.8 °F | 67.3 °F | 69.5 °F | 71.1 °F |  |  |  | 35-120 F             |
| Difference                | 10.2 °F | 9.4 °F  | 16.7 °F | 18.8 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT     | SAT     | SAT     |  |  |  |                      |

Environmental Controls? CONTAINMENT, DUST COLLECTORS AND D.H.

Work area illumination value: &gt;50 FC

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

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

## SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.7 mils

## PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

INTERMEDIATE ☐FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: 16 BLASTER

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

QC Inspector Signature: \_\_\_\_\_

Date: 4/9/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 4/11/24

Form No. CC0005 Revision: 2

Rev. Date 23 Sep 22

The results relate only to items inspected/tested

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2. Project Manager

3. Client

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



Client Representative: McCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA A ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: CHRISTOPHER RAMOS  
Date Worked: Wednesday, April 10, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

Environmental Conditions:

| Time              | 6:21AM  | 10:21AM | 1:21PM  | 3:21PM  |  |  |  |  | Specified Conditions |
|-------------------|---------|---------|---------|---------|--|--|--|--|----------------------|
| Dry Bulb          | 59.1 °F | 68.6 °F | 72.0 °F | 75.3 °F |  |  |  |  | 35-120 F             |
| Wet Bulb          | 52.4 °F | 59.2 °F | 59.7 °F | 61.4 °F |  |  |  |  |                      |
| Depression        | 6.7 °F  | 9.4 °F  | 12.3 °F | 13.9 °F |  |  |  |  |                      |
| Relative Humidity | 62.1%   | 55.2%   | 45.2%   | 41.3%   |  |  |  |  | 85%                  |
| Dew Point         | 46.1 °F | 51.7 °F | 49.6 °F | 50.2 °F |  |  |  |  |                      |
| Steel temp        | 57.3 °F | 67.8 °F | 70.8 °F | 74.5 °F |  |  |  |  | 35-120 F             |
| Difference        | 11.1 °F | 15.9 °F | 21.2 °F | 24.3 °F |  |  |  |  | +5 F                 |
| Conditions        | SAT     | SAT     | SAT     | SAT     |  |  |  |  |                      |

Environmental Controls? CONTAINMENT, DUST COLLECTORS AND D.H.

Work area illumination value: >50 FC

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

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

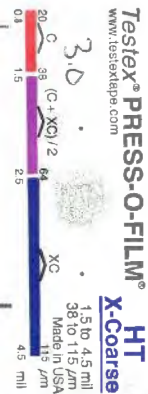
Size GX2 (attach pictures of blotter - note date & time)

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 mils



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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: \_\_\_\_\_

Specified Material: \_\_\_\_\_ Material Applied: \_\_\_\_\_

Part A Batch #'s: \_\_\_\_\_ Part A Batch #'s: \_\_\_\_\_

Part B Batch #'s: \_\_\_\_\_ Part B Batch #'s: \_\_\_\_\_

Part C Batch #'s: \_\_\_\_\_ Part C Batch #'s: \_\_\_\_\_

Thinner Batch #'s: \_\_\_\_\_ Thinner Batch #'s: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Mix Time: \_\_\_\_\_ Start Application: \_\_\_\_\_ Time Complete: \_\_\_\_\_ Pot Life: \_\_\_\_\_

Material Temp: \_\_\_\_\_ Typical Wet Film Readings: \_\_\_\_\_ mils

Qty. Mixed: \_\_\_\_\_ Qty. Applied: \_\_\_\_\_ Approximate SF: \_\_\_\_\_

Min. Storage Temp. \_\_\_\_\_ Max. Storage Temp. \_\_\_\_\_ Actual Storage Temperature \_\_\_\_\_

Notes: 16 BLASTERS.

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

QC Inspector Signature: \_\_\_\_\_

Date: 4/10/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 4-25-24

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA A ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: CHRISTOPHER RAMOS  
Date Worked: Monday, April 15, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

| Environmental Conditions: |         |          |         |         |  |  |  | Specified Conditions |
|---------------------------|---------|----------|---------|---------|--|--|--|----------------------|
| Time                      | 6:21 AM | 10:21 AM | 1:21 PM | 3:21 PM |  |  |  |                      |
| Dry Bulb                  | 55.8 °F | 55.5 °F  | 60.4 °F | 62.6 °F |  |  |  | 35-120 F             |
| Wet Bulb                  | 50.3 °F | 50.8 °F  | 54.1 °F | 54.9 °F |  |  |  |                      |
| Depression                | 5.5 °F  | 4.7 °F   | 6.3 °F  | 7.7 °F  |  |  |  |                      |
| Relative Humidity         | 67.1%   | 71.3%    | 65.2%   | 59.6%   |  |  |  | 85%                  |
| Dew Point                 | 45.1 °F | 46.4 °F  | 48.7 °F | 48.3 °F |  |  |  |                      |
| Steel temp                | 54.0 °F | 53.8 °F  | 58.9 °F | 60.8 °F |  |  |  | 35-120 F             |
| Difference                | 8.9 °F  | 7.4 °F   | 10.3 °F | 12.5 °F |  |  |  | +5 F                 |
| Conditions                | SAT     | SAT      | SAT     | SAT     |  |  |  |                      |

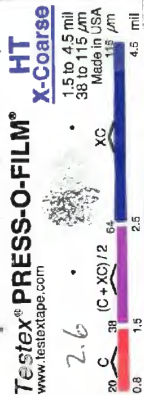
Environmental Controls? CONTAINMENT, D.H. AND DUST COLLECTORS.  
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

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



PRIMER

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐  
Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>  
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: 15 BLASTERS

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

QC Inspector Signature: \_\_\_\_\_

Date: 4/15/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 4-25-24

Form No. 00005

Revision: 2

Rev. Date: 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Job site file

2. Project Manager

3. Client

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



Client Representative: McCARTHY  
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLOBOBOS  
Work Location: MOFFETT FIELD CA.  
Owner: GOOGLE  
Task: ZONE 7 AREA A ABRASIVE BLASTING

Project: HANGAR 1  
Inspector: CHRISTOPHER RAMOS  
Date Worked: Tuesday, April 16, 2024  
Address: FORMER NAVAL AIR STATION  
MOFFETT FIELD CA. 94305

Environmental Conditions:

| Time              | 6:21 AM | 10:21 AM | 1:21 PM | 4:21 PM | Specified Conditions |
|-------------------|---------|----------|---------|---------|----------------------|
| Dry Bulb          | 57.4 °F | 69.4 °F  | 70.2 °F | 71.9 °F | 35-120 F             |
| Wet Bulb          | 51.3 °F | 59.4 °F  | 59.4 °F | 61.1 °F |                      |
| Depression        | 6.1 °F  | 10.0 °F  | 10.8 °F | 10.8 °F |                      |
| Relative Humidity | 64.7%   | 53.4%    | 50.6%   | 51.6%   | 85%                  |
| Dew Point         | 45.6 °F | 51.8 °F  | 51.0 °F | 53.1 °F |                      |
| Steel temp        | 55.1 °F | 68.8 °F  | 69.2 °F | 70.8 °F | 35-120 F             |
| Difference        | 9.4 °F  | 17.0 °F  | 18.2 °F | 17.7 °F | +5 F                 |
| Conditions        | SAT     | SAT      | SAT     | SAT     |                      |

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

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

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

SURFACE PREPARATION

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

PRIMER

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐  
Soluble Salt Test Performed: YES ☐ NO ☐ Results: \_\_\_\_\_ µg/cm<sup>2</sup>  
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: 8 BLASTERS

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

QC Inspector Signature: \_\_\_\_\_

Date: 4/16/2024

QC Supervisor Signature: \_\_\_\_\_

Date: 4-25-24

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

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## Attachment 2

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Tabulated PCB and Lead Confirmation Wipe Sampling Analytical Results





## Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 7

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 <sup>2</sup> | Concentration - µg/100 cm <sup>2</sup> |              |              |              |              |              |              |              |              |
| Cleanup Goal (Low Occupancy Area)                   |             |           | <250               | <100                                   | <100         | <100         | <100         | <100         | <100         | <100         | <100         | <100         |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-LA         | 03/08/2024  | C/D       | 170                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-INT-3.5 TO 4.5-240308-WF [d]              | 03/08/2024  | C/D       | 910                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-INT-3.5 TO 4.5-240313-WF                  | 03/13/2024  | C/D       | 1.3                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-PS-4.5-240308-G                           | 03/08/2024  | C/D       | 240                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-LA [d]     | 03/08/2024  | C/D       | 440                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240313-LA         | 03/13/2024  | C/D       | 4.8                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-INT-4.5 TO 5.5-240308-WF                  | 03/08/2024  | C/D       | 69                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-DG-5 TO 5.5-240308-FB                     | 03/08/2024  | C/D       | 150                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-EXT-1 TO 2-240308-WF                      | 03/08/2024  | C/D       | 240                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C14W-EXT-1 TO 2-240308-DUP-WF [b]              | 03/08/2024  | C/D       | 220                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-LA         | 03/08/2024  | C/D       | 99                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-LA         | 03/08/2024  | C/D       | 160                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-DUP-LA     | 03/08/2024  | C/D       | --                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C14W-DG-2 TO 2.5-240308-FB                     | 03/08/2024  | C/D       | 53                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C14W-PS-2.5-240308-G                           | 03/08/2024  | C/D       | 230                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C14W-DG-2.5 TO 3-240308-FB                     | 03/08/2024  | C/D       | 64                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14W-INT-2.5 TO 3.5-240308-WF                  | 03/08/2024  | C/D       | 220                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14W-DG-4 TO 4.5-240308-FB                     | 03/08/2024  | C/D       | 150                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-LA [d]     | 03/08/2024  | C/D       | 640                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-LA         | 03/13/2024  | C/D       | 11                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-LA         | 03/08/2024  | C/D       | 190                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| ARCH-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-LA         | 03/15/2024  | C/D       | 33                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-PS-5.5-240315-G                           | 03/15/2024  | C/D       | 77                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-DG-5.5 TO 6 240315-FB                     | 03/15/2024  | C/D       | 130                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-DG-5.5 TO 6 240315-DUP-FB [b]             | 03/15/2024  | C/D       | 100                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-LA         | 03/15/2024  | C/D       | 86                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-EXT-6 TO 7-240315-WF                      | 03/15/2024  | C/D       | 11                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-DG-6 TO 6.5-240315-FB                     | 03/15/2024  | C/D       | 43                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-LA         | 03/15/2024  | C/D       | 61                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-DUP-LA [b] | 03/15/2024  | C/D       | 42                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-PS-6.5-240315-G                           | 03/15/2024  | C/D       | 63                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-DG-7 TO 7.5-240315-FB                     | 03/15/2024  | C/D       | 11                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-PS-7"-240315-G                            | 03/15/2024  | C/D       | 40                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-INT-7 TO 7.5-240315-WF                    | 03/15/2024  | C/D       | 45                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-LA           | 03/15/2024  | C/D       | 85                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14W-EXT-8 TO 9.5-240315-WF                    | 03/15/2024  | C/D       | 58                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-INT-3.5 TO 4.5-240412-WF                  | 04/12/2024  | A/B       | 94                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-LA         | 04/12/2024  | A/B       | 69                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-INT-4.5 TO 5.5-240412-WF                  | 04/12/2024  | A/B       | 130                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-EXT-1 TO 2-240412-WF [b]                  | 04/12/2024  | A/B       | 36 J               | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14E-EXT-1 TO 2-240412-DUP-WF                  | 04/12/2024  | A/B       | 120 J              | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-LA         | 04/12/2024  | A/B       | 280                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-LA         | 04/12/2024  | A/B       | 33                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-DUP-LA     | 04/12/2024  | A/B       | --                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14E-DG-2 TO 2.5-240412-FB                     | 04/12/2024  | A/B       | 8.4                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14E-DG-2.5 TO 3-240412-FB                     | 04/12/2024  | A/B       | 24                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14E-EXT-3 TO 4-240412-WF                      | 04/12/2024  | A/B       | 14                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14E-PS-3.5-240412-G                           | 04/12/2024  | A/B       | 76                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-LA         | 04/12/2024  | A/B       | 32                 | <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 7

Hangar 1 NTCRA  
Former Naval Air Station Moffett Field, California

|                                             |             |           | Lead Result        | PCBs                                   |              |              |              |              |              |              |              |              |
|---------------------------------------------|-------------|-----------|--------------------|----------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                             |             |           |                    | Aroclor-1016                           | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Aroclor-1262 | Aroclor-1268 |
| Location ID [a]                             | Sample Date | Enclosure | µg/ft <sup>2</sup> | Concentration - µg/100 cm <sup>2</sup> |              |              |              |              |              |              |              |              |
| Cleanup Goal (Low Occupancy Area)           |             |           | <250               | <100                                   | <100         | <100         | <100         | <100         | <100         | <100         | <100         | <100         |
| ARCH-C14E-DG-4 TO 4.5-240412-FB             | 04/12/2024  | A/B       | 20                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-LA | 04/12/2024  | A/B       | 27                 | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| ARCH-C14E-DG-5 TO 5.5-240422-FB             | 04/22/2024  | A/B       | 20                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-LA | 04/22/2024  | A/B       | 20                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-PS-5.5-240422-G                   | 04/22/2024  | A/B       | 330                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-EXT-5 TO 6-240422-WF              | 04/22/2024  | A/B       | 26                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-DG-5.5 TO 6-240422-FB             | 04/22/2024  | A/B       | 100                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-DG-5.5 TO 6-240422-DUP-FB [b]     | 04/22/2024  | A/B       | 51                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-LA | 04/22/2024  | A/B       | 180                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-DG-6 TO 6.5-240422-FB [b]         | 04/22/2024  | A/B       | 20                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-DG-6 TO 6.5-240422-DUP-FB         | 04/22/2024  | A/B       | 23                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-PS-6.5-240422-G                   | 04/22/2024  | A/B       | 760                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-DG-6.5 TO 7-240422-FB             | 04/22/2024  | A/B       | 640                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-PS-7"-240422-G                    | 04/22/2024  | A/B       | 150                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-INT-7 TO 7.5-240422-WF            | 04/22/2024  | A/B       | 96                 | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-LA   | 04/22/2024  | A/B       | 230                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C14E-EXT-8 TO 9-240422-WF              | 04/22/2024  | A/B       | 180                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-LA   | 04/22/2024  | A/B       | 290                | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| 95-Percent UCL (Low Occupancy) [c]          |             |           | 154                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| 240308-FIELDBLANK1-LO                       | 03/08/2024  | C/D       | 0.99               | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     | <0.50 UJ     |
| 240315-FIELDBLANK2-LO                       | 03/15/2024  | C/D       | <0.50              | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| 240412-FIELDBLANK1-LO                       | 04/12/2024  | A/B       | 3.6                | <0.50                                  | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        | <0.50        |
| 240422-FIELDBLANK2-LO                       | 04/22/2024  | A/B       | 0.81               | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| 240308-MEDBLANK1-LO                         | 03/08/2024  | C/D       | <0.50              | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| 240315-MEDBLANK2-LO                         | 03/15/2024  | C/D       | <0.50              | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| 240412-MEDBLANK1-LO                         | 04/12/2024  | A/B       | <0.50              | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |
| 240422-MEDBLANK2-LO                         | 04/22/2024  | A/B       | <0.50              | --                                     | --           | --           | --           | --           | --           | --           | --           | --           |

### Acronyms and Abbreviations

J: Indicates an estimated value

NTCRA: Non-Time Critical Removal Action

PCBs: Polychlorinated biphenyls

µg/100 cm<sup>2</sup>: micrograms per 100 square centimeters

µg/ft<sup>2</sup>: micrograms per square foot

UCL: Upper Confidence Limit

UJ: Indicates the compound or analyte was analyzed but not detected. The sample detection limit is an estimated value.

U.S. EPA: United States Environmental Protection Agency

--: Not collected/not applicable

### Notes:

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

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

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

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

[d] The indicated location was re-abated and re-sampled. The original confirmation sampling result at locations that were re-abated and re-sampled was not included in the calculation of the 95-percent UCL.

**Bolded** values indicate constituents detected above laboratory reporting limits.

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

# Attachment 3

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Confirmation Sampling Analytical Reports





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

enthalpy.com

Lab Job Number : 504066  
Report Level : II  
Report Date : 03/12/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 504066  
 Project No: 20-10491  
 Location: Hangar 1 NTCRA  
 Date Received: 03/08/24

| Sample ID                                     | Lab ID     | Collected      | Matrix |
|-----------------------------------------------|------------|----------------|--------|
| ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-L-LA | 504066-001 | 03/08/24 09:40 | Wipe   |
| ARCH-C14W-INT-3.5 TO 4.5-240308-L-WF          | 504066-002 | 03/08/24 10:25 | Wipe   |
| ARCH-C14W-PS-4.5-240308-L-G                   | 504066-003 | 03/08/24 09:50 | Wipe   |
| ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA | 504066-004 | 03/08/24 10:00 | Wipe   |
| ARCH-C14W-INT-4.5 TO 5.5-240308-L-WF          | 504066-005 | 03/08/24 10:10 | Wipe   |
| ARCH-C14W-DG-5 TO 5.5-240308-L-FB             | 504066-006 | 03/08/24 10:15 | Wipe   |
| 240308-L-FIELDBLANK1-LO                       | 504066-007 | 03/08/24 07:45 | Wipe   |
| 240308-L-MEDBLANK1-LO                         | 504066-008 | 03/08/24 11:30 | Wipe   |

## Case Narrative

---

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

Lab Job 504066  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/08/24

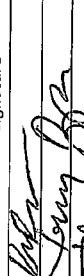
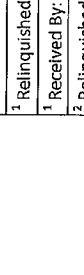
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This data package contains sample and QC results for eight wipe samples, requested for the above referenced project on 03/11/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.

504066

|                                                                                                                           |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|----------------------|---------------------------------------------------------------------|--|----------------|--|-------------|--|
|  <b>ENTHALPY</b><br>ANALYTICAL         |                                               | <b>Enthalpy Analytical - Orange</b><br>931 W. Barkley Avenue, Orange, CA 92658<br>Phone 714-771-6900                                                                      |                                  | <b>Chain of Custody Record</b><br>COC ID: |                      | <b>Turn Around Time (rush by advanced notice only)</b><br>Standard: |  | 5 Day:         |  | 3 Day:      |  |
| Page:                                                                                                                     |                                               | 1 of 1                                                                                                                                                                    |                                  | 2 Day:                                    |                      | 1 Day:                                                              |  | X (Pl)         |  | Custom TAT: |  |
| W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other |                                               | Matrix: A = Air S = Soil/Solid<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other |                                  | Report: Level II date validation          |                      | Sample Receipt Temp:                                                |  | (lab use only) |  |             |  |
| <b>CUSTOMER INFORMATION</b>                                                                                               |                                               | <b>PROJECT INFORMATION</b>                                                                                                                                                |                                  | <b>Analysis Request</b>                   |                      | <b>Test Instructions / Comments</b>                                 |  |                |  |             |  |
| 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. #:                                                                                                                                                                   |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| Phone:                                                                                                                    | Oakland, California 94612                     | Address:                                                                                                                                                                  | 158 Cody Road, Mountain View, CA |                                           |                      |                                                                     |  |                |  |             |  |
| Fax:                                                                                                                      | (651) 890-9556                                | Global ID:                                                                                                                                                                |                                  |                                           |                      |                                                                     |  |                |  |             |  |
|                                                                                                                           |                                               | Sampled By:                                                                                                                                                               | D. Walsh                         |                                           |                      |                                                                     |  |                |  |             |  |
| Sample ID                                                                                                                 |                                               | Sampling Date                                                                                                                                                             | Sampling Time                    | Matrix                                    | Container No. / Size | Pres.                                                               |  |                |  |             |  |
| 1                                                                                                                         | ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-L-LA | 3/8/2024                                                                                                                                                                  | 0940                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 2                                                                                                                         | ARCH-C14W-INT-3.5 TO 4.5-240308-L-WP          | 3/8/2024                                                                                                                                                                  | 1025                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 3                                                                                                                         | ARCH-C14W-PS-4.5-240308-L-G                   | 3/8/2024                                                                                                                                                                  | 0950                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 4                                                                                                                         | ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA | 3/8/2024                                                                                                                                                                  | 1000                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 5                                                                                                                         | ARCH-C14W-INT-4.5 TO 5.5-240308-L-WP          | 3/8/2024                                                                                                                                                                  | 1010                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 6                                                                                                                         | ARCH-C14W-DG-5 TO 5.5-240308-L-FB             | 3/8/2024                                                                                                                                                                  | 1015                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 7                                                                                                                         | 240308-L-FIELD/BLANK1-LO                      | 3/8/2024                                                                                                                                                                  | 0745                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 8                                                                                                                         | 240308-L-MED/BLANK1-LO                        | 3/8/2024                                                                                                                                                                  | 1130                             | WP                                        | 1                    | -                                                                   |  |                |  |             |  |
| 9                                                                                                                         |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| 10                                                                                                                        |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| 11                                                                                                                        |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| 12                                                                                                                        |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| 13                                                                                                                        |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| 14                                                                                                                        |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| 15                                                                                                                        |                                               |                                                                                                                                                                           |                                  |                                           |                      |                                                                     |  |                |  |             |  |
| 1 Relinquished By:                                                                                                        |                                               | Signature                                                                                                                                                                 |                                  | Print Name                                |                      | Company / Title                                                     |  | Date / Time    |  |             |  |
| 1 Received By:                                                                                                            |                                               |                                                                                      |                                  | Donald Walsh                              |                      | Rincon / Env. Scientist                                             |  | 3/8/24 1430    |  |             |  |
| 2 Relinquished By:                                                                                                        |                                               |                                                                                      |                                  | Tracy Rojas                               |                      | Enthalpy                                                            |  | 3/8/24 1430    |  |             |  |
| 2 Received By:                                                                                                            |                                               |                                                                                      |                                  | Tracy Rojas                               |                      | Enthalpy                                                            |  | 3/8/24 1845    |  |             |  |
| 3 Relinquished By:                                                                                                        |                                               |                                                                                      |                                  | Lindsay Parker                            |                      | Rincon                                                              |  | 3/8/24 1845    |  |             |  |
| 3 Received By:                                                                                                            |                                               |                                                                                      |                                  | Lindsay Parker                            |                      | Rincon                                                              |  | 3/8/24 1911    |  |             |  |



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

| SAMPLE RECEIPT CHECKLIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |    |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----|
| <b>Section 1: General Info</b><br>Date Received: <u>3-8-24</u> Login # <u>504066</u> Client: <u>Rincon</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |    |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |     |
| <b>Section 2: Shipping / Custody</b><br>Shipping Info: _____<br>Are custody seals present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, where? <input type="checkbox"/> on cooler, <input type="checkbox"/> on samples, <input type="checkbox"/> on package<br>Custody seals intact on arrival? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date: _____ # of seals _____ <input type="checkbox"/> Signature <input type="checkbox"/> Initials                                                                                                                                                                                                                                                                                                                                                           |     |    |     |
| <b>Section 3: Condition / Packaging</b> <span style="float: right;"><b>Important: Notify PM if temperature exceeds 6°C or arrive frozen</b></span><br>Date Opened <u>3-8-24</u> By (print) <u>JH</u> (sign) <u>JH</u><br><input checked="" type="checkbox"/> Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)<br>If no cooler: Sample Temp (°C): _____<br>How many coolers? _____ Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____<br>Temperature measured using <input type="checkbox"/> Thermometer ID: _____, or IR Gun # <input type="checkbox"/> B <input type="checkbox"/> C<br>Type of ice used: <input checked="" type="checkbox"/> Wet, <input type="checkbox"/> Blue/Gel, <input type="checkbox"/> None Temperature blank(s) included? <input type="checkbox"/> Yes, <input type="checkbox"/> No |     |    |     |
| <b>Section 4: Containers / Labels / Samples</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |    |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 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: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     | —  |     |
| <b>Section 5: Preservatives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |    |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 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:<br><input type="checkbox"/> H2SO4 lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> HCL lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> HNO3 lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> CrVI Buffer lot# _____ added to samples _____ Date/Time _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |     |
| <b>Section 6: Explanations / Comments</b><br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    |     |
| Date Logged <u>3-8-24</u> By (print) <u>MAY</u> (sign) _____<br>Date Labeled <u>3-8-24</u> By (print) <u>JH</u> (sign) <u>JH</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |     |



### SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 3/9/24 Sampler's Name Present: ☒ Yes ☐ No

**Section 2**

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

Sample Temp (°C), One from each cooler: #1: 2.7 #2: - #3: #4: \_\_\_\_\_

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

Shipping Information: \_\_\_\_\_

**Section 3**

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 1.7 #2: #3: #4: \_\_\_\_\_

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

**Section 5** Explanations/Comments

504066

**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: MAR 09 2024

SOUTHWEST AIRLINES

Printed on:  
08 MAR 19:14

526 OAK 1014 9963

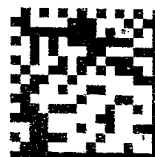


**ONT**

|        |    |                     |
|--------|----|---------------------|
| PC#    | DG | LOT WT              |
| 4 OF 5 | G  | 160 LB<br>(72.5 KG) |

OAK WN 3020 08 MAR 20:55

SIN FLT DATE ETD LOT 01



PC ID: 0004  
PC WT: 32LB

526 10149963 0004

**S**

1.4 / 2.7

## Lead

|                                                                |  |                                 |                            |
|----------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504066                                           |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-L-LA |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-001                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504066-001 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>170</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-INT-3.5 TO 4.5-240308-L-WF          |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-002                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 5.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504066-002 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>910</b>                      | 0.94 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-PS-4.5-240308-L-G                   |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-003                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504066-003 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>240</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-004                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504066-004 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>440</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-INT-4.5 TO 5.5-240308-L-WF          |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-005                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504066-005 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>69</b>                       | 0.50 ug/ft2                |



## Lead

|                                                    |                                 |                            |
|----------------------------------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504066                               | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14W-DG-5 TO 5.5-240308-L-FB | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-006                          | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                             | <b>Analyzed:</b> 03/11/24       |                            |

| 504066-006 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 150    | 0.50 | ug/ft2 |

|                                          |                           |                            |
|------------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> 240308-L-FIELDBLANK1-LO | <b>Batch#:</b> 335079     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                      | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-007                | <b>Received:</b> 03/08/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                      | <b>Prepared:</b> 03/11/24 |                            |
| <b>Diln Fac:</b> 1.000                   | <b>Analyzed:</b> 03/11/24 |                            |

| 504066-007 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 0.99   | 0.50 | ug/ft2 |

|                                        |                           |                            |
|----------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> 240308-L-MEDBLANK1-LO | <b>Batch#:</b> 335079     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                    | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504066-008              | <b>Received:</b> 03/08/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                    | <b>Prepared:</b> 03/11/24 |                            |
| <b>Diln Fac:</b> 1.000                 | <b>Analyzed:</b> 03/11/24 |                            |

| 504066-008 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | ND     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 335079     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1135479 | <b>Prepared:</b> 03/11/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 03/11/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1135479 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend  
**ND:** Not Detected  
**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 504066

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1135480

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335079

**Prepared:** 03/11/24

**Analyzed:** 03/11/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1135480 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 51.82  | 104  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1135481

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335079

**Prepared:** 03/11/24

**Analyzed:** 03/11/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1135481 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 51.36  | 103  | 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 : 504073  
Report Level : IV  
Report Date : 03/18/2024

## PCBs

### **Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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<br>Rincon<br>Consultants<br>449 15th Street<br>#303<br>Oakland, CA<br>94612 | Lab Job #: 504073<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 03/08/24 |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|

| Sample ID                                         | Lab ID     | Collected      | Matrix |
|---------------------------------------------------|------------|----------------|--------|
| ARCH-C14W-EXT-1 TO 2-240308-P-WF                  | 504073-001 | 03/08/24 07:40 | Wipe   |
| ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA     | 504073-004 | 03/08/24 08:00 | Wipe   |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA     | 504073-006 | 03/08/24 08:15 | Wipe   |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA | 504073-007 | 03/08/24 08:15 | Wipe   |
| ARCH-C14W-DG-2 TO 2.5-240308-P-FB                 | 504073-009 | 03/08/24 08:25 | Wipe   |
| ARCH-C14W-PS-2.5-240308-P-G                       | 504073-011 | 03/08/24 08:40 | Wipe   |
| ARCH-C14W-DG-2.5 TO 3-240308-P-FB                 | 504073-013 | 03/08/24 08:45 | Wipe   |
| ARCH-C14W-INT-2.5 TO 3.5-240308-P-WF              | 504073-015 | 03/08/24 08:55 | Wipe   |
| ARCH-C14W-DG-4 TO 4.5-240308-P-FB                 | 504073-017 | 03/08/24 09:20 | Wipe   |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA     | 504073-019 | 03/08/24 09:10 | Wipe   |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA     | 504073-021 | 03/08/24 09:30 | Wipe   |
| 240308-P-FIELDBLANK1-LO                           | 504073-023 | 03/08/24 07:45 | Wipe   |



## Case Narrative

### PCBS (EPA 8082)

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

Lab Job 504073  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/08/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 03/11/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

#### **PCBs (EPA 8082):**

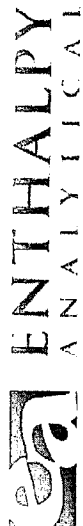
- High surrogate recovery was observed for TCMX (PCB) in 240308-P-FIELDBLANK1-LO (lab # 504073-023); no target analytes were detected in the sample.
- High surrogate recovery was observed for decachlorobiphenyl (PCB) in 240308-P-FIELDBLANK1-LO (lab # 504073-023); no target analytes were detected in the sample.
- No other analytical problems were encountered.

## **Chain of Custody**

504073

| 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 92668<br>Phone 714-771-6900                                                                                                                                                            |                                               | Page: 1 of 2                                                                                                                                                                                                      |          | 3 Day: custom TAT:                                                                                                                                                                                                                                                                                                                        |      |
| <p>Matrix: A = Air S = Soil/Solid<br/>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br/>SW = Swab T = Tissue WP = Wipe O = Other</p>                                                     |                                               | <p>Preservatives:<br/>1 = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2 = HCl 3 = HNO<sub>3</sub><br/>4 = H<sub>2</sub>SO<sub>4</sub> 5 = NaOH 6 = Other</p>                                                         |          | <p>Sample Receipt Temp:</p>                                                                                                                                                                                                                                                                                                               |      |
| <p>Company: Rincon Consultants, Inc.<br/>Report To: Lindsay Parker<br/>Email: lparker@rinconconsultants.com<br/>Address: 449 15th Street, Suite 303<br/>Oakland, California 94612<br/>Phone: (510) 890-9556<br/>Fax:</p> |                                               | <p>PROJECT INFORMATION<br/>Quote #: RIN031721<br/>Proj. Name: Hangar 1 - NCTRA WP<br/>Proj. #: 20-10491<br/>P.O. #: <br/>Address: 158 Cody Road, Mountain View, CA<br/>Global ID:<br/>Sampled By: D. W. W. W.</p> |          | <p>Analysis Request<br/>PCBs - EPA Method 3546/8082<br/>Lead by EPA Method 3050M/6010B<br/>HOLD</p>                                                                                                                                                                                                                                       |      |
| <p>CUSTOMER INFORMATION<br/>Sample ID</p>                                                                                                                                                                                |                                               | <p>Test Instructions / Comments</p>                                                                                                                                                                               |          | <p>Confirmation Wipe Samples - Level IV<br/>Report/Stage 3 Validation<br/>Report PCB concentrations on a µg/100cm<sup>2</sup> basis<br/>Report lead concentrations on a µg/lit basis<br/>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br/>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy)</p> |      |
| 1                                                                                                                                                                                                                        | ARCH-C14W-EXT-1 TO 2-240308-P-WF              | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0740 |
| 2                                                                                                                                                                                                                        | ARCH-C14W-EXT-1 TO 2-240308-L-WF              | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0740 |
| 3                                                                                                                                                                                                                        | ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF          | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0740 |
| 4                                                                                                                                                                                                                        | ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0800 |
| 5                                                                                                                                                                                                                        | ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0800 |
| 6                                                                                                                                                                                                                        | ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0815 |
| 7                                                                                                                                                                                                                        | ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0815 |
| 8                                                                                                                                                                                                                        | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0825 |
| 9                                                                                                                                                                                                                        | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0825 |
| 10                                                                                                                                                                                                                       | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0825 |
| 11                                                                                                                                                                                                                       | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0840 |
| 12                                                                                                                                                                                                                       | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0840 |
| 13                                                                                                                                                                                                                       | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0845 |
| 14                                                                                                                                                                                                                       | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0845 |
| 15                                                                                                                                                                                                                       | ARCH-C14W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | Sampling Date                                                                                                                                                                                                     | 3/8/2024 | Sampling Time                                                                                                                                                                                                                                                                                                                             | 0855 |
| <p>Signature</p>                                                                                                                                                                                                         |                                               | <p>Print Name</p>                                                                                                                                                                                                 |          | <p>Company / Title</p>                                                                                                                                                                                                                                                                                                                    |      |
| 1 Relinquished By: [Signature]                                                                                                                                                                                           |                                               | Daniel W. W. W.                                                                                                                                                                                                   |          | Enthalpy / Enthalpy                                                                                                                                                                                                                                                                                                                       |      |
| 1 Received By: [Signature]                                                                                                                                                                                               |                                               | Tanya Rojas                                                                                                                                                                                                       |          | Enthalpy / Enthalpy                                                                                                                                                                                                                                                                                                                       |      |
| 2 Relinquished By: [Signature]                                                                                                                                                                                           |                                               | Tanya Rojas                                                                                                                                                                                                       |          | Enthalpy / Enthalpy                                                                                                                                                                                                                                                                                                                       |      |
| 2 Received By: [Signature]                                                                                                                                                                                               |                                               | Tanya Rojas                                                                                                                                                                                                       |          | Enthalpy / Enthalpy                                                                                                                                                                                                                                                                                                                       |      |
| 3 Relinquished By: [Signature]                                                                                                                                                                                           |                                               | Daniel W. W. W.                                                                                                                                                                                                   |          | Enthalpy / Enthalpy                                                                                                                                                                                                                                                                                                                       |      |
| 3 Received By: [Signature]                                                                                                                                                                                               |                                               | Daniel W. W. W.                                                                                                                                                                                                   |          | Enthalpy / Enthalpy                                                                                                                                                                                                                                                                                                                       |      |
| Date / Time                                                                                                                                                                                                              |                                               | Date / Time                                                                                                                                                                                                       |          | Date / Time                                                                                                                                                                                                                                                                                                                               |      |
| 3/8/24                                                                                                                                                                                                                   |                                               | 3/8/24                                                                                                                                                                                                            |          | 3/8/24                                                                                                                                                                                                                                                                                                                                    |      |
| 1430                                                                                                                                                                                                                     |                                               | 1430                                                                                                                                                                                                              |          | 1430                                                                                                                                                                                                                                                                                                                                      |      |
| 3/8/24                                                                                                                                                                                                                   |                                               | 3/8/24                                                                                                                                                                                                            |          | 3/8/24                                                                                                                                                                                                                                                                                                                                    |      |
| 1545                                                                                                                                                                                                                     |                                               | 1545                                                                                                                                                                                                              |          | 1545                                                                                                                                                                                                                                                                                                                                      |      |
| 3/8/24                                                                                                                                                                                                                   |                                               | 3/8/24                                                                                                                                                                                                            |          | 3/8/24                                                                                                                                                                                                                                                                                                                                    |      |
| 17.4                                                                                                                                                                                                                     |                                               | 17.4                                                                                                                                                                                                              |          | 17.4                                                                                                                                                                                                                                                                                                                                      |      |
| 3/8/24                                                                                                                                                                                                                   |                                               | 3/8/24                                                                                                                                                                                                            |          | 3/8/24                                                                                                                                                                                                                                                                                                                                    |      |
| 112.0                                                                                                                                                                                                                    |                                               | 112.0                                                                                                                                                                                                             |          | 112.0                                                                                                                                                                                                                                                                                                                                     |      |

504073



**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: 2 of 2                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  | 5 Day: 1 Day: X (PB)                                                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                              |  |  |  |                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |
| Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other                                                                                                                                                                                                                                                                          |  |  |  | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other                                              |  |  |  |                                                                                                                                                           |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                              |  |  |  |                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |
| Report: Level IV                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  | Sample Receipt Temp:                                                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                              |  |  |  |                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |
| (lab use only)                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |                                                                                                                                                                                                        |  |  |  |                                                                                                                                                           |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                              |  |  |  |                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |
| <b>CUSTOMER INFORMATION</b><br>Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (510) 890-9556<br>Fax:                                                                                                                                                                                           |  |  |  | <b>PROJECT INFORMATION</b><br>Quote #: RIN031721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #: 158 Cody Road, Mountain View, CA<br>Address:<br>Global ID:<br>Sampled By: D. Walsh |  |  |  | <b>ANALYSIS REQUEST</b><br>PCBs - EPA Method 3546/8082<br>Lead by EPA Method 3050M/6010B<br>HOLD                                                          |  |  |  | <b>TEST INSTRUCTIONS / COMMENTS</b><br>Confirmation Wipe Samples - Level IV<br>Report/Stage 3 Validation<br>Report PCB concentrations on a µg/100cm <sup>2</sup> basis<br>Report lead concentrations on a µg/ft <sup>2</sup> basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) |  |  |  |                                                              |  |  |  |                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |
| <b>SAMPLE ID</b><br>16 ARCH-C14W-JNT-2.5 TO 3.5-240308-L-WF<br>17 ARCH-C14W-DG-4 TO 4.5-240308-P-FB<br>18 ARCH-C14W-DG-4 TO 4.5-240308-L-FB<br>19 ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA<br>20 ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA<br>21 ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA<br>22 ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA<br>23 240308-P-FIELD/BLANK1-LO<br>24<br>25<br>26<br>27<br>28<br>29<br>30 |  |  |  | <b>SAMPLING TIME</b><br>0855<br>0920<br>0920<br>0910<br>0910<br>0930<br>0930<br>0745                                                                                                                   |  |  |  | <b>MATRIX</b><br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP                                                                                             |  |  |  | <b>CONTAINER NO. / SIZE</b><br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                                                                                                                                                                                                                                                                                                          |  |  |  | <b>PRES.</b><br>--<br>--<br>--<br>--<br>--<br>--<br>--<br>-- |  |  |  | <b>PRINT NAME</b><br>Donald Walsh<br>Tamy Rojas<br>Tamy Rojas<br>Tamy Rojas<br>Tamy Rojas<br>Tamy Rojas<br>Tamy Rojas<br>Tamy Rojas<br>Tamy Rojas |  |  |  | <b>DATE / TIME</b><br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430 |  |  |  |
| <b>SIGNATURE</b><br>Relinquished By: [Signature]<br>Received By: [Signature]<br>Relinquished By: [Signature]<br>Received By: [Signature]<br>Relinquished By: [Signature]<br>Received By: [Signature]                                                                                                                                                                                                                                 |  |  |  | <b>COMPANY / TITLE</b><br>Rincon / Env. Scientist<br>Enthalpy<br>Enthalpy<br>Enthalpy<br>Enthalpy<br>Enthalpy<br>Enthalpy<br>Enthalpy<br>Enthalpy                                                      |  |  |  | <b>DATE / TIME</b><br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430<br>3/8/24 1430 |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                              |  |  |  |                                                                                                                                                   |  |  |  |                                                                                                                                                           |  |  |  |



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: General Info

Date Received: 3-8-24 Login # 504073 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 3-8-24 By (print) JH (sign) JH

☒ 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? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were Method 5035 sampling containers present? Transferred to freezer @:     | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Did all containers arrive unbroken/unopened?                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Are there any missing / extra samples?                                      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Are samples in the appropriate containers for indicated tests?              | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Are sample labels present, in good condition and complete?                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Does the container count match the COC?                                     | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Do the sample labels agree with custody papers?                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Was sufficient amount of sample sent for tests requested?                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Did you change the hold time in LIMS for unpreserved VOAs?                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Did you change the hold time in LIMS for preserved terracores?              | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Are bubbles > 6mm present in VOA samples?                                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Was the client contacted about this delivery? Contacted: By: Date:          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |

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 3-8-24 By (print) MAY (sign) JH

Date Labeled 3-8-24 By (print) JH (sign) JH

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: Pincon Consultants, Inc

Project: Hanger 1-NCTRA WP

Date Received: 3/9/24

Sampler's Name Present: ☒ Yes ☐ No

### Section 2

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

Sample Temp (°C), One from each cooler: #1: 2-7 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: \_\_\_\_\_

### Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 1.4 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 4

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

### 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: 3/9/24

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

Sample Acceptance Checklist – Rev 4, 8/8/2017

SOUTHWEST AIRLINES

Printed on:  
08 MAR 19:14

526 OAK 1014 9963

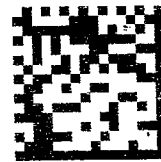


**ONT**

|           |       |        |
|-----------|-------|--------|
| PC#       | DG    | LOT WT |
| 4 OF      | 5   G | 160 LB |
| (72.5 KG) |       |        |

OAK WN 3020 08 MAR 20:55

|     |     |      |     |        |
|-----|-----|------|-----|--------|
| STN | FLT | DATE | ETD | LOT 01 |
|-----|-----|------|-----|--------|



PC ID: 0004  
PC WT: \$2LB

526 10149963 0004

**S**

1.4/ 2.7

## **Results & QC Summary**

## Enthalpy Analytical - Orange Analytical Report

|                                                   |                                 |                           |
|---------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 504073                              | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                 | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C14W-EXT-1 TO 2-240308-P-WF | <b>Batch#:</b> 335088           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                               | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-001                         | <b>Received:</b> 03/08/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                               | <b>Prepared:</b> 03/11/24       |                           |
| <b>Diln Fac:</b> 1.000                            | <b>Analyzed:</b> 03/12/24       |                           |

| 504073-001 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 |

| 504073-001 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 102  | 19-121 |
| Decachlorobiphenyl (PCB) | 91   | 19-121 |

|                                                                |                           |                           |
|----------------------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA | <b>Batch#:</b> 335088     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-004                                      | <b>Received:</b> 03/08/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 03/11/24 |                           |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 03/12/24 |                           |

| 504073-004 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 |

| 504073-004 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 88   | 19-121 |
| Decachlorobiphenyl (PCB) | 79   | 19-121 |



## Enthalpy Analytical - Orange Analytical Report

|                                                                |                                 |                           |
|----------------------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 504073                                           | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                              | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA | <b>Batch#:</b> 335088           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-006                                      | <b>Received:</b> 03/08/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 03/11/24       |                           |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 03/12/24       |                           |

| 504073-006 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 |
| 504073-006 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 93   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 82   | 19-121     |

|                                                                    |                           |                           |
|--------------------------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA | <b>Batch#:</b> 335088     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                                | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-007                                          | <b>Received:</b> 03/08/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                                | <b>Prepared:</b> 03/11/24 |                           |
| <b>Diln Fac:</b> 1.000                                             | <b>Analyzed:</b> 03/12/24 |                           |

| 504073-007 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 |
| 504073-007 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 84   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 75   | 19-121     |

## Enthalpy Analytical - Orange Analytical Report

|                                                    |                                 |                           |
|----------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 504073                               | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                  | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C14W-DG-2 TO 2.5-240308-P-FB | <b>Batch#:</b> 335088           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-009                          | <b>Received:</b> 03/08/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                | <b>Prepared:</b> 03/11/24       |                           |
| <b>Diln Fac:</b> 1.000                             | <b>Analyzed:</b> 03/12/24       |                           |

| 504073-009 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 |

| 504073-009 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 82   | 19-121 |
| Decachlorobiphenyl (PCB) | 73   | 19-121 |

|                                              |                           |                           |
|----------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C14W-PS-2.5-240308-P-G | <b>Batch#:</b> 335088     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                          | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-011                    | <b>Received:</b> 03/08/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                          | <b>Prepared:</b> 03/11/24 |                           |
| <b>Diln Fac:</b> 1.000                       | <b>Analyzed:</b> 03/12/24 |                           |

| 504073-011 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 |

| 504073-011 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 79   | 19-121 |
| Decachlorobiphenyl (PCB) | 72   | 19-121 |

## Enthalpy Analytical - Orange Analytical Report

|                                                    |                                 |                           |
|----------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 504073                               | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                  | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C14W-DG-2.5 TO 3-240308-P-FB | <b>Batch#:</b> 335088           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-013                          | <b>Received:</b> 03/08/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                | <b>Prepared:</b> 03/11/24       |                           |
| <b>Diln Fac:</b> 1.000                             | <b>Analyzed:</b> 03/13/24       |                           |

| 504073-013 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 |
| 504073-013 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 49   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 45   | 19-121     |

|                                                       |                           |                           |
|-------------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C14W-INT-2.5 TO 3.5-240308-P-WF | <b>Batch#:</b> 335088     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                   | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-015                             | <b>Received:</b> 03/08/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                   | <b>Prepared:</b> 03/11/24 |                           |
| <b>Diln Fac:</b> 1.000                                | <b>Analyzed:</b> 03/13/24 |                           |

| 504073-015 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 |
| 504073-015 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 53   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 65   | 19-121     |

## Enthalpy Analytical - Orange Analytical Report

|                                                    |                                 |                           |
|----------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 504073                               | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                  | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C14W-DG-4 TO 4.5-240308-P-FB | <b>Batch#:</b> 335088           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-017                          | <b>Received:</b> 03/08/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                | <b>Prepared:</b> 03/11/24       |                           |
| <b>Diln Fac:</b> 1.000                             | <b>Analyzed:</b> 03/13/24       |                           |

| 504073-017 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 |
| 504073-017 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 62   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 69   | 19-121     |

|                                                                |                           |                           |
|----------------------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA | <b>Batch#:</b> 335088     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-019                                      | <b>Received:</b> 03/08/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 03/11/24 |                           |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 03/12/24 |                           |

| 504073-019 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 |
| 504073-019 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 104  | 19-121     |
| Decachlorobiphenyl (PCB) |        | 87   | 19-121     |

## Enthalpy Analytical - Orange Analytical Report

|                                                                |  |                                 |                           |
|----------------------------------------------------------------|--|---------------------------------|---------------------------|
| <b>Lab #:</b> 504073                                           |  | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA |  | <b>Batch#:</b> 335088           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-021                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                           |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/12/24       |                           |

| 504073-021 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 |

| 504073-021 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 102  | 19-121 |
| Decachlorobiphenyl (PCB) | 93   | 19-121 |

|                                          |                           |                           |
|------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> 240308-P-FIELDBLANK1-LO | <b>Batch#:</b> 335088     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                      | <b>Sampled:</b> 03/08/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 504073-023                | <b>Received:</b> 03/08/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                      | <b>Prepared:</b> 03/11/24 |                           |
| <b>Diln Fac:</b> 1.000                   | <b>Analyzed:</b> 03/12/24 |                           |

| 504073-023 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 |

| 504073-023 Surrogate     | %REC  | Limits |
|--------------------------|-------|--------|
| TCMX (PCB)               | 125 * | 19-121 |
| Decachlorobiphenyl (PCB) | 124 * | 19-121 |



## Enthalpy Analytical - Orange Analytical Report

**Lab #:** 504073

**Project#:** 20-10491

**Client:** Rincon Consultants

**Location:** Hangar 1 NTCRA

**Type:** BLANK

**Batch#:** 335088

**Analysis:** EPA 8082

**Lab ID:** QC1135511

**Prepared:** 03/11/24

**Analyst:** MES

**Matrix:** Wipe

**Analyzed:** 03/12/24

**Diln Fac:** 1.000

**Prep:** EPA 3546

| QC1135511 Analyte | Result | RL   | Units      |
|-------------------|--------|------|------------|
| Aroclor-1016      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1221      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1232      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1242      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1248      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1254      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1260      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1262      | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1268      | ND     | 0.50 | ug/100 cm2 |

| QC1135511 Surrogate      | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 115  | 19-121 |
| Decachlorobiphenyl (PCB) | 109  | 19-121 |

**Legend**

\*: Value is outside QC limits

**ND:** Not Detected

**RL:** Reporting Limit

## Enthalpy Analytical - Orange Analytical Report: Batch QC

**Lab #:** 504073

**Project#:** 20-10491

**Client:** Rincon Consultants

**Location:** Hangar 1 NTCRA

**Type:** BS

**Batch#:** 335088

**Analysis:** EPA 8082

**Lab ID:** QC1135512

**Prepared:** 03/11/24

**Analyst:** MES

**Matrix:** Wipe

**Analyzed:** 03/12/24

**Diln Fac:** 1.000

**Prep:** EPA 3546

| QC1135512 Analyte | Spiked | Result | %REC | Limits | Units      |
|-------------------|--------|--------|------|--------|------------|
| Aroclor-1016      | 5.000  | 6.269  | 125  | 60-140 | ug/100 cm2 |
| Aroclor-1260      | 5.000  | 5.547  | 111  | 60-140 | ug/100 cm2 |

| QC1135512 Surrogate      | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 110  | 19-121 |
| Decachlorobiphenyl (PCB) | 108  | 19-121 |

**Type:** BSD

**Batch#:** 335088

**Analysis:** EPA 8082

**Lab ID:** QC1135513

**Prepared:** 03/11/24

**Analyst:** MES

**Matrix:** Wipe

**Analyzed:** 03/12/24

**Diln Fac:** 1.000

**Prep:** EPA 3546

| QC1135513 Analyte | Spiked | Result | %REC | Limits | Units      | RPD | Lim |
|-------------------|--------|--------|------|--------|------------|-----|-----|
| Aroclor-1016      | 5.000  | 6.706  | 134  | 60-140 | ug/100 cm2 | 7   | 20  |
| Aroclor-1260      | 5.000  | 5.998  | 120  | 60-140 | ug/100 cm2 | 8   | 20  |

| QC1135513 Surrogate      | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 117  | 19-121 |
| Decachlorobiphenyl (PCB) | 112  | 19-121 |

Legend

**RPD:** Relative Percent  
Difference

Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 X Axis: R

| Level | File           | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------------|--------------|-----------|-------------------|-----------|
| L1    | gc06_030724010 | 454097020010 |           | 07-MAR-2024 13:53 | S19330    |
| L2    | gc06_030724011 | 454097020011 |           | 07-MAR-2024 14:12 | S19332    |
| L3    | gc06_030724012 | 454097020012 |           | 07-MAR-2024 14:33 | S19333    |
| L4    | gc06_030724013 | 454097020013 |           | 07-MAR-2024 14:53 | S19335    |
| L5    | gc06_030724014 | 454097020014 |           | 07-MAR-2024 15:13 | S19340    |
| L6    | gc06_030724015 | 454097020015 |           | 07-MAR-2024 15:32 | S19336    |
| L7    | gc06_030724016 | 454097020016 |           | 07-MAR-2024 15:53 | S19337    |
| L8    | gc06_030724017 | 454097020017 |           | 07-MAR-2024 16:13 | S19338    |
| L9    | gc06_030724018 | 454097020018 |           | 07-MAR-2024 16:32 | S19339    |

| Analyte                  | Ch | Type | a0 | a1      | a2 | Avg RF | %RSD | n | Min r <sup>2</sup> | Max %RSD | Flags |
|--------------------------|----|------|----|---------|----|--------|------|---|--------------------|----------|-------|
| Aroclor-1016 Peak # 1    | A  | AVRG |    | 45.6225 |    | 0.0219 | 12   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | A  | AVRG |    | 23.5964 |    | 0.0424 | 12   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | A  | AVRG |    | 18.5306 |    | 0.0540 | 9    | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | A  | AVRG |    | 30.9611 |    | 0.0323 | 11   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | A  | AVRG |    | 33.7921 |    | 0.0296 | 10   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | A  | AVRG |    | 16.0381 |    | 0.0624 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | A  | AVRG |    | 10.5855 |    | 0.0945 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | A  | AVRG |    | 10.2577 |    | 0.0975 | 10   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | A  | AVRG |    | 18.3923 |    | 0.0544 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | A  | AVRG |    | 14.2067 |    | 0.0704 | 10   | 9 | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | A  | AVRG |    | 0.75924 |    | 1.3171 | 12   | 9 | .99                | 20       |       |
| TCMX (PCB)               | A  | AVRG |    | 1.01316 |    | 0.9870 | 10   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 1    | B  | AVRG |    | 50.3207 |    | 0.0199 | 13   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | B  | AVRG |    | 24.7211 |    | 0.0405 | 16   | 8 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | B  | AVRG |    | 17.9273 |    | 0.0558 | 15   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | B  | AVRG |    | 27.5683 |    | 0.0363 | 12   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | B  | AVRG |    | 33.8501 |    | 0.0295 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | B  | AVRG |    | 17.1226 |    | 0.0584 | 17   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | B  | AVRG |    | 14.3873 |    | 0.0695 | 18   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | B  | AVRG |    | 12.2952 |    | 0.0813 | 14   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | B  | AVRG |    | 20.0480 |    | 0.0499 | 15   | 8 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | B  | AVRG |    | 15.7261 |    | 0.0636 | 12   | 8 | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | B  | AVRG |    | 1.20154 |    | 0.8323 | 14   | 9 | .99                | 20       |       |
| TCMX (PCB)               | B  | AVRG |    | 1.08719 |    | 0.9198 | 12   | 8 | .99                | 20       |       |

Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 X Axis: R

*Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × a2)*

*AVRG: Average response factor*

| Analyte                  | Ch | L1<br>RF | L2<br>RF | L3<br>RF | L4<br>RF | L5<br>RF | L6<br>RF | L7<br>RF | L8<br>RF | L9<br>RF |
|--------------------------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Aroclor-1016 Peak # 1    | A  | 0.0225   | 0.0250   | 0.0217   | 0.0217   | 0.0270   | 0.0207   | 0.0200   | 0.0194   | 0.0192   |
| Aroclor-1016 Peak # 2    | A  | 0.0465   | 0.0460   | 0.0437   | 0.0427   | 0.0520   | 0.0400   | 0.0377   | 0.0369   | 0.0361   |
| Aroclor-1016 Peak # 3    | A  | 0.0545   | 0.0591   | 0.0549   | 0.0542   | 0.0642   | 0.0512   | 0.0488   | 0.0489   | 0.0498   |
| Aroclor-1016 Peak # 4    | A  | 0.0365   | 0.0332   | 0.0321   | 0.0318   | 0.0393   | 0.0312   | 0.0294   | 0.0288   | 0.0285   |
| Aroclor-1016 Peak # 5    | A  | 0.0286   | 0.0297   | 0.0303   | 0.0301   | 0.0371   | 0.0292   | 0.0276   | 0.0270   | 0.0267   |
| Aroclor-1260 Peak # 1    | A  | 0.0645   | 0.0650   | 0.0638   | 0.0643   | 0.0765   | 0.0607   | 0.0571   | 0.0553   | 0.0538   |
| Aroclor-1260 Peak # 2    | A  | 0.0971   | 0.1006   | 0.0953   | 0.0958   | 0.1162   | 0.0930   | 0.0857   | 0.0846   | 0.0820   |
| Aroclor-1260 Peak # 3    | A  | 0.1077   | 0.0901   | 0.1001   | 0.0969   | 0.1190   | 0.0952   | 0.0903   | 0.0898   | 0.0884   |
| Aroclor-1260 Peak # 4    | A  | 0.0569   | 0.0555   | 0.0558   | 0.0546   | 0.0676   | 0.0528   | 0.0494   | 0.0489   | 0.0479   |
| Aroclor-1260 Peak # 5    | A  | 0.0757   | 0.0709   | 0.0678   | 0.0671   | 0.0860   | 0.0707   | 0.0647   | 0.0661   | 0.0644   |
| Decachlorobiphenyl (PCB) | A  | 1.5078   | 1.4049   | 1.3530   | 1.2793   | 1.5826   | 1.2215   | 1.2126   | 1.1379   | 1.1542   |
| TCMX (PCB)               | A  | 1.0126   | 0.9784   | 0.9553   | 0.9393   | 1.2278   | 0.9462   | 0.9190   | 0.9354   | 0.9691   |
| Aroclor-1016 Peak # 1    | B  | 0.0221   | 0.0215   | 0.0211   | 0.0199   | 0.0241   | 0.0188   | 0.0178   | 0.0172   | 0.0164   |
| Aroclor-1016 Peak # 2    | B  |          | 0.0494   | 0.0450   | 0.0416   | 0.0480   | 0.0379   | 0.0354   | 0.0340   | 0.0323   |
| Aroclor-1016 Peak # 3    | B  | 0.0667   | 0.0604   | 0.0622   | 0.0571   | 0.0652   | 0.0501   | 0.0476   | 0.0471   | 0.0457   |
| Aroclor-1016 Peak # 4    | B  | 0.0400   | 0.0393   | 0.0383   | 0.0366   | 0.0437   | 0.0346   | 0.0323   | 0.0313   | 0.0304   |
| Aroclor-1016 Peak # 5    | B  | 0.0294   | 0.0308   | 0.0319   | 0.0312   | 0.0357   | 0.0283   | 0.0271   | 0.0261   | 0.0254   |
| Aroclor-1260 Peak # 1    | B  | 0.0746   | 0.0678   | 0.0620   | 0.0579   | 0.0666   | 0.0526   | 0.0506   | 0.0473   | 0.0462   |
| Aroclor-1260 Peak # 2    | B  | 0.0902   | 0.0796   | 0.0760   | 0.0700   | 0.0779   | 0.0621   | 0.0602   | 0.0556   | 0.0538   |
| Aroclor-1260 Peak # 3    | B  | 0.0986   | 0.0887   | 0.0860   | 0.0795   | 0.0955   | 0.0750   | 0.0723   | 0.0688   | 0.0676   |
| Aroclor-1260 Peak # 4    | B  |          | 0.0590   | 0.0572   | 0.0492   | 0.0588   | 0.0468   | 0.0450   | 0.0415   | 0.0416   |
| Aroclor-1260 Peak # 5    | B  |          | 0.0680   | 0.0693   | 0.0658   | 0.0764   | 0.0611   | 0.0583   | 0.0554   | 0.0542   |
| Decachlorobiphenyl (PCB) | B  | 0.9502   | 0.9230   | 0.9302   | 0.8543   | 0.9752   | 0.7647   | 0.7377   | 0.6855   | 0.6696   |
| TCMX (PCB)               | B  |          | 1.0223   | 0.9890   | 0.9203   | 1.0983   | 0.8531   | 0.8186   | 0.8169   | 0.8398   |

Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 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 | 3  | 50.000 | 14 | 100.00 | -1 | 250.00 | -1 | 500.00 | 23 | 750.00 | -5  | 1000.0 | -9  | 1500.0 | -11 |
| Aroclor-1016 Peak # 2    | A  | 20.000 | 10 | 50.000 | 8  | 100.00 | 3  | 250.00 | 1  | 500.00 | 23 | 750.00 | -6  | 1000.0 | -11 | 1500.0 | -13 |
| Aroclor-1016 Peak # 3    | A  | 20.000 | 1  | 50.000 | 10 | 100.00 | 2  | 250.00 | 0  | 500.00 | 19 | 750.00 | -5  | 1000.0 | -10 | 1500.0 | -9  |
| Aroclor-1016 Peak # 4    | A  | 20.000 | 13 | 50.000 | 3  | 100.00 | -1 | 250.00 | -2 | 500.00 | 22 | 750.00 | -4  | 1000.0 | -9  | 1500.0 | -11 |
| Aroclor-1016 Peak # 5    | A  | 20.000 | -3 | 50.000 | 0  | 100.00 | 3  | 250.00 | 2  | 500.00 | 25 | 750.00 | -1  | 1000.0 | -7  | 1500.0 | -9  |
| Aroclor-1260 Peak # 1    | A  | 20.000 | 3  | 50.000 | 4  | 100.00 | 2  | 250.00 | 3  | 500.00 | 23 | 750.00 | -3  | 1000.0 | -8  | 1500.0 | -11 |
| Aroclor-1260 Peak # 2    | A  | 20.000 | 3  | 50.000 | 7  | 100.00 | 1  | 250.00 | 1  | 500.00 | 23 | 750.00 | -2  | 1000.0 | -9  | 1500.0 | -10 |
| Aroclor-1260 Peak # 3    | A  | 20.000 | 11 | 50.000 | -8 | 100.00 | 3  | 250.00 | -1 | 500.00 | 22 | 750.00 | -2  | 1000.0 | -7  | 1500.0 | -8  |
| Aroclor-1260 Peak # 4    | A  | 20.000 | 5  | 50.000 | 2  | 100.00 | 3  | 250.00 | 0  | 500.00 | 24 | 750.00 | -3  | 1000.0 | -9  | 1500.0 | -10 |
| Aroclor-1260 Peak # 5    | A  | 20.000 | 7  | 50.000 | 1  | 100.00 | -4 | 250.00 | -5 | 500.00 | 22 | 750.00 | 0   | 1000.0 | -8  | 1500.0 | -6  |
| Decachlorobiphenyl (PCB) | A  | 1.6000 | 14 | 4.0000 | 7  | 8.0000 | 3  | 20.000 | -3 | 40.000 | 20 | 60.000 | -7  | 80.000 | -8  | 120.00 | -14 |
| TCMX (PCB)               | A  | 1.6000 | 3  | 4.0000 | -1 | 8.0000 | -3 | 20.000 | -5 | 40.000 | 24 | 60.000 | -4  | 80.000 | -7  | 120.00 | -5  |
| Aroclor-1016 Peak # 1    | B  | 20.000 | 11 | 50.000 | 8  | 100.00 | 6  | 250.00 | 0  | 500.00 | 21 | 750.00 | -5  | 1000.0 | -11 | 1500.0 | -14 |
| Aroclor-1016 Peak # 2    | B  |        |    | 50.000 | 22 | 100.00 | 11 | 250.00 | 3  | 500.00 | 19 | 750.00 | -6  | 1000.0 | -12 | 1500.0 | -16 |
| Aroclor-1016 Peak # 3    | B  | 20.000 | 20 | 50.000 | 8  | 100.00 | 12 | 250.00 | 2  | 500.00 | 17 | 750.00 | -10 | 1000.0 | -15 | 1500.0 | -16 |
| Aroclor-1016 Peak # 4    | B  | 20.000 | 10 | 50.000 | 8  | 100.00 | 6  | 250.00 | 1  | 500.00 | 21 | 750.00 | -5  | 1000.0 | -11 | 1500.0 | -14 |
| Aroclor-1016 Peak # 5    | B  | 20.000 | -1 | 50.000 | 4  | 100.00 | 8  | 250.00 | 6  | 500.00 | 21 | 750.00 | -4  | 1000.0 | -8  | 1500.0 | -12 |
| Aroclor-1260 Peak # 1    | B  | 20.000 | 28 | 50.000 | 16 | 100.00 | 6  | 250.00 | -1 | 500.00 | 14 | 750.00 | -10 | 1000.0 | -13 | 1500.0 | -19 |
| Aroclor-1260 Peak # 2    | B  | 20.000 | 30 | 50.000 | 14 | 100.00 | 9  | 250.00 | 1  | 500.00 | 12 | 750.00 | -11 | 1000.0 | -13 | 1500.0 | -20 |
| Aroclor-1260 Peak # 3    | B  | 20.000 | 21 | 50.000 | 9  | 100.00 | 6  | 250.00 | -2 | 500.00 | 17 | 750.00 | -8  | 1000.0 | -11 | 1500.0 | -15 |
| Aroclor-1260 Peak # 4    | B  |        |    | 50.000 | 18 | 100.00 | 15 | 250.00 | -1 | 500.00 | 18 | 750.00 | -6  | 1000.0 | -10 | 1500.0 | -17 |
| Aroclor-1260 Peak # 5    | B  |        |    | 50.000 | 7  | 100.00 | 9  | 250.00 | 3  | 500.00 | 20 | 750.00 | -4  | 1000.0 | -8  | 1500.0 | -13 |
| Decachlorobiphenyl (PCB) | B  | 1.6000 | 14 | 4.0000 | 11 | 8.0000 | 12 | 20.000 | 3  | 40.000 | 17 | 60.000 | -8  | 80.000 | -11 | 120.00 | -18 |
| TCMX (PCB)               | B  |        |    | 4.0000 | 11 | 8.0000 | 8  | 20.000 | 0  | 40.000 | 19 | 60.000 | -7  | 80.000 | -11 | 120.00 | -11 |



Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 X Axis: R

| Spiked Amounts / Drifts  | Ch | L9     | %D         |
|--------------------------|----|--------|------------|
| Aroclor-1016 Peak # 1    | A  | 2000.0 | -12        |
| Aroclor-1016 Peak # 2    | A  | 2000.0 | -15        |
| Aroclor-1016 Peak # 3    | A  | 2000.0 | -8         |
| Aroclor-1016 Peak # 4    | A  | 2000.0 | -12        |
| Aroclor-1016 Peak # 5    | A  | 2000.0 | -10        |
| Aroclor-1260 Peak # 1    | A  | 2000.0 | -14        |
| Aroclor-1260 Peak # 2    | A  | 2000.0 | -13        |
| Aroclor-1260 Peak # 3    | A  | 2000.0 | -9         |
| Aroclor-1260 Peak # 4    | A  | 2000.0 | -12        |
| Aroclor-1260 Peak # 5    | A  | 2000.0 | -8         |
| Decachlorobiphenyl (PCB) | A  | 160.00 | -12        |
| TCMX (PCB)               | A  | 160.00 | -2         |
| Aroclor-1016 Peak # 1    | B  | 2000.0 | -18        |
| Aroclor-1016 Peak # 2    | B  | 2000.0 | -20        |
| Aroclor-1016 Peak # 3    | B  | 2000.0 | -18        |
| Aroclor-1016 Peak # 4    | B  | 2000.0 | -16        |
| Aroclor-1016 Peak # 5    | B  | 2000.0 | -14        |
| Aroclor-1260 Peak # 1    | B  | 2000.0 | <b>-21</b> |
| Aroclor-1260 Peak # 2    | B  | 2000.0 | <b>-23</b> |
| Aroclor-1260 Peak # 3    | B  | 2000.0 | -17        |
| Aroclor-1260 Peak # 4    | B  | 2000.0 | -17        |
| Aroclor-1260 Peak # 5    | B  | 2000.0 | -15        |
| Decachlorobiphenyl (PCB) | B  | 160.00 | -20        |
| TCMX (PCB)               | B  | 160.00 | -9         |

TRN 03/07/24 : manually integrated for coeluting peak, negative/tailing peak and automatic draw baseline for one/both columns on multiple levels

**Analyst:** TRN 03/07/24

**Reviewer:** MTS 03/08/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504073 PCBS Wipe  
EPA 8082

Inst: SVOA-GC06  
Calnum: 454097020001

Name: PCB\_608\_030724\_1  
Cal Date: 07-MAR-2024

- ICV 454097020020 (gc06\_030724020 07-MAR-2024) stds: S19897

| Analyte      | Ch | Spiked | Quant | Units | %D  | Max | Flags |
|--------------|----|--------|-------|-------|-----|-----|-------|
| Aroclor-1016 | A  | 500.0  | 485.6 | ug/L  | -3  | 15  |       |
| Aroclor-1260 | A  | 500.0  | 457.4 | ug/L  | -9  | 15  |       |
| Aroclor-1016 | B  | 500.0  | 485.5 | ug/L  | -3  | 15  |       |
| Aroclor-1260 | B  | 500.0  | 447.2 | ug/L  | -11 | 15  |       |

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**Analyst:** TRN 03/07/24

**Reviewer:** MTS 03/08/24

ENTHALPY CONTINUING CALIBRATION FOR 504073 PCBS Wipe  
EPA 8082

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: SVOA-GC06      | File: gc06_031224004 | IDF: 1.0                |
| Seqnum: 454104162004 | Caldate: 07-MAR-2024 | Time: 12-MAR-2024 08:42 |
| Cal: 454097020001    |                      |                         |

Standards: S20167

| Analyte                  | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D  | Max %D | Min RF | Flags  |
|--------------------------|----|----------------|-----------|--------|-------|-------|-----|--------|--------|--------|
| Aroclor-1016             | A  |                |           | 500.0  | 484.7 | ug/L  | -3  | 15     | 0.0000 |        |
| Aroclor-1260             | A  |                |           | 500.0  | 448.9 | ug/L  | -10 | 15     | 0.0000 |        |
| Decachlorobiphenyl (PCB) | A  | 1.3171         | 0.6617    | 40.00  | 20.10 | ug/L  | -50 | 15     | 0.0000 | c-     |
| TCMX (PCB)               | A  | 0.9870         | 0.4986    | 40.00  | 20.21 | ug/L  | -49 | 15     | 0.0000 | c-     |
| Aroclor-1016             | B  |                |           | 500.0  | 469.1 | ug/L  | -6  | 15     | 0.0000 |        |
| Aroclor-1260             | B  |                |           | 500.0  | 422.1 | ug/L  | -16 | 15     | 0.0000 | c- *** |
| Decachlorobiphenyl (PCB) | B  | 0.8323         | 0.4211    | 40.00  | 20.24 | ug/L  | -49 | 15     | 0.0000 | c-     |
| TCMX (PCB)               | B  | 0.9198         | 0.4669    | 40.00  | 20.31 | ug/L  | -49 | 15     | 0.0000 | c-     |

| ISTD (ICAL gc06_030724011)   | Ch | ICAL Abund | Abund    | %Drift |
|------------------------------|----|------------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 23719403   | 33268546 | 40.26  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2315876    | 3104777  | 34.06  |

03/12/24 : 500 PPB PCB CCV

MES 03/12/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

MES 03/12/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

MES 03/12/24 : Report from channel A

--low bias c=CCV

**Analyst:** MES 03/12/24

**Reviewer:** MTS 03/12/24

ENTHALPY CONTINUING CALIBRATION FOR 504073 PCBS Wipe  
EPA 8082

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: SVOA-GC06      | File: gc06_031324009 | IDF: 1.0                |
| Seqnum: 454105680009 | Caldate: 07-MAR-2024 | Time: 13-MAR-2024 11:40 |
| Cal: 454097020001    |                      |                         |

Standards: S20216

| Analyte                  | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|--------------------------|----|----------------|-----------|--------|-------|-------|----|--------|--------|-------|
| Aroclor-1016             | A  |                |           | 500.0  | 496.4 | ug/L  | -1 | 15     | 0.0000 |       |
| Aroclor-1260             | A  |                |           | 500.0  | 535.4 | ug/L  | 7  | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | A  | 1.3171         | 1.4475    | 40.00  | 43.96 | ug/L  | 10 | 15     | 0.0000 |       |
| TCMX (PCB)               | A  | 0.9870         | 0.9552    | 40.00  | 38.71 | ug/L  | -3 | 15     | 0.0000 |       |
| Aroclor-1016             | B  |                |           | 500.0  | 481.5 | ug/L  | -4 | 15     | 0.0000 |       |
| Aroclor-1260             | B  |                |           | 500.0  | 508.3 | ug/L  | 2  | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | B  | 0.8323         | 0.9352    | 40.00  | 44.95 | ug/L  | 12 | 15     | 0.0000 |       |
| TCMX (PCB)               | B  | 0.9198         | 0.8610    | 40.00  | 37.44 | ug/L  | -6 | 15     | 0.0000 |       |

| ISTD (ICAL gc06_030724011)   | Ch | ICAL Abund | Abund    | %Drift |
|------------------------------|----|------------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 23719403   | 22925252 | -3.35  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2315876    | 2080071  | -10.18 |

03/13/24 : 500 PPB PCB CCV

MES 03/13/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for all channels.

**Analyst:** MES 03/13/24

**Reviewer:** LW 03/13/24

| Date: 03/12/24<br>Sequence: SVOA-GC06 gc06_031224 |      |             | Reference: gc06_030724011<br>Analyzed: 03/07/24 14:12 |                  |
|---------------------------------------------------|------|-------------|-------------------------------------------------------|------------------|
| #                                                 | Type | Sample ID   | 1BR2NITROBZPCB B                                      | 1BR2NITROBZPCB A |
|                                                   |      | ICAL STD    | 23719403                                              | 2315876          |
|                                                   |      | LOWER LIMIT | 11859702                                              | 1157938          |
|                                                   |      | UPPER LIMIT | 47438806                                              | 4631751          |
| 004                                               | CCV  |             | 33268546                                              | 3104777          |
| 056                                               | CCV  |             | 32927588                                              | 3085216          |



Date: 03/12/24

Reference: gc06\_031224004

Sequence: SVOA-GC06 gc06\_031224

Analyzed: 03/12/24 08:42

| #   | Type   | Sample ID                                                         | 1BR2NITROBZPCB<br>B | 1BR2NITROBZPCB<br>A |
|-----|--------|-------------------------------------------------------------------|---------------------|---------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV | 33268546            | 3104777             |
|     |        | STD                                                               | 16634273            | 1552389             |
|     |        | LOWER LIMIT                                                       | 66537092            | 6209555             |
|     |        | UPPER LIMIT                                                       |                     |                     |
| 030 | BLANK  | QC1135511                                                         | 28757878            | 2268971             |
| 031 | BS     | QC1135512                                                         | 28541130            | 2173415             |
| 032 | BSD    | QC1135513                                                         | 33065884            | 2073495             |
| 033 | SAMPLE | 503558-001                                                        | 30865691            | 2331395             |
| 034 | SAMPLE | 503558-003                                                        | 30574902            | 2154137             |
| 035 | BS     | QC1135512                                                         | 27621586            | 2245130             |
| 036 | BSD    | QC1135513                                                         | 32758258            | 2113543             |
| 037 | SAMPLE | 503558-004                                                        | 29068416            | 2422823             |
| 038 | SAMPLE | 503558-006                                                        | 29776282            | 2211954             |
| 039 | SAMPLE | 503558-008                                                        | 27846971            | 2125999             |
| 040 | SAMPLE | 503558-012                                                        | 29323468            | 2183806             |
| 041 | SAMPLE | 504073-001                                                        | 27588770            | 1988547             |
| 042 | SAMPLE | 504073-004                                                        | 23815615            | 1936956             |
| 043 | SAMPLE | 504073-006                                                        | 27025299            | 2088786             |
| 044 | SAMPLE | 504073-007                                                        | 25143020            | 1880810             |
| 045 | SAMPLE | 504073-009                                                        | 23245397            | 1898280             |
| 046 | SAMPLE | 504073-011                                                        | 30958121            | 1949166             |
| 047 | SAMPLE | 504073-013                                                        | 28038370            | 1487429 *           |
| 048 | SAMPLE | 504073-015                                                        | 27509397            | 1479514 *           |
| 049 | SAMPLE | 504073-017                                                        | 23968707            | 1384025 *           |
| 050 | SAMPLE | 504073-019                                                        | 30040137            | 2078082             |
| 051 | SAMPLE | 504073-021                                                        | 26727313            | 1703277             |
| 052 | SAMPLE | 504073-023                                                        | 28553538            | 1594841             |

Date: 03/12/24

Reference: gc06\_031224004

Sequence: SVOA-GC06 gc06\_031224

Analyzed: 03/12/24 08:42

| #   | Type   | Sample ID                                                                | 1BR2NITROBZPCB<br>B RT | 1BR2NITROBZPCB<br>A RT |
|-----|--------|--------------------------------------------------------------------------|------------------------|------------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV<br>STD | 4.10                   | 3.94                   |
|     |        | LOWER LIMIT                                                              | 3.90                   | 3.74                   |
|     |        | UPPER LIMIT                                                              | 4.30                   | 4.14                   |
| 030 | BLANK  | QC1135511                                                                | 4.10                   | 3.94                   |
| 031 | BS     | QC1135512                                                                | 4.10                   | 3.95                   |
| 032 | BSD    | QC1135513                                                                | 4.10                   | 3.94                   |
| 033 | SAMPLE | 503558-001                                                               | 4.10                   | 3.94                   |
| 034 | SAMPLE | 503558-003                                                               | 4.09                   | 3.94                   |
| 035 | BS     | QC1135512                                                                | 4.10                   | 3.94                   |
| 036 | BSD    | QC1135513                                                                | 4.10                   | 3.94                   |
| 037 | SAMPLE | 503558-004                                                               | 4.09                   | 3.94                   |
| 038 | SAMPLE | 503558-006                                                               | 4.09                   | 3.94                   |
| 039 | SAMPLE | 503558-008                                                               | 4.09                   | 3.94                   |
| 040 | SAMPLE | 503558-012                                                               | 4.09                   | 3.94                   |
| 041 | SAMPLE | 504073-001                                                               | 4.09                   | 3.94                   |
| 042 | SAMPLE | 504073-004                                                               | 4.09                   | 3.94                   |
| 043 | SAMPLE | 504073-006                                                               | 4.09                   | 3.94                   |
| 044 | SAMPLE | 504073-007                                                               | 4.09                   | 3.94                   |
| 045 | SAMPLE | 504073-009                                                               | 4.09                   | 3.94                   |
| 046 | SAMPLE | 504073-011                                                               | 4.09                   | 3.95                   |
| 047 | SAMPLE | 504073-013                                                               | 4.09                   | 3.94                   |
| 048 | SAMPLE | 504073-015                                                               | 4.09                   | 3.94                   |
| 049 | SAMPLE | 504073-017                                                               | 4.09                   | 3.94                   |
| 050 | SAMPLE | 504073-019                                                               | 4.09                   | 3.94                   |
| 051 | SAMPLE | 504073-021                                                               | 4.09                   | 3.94                   |
| 052 | SAMPLE | 504073-023                                                               | 4.09                   | 3.94                   |

Date: 03/12/24  
Sequence: SVOA-GC06 gc06\_031224

Reference: gc06\_031224027  
Analyzed: 03/12/24 09:27

| #   | Type   | Sample ID                                                         | 1BR2NITROBZ1254<br>B | 1BR2NITROBZ1254<br>A |
|-----|--------|-------------------------------------------------------------------|----------------------|----------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV | 45111929             | 4426608              |
|     |        | STD                                                               |                      |                      |
|     |        | LOWER LIMIT                                                       | 22555964             | 2213304              |
|     |        | UPPER LIMIT                                                       | 90223858             | 8853216              |
| 030 | BLANK  | QC1135511                                                         |                      |                      |
| 033 | SAMPLE | 503558-001                                                        |                      |                      |
| 034 | SAMPLE | 503558-003                                                        |                      |                      |
| 037 | SAMPLE | 503558-004                                                        |                      |                      |
| 038 | SAMPLE | 503558-006                                                        |                      |                      |
| 039 | SAMPLE | 503558-008                                                        |                      |                      |
| 040 | SAMPLE | 503558-012                                                        |                      |                      |
| 041 | SAMPLE | 504073-001                                                        |                      |                      |
| 042 | SAMPLE | 504073-004                                                        |                      |                      |
| 043 | SAMPLE | 504073-006                                                        |                      |                      |
| 044 | SAMPLE | 504073-007                                                        |                      |                      |
| 045 | SAMPLE | 504073-009                                                        |                      |                      |
| 046 | SAMPLE | 504073-011                                                        |                      |                      |
| 047 | SAMPLE | 504073-013                                                        |                      |                      |
| 048 | SAMPLE | 504073-015                                                        |                      |                      |
| 049 | SAMPLE | 504073-017                                                        |                      |                      |
| 050 | SAMPLE | 504073-019                                                        |                      |                      |
| 051 | SAMPLE | 504073-021                                                        |                      |                      |
| 052 | SAMPLE | 504073-023                                                        |                      |                      |
| 069 | BLANK  | QC1135771                                                         |                      |                      |
| 069 | BLANK  | QC1135771                                                         |                      |                      |
| 071 | MSS    | 504094-005                                                        |                      |                      |
| 071 | MSS    | 504094-005                                                        |                      |                      |
| 075 | MSS    | 503799-001                                                        | 22791370             | 1667245 *            |
| 078 | SAMPLE | 503584-001                                                        |                      |                      |
| 078 | SAMPLE | 503584-001                                                        |                      |                      |

Date: 03/12/24  
Sequence: SVOA-GC06 gc06\_031224

Reference: gc06\_031224027  
Analyzed: 03/12/24 09:27

| #   | Type   | Sample ID                                                                | 1BR2NITROBZ1254<br>B RT | 1BR2NITROBZ1254<br>A RT |
|-----|--------|--------------------------------------------------------------------------|-------------------------|-------------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV<br>STD | 4.10                    | 3.94                    |
|     |        | LOWER LIMIT                                                              | 3.90                    | 3.74                    |
|     |        | UPPER LIMIT                                                              | 4.30                    | 4.14                    |
| 030 | BLANK  | QC1135511                                                                |                         |                         |
| 033 | SAMPLE | 503558-001                                                               |                         |                         |
| 034 | SAMPLE | 503558-003                                                               |                         |                         |
| 037 | SAMPLE | 503558-004                                                               |                         |                         |
| 038 | SAMPLE | 503558-006                                                               |                         |                         |
| 039 | SAMPLE | 503558-008                                                               |                         |                         |
| 040 | SAMPLE | 503558-012                                                               |                         |                         |
| 041 | SAMPLE | 504073-001                                                               |                         |                         |
| 042 | SAMPLE | 504073-004                                                               |                         |                         |
| 043 | SAMPLE | 504073-006                                                               |                         |                         |
| 044 | SAMPLE | 504073-007                                                               |                         |                         |
| 045 | SAMPLE | 504073-009                                                               |                         |                         |
| 046 | SAMPLE | 504073-011                                                               |                         |                         |
| 047 | SAMPLE | 504073-013                                                               |                         |                         |
| 048 | SAMPLE | 504073-015                                                               |                         |                         |
| 049 | SAMPLE | 504073-017                                                               |                         |                         |
| 050 | SAMPLE | 504073-019                                                               |                         |                         |
| 051 | SAMPLE | 504073-021                                                               |                         |                         |
| 052 | SAMPLE | 504073-023                                                               |                         |                         |
| 069 | BLANK  | QC1135771                                                                |                         |                         |
| 071 | MSS    | 504094-005                                                               |                         |                         |
| 075 | MSS    | 503799-001                                                               | 4.09                    | 3.94                    |
| 078 | SAMPLE | 503584-001                                                               |                         |                         |

| Date: 03/13/24<br>Sequence: SVOA-GC06 gc06_031324 |      |             | Reference: gc06_030724011<br>Analyzed: 03/07/24 14:12 |                  |
|---------------------------------------------------|------|-------------|-------------------------------------------------------|------------------|
| #                                                 | Type | Sample ID   | 1BR2NITROBZPCB B                                      | 1BR2NITROBZPCB A |
|                                                   |      | ICAL STD    | 23719403                                              | 2315876          |
|                                                   |      | LOWER LIMIT | 11859702                                              | 1157938          |
|                                                   |      | UPPER LIMIT | 47438806                                              | 4631751          |
| 004                                               | CCV  |             | 15703397                                              | 1426988          |
| 005                                               | CCV  |             | 15381474                                              | 1408191          |
| 009                                               | CCV  |             | 22925252                                              | 2080071          |
| 044                                               | CCV  |             | 23140318                                              | 2105986          |



Date: 03/13/24  
Sequence: SVOA-GC06 gc06\_031324

Reference: gc06\_031324009  
Analyzed: 03/13/24 11:40

| #   | Type   | Sample ID                                                                | 1BR2NITROBZPCB<br>B | 1BR2NITROBZPCB<br>A |
|-----|--------|--------------------------------------------------------------------------|---------------------|---------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV<br>STD | 22925252            | 2080071             |
|     |        | LOWER LIMIT                                                              | 11462626            | 1040036             |
|     |        | UPPER LIMIT                                                              | 45850504            | 4160143             |
| 016 | BLANK  | QC1135622                                                                | 24465146            | 2281816             |
| 017 | LCS    | QC1135623                                                                | 32781796            | 2909746             |
| 018 | MS     | QC1135624                                                                | 27538812            | 2363249             |
| 019 | MSD    | QC1135625                                                                | 32774111            | 2960534             |
| 020 | BLANK  | QC1135622                                                                | 26252412            | 2334472             |
| 021 | LCS    | QC1135623                                                                | 29051571            | 2746428             |
| 025 | SAMPLE | 504073-013                                                               | 29050216            | 1146906             |
| 026 | SAMPLE | 504073-015                                                               | 25158923            | 1142817             |
| 027 | SAMPLE | 504073-017                                                               | 27688473            | 1547676             |
| 028 | BLANK  | QC1135969                                                                | 22508212            | 2112615             |
| 029 | LCS    | QC1135970                                                                | 25623458            | 2395062             |
| 030 | MS     | QC1135971                                                                | 21498086            | 1964642             |
| 031 | MSD    | QC1135972                                                                | 22199254            | 1978230             |
| 032 | MSS    | 503433-002                                                               | 24099421            | 2144406             |
| 033 | SAMPLE | 503433-004                                                               | 24750239            | 2203969             |
| 034 | SAMPLE | 503433-007                                                               | 24245677            | 2176875             |
| 035 | SAMPLE | 503433-010                                                               | 22504712            | 2047122             |
| 036 | SAMPLE | 503433-022                                                               | 24875945            | 2275162             |
| 037 | SAMPLE | 503433-024                                                               | 23113647            | 2131049             |

Date: 03/13/24  
Sequence: SVOA-GC06 gc06\_031324

Reference: gc06\_031324009  
Analyzed: 03/13/24 11:40

| #   | Type   | Sample ID                                                                | 1BR2NITROBZPCB<br>B RT | 1BR2NITROBZPCB<br>A RT |
|-----|--------|--------------------------------------------------------------------------|------------------------|------------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV<br>STD | 4.08                   | 3.93                   |
|     |        | LOWER LIMIT                                                              | 3.88                   | 3.73                   |
|     |        | UPPER LIMIT                                                              | 4.28                   | 4.13                   |
| 016 | BLANK  | QC1135622                                                                | 4.08                   | 3.93                   |
| 017 | LCS    | QC1135623                                                                | 4.08                   | 3.93                   |
| 018 | MS     | QC1135624                                                                | 4.08                   | 3.93                   |
| 019 | MSD    | QC1135625                                                                | 4.08                   | 3.93                   |
| 020 | BLANK  | QC1135622                                                                | 4.08                   | 3.93                   |
| 021 | LCS    | QC1135623                                                                | 4.08                   | 3.93                   |
| 025 | SAMPLE | 504073-013                                                               | 4.08                   | 3.93                   |
| 026 | SAMPLE | 504073-015                                                               | 4.08                   | 3.93                   |
| 027 | SAMPLE | 504073-017                                                               | 4.08                   | 3.93                   |
| 028 | BLANK  | QC1135969                                                                | 4.08                   | 3.93                   |
| 029 | LCS    | QC1135970                                                                | 4.08                   | 3.93                   |
| 030 | MS     | QC1135971                                                                | 4.08                   | 3.93                   |
| 031 | MSD    | QC1135972                                                                | 4.08                   | 3.93                   |
| 032 | MSS    | 503433-002                                                               | 4.08                   | 3.93                   |
| 033 | SAMPLE | 503433-004                                                               | 4.08                   | 3.93                   |
| 034 | SAMPLE | 503433-007                                                               | 4.08                   | 3.93                   |
| 035 | SAMPLE | 503433-010                                                               | 4.08                   | 3.93                   |
| 036 | SAMPLE | 503433-022                                                               | 4.08                   | 3.93                   |
| 037 | SAMPLE | 503433-024                                                               | 4.08                   | 3.93                   |

Date: 03/13/24  
Sequence: SVOA-GC06 gc06\_031324

Reference: gc06\_031324013  
Analyzed: 03/13/24 12:54

| #   | Type   | Sample ID                                                         | 1BR2NITROBZ1254<br>B | 1BR2NITROBZ1254<br>A |
|-----|--------|-------------------------------------------------------------------|----------------------|----------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV | 33849932             | 3089651              |
|     |        | STD                                                               |                      |                      |
|     |        | LOWER LIMIT                                                       | 16924966             | 1544825              |
|     |        | UPPER LIMIT                                                       | 67699864             | 6179302              |
| 016 | BLANK  | QC1135622                                                         |                      |                      |
| 020 | BLANK  | QC1135622                                                         |                      |                      |
| 025 | SAMPLE | 504073-013                                                        |                      |                      |
| 026 | SAMPLE | 504073-015                                                        |                      |                      |
| 027 | SAMPLE | 504073-017                                                        |                      |                      |
| 028 | BLANK  | QC1135969                                                         |                      |                      |
| 032 | MSS    | 503433-002                                                        | 23455364             | 2161864              |
| 033 | SAMPLE | 503433-004                                                        | 24079652             | 2178326              |
| 034 | SAMPLE | 503433-007                                                        | 24335999             | 2150584              |
| 035 | SAMPLE | 503433-010                                                        |                      |                      |
| 036 | SAMPLE | 503433-022                                                        |                      |                      |
| 037 | SAMPLE | 503433-024                                                        |                      |                      |
| 051 | SAMPLE | 503512-016                                                        |                      |                      |
| 051 | SAMPLE | 503512-016                                                        |                      |                      |
| 052 | SAMPLE | 503512-017                                                        |                      |                      |
| 052 | SAMPLE | 503512-017                                                        |                      |                      |
| 053 | SAMPLE | 503512-018                                                        |                      |                      |
| 053 | SAMPLE | 503512-018                                                        |                      |                      |
| 054 | MSS    | 503512-019                                                        |                      |                      |
| 054 | MSS    | 503512-019                                                        |                      |                      |
| 055 | MSS    | 503512-020                                                        |                      |                      |
| 055 | MSS    | 503512-020                                                        |                      |                      |
| 056 | BLANK  | QC1136046                                                         |                      |                      |
| 058 | SAMPLE | 503512-011                                                        |                      |                      |
| 059 | SAMPLE | 503512-012                                                        |                      |                      |

Date: 03/13/24  
Sequence: SVOA-GC06 gc06\_031324

Reference: gc06\_031324013  
Analyzed: 03/13/24 12:54

| #   | Type   | Sample ID                                                         | 1BR2NITROBZ1254<br>B RT | 1BR2NITROBZ1254<br>A RT |
|-----|--------|-------------------------------------------------------------------|-------------------------|-------------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV | 4.08                    | 3.93                    |
|     |        | STD                                                               |                         |                         |
|     |        | LOWER LIMIT                                                       | 3.88                    | 3.73                    |
|     |        | UPPER LIMIT                                                       | 4.28                    | 4.13                    |
| 016 | BLANK  | QC1135622                                                         |                         |                         |
| 020 | BLANK  | QC1135622                                                         |                         |                         |
| 025 | SAMPLE | 504073-013                                                        |                         |                         |
| 026 | SAMPLE | 504073-015                                                        |                         |                         |
| 027 | SAMPLE | 504073-017                                                        |                         |                         |
| 028 | BLANK  | QC1135969                                                         |                         |                         |
| 032 | MSS    | 503433-002                                                        | 4.08                    | 3.93                    |
| 033 | SAMPLE | 503433-004                                                        | 4.08                    | 3.93                    |
| 034 | SAMPLE | 503433-007                                                        | 4.08                    | 3.93                    |
| 035 | SAMPLE | 503433-010                                                        |                         |                         |
| 036 | SAMPLE | 503433-022                                                        |                         |                         |
| 037 | SAMPLE | 503433-024                                                        |                         |                         |
| 051 | SAMPLE | 503512-016                                                        |                         |                         |
| 052 | SAMPLE | 503512-017                                                        |                         |                         |
| 053 | SAMPLE | 503512-018                                                        |                         |                         |
| 054 | MSS    | 503512-019                                                        |                         |                         |
| 055 | MSS    | 503512-020                                                        |                         |                         |
| 056 | BLANK  | QC1136046                                                         |                         |                         |
| 058 | SAMPLE | 503512-011                                                        |                         |                         |
| 059 | SAMPLE | 503512-012                                                        |                         |                         |

Instrument: SVOA-GC06  
Method: EPA 8081A, EPA 8082

Begun: 03/07/24 09:00

| #   | File           | Type    | Sample ID  | Matrix   | Batch  | Analyzed       | IDF  | Stds Used |                     |
|-----|----------------|---------|------------|----------|--------|----------------|------|-----------|---------------------|
| 002 | gc06_030724002 | PEM     |            |          |        | 03/07/24 09:00 | 1.0  | 1         |                     |
| 003 | gc06_030724003 | CCV     |            |          |        | 03/07/24 09:19 | 1.0  | 2         |                     |
| 004 | gc06_030724004 | CCV     |            |          |        | 03/07/24 09:40 | 1.0  | 3         |                     |
| 005 | gc06_030724005 | LCS     | QC1134041  | Soil     | 334664 | 03/07/24 10:00 | 1.0  | 4         |                     |
| 006 | gc06_030724006 | CCV     |            |          |        | 03/07/24 10:20 | 1.0  | 3         |                     |
| 007 | gc06_030724007 | CCV     |            |          |        | 03/07/24 12:07 | 1.0  | 5         |                     |
| 009 | gc06_030724009 | ICAL    |            |          |        | 03/07/24 13:33 | 1.0  | 6         |                     |
| 010 | gc06_030724010 | ICAL    |            |          |        | 03/07/24 13:53 | 1.0  | 7         |                     |
| 011 | gc06_030724011 | ICAL    |            |          |        | 03/07/24 14:12 | 1.0  | 8         |                     |
| 012 | gc06_030724012 | ICAL    |            |          |        | 03/07/24 14:33 | 1.0  | 9         |                     |
| 013 | gc06_030724013 | ICAL    |            |          |        | 03/07/24 14:53 | 1.0  | 10        |                     |
| 014 | gc06_030724014 | ICAL    |            |          |        | 03/07/24 15:13 | 1.0  | 5         |                     |
| 015 | gc06_030724015 | ICAL    |            |          |        | 03/07/24 15:32 | 1.0  | 11        |                     |
| 016 | gc06_030724016 | ICAL    |            |          |        | 03/07/24 15:53 | 1.0  | 12        |                     |
| 017 | gc06_030724017 | ICAL    |            |          |        | 03/07/24 16:13 | 1.0  | 13        |                     |
| 018 | gc06_030724018 | ICAL    |            |          |        | 03/07/24 16:32 | 1.0  | 14        |                     |
| 020 | gc06_030724020 | ICV/CCV |            |          |        | 03/07/24 17:13 | 1.0  | 15        |                     |
| 026 | gc06_030724026 | PEM     |            |          |        | 03/07/24 20:02 | 1.0  | 1         |                     |
| 027 | gc06_030724027 | CCV     |            |          |        | 03/07/24 20:22 | 1.0  | 2         |                     |
| 035 | gc06_030724035 | SAMPLE  | 503133-012 | Soil     | 334678 | 03/07/24 22:49 | 1.0  | 4         |                     |
| 036 | gc06_030724036 | SAMPLE  | 503133-013 | Soil     | 334678 | 03/07/24 23:10 | 1.0  | 4         |                     |
| 037 | gc06_030724037 | SAMPLE  | 503133-014 | Soil     | 334678 | 03/07/24 23:30 | 1.0  | 4         |                     |
| 038 | gc06_030724038 | SAMPLE  | 503133-015 | Soil     | 334678 | 03/07/24 23:50 | 1.0  | 4         |                     |
| 039 | gc06_030724039 | SAMPLE  | 503133-016 | Soil     | 334678 | 03/08/24 00:10 | 1.0  | 4         |                     |
| 040 | gc06_030724040 | SAMPLE  | 503133-008 | Soil     | 334678 | 03/08/24 00:29 | 2.0  | 4         |                     |
| 041 | gc06_030724041 | SAMPLE  | 503133-010 | Soil     | 334678 | 03/08/24 00:50 | 2.0  | 4         |                     |
| 042 | gc06_030724042 | BLANK   | QC1134159  | Soil     | 334687 | 03/08/24 01:09 | 1.0  | 4         |                     |
| 043 | gc06_030724043 | LCS     | QC1134160  | Soil     | 334687 | 03/08/24 01:29 | 1.0  | 4         |                     |
| 044 | gc06_030724044 | MS      | QC1134321  | Soil     | 334687 | 03/08/24 01:48 | 1.0  | 4         |                     |
| 045 | gc06_030724045 | MSD     | QC1134322  | Soil     | 334687 | 03/08/24 02:08 | 1.0  | 4         |                     |
| 046 | gc06_030724046 | MSS     | 503128-048 | Soil     | 334687 | 03/08/24 02:28 | 1.0  | 4         |                     |
| 047 | gc06_030724047 | SAMPLE  | 503128-049 | Soil     | 334687 | 03/08/24 02:48 | 1.0  | 4         |                     |
| 048 | gc06_030724048 | SAMPLE  | 503577-001 | Miscell. | 334687 | 03/08/24 03:09 | 2.0  | 4         |                     |
| 049 | gc06_030724049 | SAMPLE  | 503577-002 | Miscell. | 334687 | 03/08/24 03:30 | 2.0  | 4         |                     |
| 050 | gc06_030724050 | SAMPLE  | 503577-003 | Miscell. | 334687 | 03/08/24 03:51 | 10.0 | 4         | 7:PCB1260#5=4200000 |
| 051 | gc06_030724051 | SAMPLE  | 503577-004 | Miscell. | 334687 | 03/08/24 04:10 | 2.0  | 4         | 6:PCB1260#4=7700    |
| 052 | gc06_030724052 | SAMPLE  | 503577-005 | Miscell. | 334687 | 03/08/24 04:30 | 2.0  | 4         | 7:PCB1260#5=75000   |
| 053 | gc06_030724053 | SAMPLE  | 503577-006 | Miscell. | 334687 | 03/08/24 04:50 | 10.0 | 4         | 6:PCB1260#5=12000   |
| 055 | gc06_030724055 | CCV     |            |          |        | 03/08/24 05:31 | 1.0  | 3         |                     |

TRN 03/08/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 55.

Standards Used:

1=S19911 2=S20164 3=S20167 4=S19190 5=S19340 6=S19328 7=S19330 8=S19332 9=S19333 10=S19335 11=S19336 12=S19337 13=S19338 14=S19339 15=S19897

Instrument: SVOA-GC06

Begun: 03/12/24 08:02

Method: EPA 8081A, EPA 8082

| #   | File           | Type    | Sample ID    | Matrix        | Batch  | Analyzed       | IDF | Std's Used |  |
|-----|----------------|---------|--------------|---------------|--------|----------------|-----|------------|--|
| 002 | gc06_031224002 | PEM     |              |               |        | 03/12/24 08:02 | 1.0 | 1          |  |
| 003 | gc06_031224003 | CCV     |              |               |        | 03/12/24 08:23 | 1.0 | 2          |  |
| 004 | gc06_031224004 | CCV     |              |               |        | 03/12/24 08:42 | 1.0 | 3          |  |
| 027 | gc06_031224027 | ICAL    |              |               |        | 03/12/24 09:27 | 1.0 | 4          |  |
| 030 | gc06_031224030 | BLANK   | QC1135511    | Wipe          | 335088 | 03/12/24 10:27 | 1.0 | 5          |  |
| 031 | gc06_031224031 | BS      | QC1135512    | Wipe          | 335088 | 03/12/24 10:48 | 1.0 | 5          |  |
| 032 | gc06_031224032 | BSD     | QC1135513    | Wipe          | 335088 | 03/12/24 11:08 | 1.0 | 5          |  |
| 033 | gc06_031224033 | SAMPLE  | 503558-001   | Wipe          | 335088 | 03/12/24 11:28 | 1.0 | 5          |  |
| 034 | gc06_031224034 | SAMPLE  | 503558-003   | Wipe          | 335088 | 03/12/24 11:48 | 1.0 | 5          |  |
| 035 | gc06_031224035 | BS      | QC1135512    | Wipe          | 335088 | 03/12/24 12:08 | 1.0 | 5          |  |
| 036 | gc06_031224036 | BSD     | QC1135513    | Wipe          | 335088 | 03/12/24 12:28 | 1.0 | 5          |  |
| 037 | gc06_031224037 | SAMPLE  | 503558-004   | Wipe          | 335088 | 03/12/24 12:47 | 1.0 | 5          |  |
| 038 | gc06_031224038 | SAMPLE  | 503558-006   | Wipe          | 335088 | 03/12/24 13:07 | 1.0 | 5          |  |
| 039 | gc06_031224039 | SAMPLE  | 503558-008   | Wipe          | 335088 | 03/12/24 13:26 | 1.0 | 5          |  |
| 040 | gc06_031224040 | SAMPLE  | 503558-012   | Wipe          | 335088 | 03/12/24 13:47 | 1.0 | 5          |  |
| 041 | gc06_031224041 | SAMPLE  | 504073-001   | Wipe          | 335088 | 03/12/24 14:07 | 1.0 | 5          |  |
| 042 | gc06_031224042 | SAMPLE  | 504073-004   | Wipe          | 335088 | 03/12/24 14:26 | 1.0 | 5          |  |
| 043 | gc06_031224043 | SAMPLE  | 504073-006   | Wipe          | 335088 | 03/12/24 14:46 | 1.0 | 5          |  |
| 044 | gc06_031224044 | SAMPLE  | 504073-007   | Wipe          | 335088 | 03/12/24 15:06 | 1.0 | 5          |  |
| 045 | gc06_031224045 | SAMPLE  | 504073-009   | Wipe          | 335088 | 03/12/24 15:25 | 1.0 | 5          |  |
| 046 | gc06_031224046 | SAMPLE  | 504073-011   | Wipe          | 335088 | 03/12/24 15:46 | 1.0 | 5          |  |
| 047 | gc06_031224047 | SAMPLE  | 504073-013   | Wipe          | 335088 | 03/12/24 16:06 | 1.0 | 5          |  |
| 048 | gc06_031224048 | SAMPLE  | 504073-015   | Wipe          | 335088 | 03/12/24 16:26 | 1.0 | 5          |  |
| 049 | gc06_031224049 | SAMPLE  | 504073-017   | Wipe          | 335088 | 03/12/24 16:46 | 1.0 | 5          |  |
| 050 | gc06_031224050 | SAMPLE  | 504073-019   | Wipe          | 335088 | 03/12/24 17:07 | 1.0 | 5          |  |
| 051 | gc06_031224051 | SAMPLE  | 504073-021   | Wipe          | 335088 | 03/12/24 17:26 | 1.0 | 5          |  |
| 052 | gc06_031224052 | SAMPLE  | 504073-023   | Wipe          | 335088 | 03/12/24 17:46 | 1.0 | 5          |  |
| 054 | gc06_031224054 | PEM     |              |               |        | 03/12/24 18:25 | 1.0 | 1          |  |
| 055 | gc06_031224055 | CCV     |              |               |        | 03/12/24 18:45 | 1.0 | 2          |  |
| 056 | gc06_031224056 | CCV     |              |               |        | 03/12/24 19:04 | 1.0 | 3          |  |
| 057 | gc06_031224057 | BLANK   | QC1135905    | TCLP Leachate | 335178 | 03/12/24 20:45 | 1.0 | 5          |  |
| 058 | gc06_031224058 | BS      | QC1135906    | TCLP Leachate | 335178 | 03/12/24 21:05 | 1.0 | 5          |  |
| 059 | gc06_031224059 | BSD     | QC1135907    | TCLP Leachate | 335178 | 03/12/24 21:24 | 1.0 | 5          |  |
| 060 | gc06_031224060 | BLANK   | QC1135909    | TCLP Leachate | 335178 | 03/12/24 21:45 | 1.0 | 5          |  |
| 061 | gc06_031224061 | MSS     | 503684-001   | TCLP Leachate | 335178 | 03/12/24 22:05 | 1.0 | 5          |  |
| 062 | gc06_031224062 | SSPIKE  | QC1135908    | TCLP Leachate | 335178 | 03/12/24 22:24 | 1.0 | 5          |  |
| 063 | gc06_031224063 | SAMPLE  | 503684-002   | TCLP Leachate | 335178 | 03/12/24 22:44 | 1.0 | 5          |  |
| 064 | gc06_031224064 | SAMPLE  | 503684-003   | TCLP Leachate | 335178 | 03/12/24 23:03 | 1.0 | 5          |  |
| 065 | gc06_031224065 | SAMPLE  | 503520-001   | TCLP Leachate | 335178 | 03/12/24 23:24 | 1.0 | 5          |  |
| 066 | gc06_031224066 | UNKNOWN |              |               |        | 03/12/24 23:43 | 1.0 | 5          |  |
| 067 | gc06_031224067 | UNKNOWN | 8081 W MDL 1 |               |        | 03/13/24 00:03 | 1.0 | 5          |  |
| 068 | gc06_031224068 | UNKNOWN | 8081 W MDL 2 |               |        | 03/13/24 00:22 | 1.0 | 5          |  |
| 069 | gc06_031224069 | BLANK   | QC1135771    | Soil          | 335176 | 03/13/24 00:42 | 1.0 | 5          |  |
| 070 | gc06_031224070 | LCS     | QC1135772    | Soil          | 335176 | 03/13/24 01:02 | 1.0 | 5          |  |
| 071 | gc06_031224071 | MSS     | 504094-005   | Soil          | 335176 | 03/13/24 01:22 | 1.0 | 5          |  |
| 072 | gc06_031224072 | MS      | QC1135773    | Soil          | 335176 | 03/13/24 01:43 | 1.0 | 5          |  |
| 073 | gc06_031224073 | MSD     | QC1135774    | Soil          | 335176 | 03/13/24 02:04 | 1.0 | 5          |  |
| 074 | gc06_031224074 | LCS     | QC1135775    | Soil          | 335176 | 03/13/24 02:23 | 1.0 | 5          |  |
| 075 | gc06_031224075 | MSS     | 503799-001   | Soil          | 335176 | 03/13/24 02:43 | 1.0 | 5          |  |
| 076 | gc06_031224076 | MS      | QC1135776    | Soil          | 335176 | 03/13/24 03:04 | 1.0 | 5          |  |
| 077 | gc06_031224077 | MSD     | QC1135777    | Soil          | 335176 | 03/13/24 03:24 | 1.0 | 5          |  |
| 078 | gc06_031224078 | SAMPLE  | 503584-001   | Soil          | 335176 | 03/13/24 03:44 | 5.0 | 5          |  |

MES 03/12/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 40.



Instrument: SVOA-GC06

Begun: 03/12/24 08:02

Method: EPA 8081A, EPA 8082

MES 03/13/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 41 through 77.

*Standards Used:*

1=S19911 2=S20164 3=S20167 4=S19319 5=S19190

Instrument: SVOA-GC06  
Method: EPA 8081A, EPA 8082

Begun: 03/13/24 09:20

| #   | File           | Type   | Sample ID  | Matrix           | Batch  | Analyzed          | IDF | Stds Used |                  |
|-----|----------------|--------|------------|------------------|--------|-------------------|-----|-----------|------------------|
| 002 | gc06_031324002 | PEM    |            |                  |        | 03/13/24<br>09:20 | 1.0 | 1         |                  |
| 003 | gc06_031324003 | CCV    |            |                  |        | 03/13/24<br>09:41 | 1.0 | 2         |                  |
| 004 | gc06_031324004 | CCV    |            |                  |        | 03/13/24<br>10:00 | 1.0 | 3         |                  |
| 005 | gc06_031324005 | CCV    |            |                  |        | 03/13/24<br>10:21 | 1.0 | 4         |                  |
| 006 | gc06_031324006 | ICAL   |            |                  |        | 03/13/24<br>10:40 | 1.0 | 5         |                  |
| 007 | gc06_031324007 | SAMPLE | 503684-002 | TCLP<br>Leachate | 335178 | 03/13/24<br>11:00 | 1.0 | 6         |                  |
| 008 | gc06_031324008 | SAMPLE | 503584-001 | Soil             | 335176 | 03/13/24<br>11:20 | 5.0 | 6         |                  |
| 009 | gc06_031324009 | CCV    |            |                  |        | 03/13/24<br>11:40 | 1.0 | 7         |                  |
| 013 | gc06_031324013 | ICAL   |            |                  |        | 03/13/24<br>12:54 | 1.0 | 8         |                  |
| 016 | gc06_031324016 | BLANK  | QC1135622  | Miscell.         | 335129 | 03/13/24<br>13:53 | 1.0 | 6         |                  |
| 017 | gc06_031324017 | LCS    | QC1135623  | Miscell.         | 335129 | 03/13/24<br>14:14 | 1.0 | 6         |                  |
| 018 | gc06_031324018 | MS     | QC1135624  | Soil             | 335129 | 03/13/24<br>14:34 | 1.0 | 6         |                  |
| 019 | gc06_031324019 | MSD    | QC1135625  | Soil             | 335129 | 03/13/24<br>14:53 | 1.0 | 6         |                  |
| 020 | gc06_031324020 | BLANK  | QC1135622  | Miscell.         | 335129 | 03/13/24<br>15:13 | 1.0 | 6         |                  |
| 021 | gc06_031324021 | LCS    | QC1135623  | Miscell.         | 335129 | 03/13/24<br>15:34 | 1.0 | 6         |                  |
| 025 | gc06_031324025 | SAMPLE | 504073-013 | Wipe             | 335088 | 03/13/24<br>16:53 | 1.0 | 6         |                  |
| 026 | gc06_031324026 | SAMPLE | 504073-015 | Wipe             | 335088 | 03/13/24<br>17:12 | 1.0 | 6         |                  |
| 027 | gc06_031324027 | SAMPLE | 504073-017 | Wipe             | 335088 | 03/13/24<br>17:32 | 1.0 | 6         |                  |
| 028 | gc06_031324028 | BLANK  | QC1135969  | Soil             | 335191 | 03/13/24<br>17:52 | 1.0 | 6         |                  |
| 029 | gc06_031324029 | LCS    | QC1135970  | Soil             | 335191 | 03/13/24<br>18:11 | 1.0 | 6         |                  |
| 030 | gc06_031324030 | MS     | QC1135971  | Soil             | 335191 | 03/13/24<br>18:31 | 2.0 | 6         |                  |
| 031 | gc06_031324031 | MSD    | QC1135972  | Soil             | 335191 | 03/13/24<br>18:50 | 2.0 | 6         |                  |
| 032 | gc06_031324032 | MSS    | 503433-002 | Soil             | 335191 | 03/13/24<br>19:10 | 2.0 | 6         |                  |
| 033 | gc06_031324033 | SAMPLE | 503433-004 | Soil             | 335191 | 03/13/24<br>19:29 | 2.0 | 6         |                  |
| 034 | gc06_031324034 | SAMPLE | 503433-007 | Soil             | 335191 | 03/13/24<br>19:49 | 2.0 | 6         | 2:PCB1260#5=2300 |
| 035 | gc06_031324035 | SAMPLE | 503433-010 | Soil             | 335191 | 03/13/24<br>20:09 | 2.0 | 6         |                  |
| 036 | gc06_031324036 | SAMPLE | 503433-022 | Soil             | 335191 | 03/13/24<br>20:28 | 2.0 | 6         |                  |
| 037 | gc06_031324037 | SAMPLE | 503433-024 | Soil             | 335191 | 03/13/24<br>20:48 | 2.0 | 6         |                  |
| 042 | gc06_031324042 | PEM    |            |                  |        | 03/13/24<br>22:25 | 1.0 | 1         |                  |

Instrument: SVOA-GC06  
 Method: EPA 8081A, EPA 8082

Begun: 03/13/24 09:20

| #   | File           | Type   | Sample ID  | Matrix | Batch  | Analyzed          | IDF | Stds Used |  |
|-----|----------------|--------|------------|--------|--------|-------------------|-----|-----------|--|
| 043 | gc06_031324043 | CCV    |            |        |        | 03/13/24<br>22:45 | 1.0 | 2         |  |
| 044 | gc06_031324044 | CCV    |            |        |        | 03/13/24<br>23:04 | 1.0 | 3         |  |
| 045 | gc06_031324045 | ICAL   |            |        |        | 03/13/24<br>23:24 | 1.0 | 5         |  |
| 051 | gc06_031324051 | SAMPLE | 503512-016 | Soil   | 335259 | 03/14/24<br>01:21 | 1.0 | 6         |  |
| 052 | gc06_031324052 | SAMPLE | 503512-017 | Soil   | 335259 | 03/14/24<br>01:40 | 1.0 | 6         |  |
| 053 | gc06_031324053 | SAMPLE | 503512-018 | Soil   | 335259 | 03/14/24<br>02:00 | 1.0 | 6         |  |
| 054 | gc06_031324054 | MSS    | 503512-019 | Soil   | 335259 | 03/14/24<br>02:19 | 1.0 | 6         |  |
| 055 | gc06_031324055 | MSS    | 503512-020 | Soil   | 335259 | 03/14/24<br>02:38 | 1.0 | 6         |  |
| 056 | gc06_031324056 | BLANK  | QC1136046  | Soil   | 335259 | 03/14/24<br>02:58 | 1.0 | 6         |  |
| 057 | gc06_031324057 | LCS    | QC1136050  | Soil   | 335259 | 03/14/24<br>03:17 | 1.0 | 6         |  |
| 058 | gc06_031324058 | SAMPLE | 503512-011 | Soil   | 335259 | 03/14/24<br>03:36 | 5.0 | 6         |  |
| 059 | gc06_031324059 | SAMPLE | 503512-012 | Soil   | 335259 | 03/14/24<br>03:55 | 5.0 | 6         |  |

TRN 03/13/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs ??? through 21.

MES 03/14/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 25 through 59.

*Standards Used:*

1=S19911 2=S20164 3=S20167 4=S19340 5=S19760 6=S19190 7=S20216 8=S19319

SAMPLE PREPARATION SUMMARY

|                 |                              |                  |
|-----------------|------------------------------|------------------|
| Batch #: 335088 | Prep Date: 11-MAR-2024 15:06 | Started By: RAC  |
| Analysis: 8080  | Method: 3546                 | Finished By: RMC |

| Sample          | Matrix | Initial | Final | Prep DF | pH | Spike S20126 | Spike S19976 | Analysis      |
|-----------------|--------|---------|-------|---------|----|--------------|--------------|---------------|
| 503558-001      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 503558-003      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 503558-004      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 503558-006      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 503558-008      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 503558-012      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-001      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-004      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-006      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-007      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-009      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-011      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-013      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-015      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-017      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-019      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-021      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| 504073-023      | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | PCB-MICROWAVE |
| QC1135511 BLANK | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        |              | 8080          |
| QC1135512 BS    | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        | .5 mL        | 8080          |
| QC1135513 BSD   | Wipe   | 1 dm2   | 10 mL | 10.0    |    | .5 mL        | .5 mL        | 8080          |

**Analyst:** MES 03/12/24

**Reviewer:** MTS 03/12/24

# 8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 3/11/24 15:06 Initials: RAC  
Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: 1 608.3 QC Batch#:           
Hotblock Temp (Obs/Corr), °C: N/A /          8081 QC Batch #:           
Balance ID: N/A Microdispenser ID: Syringe 8082 QC Batch #: 33508  
Extraction Start Time\*: 15:24 Extraction end time\*: 16:09

\* For hot block, microwave, shaker table

[illegible]

Methylene Chloride Lot: N/A  
Exchange Solvent (Hexane) ID: 520080  
Acetone-Hexane Mix ID: N/A  
Sodium Sulfate Lot: 231469  
Baked Sand Lot: N/A

|                       |        |         |     |    |
|-----------------------|--------|---------|-----|----|
| Surrogate ID:         | 520128 | Volume: | 500 | μL |
| Pest LCS Spike ID:    | 519976 | Volume: | 500 | μL |
| PCB LCS Spike ID:     |        | Volume: |     | μL |
| Pest MS/MSD Spike ID: |        | Volume: |     | μL |
| PCB MS/MSD Spike ID:  |        | Volume: |     | μL |

# 8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 3/11/24 15:06 Initials: RAC / KTW  
 Hotblock ID: N/A Therm Loc: VIA Therm ID/CF: / 608.3 QC Batch#:   
 Hotblock Temp (Obs/Corr), °C: VIA / 6081 QC Batch #:   
 Balance ID: N/A Microdispenser ID: Syringe 6082 QC Batch #: 335088  
 Extraction Start Time\*: 15:24 Extraction end time\*: 16:09  
 \* For hot block, microwave, shaker table

| Sample ID | Cont. ID | Sample Initial Amount<br>Circle one:<br>mL g | LCS ID | Extraction Equipment ID<br>(Sox, Sonic, Shaker) | Turbo Vap ID | Extract, Final Volume (mL) | Date/Time<br>(if diff from above) | Comment                                                            |
|-----------|----------|----------------------------------------------|--------|-------------------------------------------------|--------------|----------------------------|-----------------------------------|--------------------------------------------------------------------|
| Blank     |          | <u>1.5</u> <sup>g</sup> m <sup>2</sup>       |        | <u>Micro3-9</u>                                 | <u>TV06</u>  | <u>10.0</u>                |                                   |                                                                    |
| LCS       |          | <u>MS</u><br><u>3/12/24</u>                  |        | <u>19</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| LCS0      |          |                                              |        | <u>11</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 503558-1  | <u>A</u> |                                              |        | <u>12</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 3         | <u>1</u> |                                              |        | <u>13</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 4         | <u>1</u> |                                              |        | <u>14</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 6         | <u>1</u> |                                              |        | <u>15</u>                                       | <u>TV05</u>  | <u>1</u>                   |                                   |                                                                    |
| 8         | <u>1</u> |                                              |        | <u>16</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 12        | <u>1</u> |                                              |        | <u>17</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 504073-1  |          |                                              |        | <u>18</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 4         | <u>1</u> |                                              |        | <u>19</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 6         | <u>1</u> |                                              |        | <u>20</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 7         | <u>1</u> |                                              |        | <u>21</u>                                       | <u>TV06</u>  | <u>1</u>                   |                                   |                                                                    |
| 9         | <u>1</u> |                                              |        | <u>22</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 11        | <u>1</u> |                                              |        | <u>23</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 13        | <u>1</u> |                                              |        | <u>24</u>                                       | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 15        | <u>1</u> |                                              |        | <u>1</u>                                        | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 17        | <u>1</u> |                                              |        | <u>2</u>                                        | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 19        | <u>1</u> |                                              |        | <u>4</u>                                        | <u>TV05</u>  | <u>1</u>                   |                                   |                                                                    |
| 21        | <u>1</u> |                                              |        | <u>5</u>                                        | <u>1</u>     | <u>1</u>                   |                                   |                                                                    |
| 23        | <u>1</u> |                                              |        | <u>7</u>                                        | <u>1</u>     | <u>1</u>                   |                                   | Doesn't look to be a garage wipe, looks like regular Kleenex Wipe. |

Methylene Chloride Lot: N/A MS 3/12/24 Surrogate ID: 520126 Volume: 500 µL  
 Exchange Solvent (Hexane) ID: 520080 Pest LCS Spike ID: 519976 Volume: 500 µL  
 Acetone-Hexane Mix ID: N/A PCB LCS Spike ID: 519976 Volume: 500 µL  
 Sodium Sulfate Lot: 231469 Pest MS/MSD Spike ID:  Volume:  µL  
 Baked Sand Lot: N/A PCB MS/MSD Spike ID:  Volume:  µL



# REPORTING SUMMARY FOR 504073 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 504073-001 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 14:07 |
| 504073-001 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 14:07 |
|            |                          |           |    |                |
| 504073-004 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 14:26 |
| 504073-004 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 14:26 |
|            |                          |           |    |                |
| 504073-006 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 14:46 |

# REPORTING SUMMARY FOR 504073 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 504073-006 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 14:46 |
| 504073-006 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 14:46 |
|            |                          |           |    |                |
| 504073-007 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 15:06 |
| 504073-007 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 15:06 |
|            |                          |           |    |                |
| 504073-009 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 15:25 |
| 504073-009 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 15:25 |
|            |                          |           |    |                |
| 504073-011 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 15:46 |

# REPORTING SUMMARY FOR 504073 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 504073-011 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 15:46 |
| 504073-011 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 15:46 |
|            |                          |           |    |                |
| 504073-013 | Aroclor-1016             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1221             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1232             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1242             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1248             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1254             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1260             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1262             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Aroclor-1268             | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | TCMX (PCB)               | SVOA-GC06 | B  | 03/13/24 16:53 |
| 504073-013 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 03/13/24 16:53 |
|            |                          |           |    |                |
| 504073-015 | Aroclor-1016             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1221             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1232             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1242             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1248             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1254             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1260             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1262             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Aroclor-1268             | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | TCMX (PCB)               | SVOA-GC06 | B  | 03/13/24 17:12 |
| 504073-015 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 03/13/24 17:12 |
|            |                          |           |    |                |
| 504073-017 | Aroclor-1016             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Aroclor-1221             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Aroclor-1232             | SVOA-GC06 | B  | 03/13/24 17:32 |

# REPORTING SUMMARY FOR 504073 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 504073-017 | Aroclor-1242             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Aroclor-1248             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Aroclor-1254             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Aroclor-1260             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Aroclor-1262             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Aroclor-1268             | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | TCMX (PCB)               | SVOA-GC06 | B  | 03/13/24 17:32 |
| 504073-017 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 03/13/24 17:32 |
|            |                          |           |    |                |
| 504073-019 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 17:07 |
| 504073-019 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 17:07 |
|            |                          |           |    |                |
| 504073-021 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 17:26 |
| 504073-021 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 17:26 |
|            |                          |           |    |                |

# REPORTING SUMMARY FOR 504073 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 504073-023 | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 17:46 |
| 504073-023 | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 17:46 |
|            |                          |           |    |                |
| QC1135511  | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1221             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1232             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1242             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1248             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1254             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1262             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Aroclor-1268             | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 10:27 |
| QC1135511  | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 10:27 |
|            |                          |           |    |                |
| QC1135512  | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 12:08 |
| QC1135512  | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 12:08 |
| QC1135512  | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 12:08 |
| QC1135512  | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 12:08 |
|            |                          |           |    |                |
| QC1135513  | Aroclor-1016             | SVOA-GC06 | A  | 03/12/24 12:28 |
| QC1135513  | Aroclor-1260             | SVOA-GC06 | A  | 03/12/24 12:28 |
| QC1135513  | TCMX (PCB)               | SVOA-GC06 | A  | 03/12/24 12:28 |
| QC1135513  | Decachlorobiphenyl (PCB) | SVOA-GC06 | A  | 03/12/24 12:28 |

### Sample Raw Data



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                             |
|----------------------|----------------------|---------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-001   | Client ID: ARCH-C14W-EXT-1 TO 2-240308-P-WF |
| Seqnum: 454104162041 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                      |
| File: gc06_031224041 | Batch: 335088        | Time: 12-MAR-2024 14:07                     |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                             |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                               |

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

| Analyte               | Ch | Raw   | Result            | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|-------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 372.2 | 3.7 <sup>FP</sup> | 0.43 | 158% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 427.8 | 4.28              | 1.49 | 96%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 10.20 | 0.10              | 0.30 | 98%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 116.3 | 1.16              | 0.11 | 166% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 1276  | 12.76             | 0.17 | 195% |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 30.34 | 0.30              | 0.10 | 104% |      |       |       |
| <b>Aroclor-1221</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | A  | 119.3 | 1.2 <sup>FP</sup> | 0.18 | 148% | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 246.4 | 2.46              | 0.04 | 193% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 4.089 | 0.04              | ND   |      |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 0     | ND                | 0.31 |      |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 242.5 | 2.43              | 0.44 | 139% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 103.5 | 1.04              | 0.10 | 164% |      |       |       |
| <b>Aroclor-1262</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 50.85 | 0.5000 | 0.5085 | 102  | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 45.69 | 0.5000 | 0.4569 | 91   | 19-121 | c- u  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 27588770     | -17.07 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 1988547      | -35.95 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

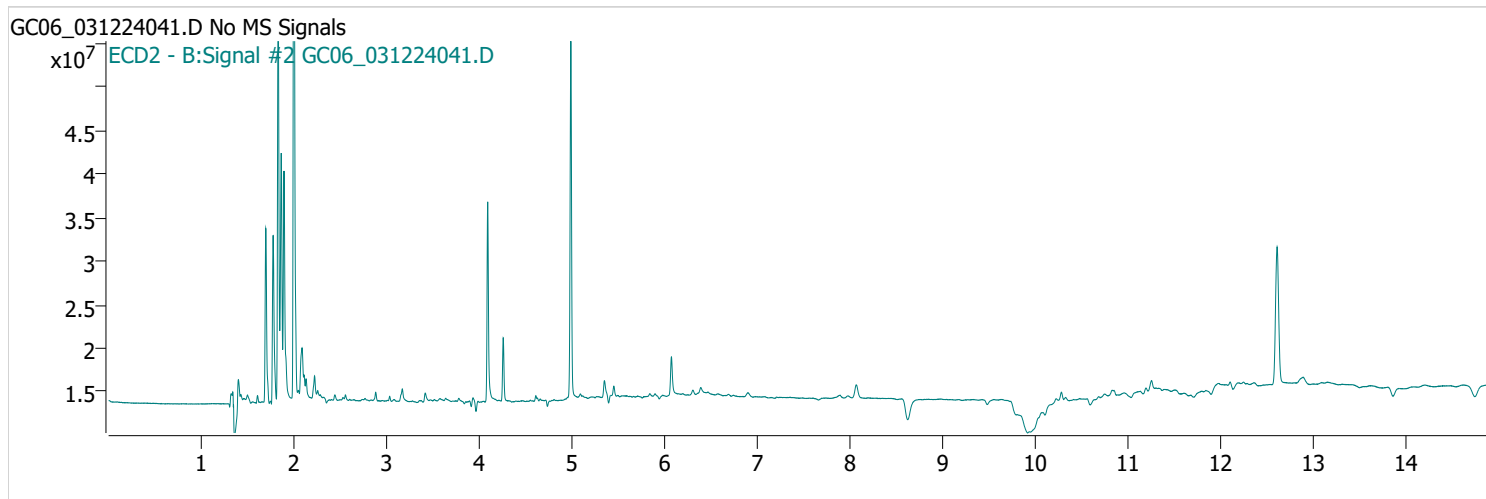
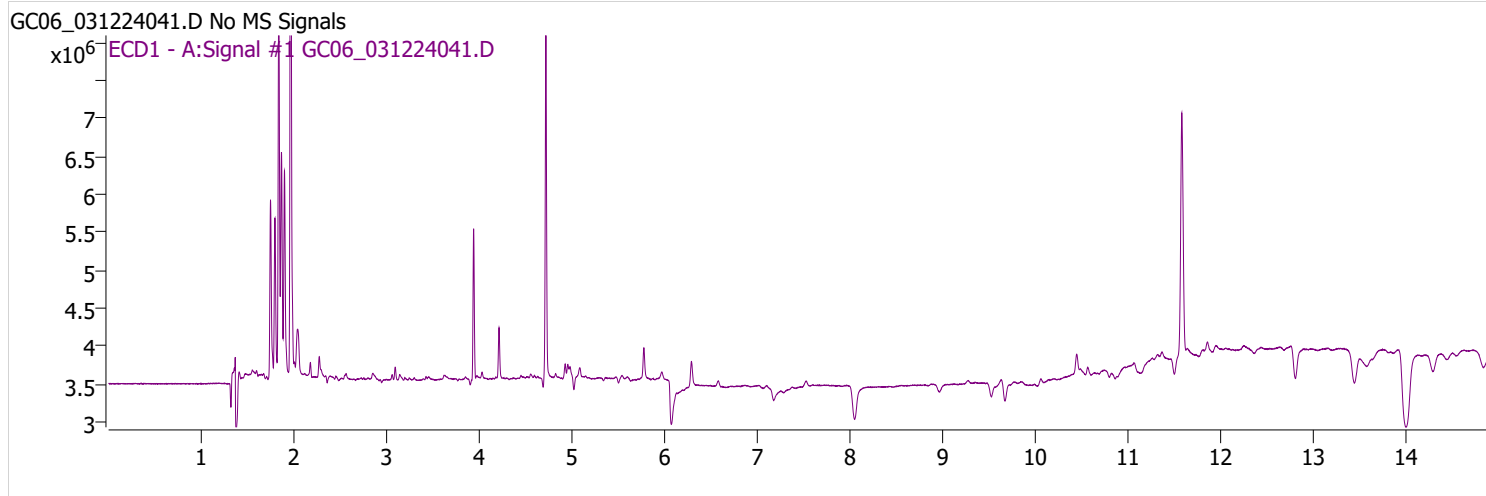
*-=>low bias c=CCV u=use x=false positive*

**Analyst:** MES 03/13/24

**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224041.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 2:07:00 PM |
| Sample Name    | 504073-001, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 10                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 1988546.57<br>1  | 20.0000            | ng/ml | -0.001   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.094                | 0.0  | 27588769.9<br>08 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 4990023.58<br>2  | 50.8481            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 254.24% | *     |          |
| S TCMX (PCB) #2                    | 4.993                | 0.0  | 45753886.4<br>59 | 36.0604            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 180.30% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.591               | 0.0  | 5983906.57<br>5  | 45.6940            | ng/ml | m 0.000  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 228.47% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.620               | 0.0  | 37335385.4<br>85 | 32.5206            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 162.60% | *     |          |

## Target Compounds

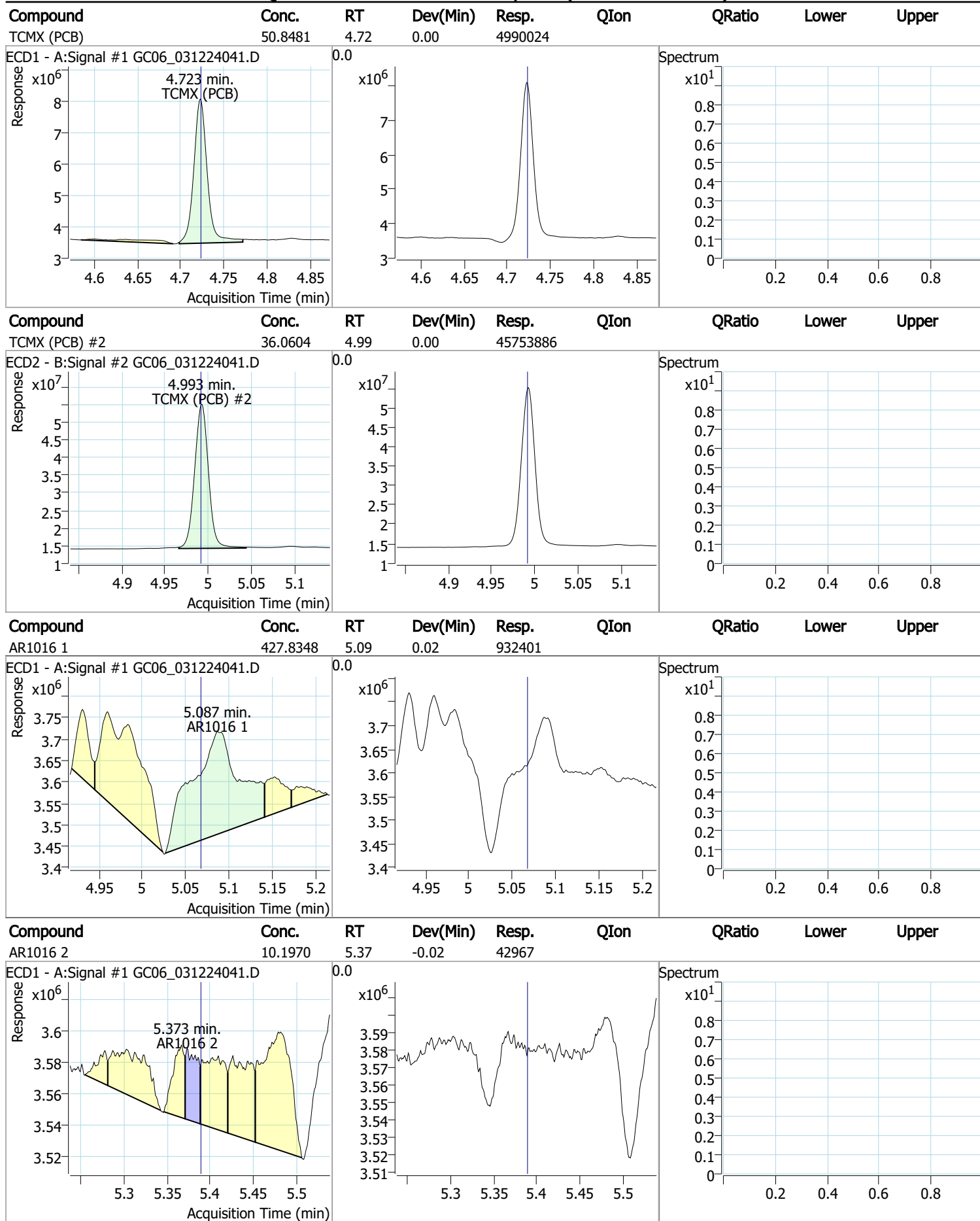
QValue

# Quantitation Results Report (Not Reviewed)

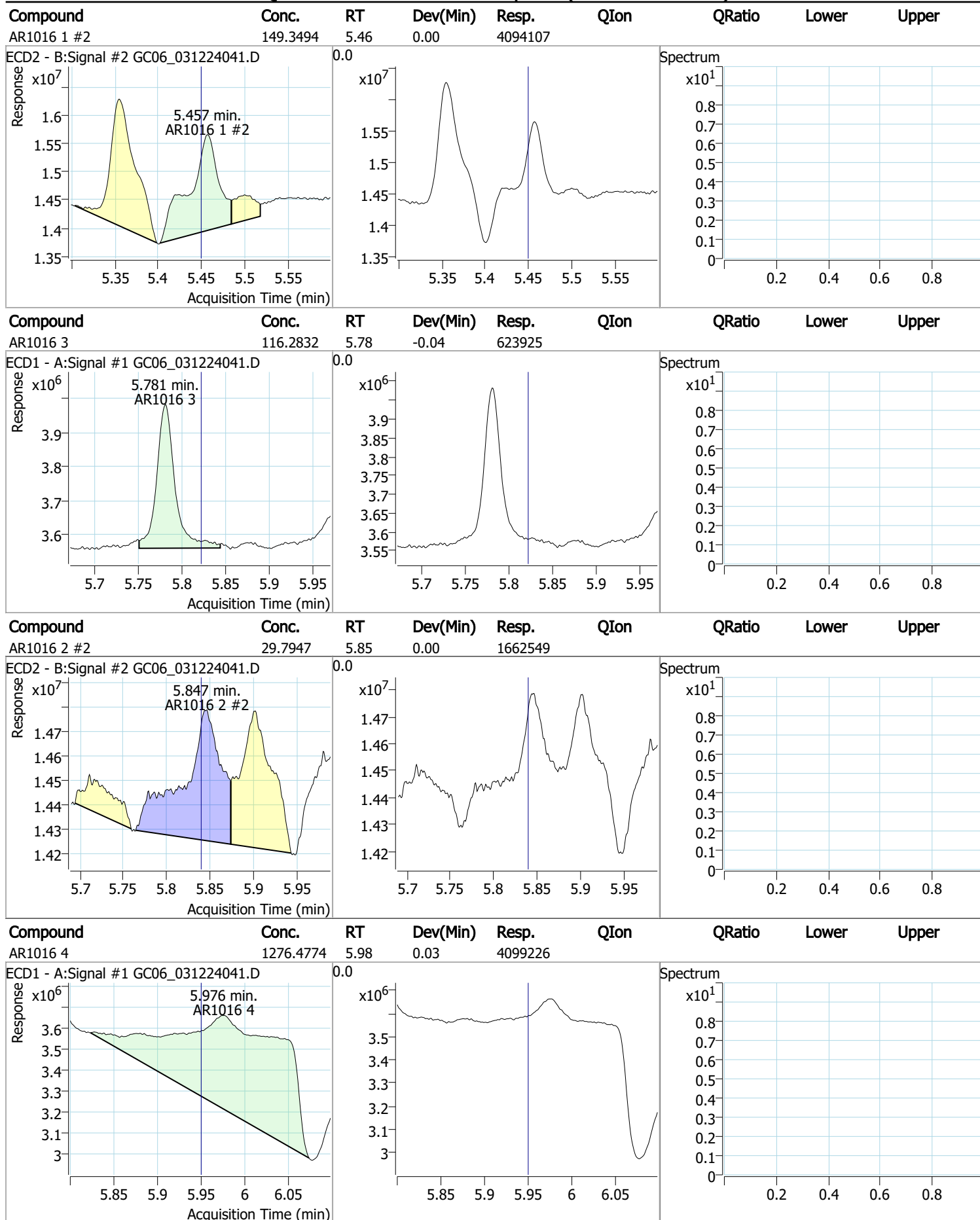
| Compound      | RT     | QIon | Resp.       | Conc.     | Units | Dev(Min) |
|---------------|--------|------|-------------|-----------|-------|----------|
| T AR1016 1    | 5.087  | 0.0  | 932400.539  | 427.8348  | ng/ml | 100      |
| T AR1016 2    | 5.373  | 0.0  | 42966.909   | 10.1970   | ng/ml | 100      |
| T AR1016 1 #2 | 5.457  | 0.0  | 4094107.077 | 149.3494  | ng/ml | 100      |
| T AR1016 3    | 5.781  | 0.0  | 623925.267  | 116.2832  | ng/ml | 100      |
| T AR1016 2 #2 | 5.847  | 0.0  | 1662549.311 | 29.7947   | ng/ml | 100      |
| T AR1016 4    | 5.976  | 0.0  | 4099226.129 | 1276.4774 | ng/ml | 100      |
| T AR1016 3 #2 | 6.311  | 0.0  | 832262.868  | 10.8162   | ng/ml | 100      |
| T AR1016 5    | 6.364  | 0.0  | 89273.081   | 30.3410   | ng/ml | 100      |
| T AR1016 4 #2 | 6.473  | 0.0  | 848741.060  | 16.9622   | ng/ml | 100      |
| T AR1016 5 #2 | 7.091  | 0.0  | 392582.539  | 9.6336    | ng/ml | 100      |
| T AR1260 1    | 7.968  | 0.0  | 1527542.621 | 246.4002  | ng/ml | 100      |
| T AR1260 2    | 8.565  | 0.0  | 38411.334   | 4.0894    | ng/ml | 100      |
| T AR1260 3    | 0.000  |      | 0           | N.D.      |       |          |
| T AR1260 1 #2 | 9.339  | 0.0  | 328708.194  | 4.0802    | ng/ml | 100      |
| T AR1260 2 #2 | 0.000  |      | 0           | N.D.      |       |          |
| T AR1260 4    | 9.640  | 0.0  | 1311085.784 | 242.5273  | ng/ml | 100      |
| T AR1260 3 #2 | 10.092 | 0.0  | 3453286.518 | 30.7798   | ng/ml | 100      |
| T AR1260 5    | 10.455 | 0.0  | 724546.242  | 103.5267  | ng/ml | 100      |
| T AR1260 4 #2 | 10.487 | 0.0  | 3029942.394 | 44.0355   | ng/ml | 100      |
| T AR1260 5 #2 | 11.203 | 0.0  | 888845.020  | 10.1332   | 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)

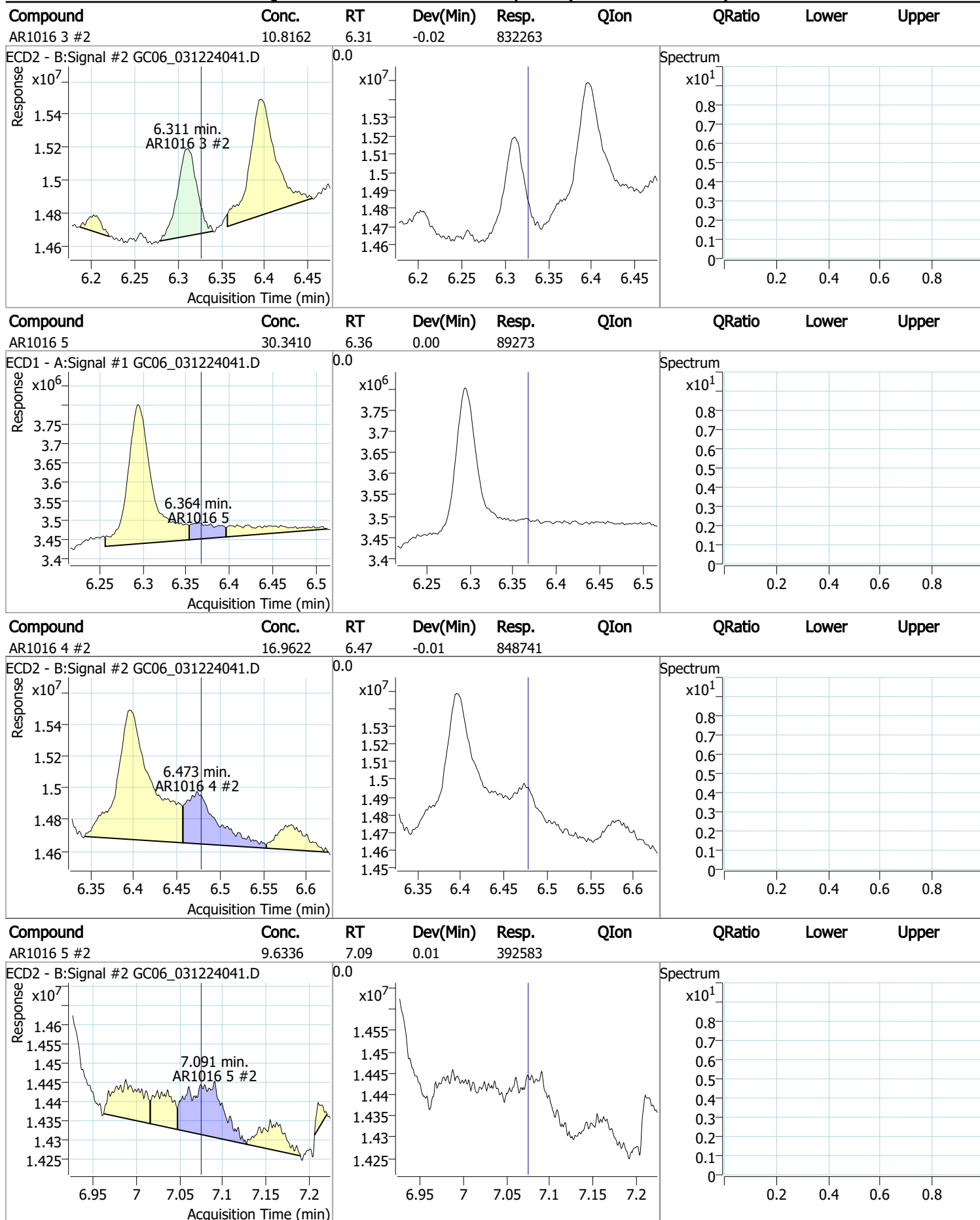


# Quantitation Results Report (Not Reviewed)



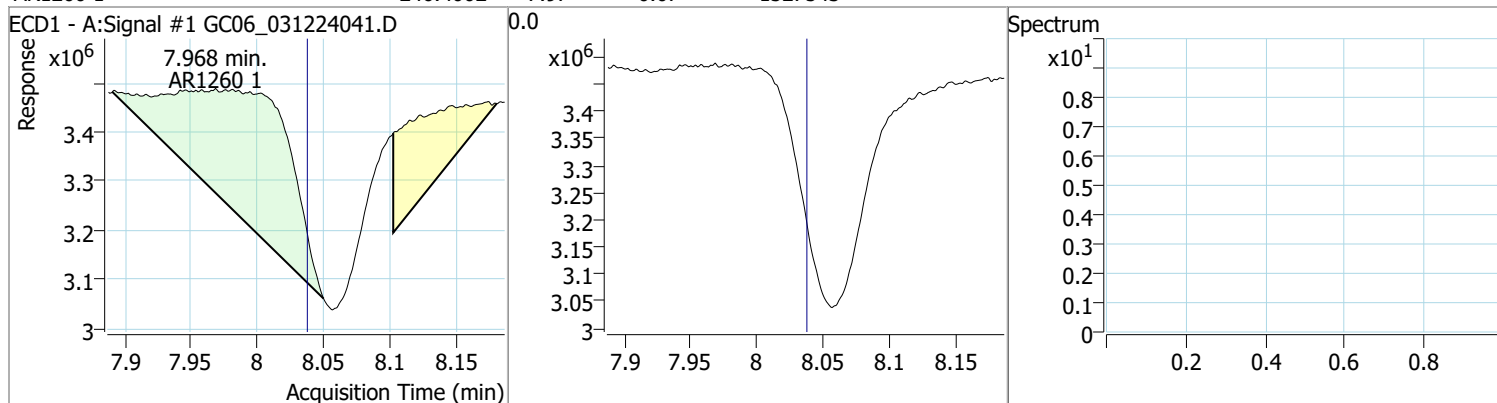


# Quantitation Results Report (Not Reviewed)

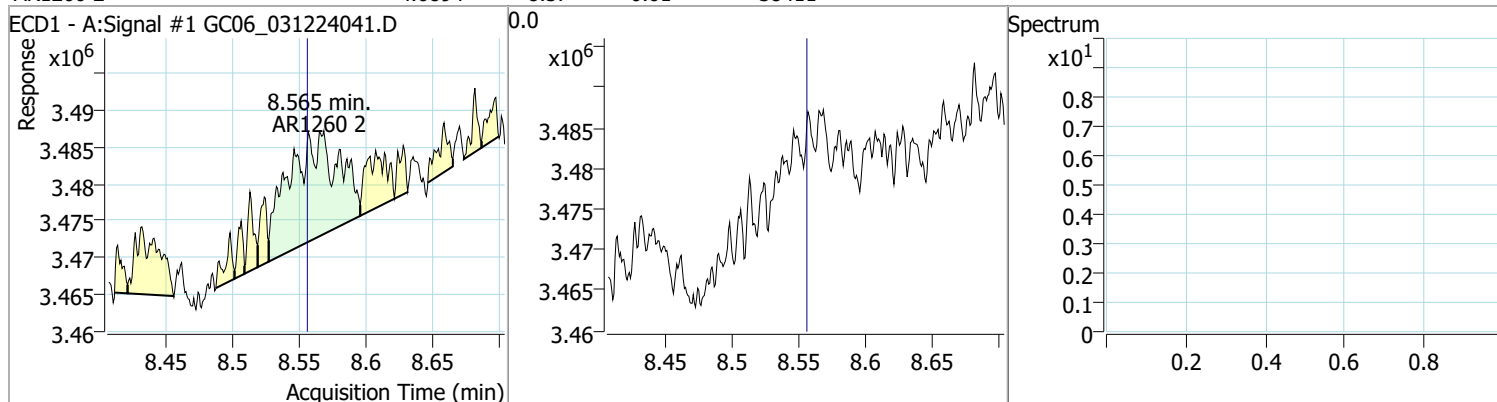


# Quantitation Results Report (Not Reviewed)

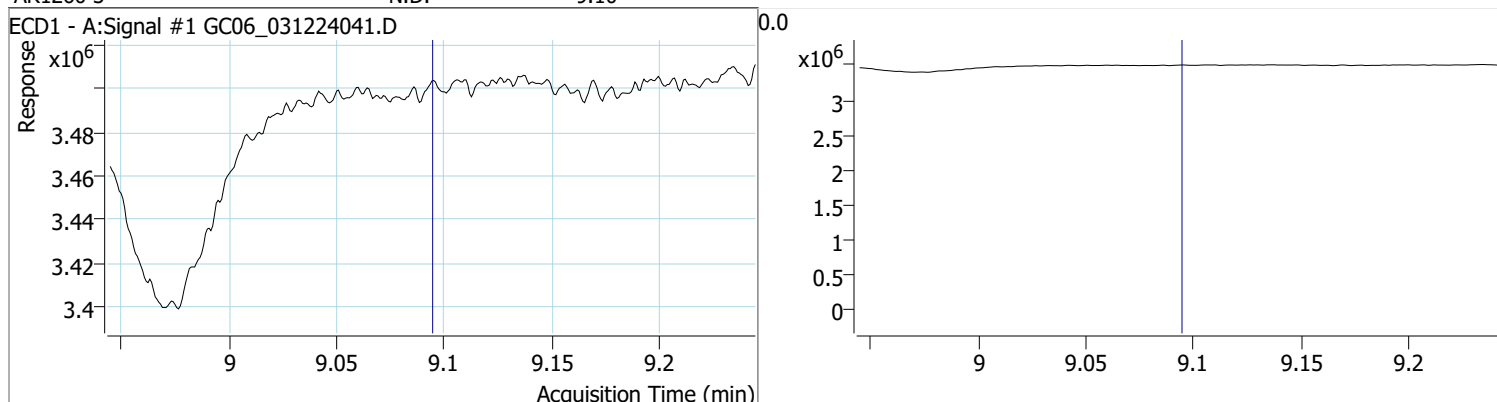
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 246.4002 | 7.97 | -0.07    | 1527543 |      |        |       |       |



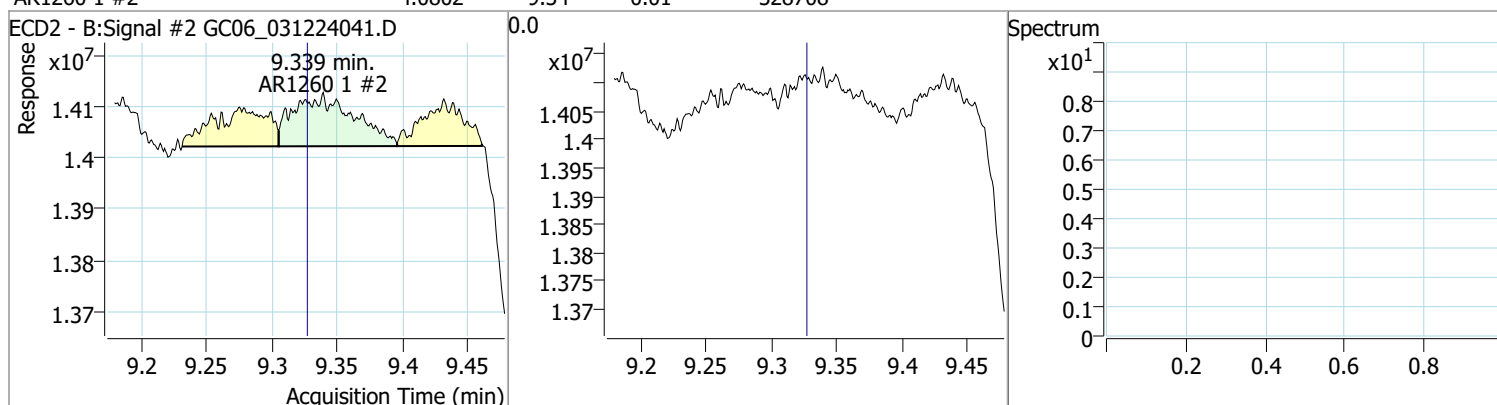
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 4.0894 | 8.57 | 0.01     | 38411 |      |        |       |       |



| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| AR1260 3 | N.D.  | 9.10   |      |           |



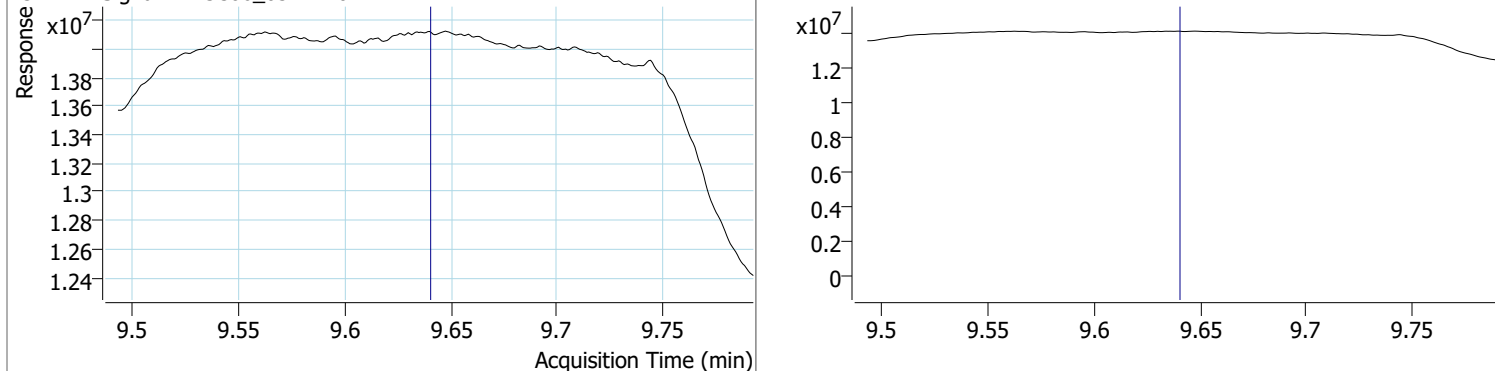
| Compound    | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|------|----------|--------|------|--------|-------|-------|
| AR1260 1 #2 | 4.0802 | 9.34 | 0.01     | 328708 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

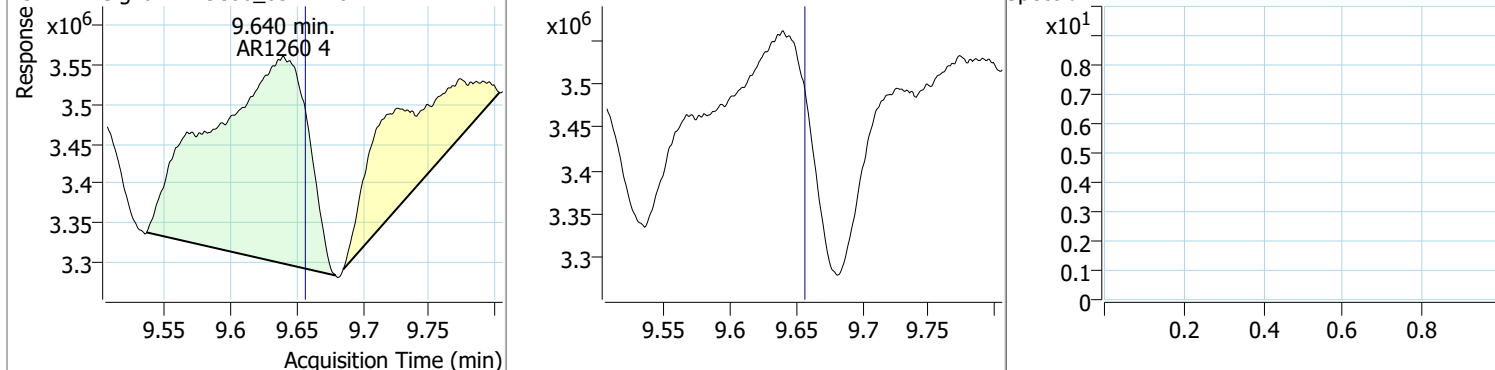
| Compound    | Conc. | Exp RT | QIon | Exp Ratio |
|-------------|-------|--------|------|-----------|
| AR1260 2 #2 | N.D.  | 9.65   |      |           |

ECD2 - B:Signal #2 GC06\_031224041.D



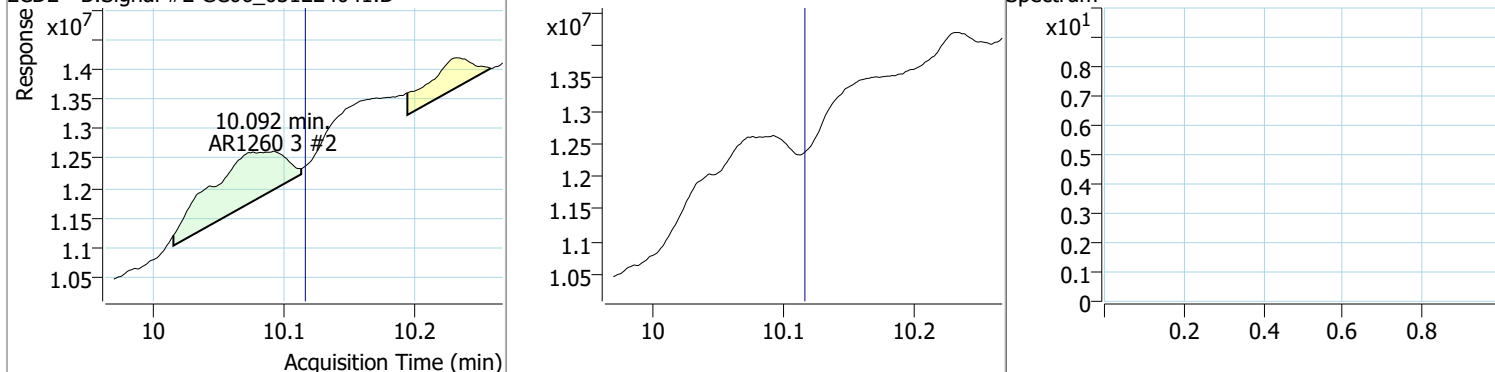
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 242.5273 | 9.64 | -0.02    | 1311086 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_031224041.D



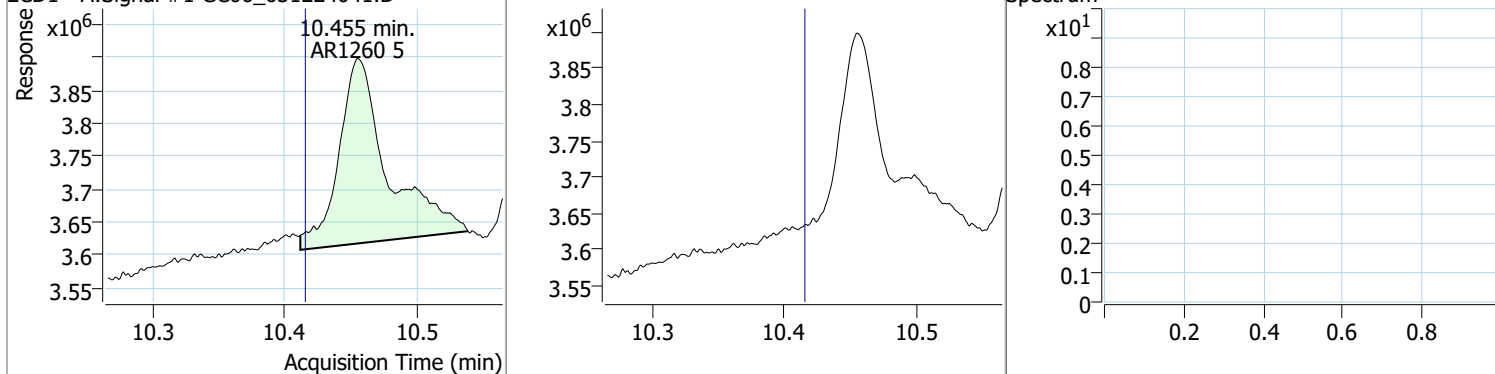
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 30.7798 | 10.09 | -0.03    | 3453287 |      |        |       |       |

ECD2 - B:Signal #2 GC06\_031224041.D

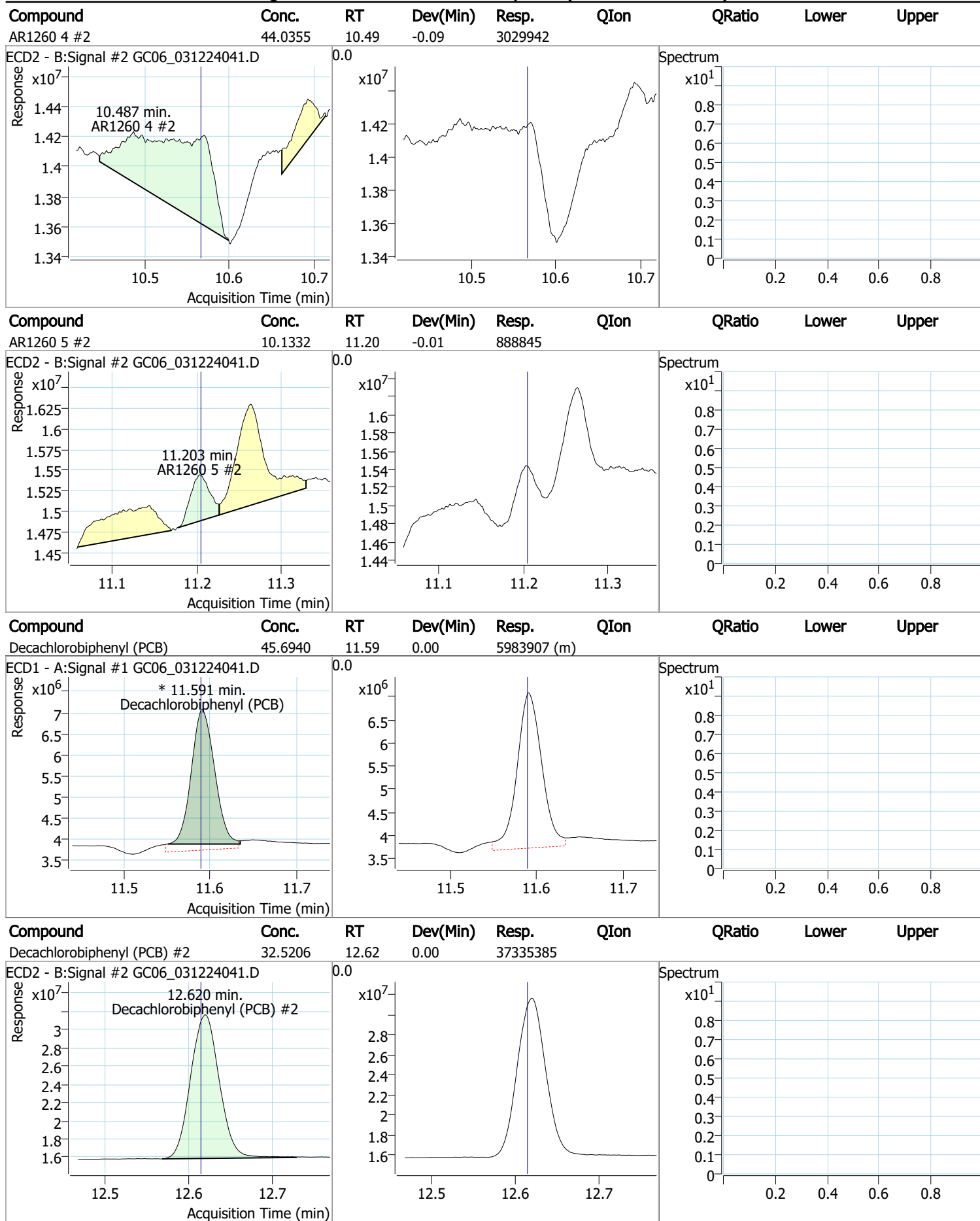


| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 103.5267 | 10.46 | 0.04     | 724546 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_031224041.D



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-004   | Client ID: ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA |
| Seqnum: 454104162042 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_031224042 | Batch: 335088        | Time: 12-MAR-2024 14:26                                  |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw   | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 296.0 | 3.0 <sup>FP</sup>  | 0.46 | 146% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 120.6 | 1.21               | 0.48 | 87%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 59.48 | 0.59               | 0.30 | 67%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 187.5 | 1.87               | 0.08 | 183% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 1082  | 10.82              | 0.47 | 183% |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 30.73 | 0.31               | 0.99 | 105% |      |       |       |
| <b>Aroclor-1221</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | A  | 93.65 | 0.94 <sup>FP</sup> | 0.73 | 25%  | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 9.160 | 0.09               | 0.30 | 106% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 4.171 | 0.04               | 2.26 | 193% |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 62.09 | 0.62               | 0.39 | 45%  |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 270.3 | 2.70               | 0.60 | 128% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 122.5 | 1.23               | 0.11 | 168% |      |       |       |
| <b>Aroclor-1262</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 44.04 | 0.5000 | 0.4404 | 88   | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 39.56 | 0.5000 | 0.3956 | 79   | 19-121 | c- u  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 23815615     | -28.41 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 1936956      | -37.61 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

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

**Analyst:** MES 03/13/24

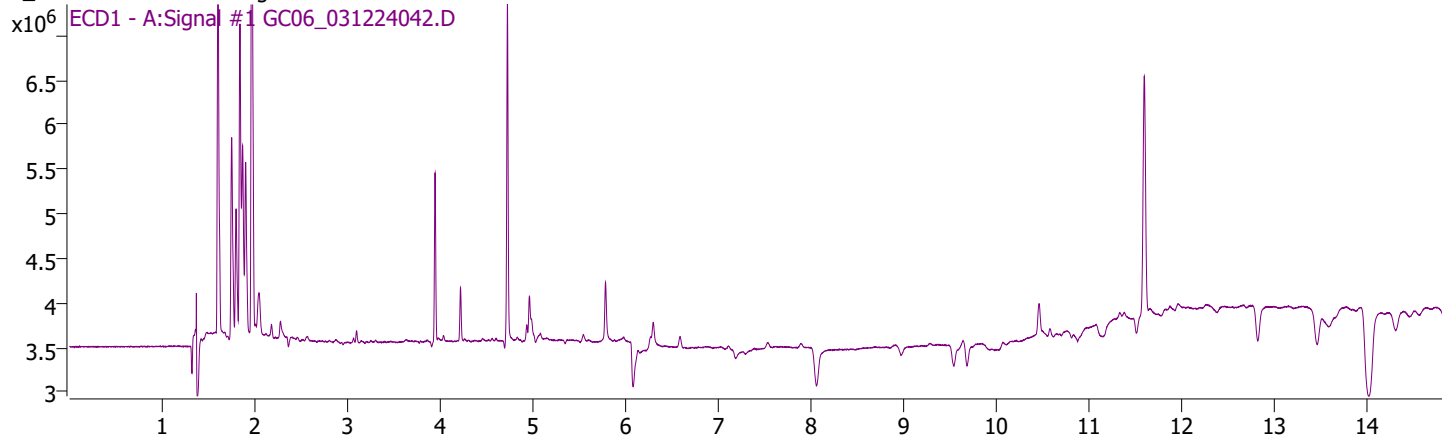
**Reviewer:** MTS 03/15/24



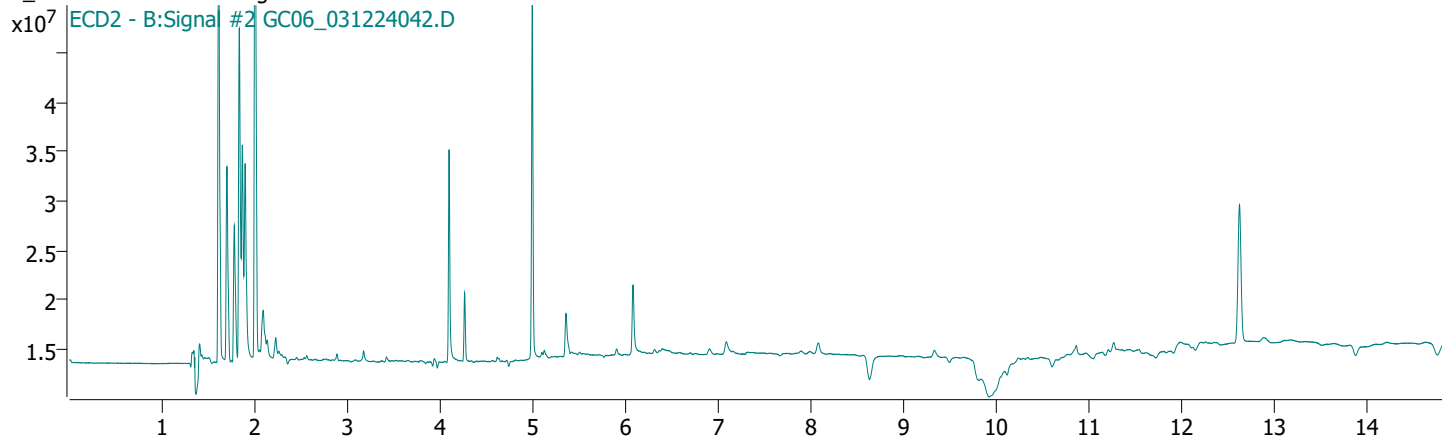
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224042.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 2:26:44 PM |
| Sample Name    | 504073-004, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 11                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |

GC06\_031224042.D No MS Signals



GC06\_031224042.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 1936955.974  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.094                | 0.0  | 23815615.472 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 4209405.259  | 44.0361            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 220.18% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 38832846.139 | 35.4545            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 177.27% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.593               | 0.0  | 5045788.275  | 39.5567            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 197.78% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.620               | 0.0  | 32427159.352 | 32.7203            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 163.60% | *     |          |

## Target Compounds

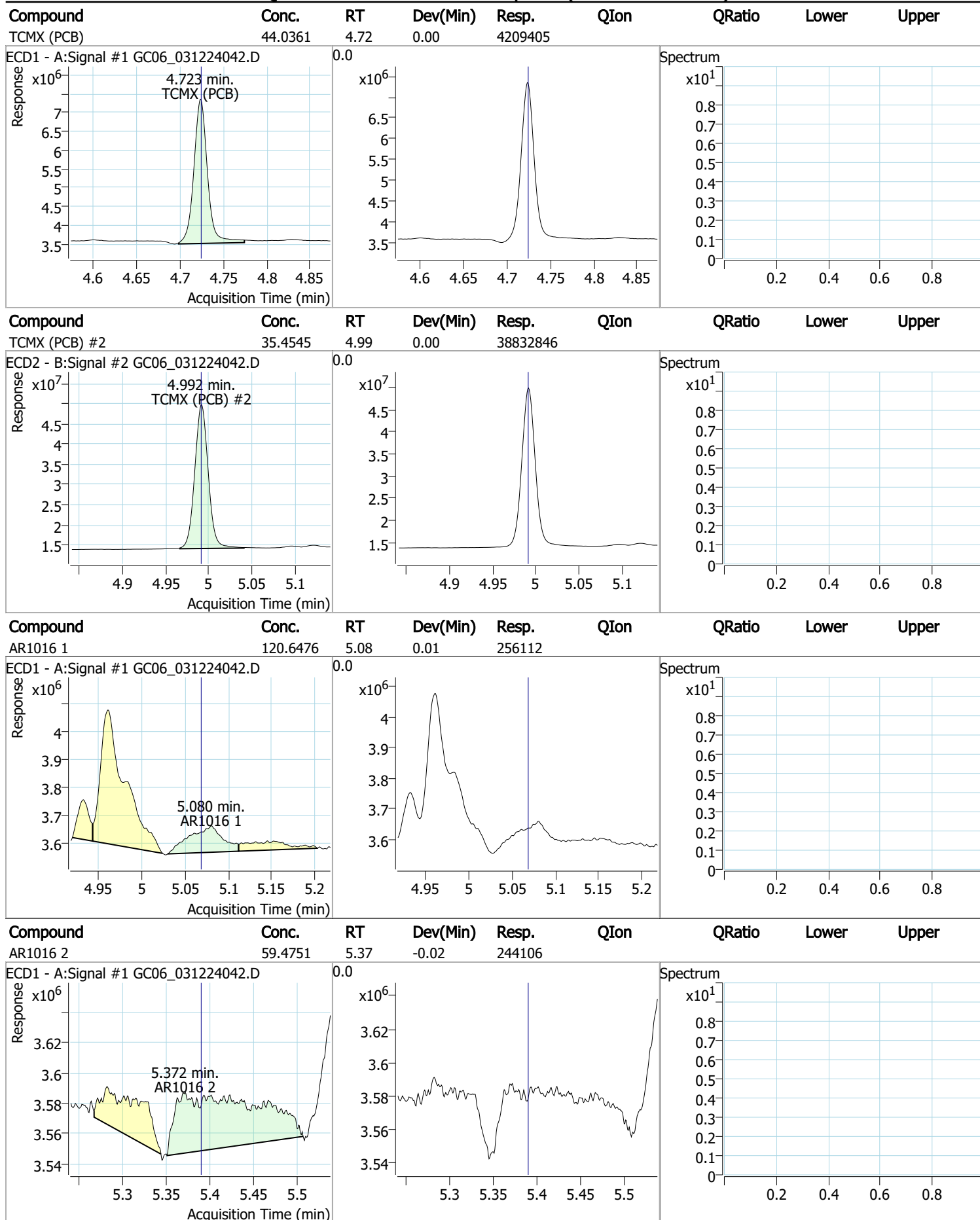
QValue

# Quantitation Results Report (Not Reviewed)

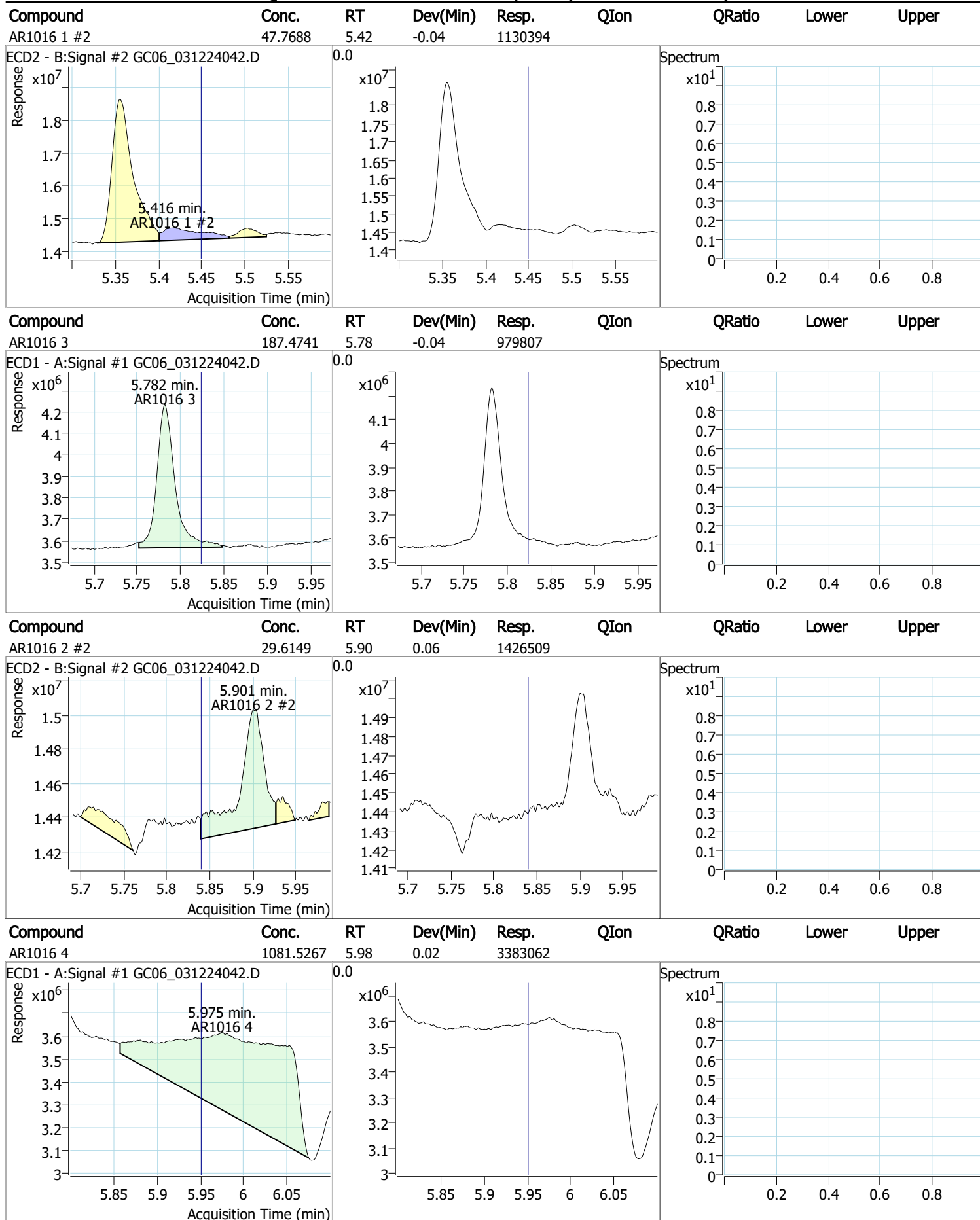
| Compound      | RT     | QIon | Resp.        | Conc.     | Units | Dev(Min) |
|---------------|--------|------|--------------|-----------|-------|----------|
| T AR1016 1    | 5.080  | 0.0  | 256111.577   | 120.6476  | ng/ml | 100      |
| T AR1016 2    | 5.372  | 0.0  | 244106.148   | 59.4751   | ng/ml | 100      |
| T AR1016 1 #2 | 5.416  | 0.0  | 1130394.223  | 47.7688   | ng/ml | 100      |
| T AR1016 3    | 5.782  | 0.0  | 979807.483   | 187.4741  | ng/ml | 100      |
| T AR1016 2 #2 | 5.901  | 0.0  | 1426508.952  | 29.6149   | ng/ml | 100      |
| T AR1016 4    | 5.975  | 0.0  | 3383061.989  | 1081.5267 | ng/ml | 100      |
| T AR1016 3 #2 | 6.313  | 0.0  | 546979.528   | 8.2348    | ng/ml | 100      |
| T AR1016 5    | 6.423  | 0.0  | 88070.445    | 30.7295   | ng/ml | 100      |
| T AR1016 4 #2 | 6.398  | 0.0  | 2014885.362  | 46.6475   | ng/ml | 100      |
| T AR1016 5 #2 | 7.084  | 0.0  | 3477044.859  | 98.8413   | ng/ml | 100      |
| T AR1260 1    | 7.921  | 0.0  | 55314.583    | 9.1602    | ng/ml | 100      |
| T AR1260 2    | 8.568  | 0.0  | 38164.604    | 4.1714    | ng/ml | 100      |
| T AR1260 3    | 9.193  | 0.0  | 586252.579   | 62.0931   | ng/ml | 100      |
| T AR1260 1 #2 | 9.329  | 0.0  | 2079931.514  | 29.9079   | ng/ml | 100      |
| T AR1260 2 #2 | 9.650  | 0.0  | 18738265.452 | 226.3998  | ng/ml | 100      |
| T AR1260 4    | 9.638  | 0.0  | 1423314.789  | 270.3003  | ng/ml | 100      |
| T AR1260 3 #2 | 10.084 | 0.0  | 3803456.315  | 39.2719   | ng/ml | 100      |
| T AR1260 5    | 10.458 | 0.0  | 835280.083   | 122.5278  | ng/ml | 100      |
| T AR1260 4 #2 | 10.487 | 0.0  | 3542834.310  | 59.6472   | ng/ml | 100      |
| T AR1260 5 #2 | 11.204 | 0.0  | 803013.246   | 10.6051   | ng/ml | 100      |

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

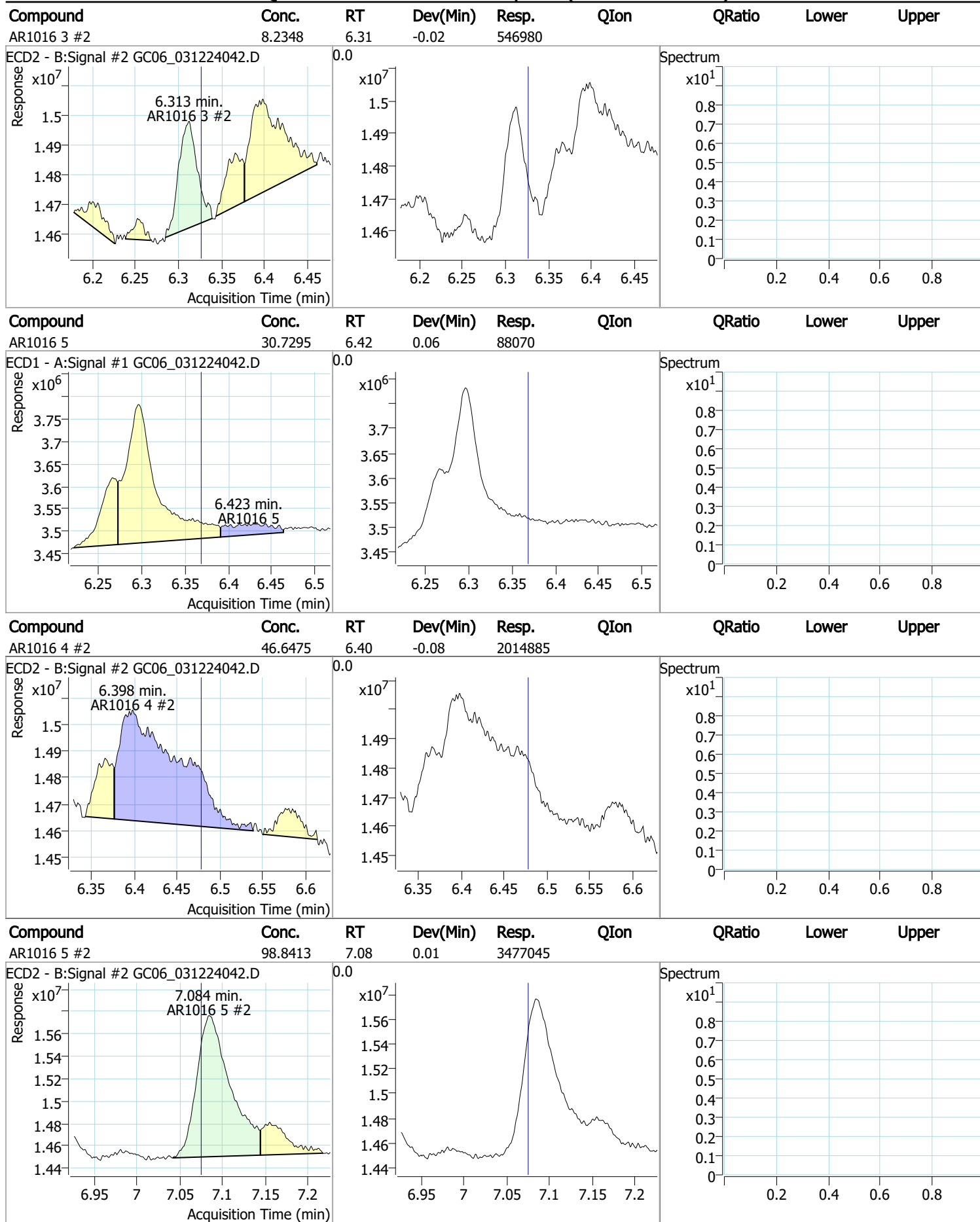
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



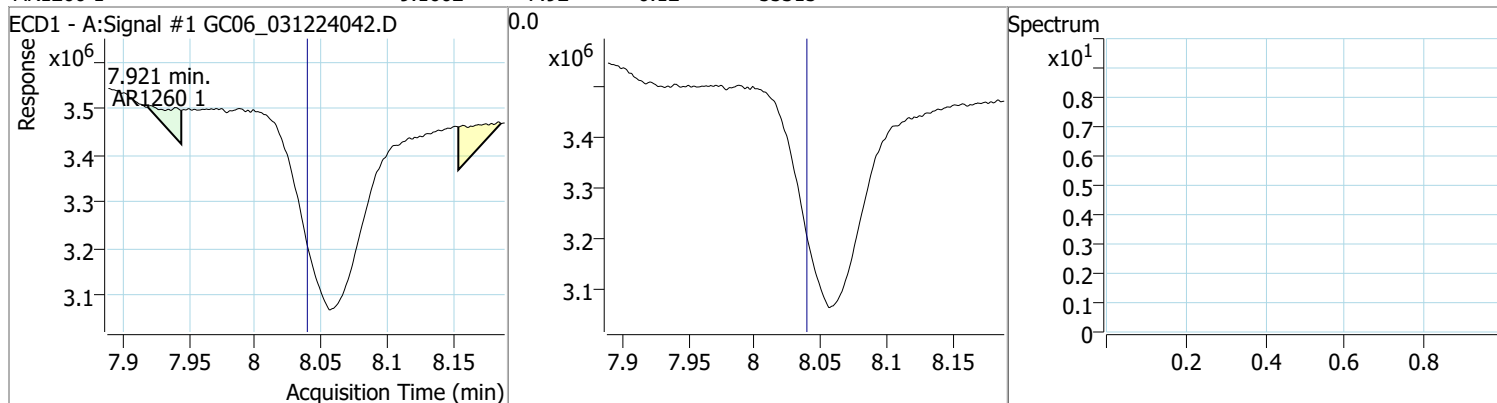
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

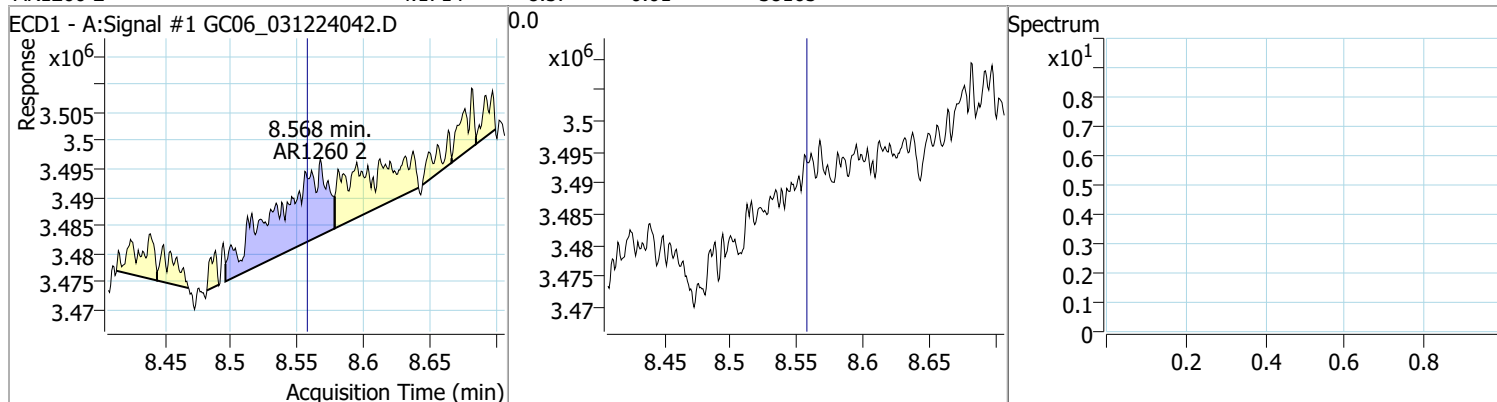
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 1 9.1602 7.92 -0.12 55315



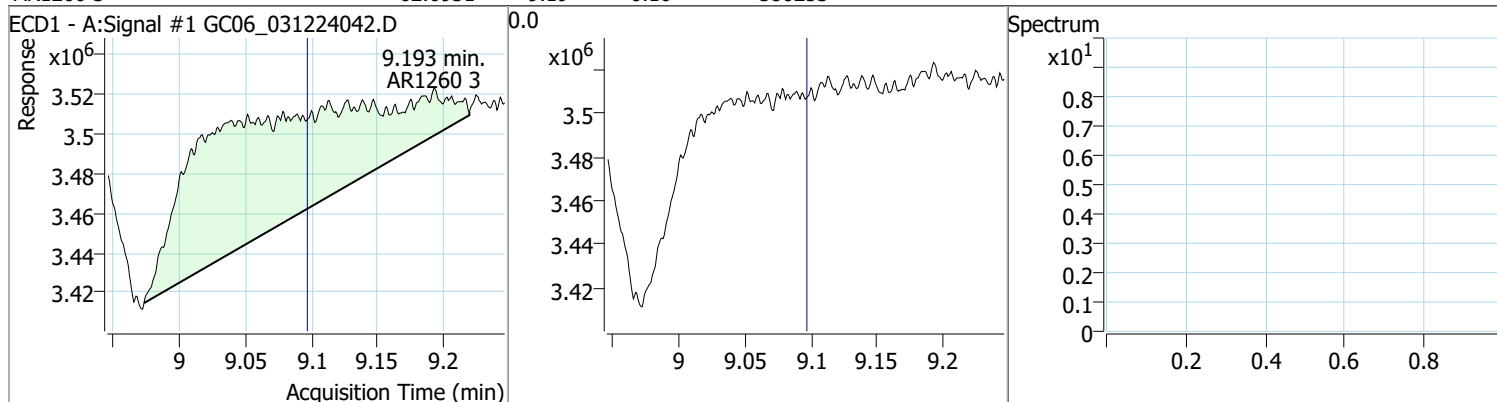
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 2 4.1714 8.57 0.01 38165



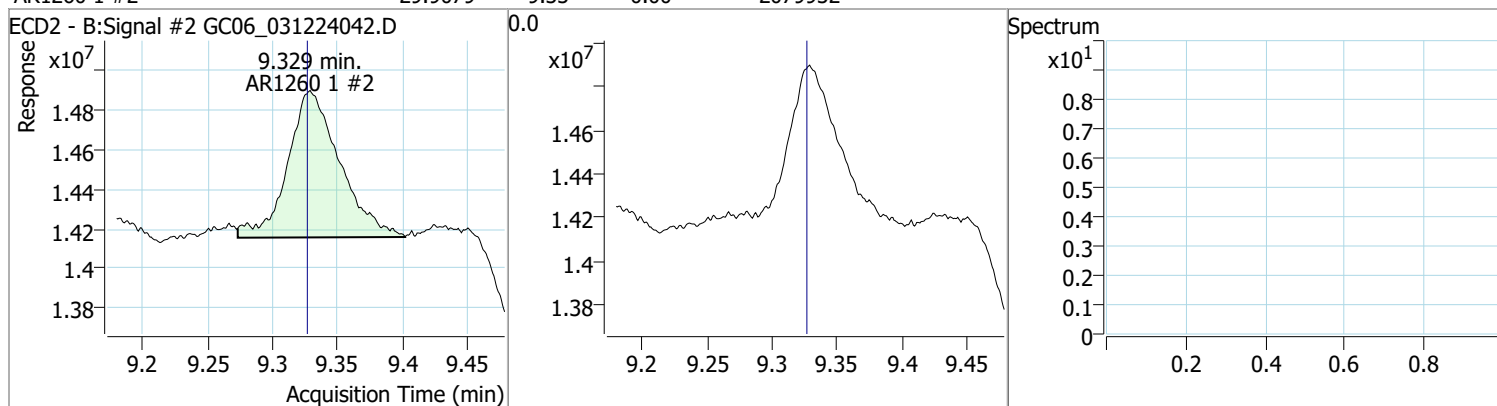
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 3 62.0931 9.19 0.10 586253



| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

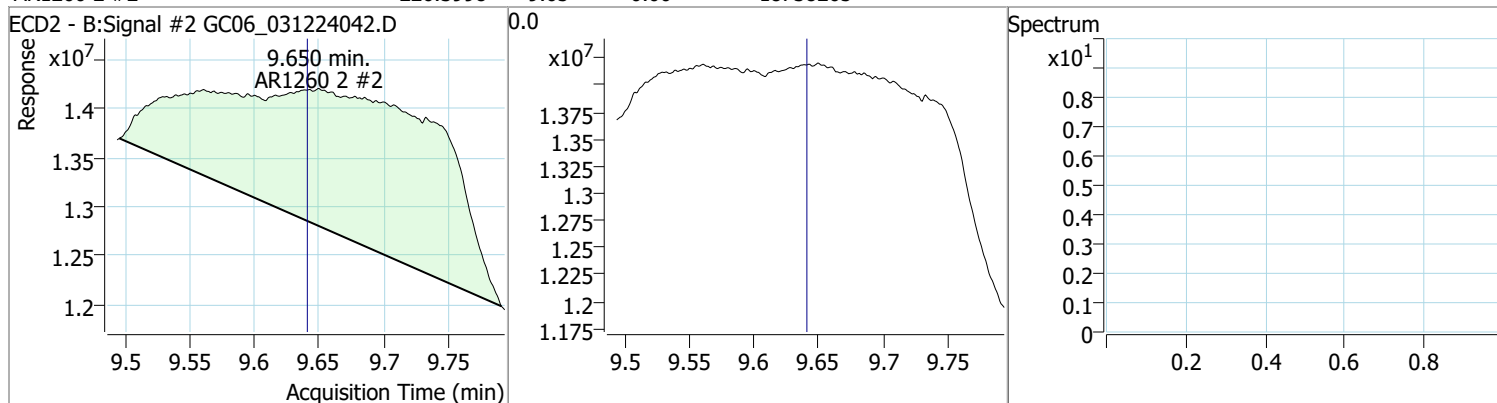
AR1260 1 #2 29.9079 9.33 0.00 2079932



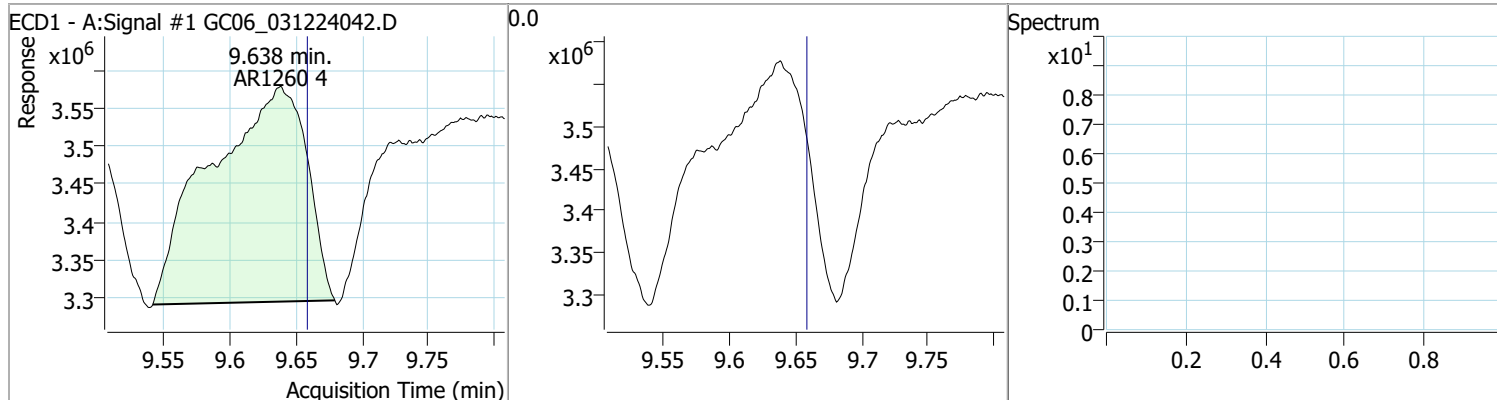


# Quantitation Results Report (Not Reviewed)

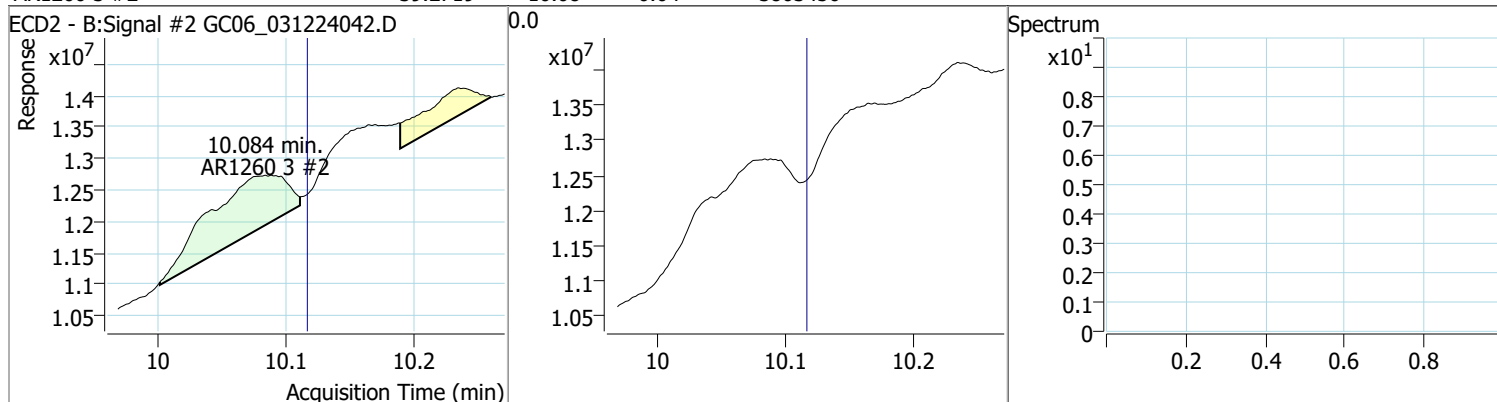
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 #2 | 226.3998 | 9.65 | 0.00     | 18738265 |      |        |       |       |



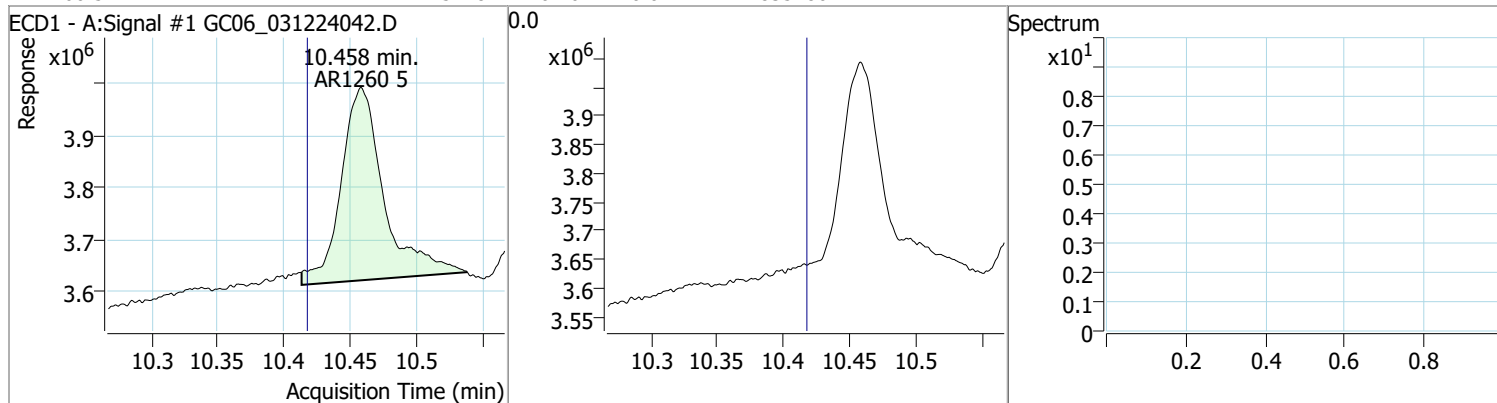
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 270.3003 | 9.64 | -0.02    | 1423315 |      |        |       |       |



| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 39.2719 | 10.08 | -0.04    | 3803456 |      |        |       |       |

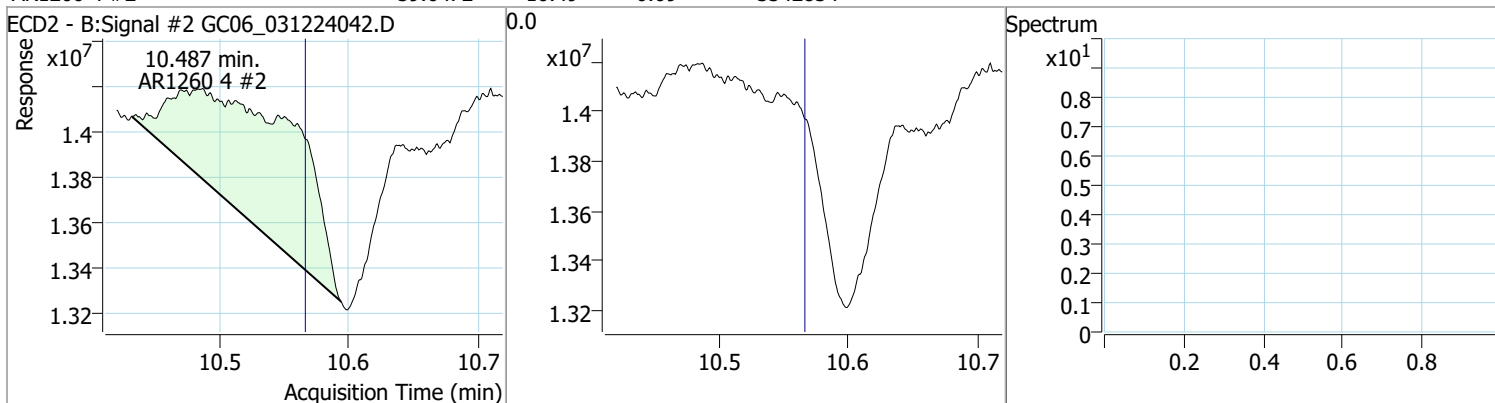


| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 122.5278 | 10.46 | 0.04     | 835280 |      |        |       |       |

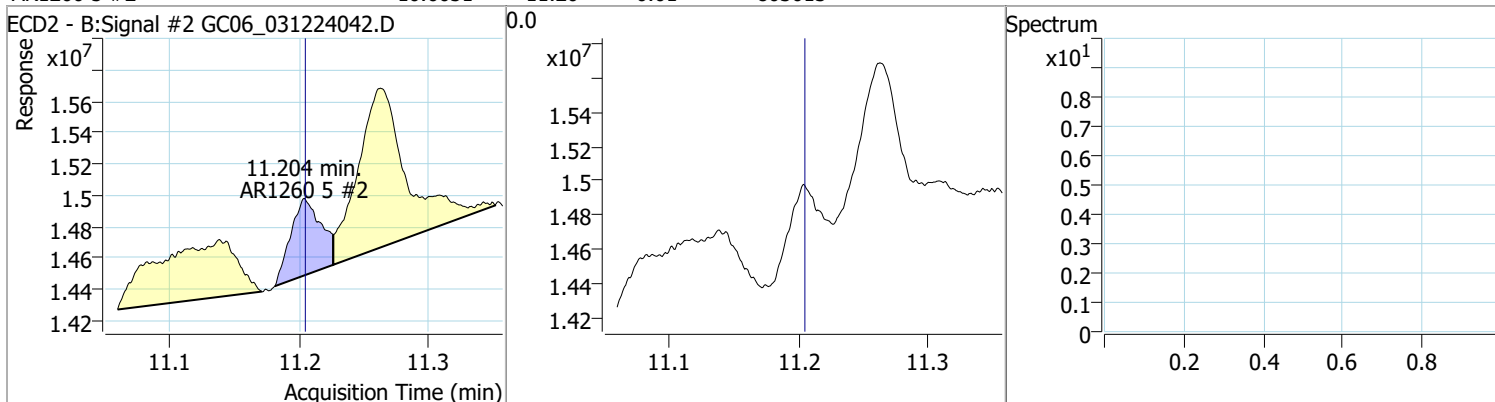


# Quantitation Results Report (Not Reviewed)

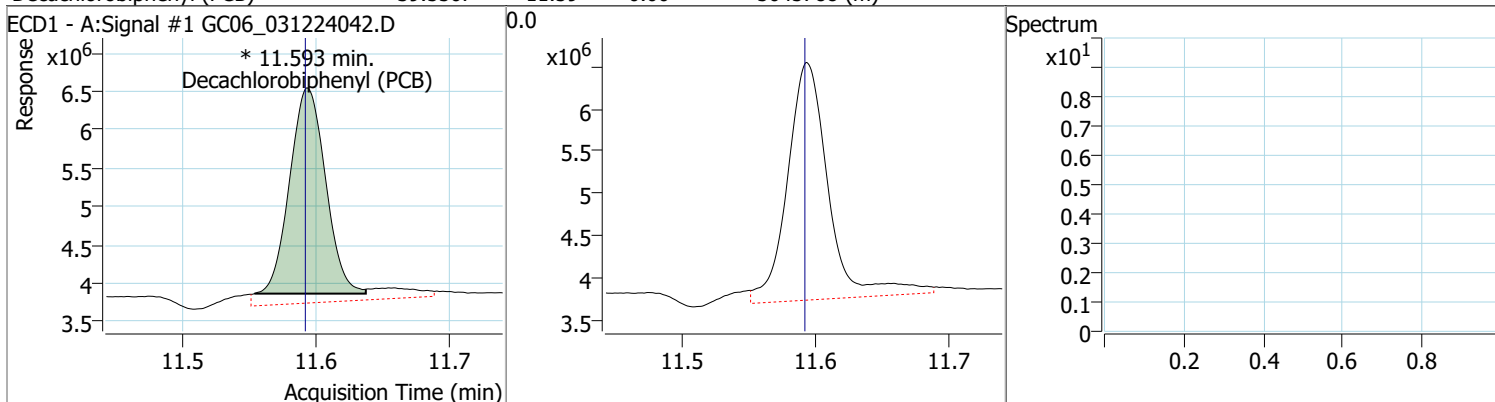
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 4 #2 | 59.6472 | 10.49 | -0.09    | 3542834 |      |        |       |       |



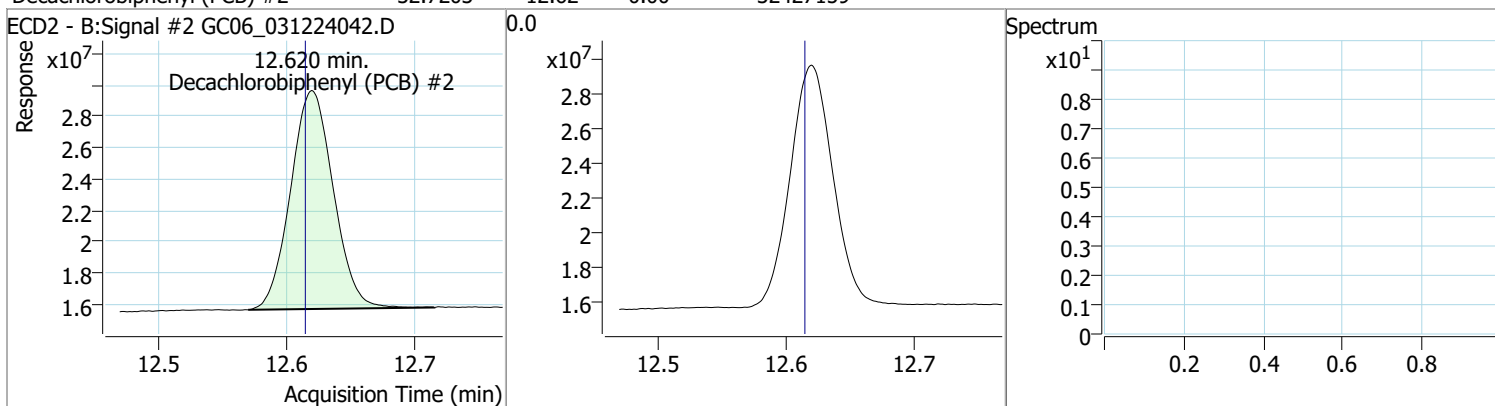
| Compound    | Conc.   | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 #2 | 10.6051 | 11.20 | -0.01    | 803013 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|-------------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 39.5567 | 11.59 | 0.00     | 5045788 (m) |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 32.7203 | 12.62 | 0.00     | 32427159 |      |        |       |       |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-006   | Client ID: ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA |
| Seqnum: 454104162043 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_031224043 | Batch: 335088        | Time: 12-MAR-2024 14:46                                  |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw   | Result            | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|-------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 406.8 | 4.1 <sup>FP</sup> | 0.35 | 168% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 172.5 | 1.72              | 0.81 | 72%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 90.44 | 0.90              | 0.54 | 51%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 190.4 | 1.90              | 0.05 | 190% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 1081  | 10.81             | 0.31 | 189% |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 499.7 | 5.00              | 0.05 | 196% |      |       |       |
| <b>Aroclor-1221</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | A  | 136.8 | 1.4 <sup>FP</sup> | 0.19 | 152% | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 265.1 | 2.65              | 0.01 | 198% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 1.962 | 0.02              | ND   |      |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 64.51 | 0.65              | 0.34 | 61%  |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 281.8 | 2.82              | 0.45 | 145% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 70.55 | 0.71              | 0.13 | 137% |      |       |       |
| <b>Aroclor-1262</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 46.29 | 0.5000 | 0.4629 | 93   | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 41.15 | 0.5000 | 0.4115 | 82   | 19-121 | c- u  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 27025299     | -18.77 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 2088786      | -32.72 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

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

**Analyst:** MES 03/13/24

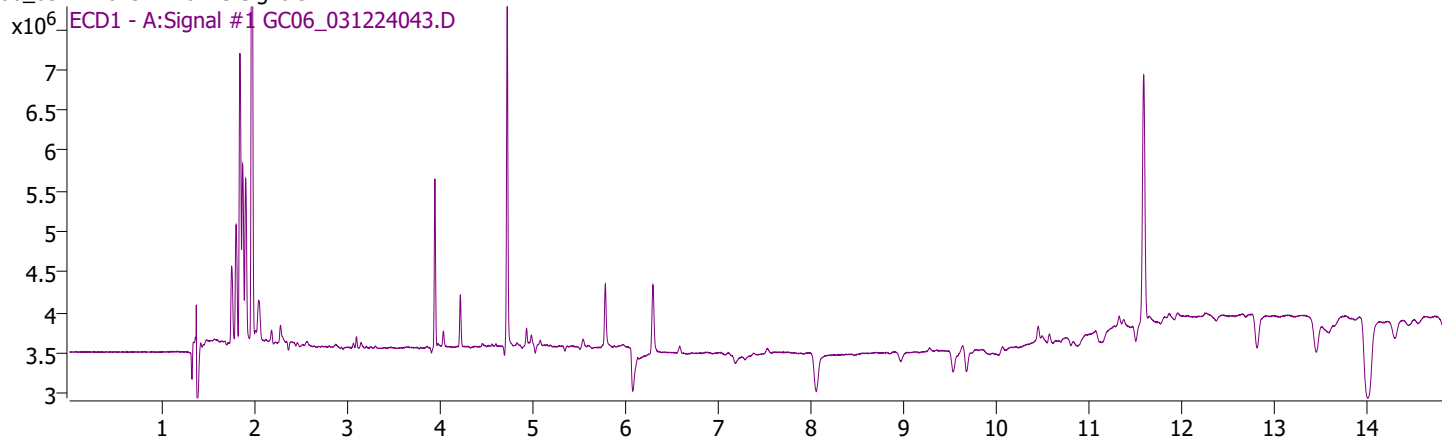
**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224043.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 2:46:17 PM |
| Sample Name    | 504073-006, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 12                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |

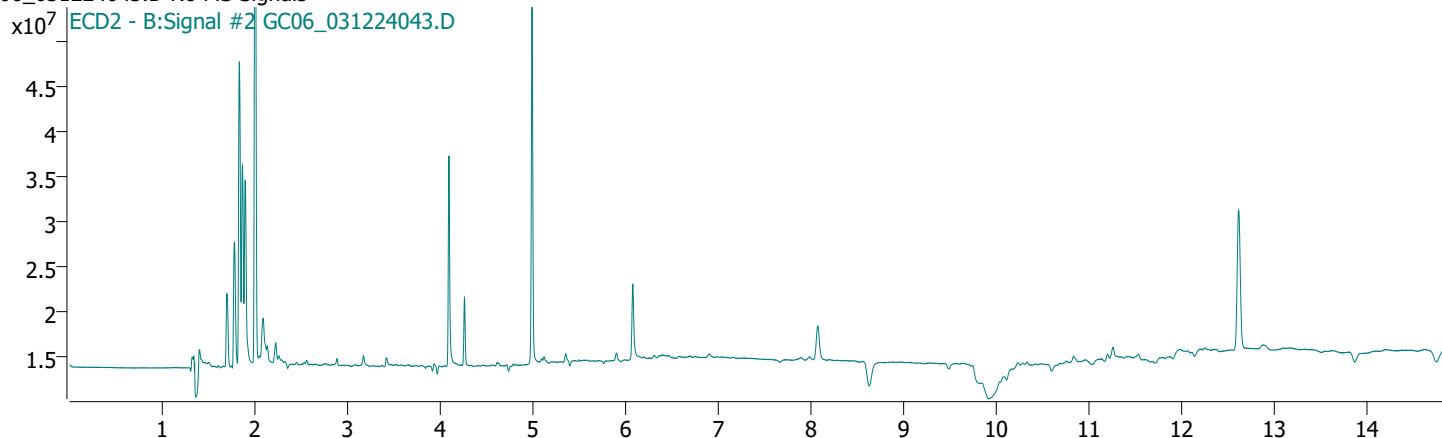
GC06\_031224043.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_031224043.D



GC06\_031224043.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_031224043.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 2088785.92<br>3  | 20.0000            | ng/ml | -0.001   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.094                | 0.0  | 27025299.3<br>14 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 4771618.29<br>9  | 46.2892            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 231.45% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 44032881.5<br>97 | 35.4276            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 177.14% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.593               | 0.0  | 5660094.25<br>0  | 41.1472            | ng/ml | m 0.002  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 205.74% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.618               | 0.0  | 36822661.7<br>17 | 32.7427            | ng/ml | -0.004   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 163.71% | *     |          |

## Target Compounds

QValue

# Quantitation Results Report (Not Reviewed)

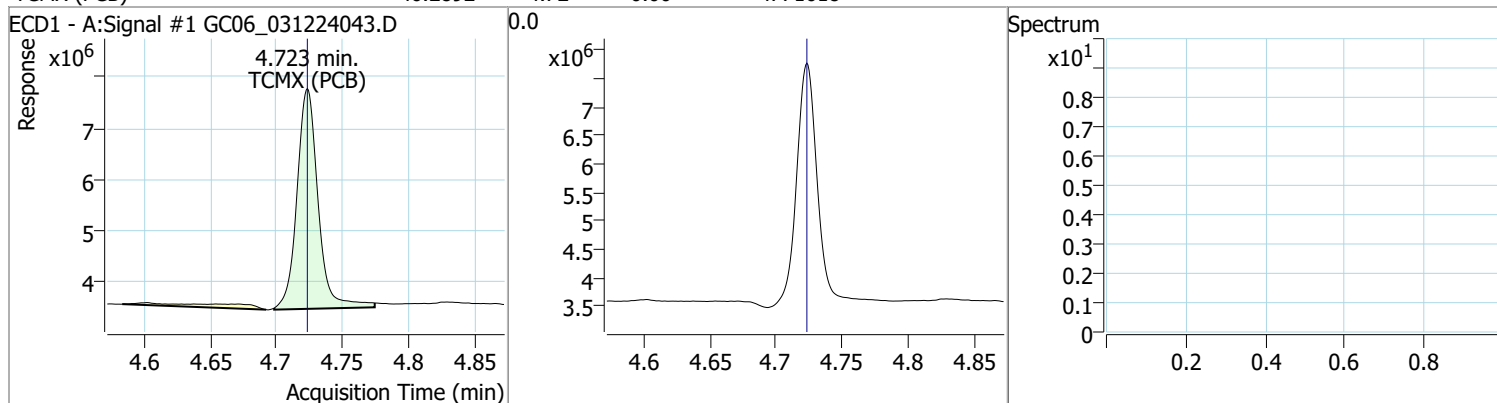
| Compound      | RT     | QIon | Resp.           | Conc.     | Units | Dev(Min) |
|---------------|--------|------|-----------------|-----------|-------|----------|
| T AR1016 1    | 5.080  | 0.0  | 394866.602      | 172.4907  | ng/ml | 100      |
| T AR1016 2    | 5.372  | 0.0  | 400282.567      | 90.4376   | ng/ml | 100      |
| T AR1016 1 #2 | 5.502  | 0.0  | 2180843.98<br>5 | 81.2140   | ng/ml | 100      |
| T AR1016 3    | 5.783  | 0.0  | 1072962.37<br>5 | 190.3754  | ng/ml | 100      |
| T AR1016 2 #2 | 5.902  | 0.0  | 2941582.89<br>9 | 53.8156   | ng/ml | 100      |
| T AR1016 4    | 5.970  | 0.0  | 3645868.89<br>7 | 1080.8219 | ng/ml | 100      |
| T AR1016 3 #2 | 6.309  | 0.0  | 383420.288      | 5.0869    | ng/ml | 100      |
| T AR1016 5    | 6.296  | 0.0  | 1544300.97<br>4 | 499.6699  | ng/ml | 100      |
| T AR1016 4 #2 | 6.395  | 0.0  | 1529362.30<br>8 | 31.2018   | ng/ml | 100      |
| T AR1016 5 #2 | 7.029  | 0.0  | 216258.251      | 5.4174    | ng/ml | 100      |
| T AR1260 1    | 7.971  | 0.0  | 1726048.58<br>6 | 265.0590  | ng/ml | 100      |
| T AR1260 2    | 8.544  | 0.0  | 19360.199       | 1.9623    | ng/ml | 100      |
| T AR1260 3    | 9.137  | 0.0  | 656854.247      | 64.5139   | ng/ml | 100      |
| T AR1260 1 #2 | 9.318  | 0.0  | 91425.097       | 1.1585    | ng/ml | 100      |
| T AR1260 2 #2 | 0.000  |      | 0               | N.D.      |       |          |
| T AR1260 4    | 9.641  | 0.0  | 1600209.46<br>5 | 281.8047  | ng/ml | 100      |
| T AR1260 3 #2 | 10.088 | 0.0  | 3782904.51<br>1 | 34.4207   | ng/ml | 100      |
| T AR1260 5    | 10.455 | 0.0  | 518667.200      | 70.5533   | ng/ml | 100      |
| T AR1260 4 #2 | 10.489 | 0.0  | 3014081.85<br>0 | 44.7183   | ng/ml | 100      |
| T AR1260 5 #2 | 11.202 | 0.0  | 1125225.95<br>3 | 13.0955   | ng/ml | 100      |

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

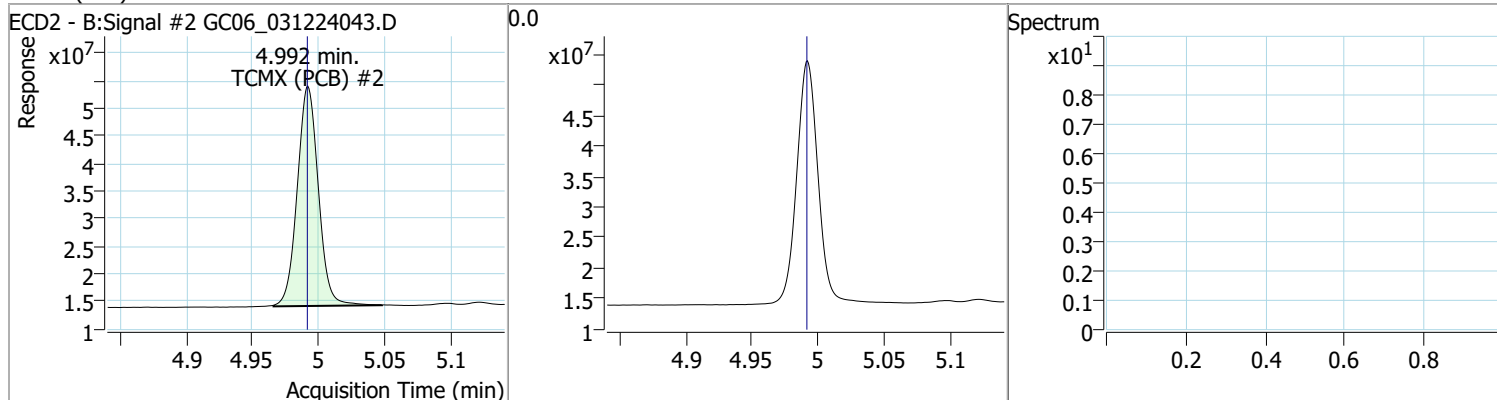


# Quantitation Results Report (Not Reviewed)

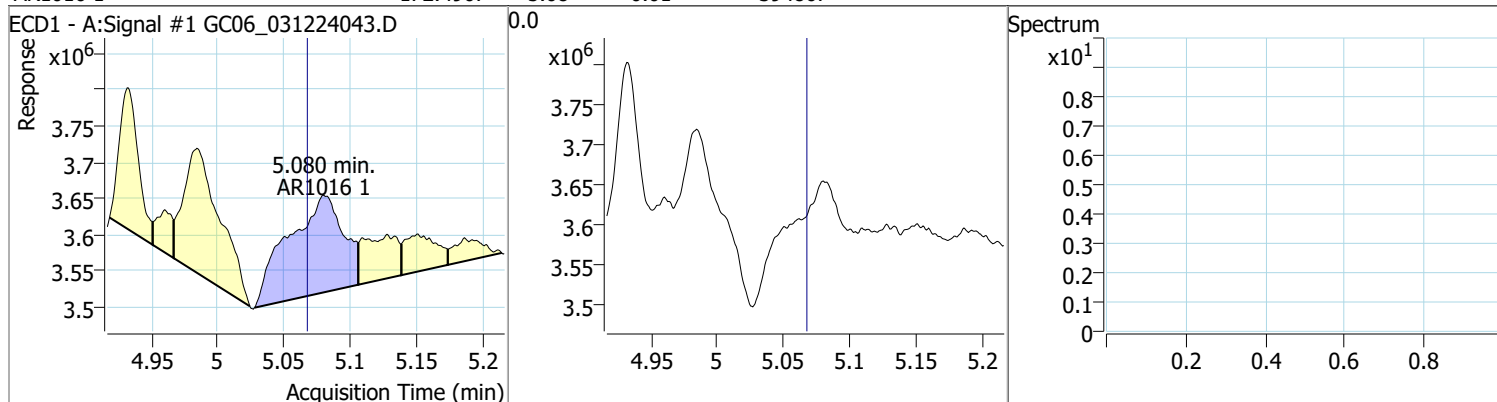
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 46.2892 | 4.72 | 0.00     | 4771618 |      |        |       |       |



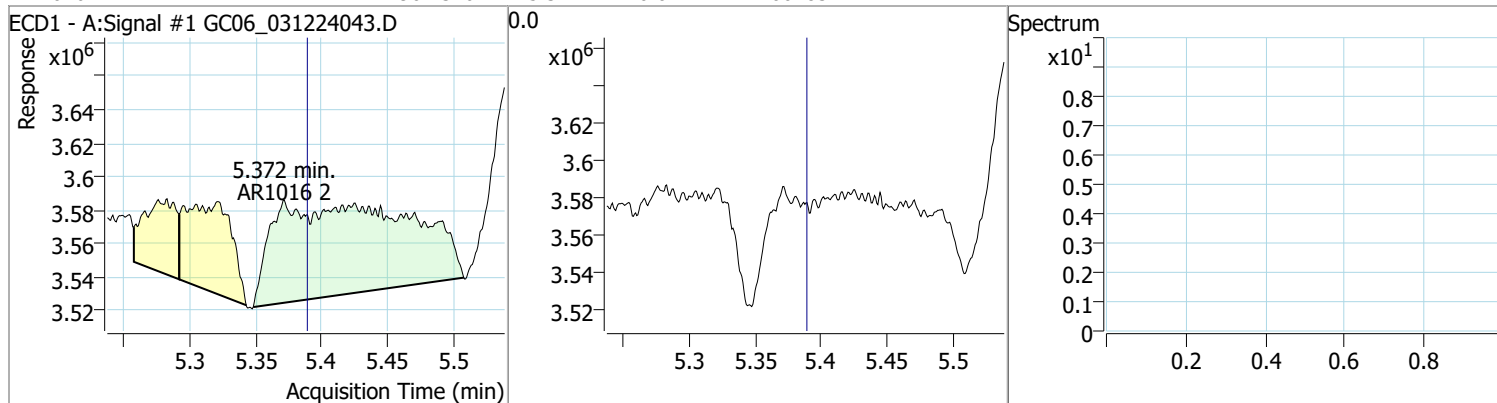
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 35.4276 | 4.99 | 0.00     | 44032882 |      |        |       |       |



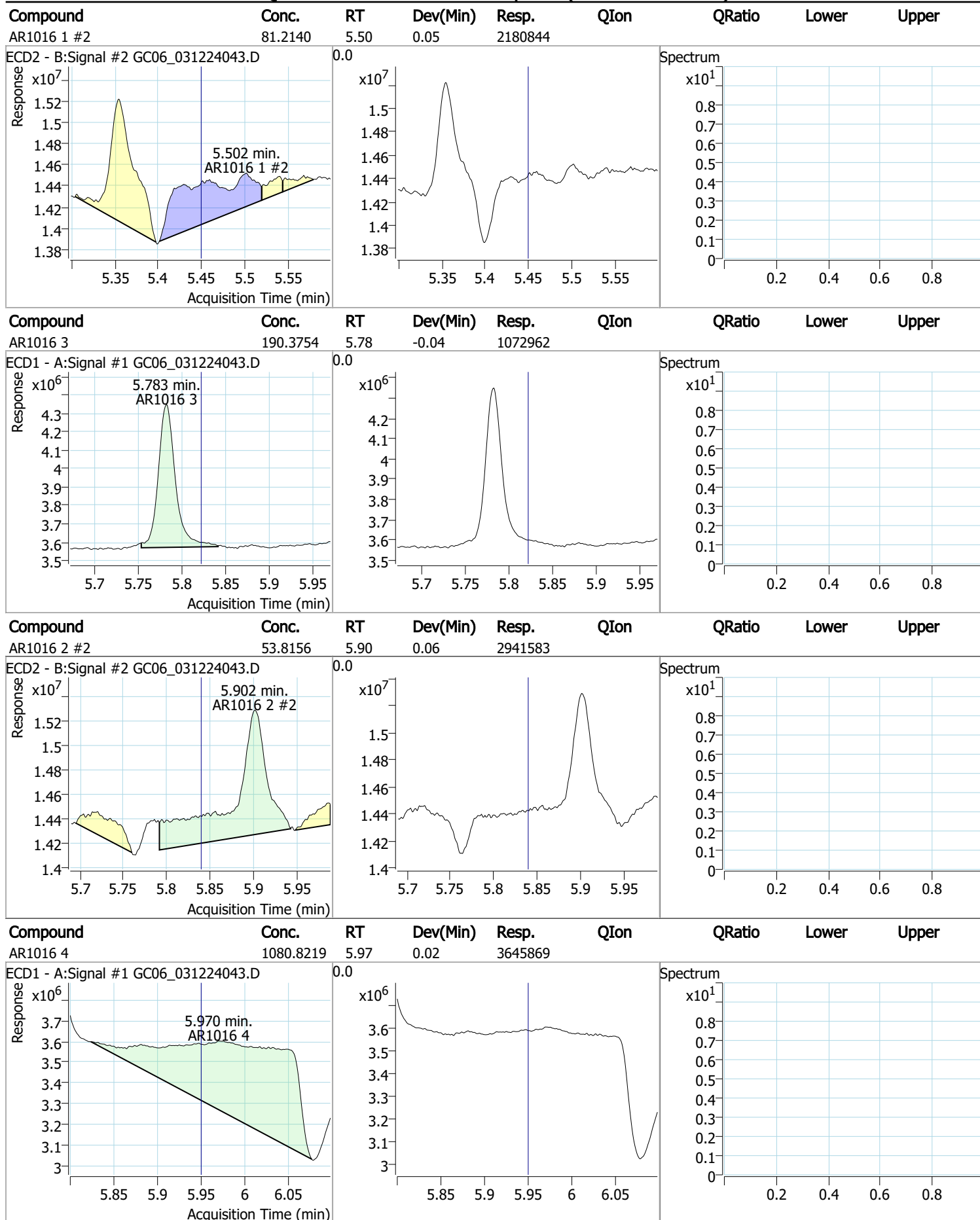
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 172.4907 | 5.08 | 0.01     | 394867 |      |        |       |       |



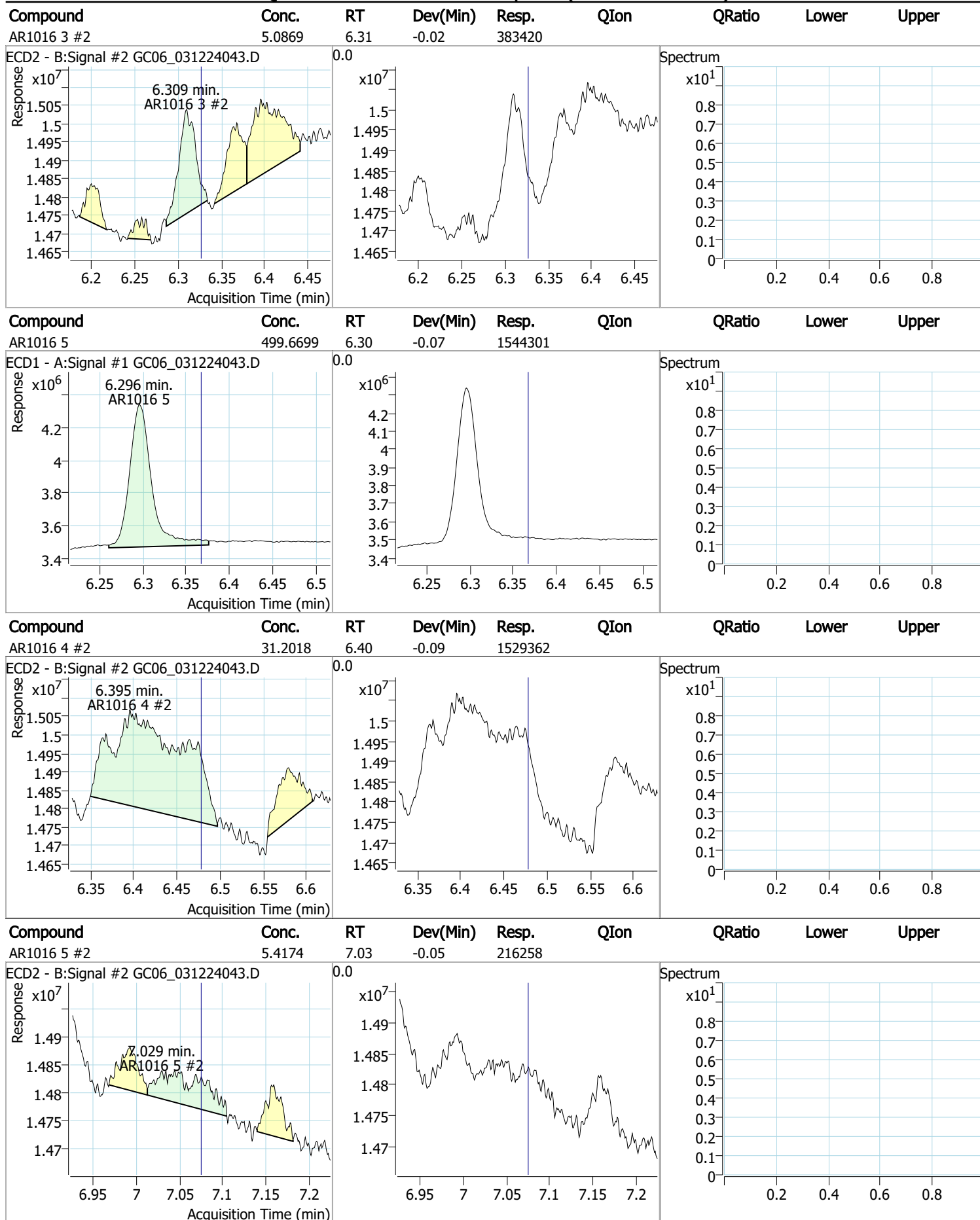
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 90.4376 | 5.37 | -0.02    | 400283 |      |        |       |       |



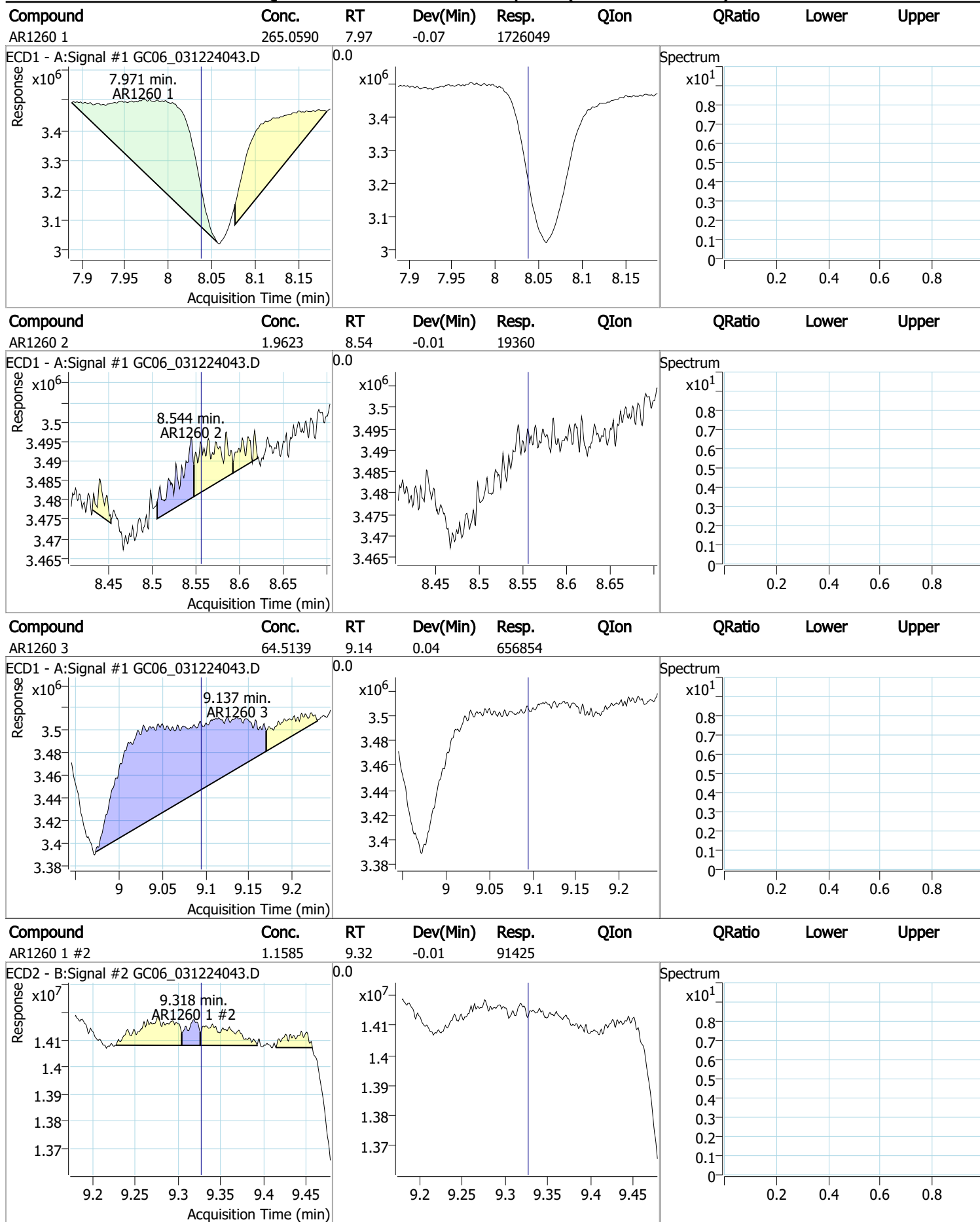
# Quantitation Results Report (Not Reviewed)



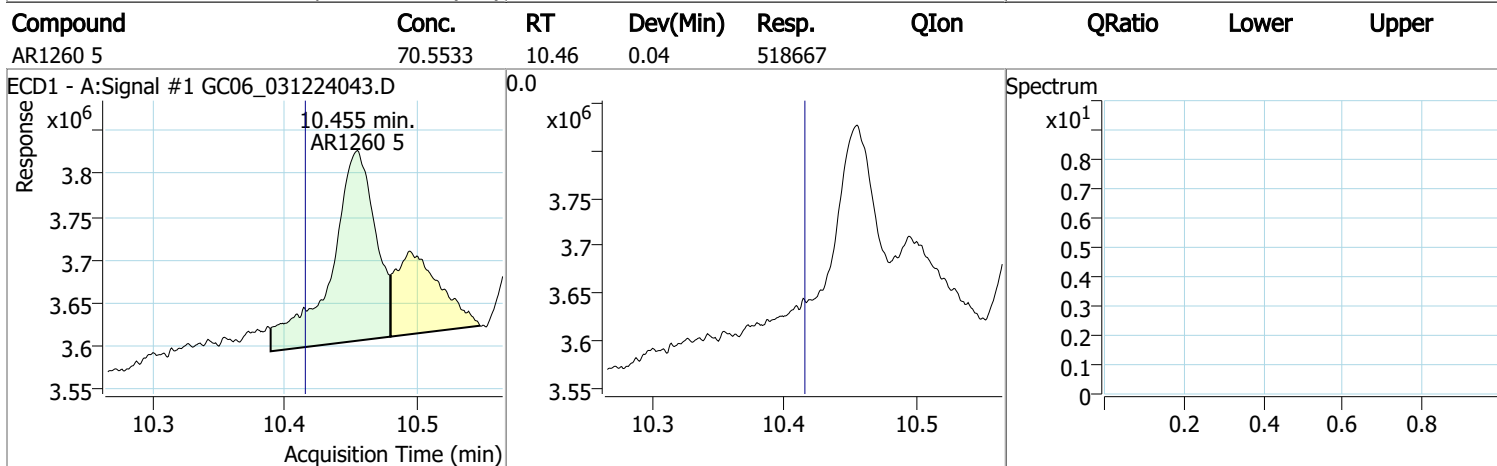
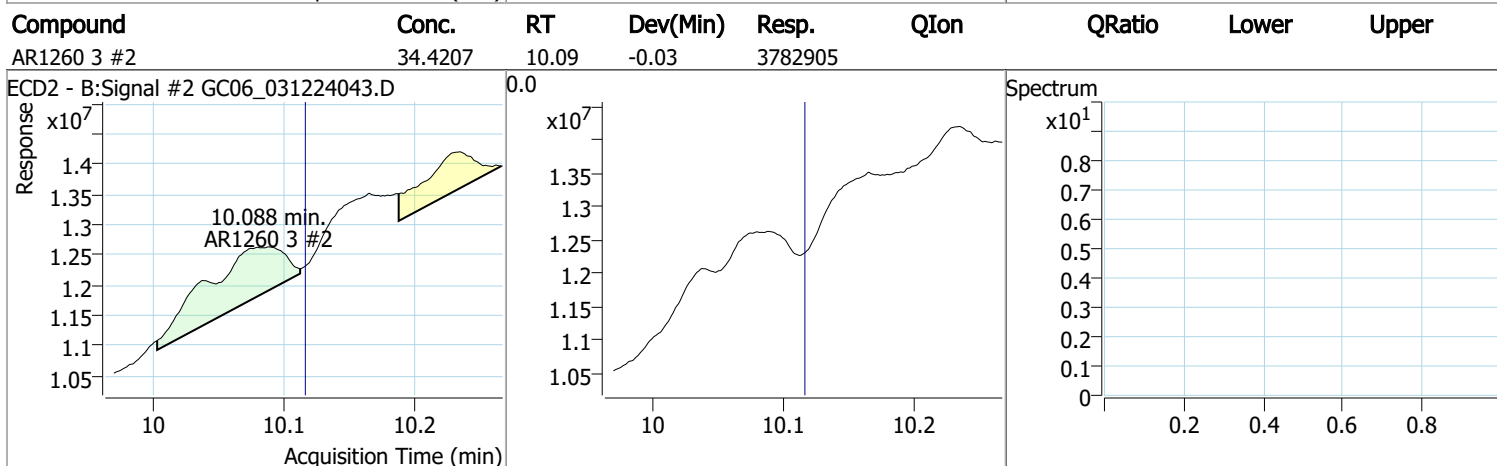
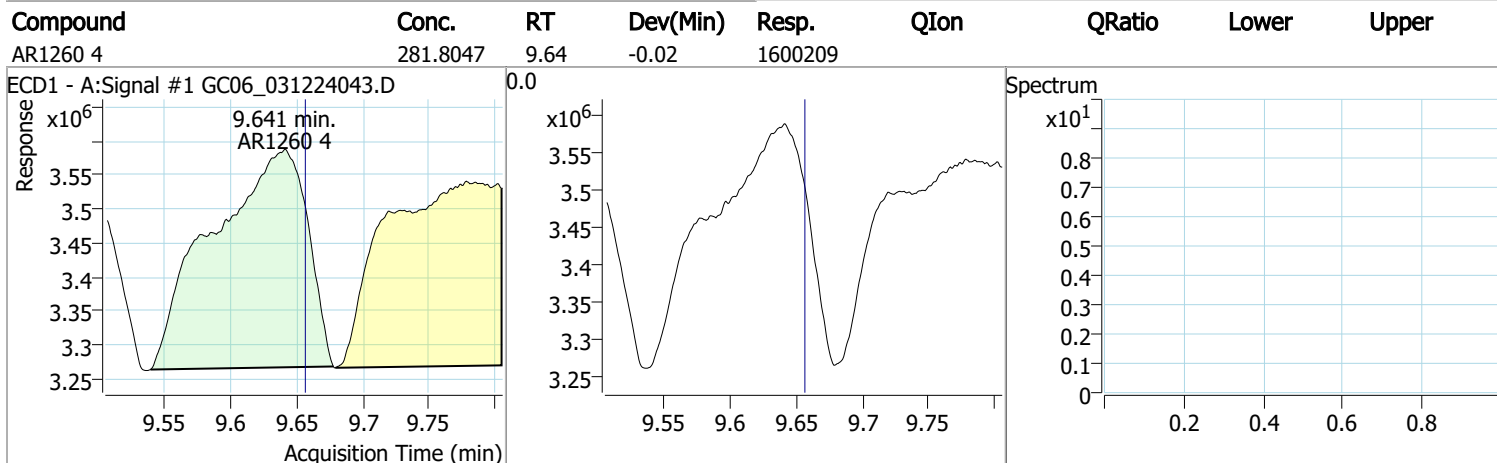
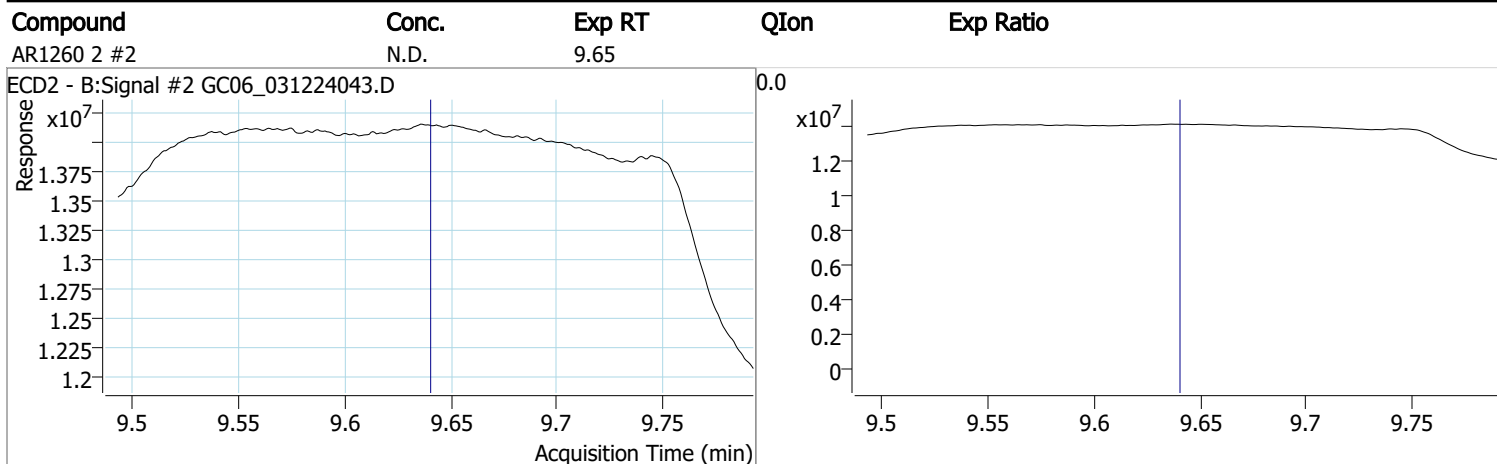
# Quantitation Results Report (Not Reviewed)



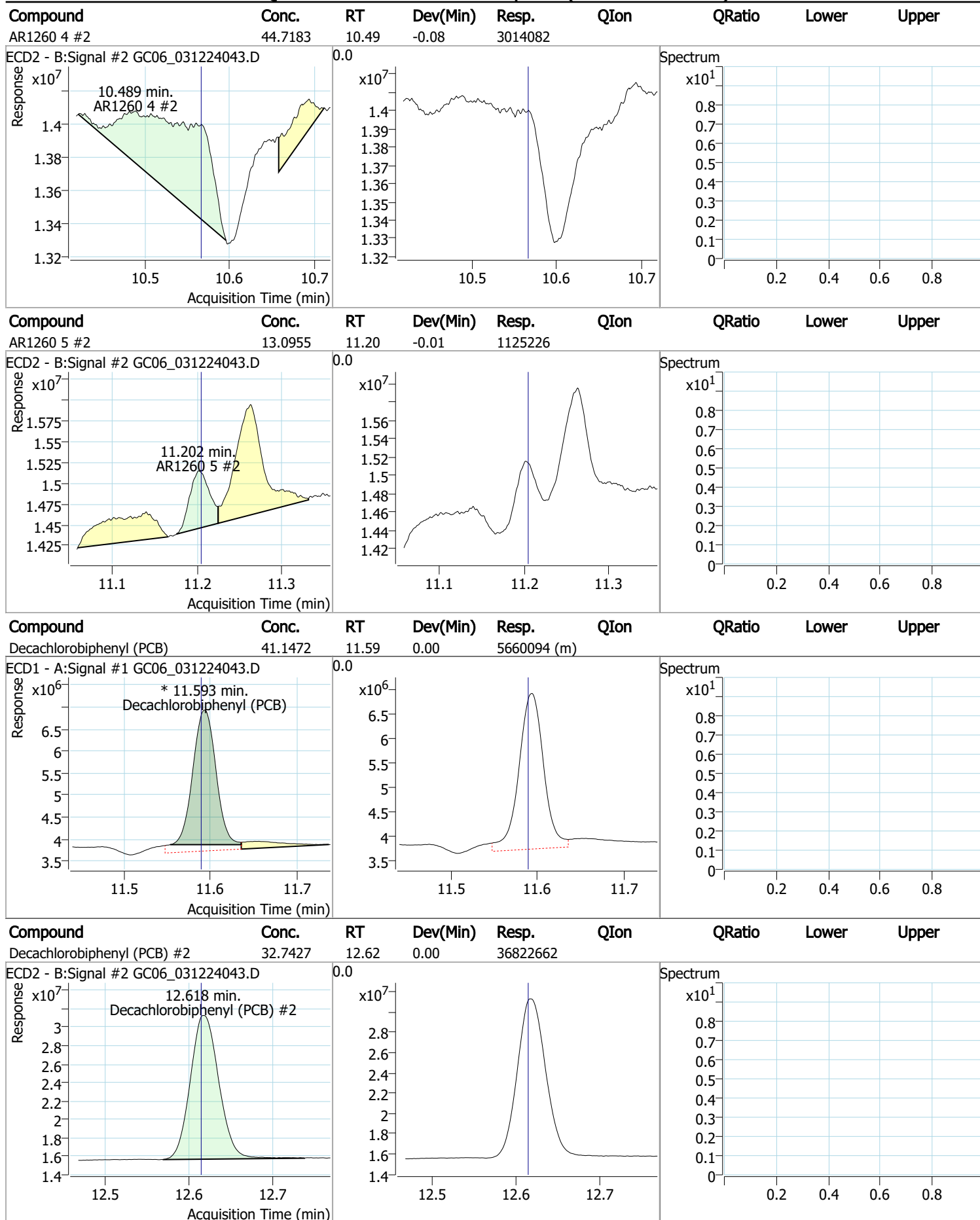
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)





ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                              |
|----------------------|----------------------|--------------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-007   | Client ID: ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA |
| Seqnum: 454104162044 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                       |
| File: gc06_031224044 | Batch: 335088        | Time: 12-MAR-2024 15:06                                      |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                                |

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

| Analyte               | Ch | Raw   | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 305.3 | 3.1 <sup>FP</sup>  | 0.31 | 163% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 154.4 | 1.54               | 0.66 | 81%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 59.14 | 0.59               | 0.55 | 8%   |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 149.7 | 1.50               | 0.06 | 186% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 1139  | 11.39              | 0.24 | 192% |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 23.83 | 0.24               | 0.07 | 114% |      |       |       |
| <b>Aroclor-1221</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | A  | 88.01 | 0.88 <sup>FP</sup> | 0.28 | 103% | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 185.2 | 1.85               | 0.12 | 176% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 5.974 | 0.06               | ND   |      |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 0     | ND                 | 0.60 |      |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 178.8 | 1.79               | 0.55 | 106% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 70.06 | 0.70               | 0.14 | 134% |      |       |       |
| <b>Aroclor-1262</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 41.75 | 0.5000 | 0.4175 | 84   | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 37.35 | 0.5000 | 0.3735 | 75   | 19-121 | c- u  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 25143020     | -24.42 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 1880810      | -39.42 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

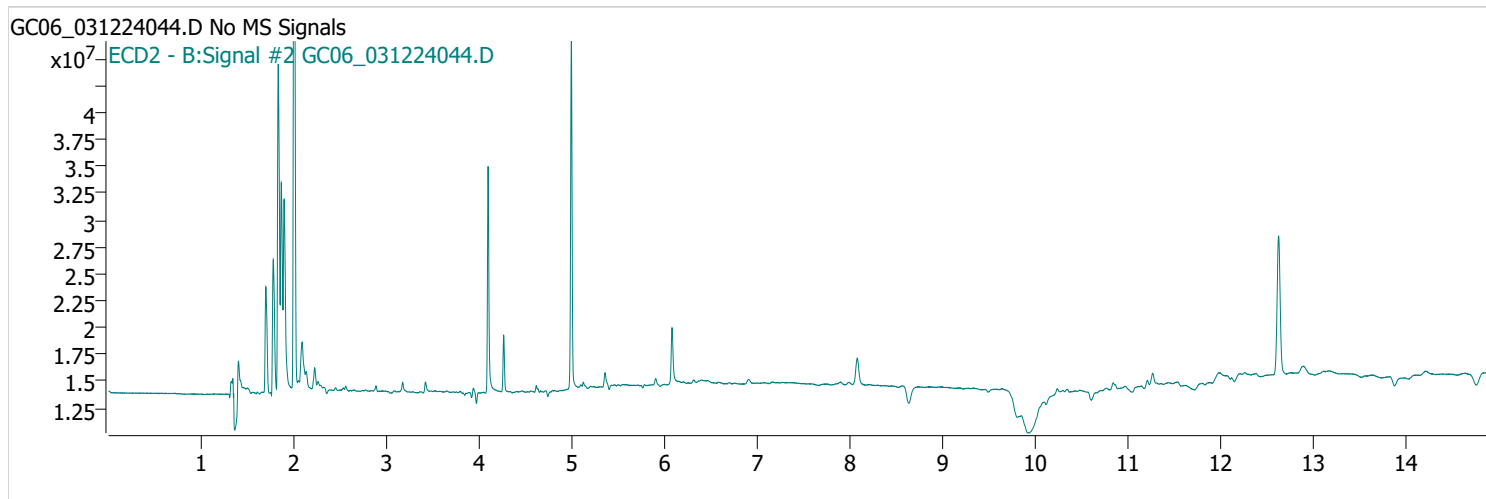
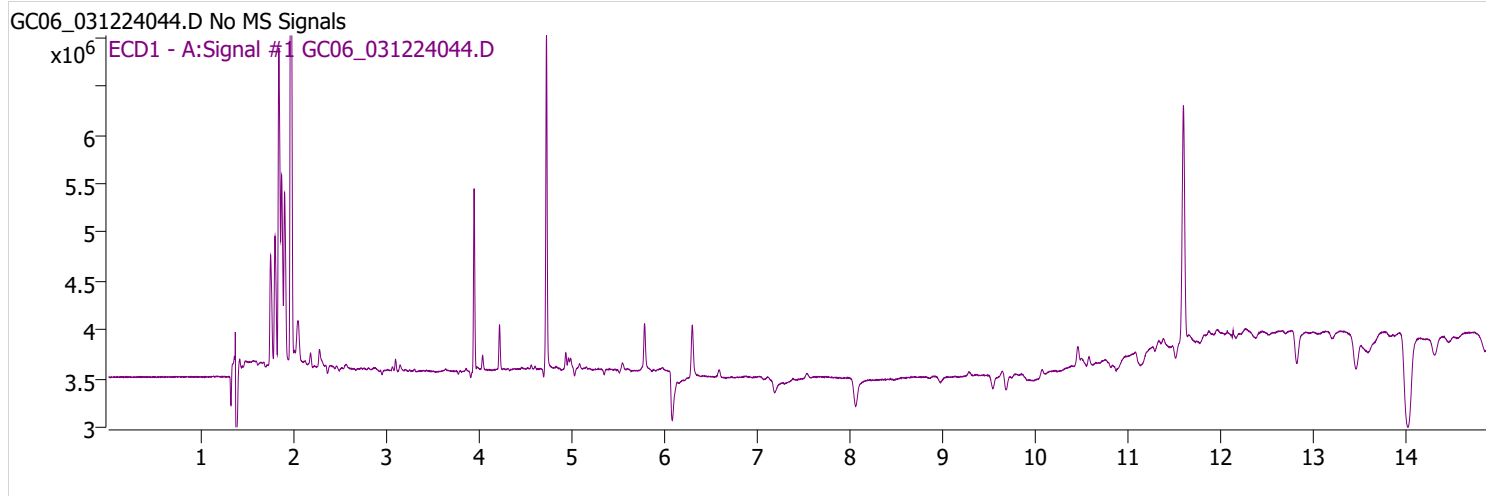
-=low bias c=CCV u=use x=false positive

**Analyst:** MES 03/13/24

**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224044.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 3:06:13 PM |
| Sample Name    | 504073-007, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 13                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 1880810.40<br>0  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.094                | 0.0  | 25143020.0<br>22 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.724                | 0.0  | 3875468.85<br>8  | 41.7530            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 208.76% | *     |          |
| S TCMX (PCB) #2                    | 4.993                | 0.0  | 36136771.3<br>61 | 31.2512            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 156.26% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.595               | 0.0  | 4625750.65<br>0  | 37.3463            | ng/ml | m 0.004  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 186.73% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.622               | 0.0  | 29879184.7<br>69 | 28.5576            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 142.79% |       |          |

## Target Compounds

GC06\_031224044.D

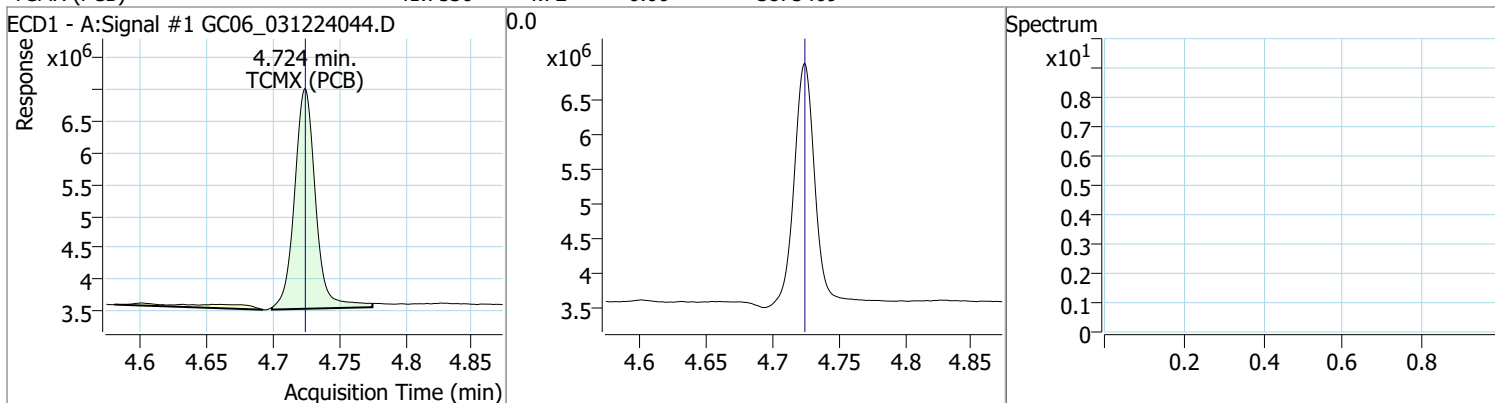
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.       | Conc.     | Units | Dev(Min) |
|---------------|--------|------|-------------|-----------|-------|----------|
| T AR1016 1    | 5.081  | 0.0  | 318161.196  | 154.3517  | ng/ml | 100      |
| T AR1016 2    | 5.403  | 0.0  | 235690.548  | 59.1389   | ng/ml | 100      |
| T AR1016 1 #2 | 5.498  | 0.0  | 1636667.187 | 65.5118   | ng/ml | 100      |
| T AR1016 3    | 5.783  | 0.0  | 759774.510  | 149.7132  | ng/ml | 100      |
| T AR1016 2 #2 | 5.903  | 0.0  | 2786632.893 | 54.7974   | ng/ml | 100      |
| T AR1016 4    | 5.973  | 0.0  | 3460248.532 | 1139.2245 | ng/ml | 100      |
| T AR1016 3 #2 | 6.313  | 0.0  | 386142.649  | 5.5065    | ng/ml | 100      |
| T AR1016 5    | 6.430  | 0.0  | 66317.721   | 23.8303   | ng/ml | 100      |
| T AR1016 4 #2 | 6.395  | 0.0  | 1089286.572 | 23.8871   | ng/ml | 100      |
| T AR1016 5 #2 | 7.082  | 0.0  | 242623.880  | 6.5329    | ng/ml | 100      |
| T AR1260 1    | 7.975  | 0.0  | 1086007.928 | 185.2130  | ng/ml | 100      |
| T AR1260 2    | 8.561  | 0.0  | 53076.789   | 5.9745    | ng/ml | 100      |
| T AR1260 3    | 0.000  | 0.0  | 0           | N.D.      |       |          |
| T AR1260 1 #2 | 9.332  | 0.0  | 874515.442  | 11.9110   | ng/ml | 100      |
| T AR1260 2 #2 | 0.000  | 0.0  | 0           | N.D.      |       |          |
| T AR1260 4    | 9.640  | 0.0  | 914155.029  | 178.7887  | ng/ml | 100      |
| T AR1260 3 #2 | 10.093 | 0.0  | 6098490.998 | 59.6444   | ng/ml | 100      |
| T AR1260 5    | 10.455 | 0.0  | 463790.624  | 70.0647   | ng/ml | 100      |
| T AR1260 4 #2 | 10.473 | 0.0  | 3458430.280 | 55.1522   | ng/ml | 100      |
| T AR1260 5 #2 | 11.204 | 0.0  | 1101999.560 | 13.7853   | ng/ml | 100      |

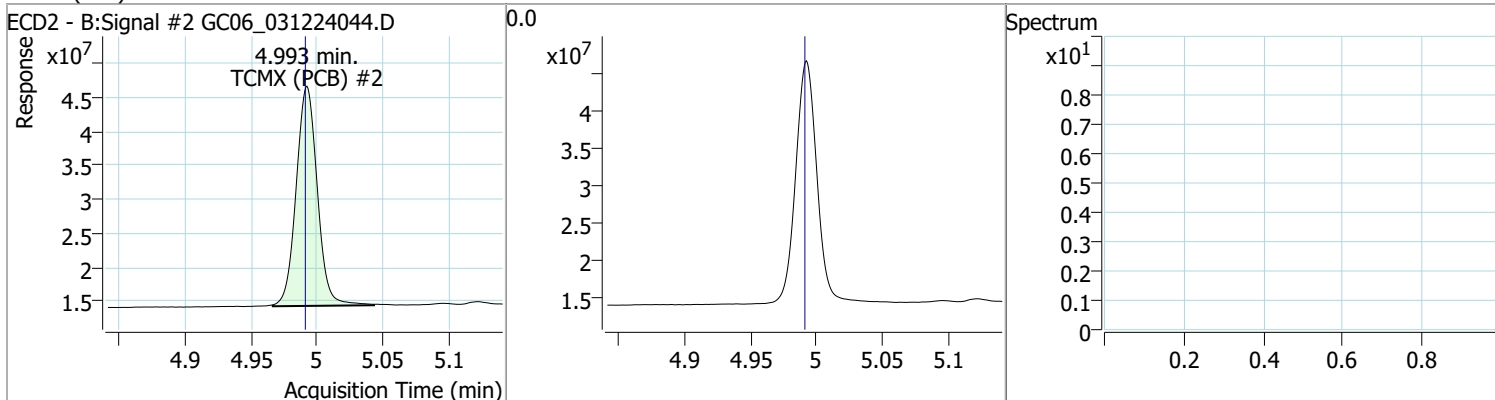
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

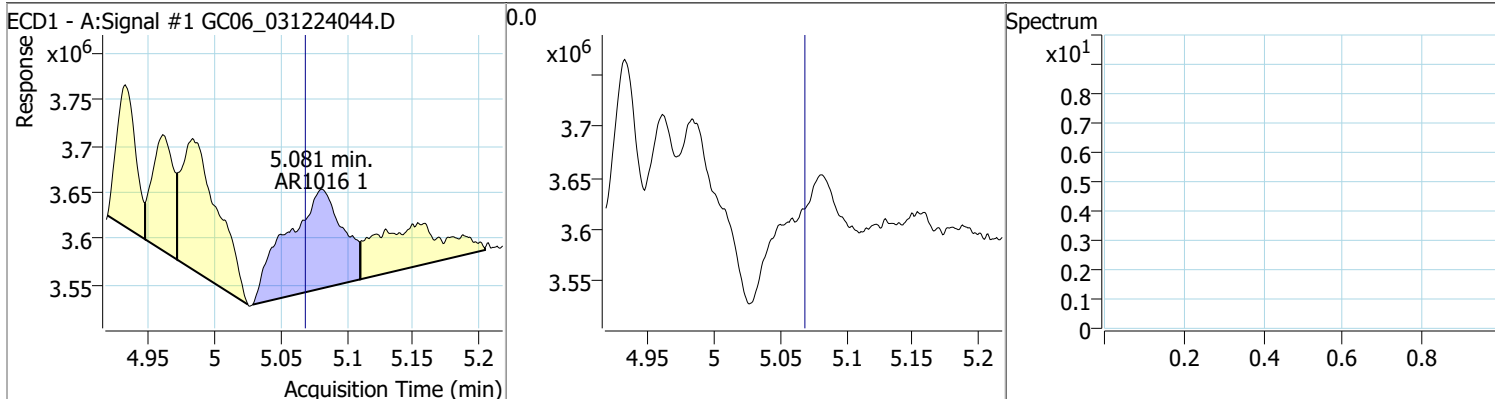
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 41.7530 | 4.72 | 0.00     | 3875469 |      |        |       |       |



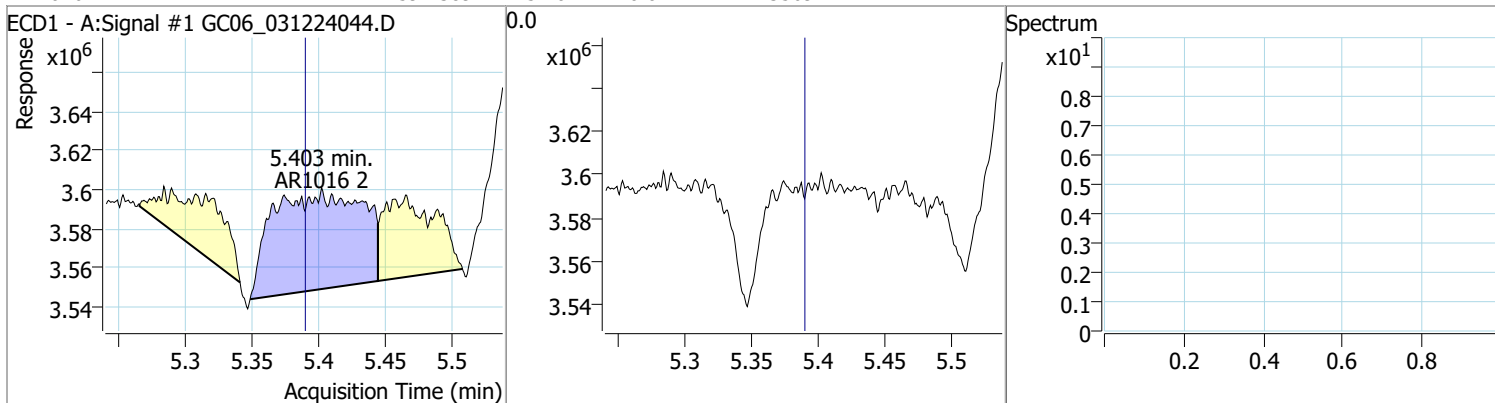
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 31.2512 | 4.99 | 0.00     | 36136771 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 154.3517 | 5.08 | 0.01     | 318161 |      |        |       |       |

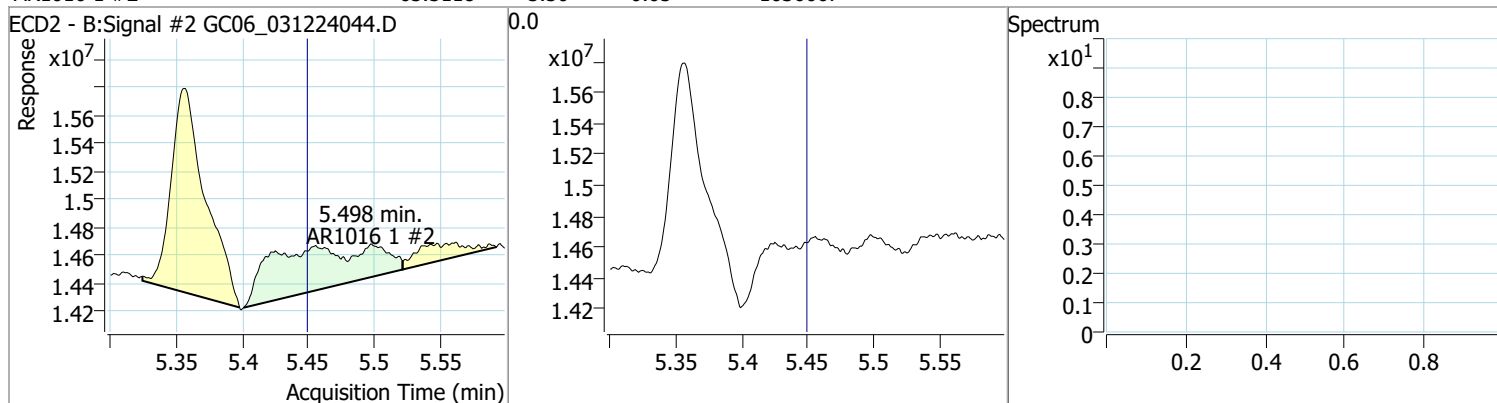


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 59.1389 | 5.40 | 0.01     | 235691 |      |        |       |       |

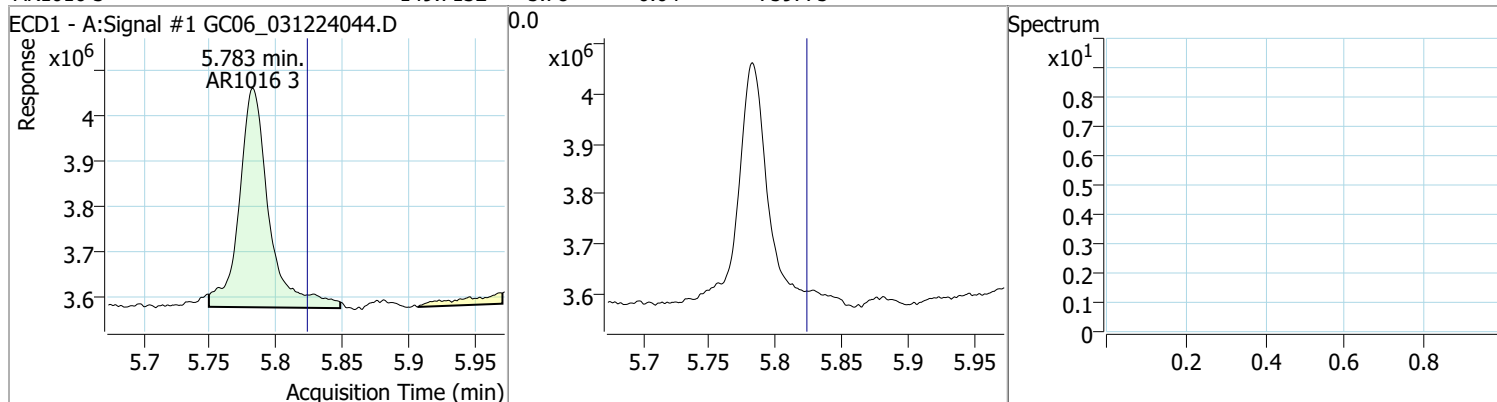


# Quantitation Results Report (Not Reviewed)

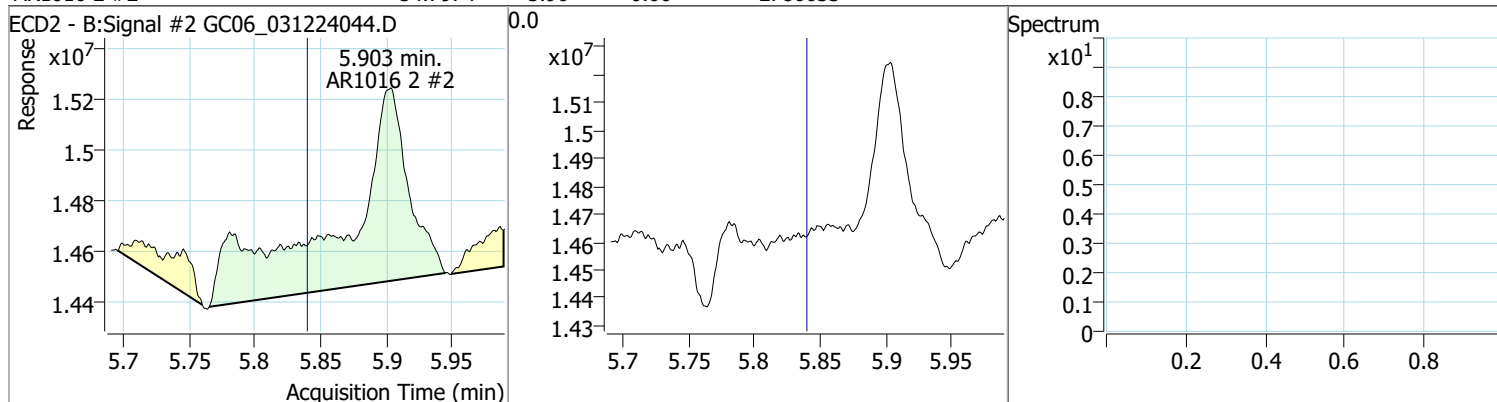
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 65.5118 | 5.50 | 0.05     | 1636667 |      |        |       |       |



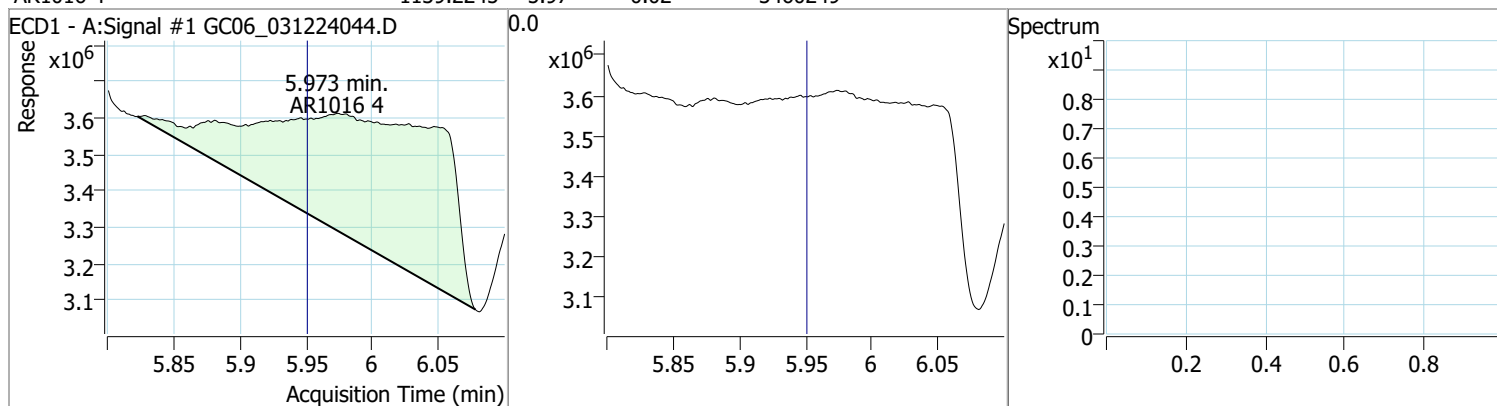
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 3 | 149.7132 | 5.78 | -0.04    | 759775 |      |        |       |       |



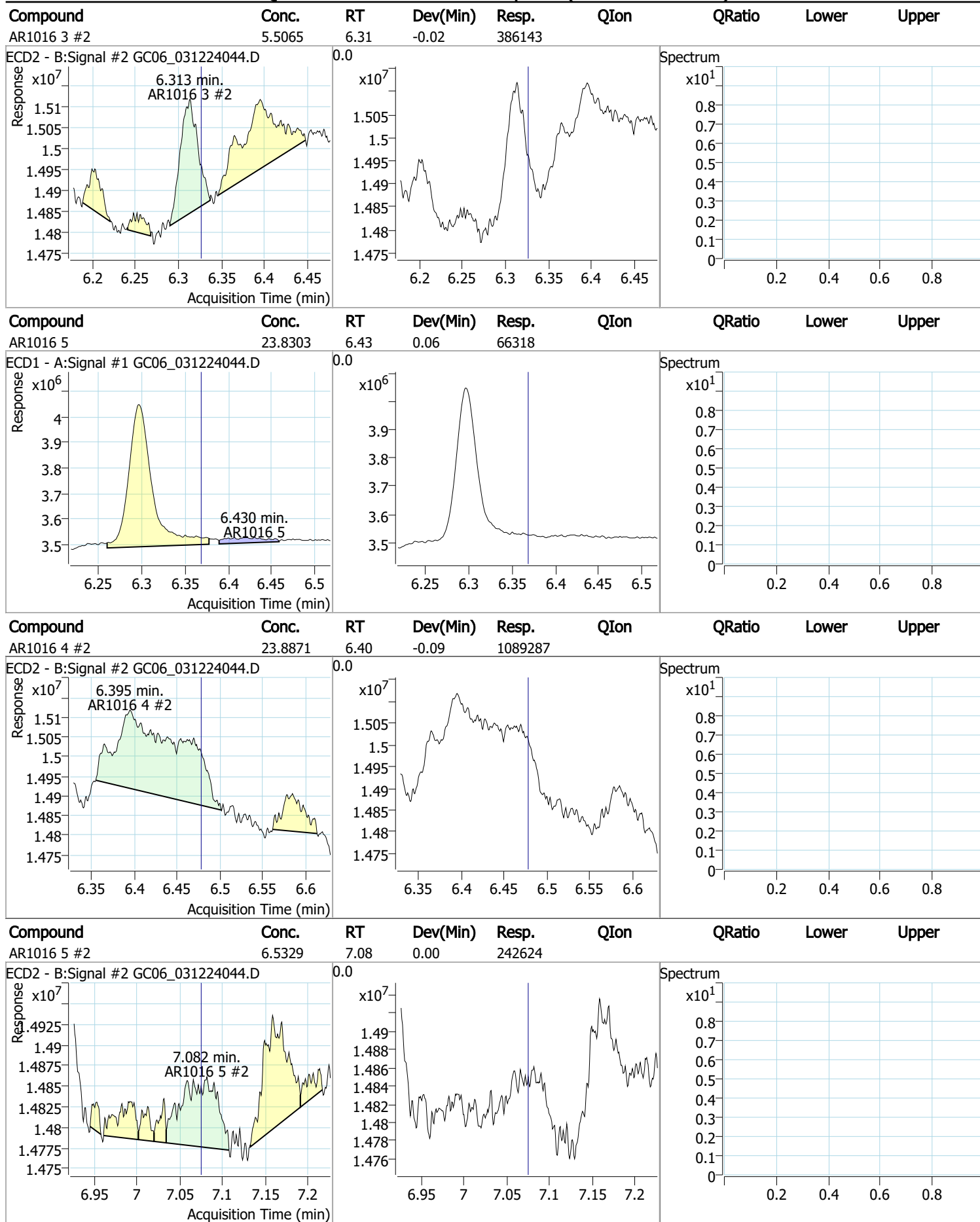
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 54.7974 | 5.90 | 0.06     | 2786633 |      |        |       |       |



| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 1139.2245 | 5.97 | 0.02     | 3460249 |      |        |       |       |



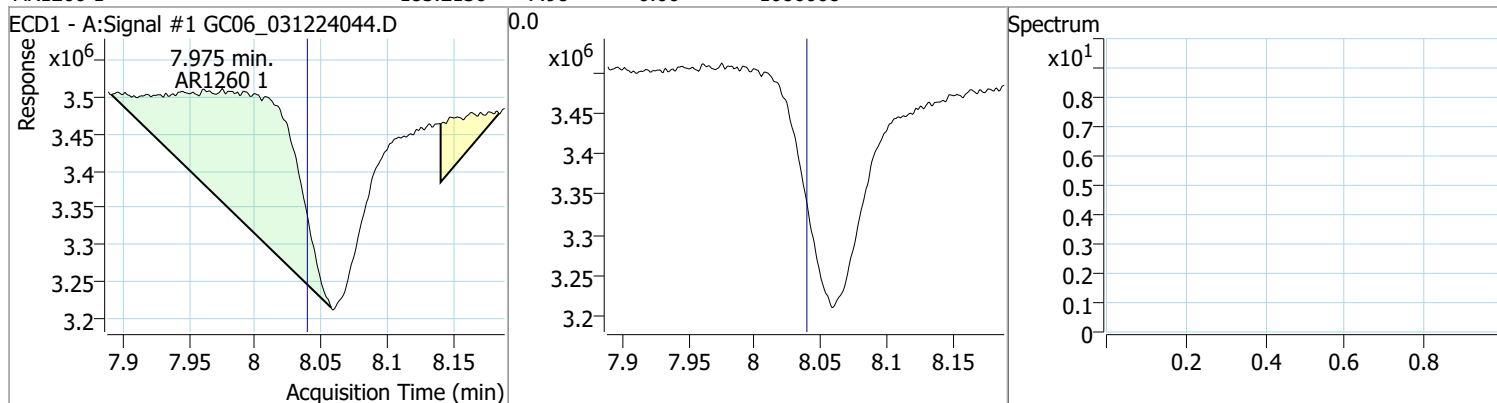
# Quantitation Results Report (Not Reviewed)



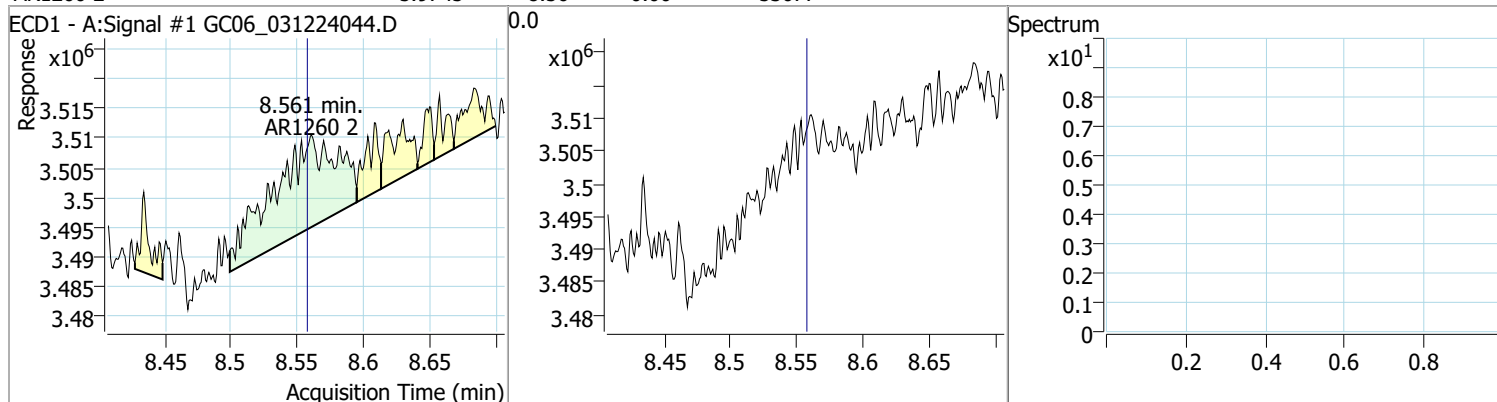


# Quantitation Results Report (Not Reviewed)

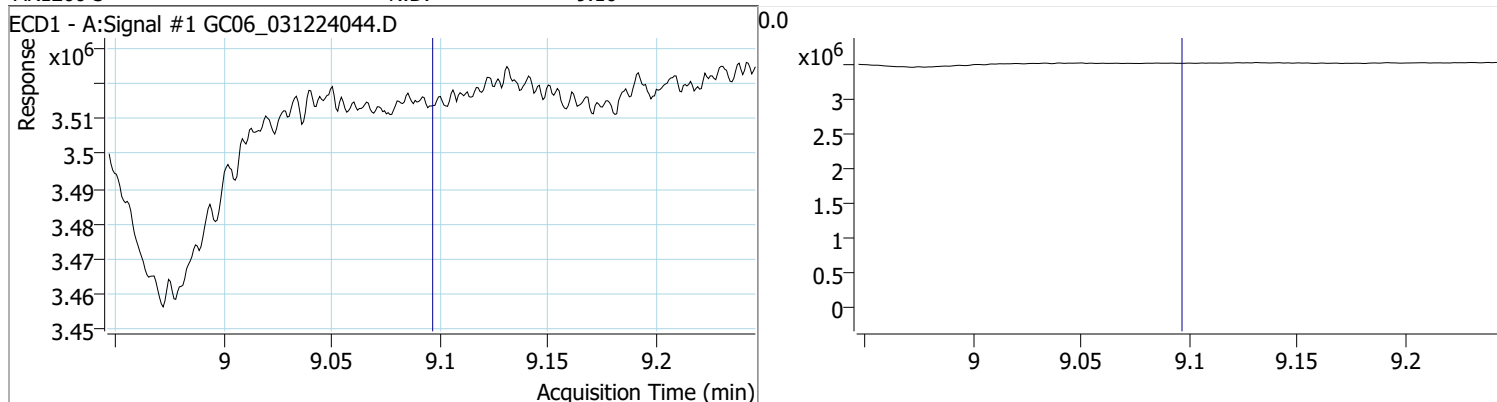
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 185.2130 | 7.98 | -0.06    | 1086008 |      |        |       |       |



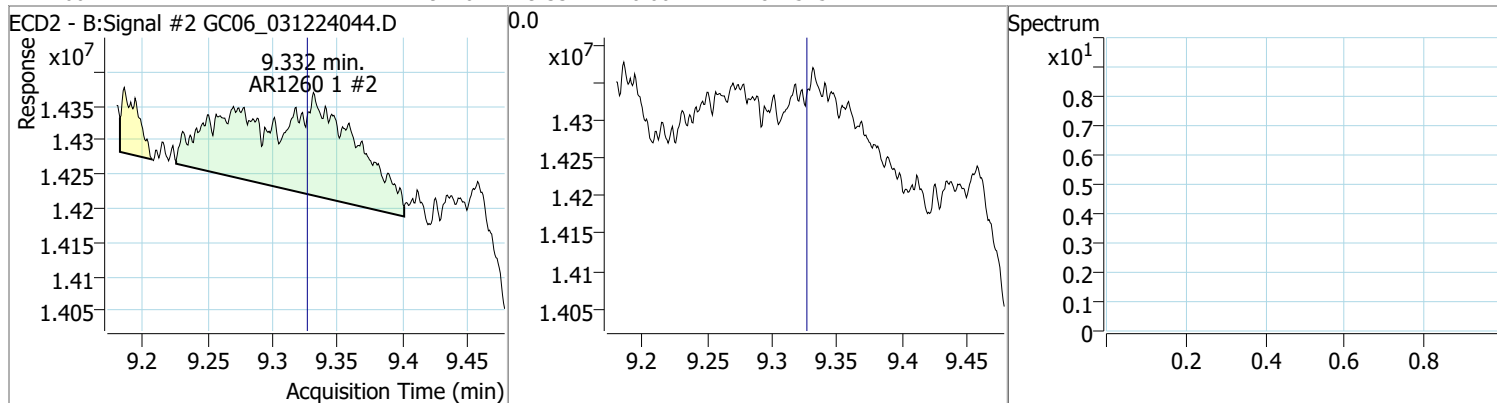
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 5.9745 | 8.56 | 0.00     | 53077 |      |        |       |       |



| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| AR1260 3 | N.D.  | 9.10   |      |           |



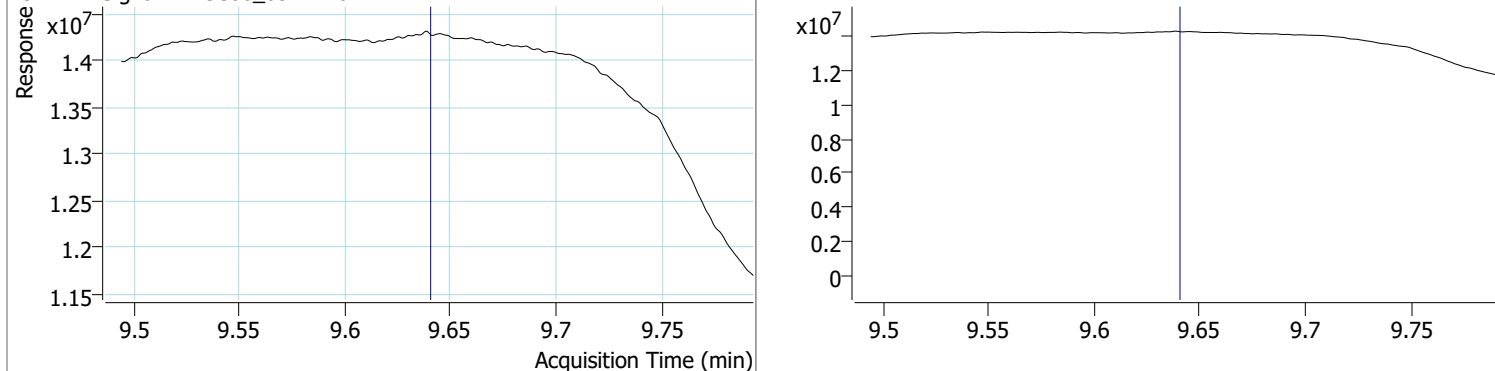
| Compound    | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 1 #2 | 11.9110 | 9.33 | 0.00     | 874515 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

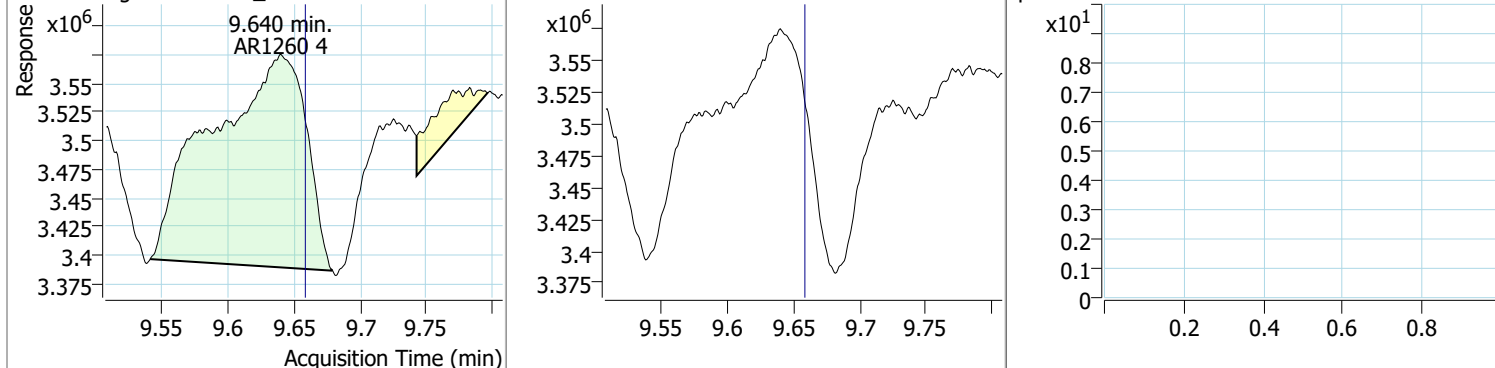
| Compound    | Conc. | Exp RT | QIon | Exp Ratio |
|-------------|-------|--------|------|-----------|
| AR1260 2 #2 | N.D.  | 9.65   |      |           |

ECD2 - B:Signal #2 GC06\_031224044.D



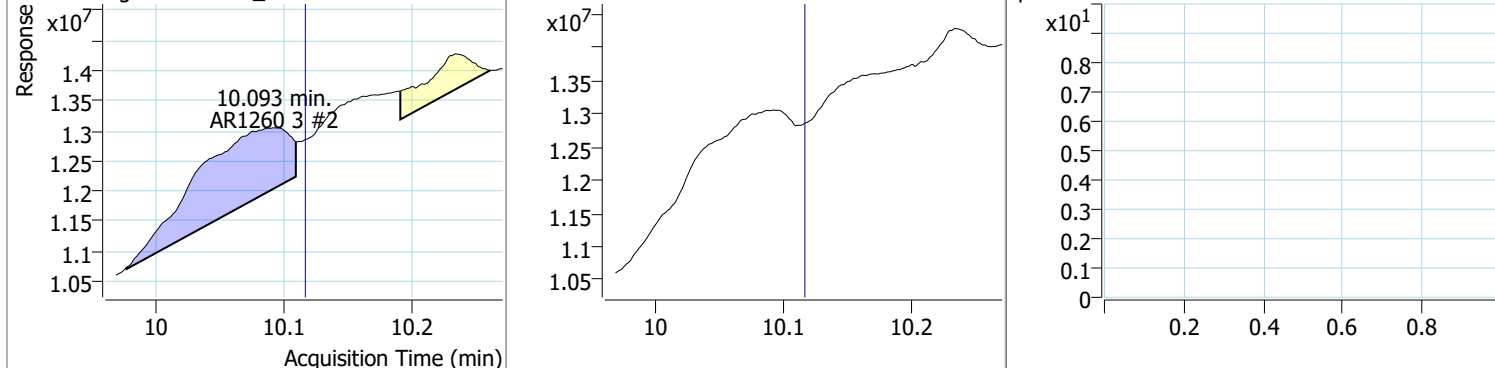
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1260 4 | 178.7887 | 9.64 | -0.02    | 914155 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_031224044.D



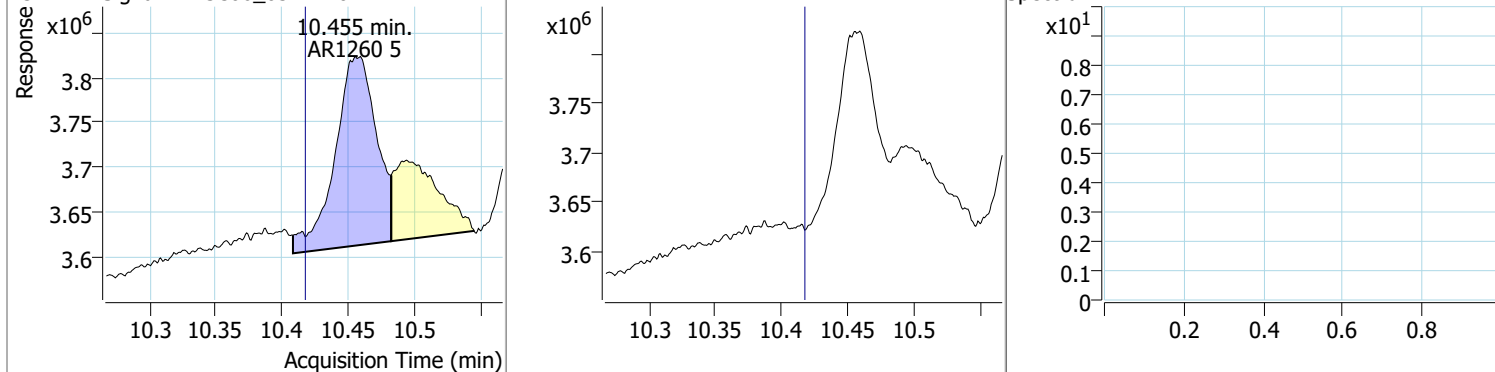
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 59.6444 | 10.09 | -0.03    | 6098491 |      |        |       |       |

ECD2 - B:Signal #2 GC06\_031224044.D

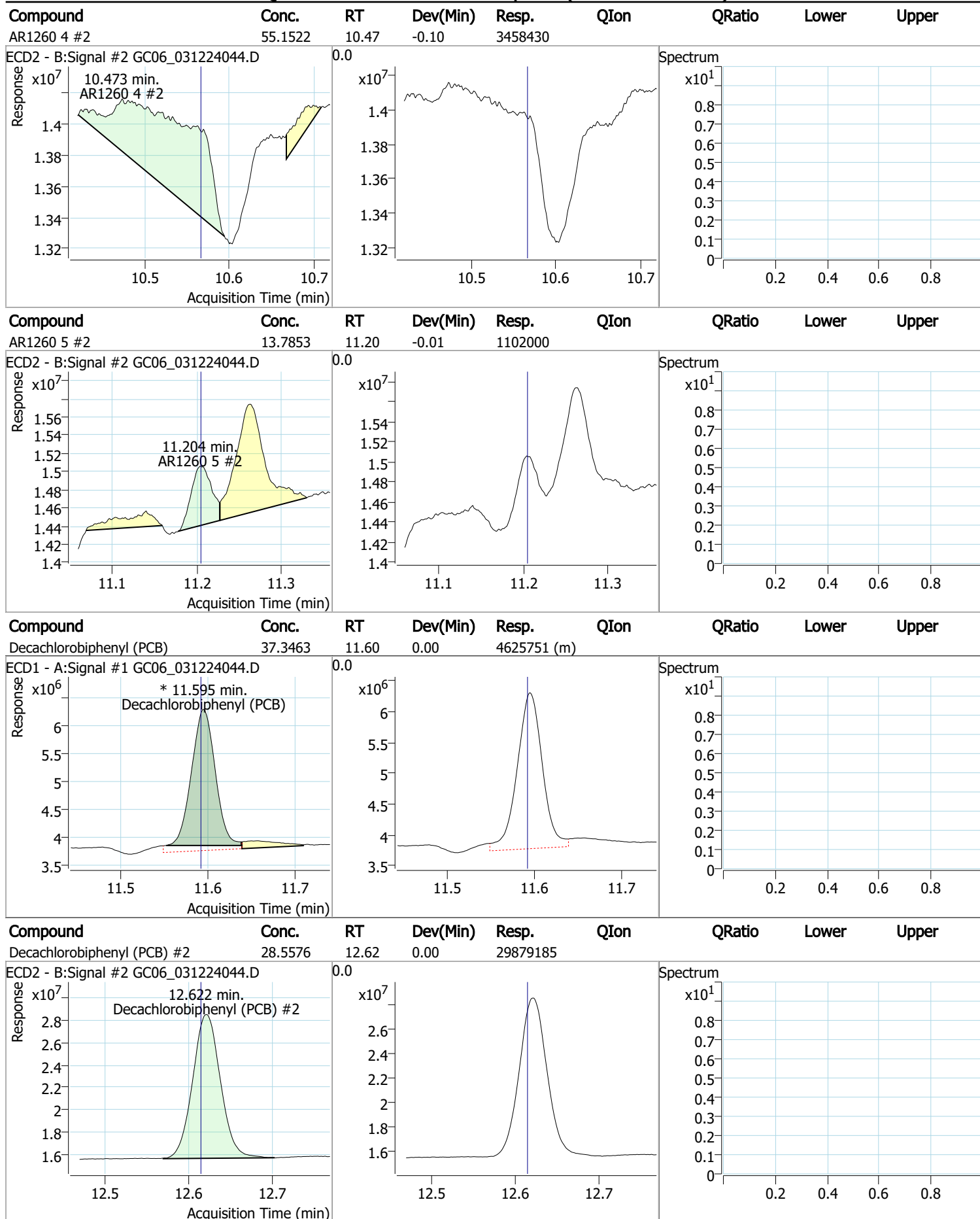


| Compound | Conc.   | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 70.0647 | 10.46 | 0.04     | 463791 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_031224044.D



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-009   | Client ID: ARCH-C14W-DG-2 TO 2.5-240308-P-FB |
| Seqnum: 454104162045 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: gc06_031224045 | Batch: 335088        | Time: 12-MAR-2024 15:25                      |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                |

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

| Analyte               | Ch | Raw   | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 336.0 | 3.4 <sup>FP</sup>  | 0.38 | 159% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 171.7 | 1.72               | 0.91 | 62%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 91.43 | 0.91               | 0.53 | 53%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 152.6 | 1.53               | 0.03 | 192% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 1101  | 11.01              | 0.33 | 188% |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 163.0 | 1.63               | 0.10 | 177% |      |       |       |
| <b>Aroclor-1221</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | A  | 88.80 | 0.89 <sup>FP</sup> | 0.22 | 120% | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 166.3 | 1.66               | 0.06 | 186% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 5.025 | 0.05               | 0.29 | 141% |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 28.71 | 0.29               | 0.24 | 18%  |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 168.7 | 1.69               | 0.29 | 141% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 75.22 | 0.75               | 0.22 | 108% |      |       |       |
| <b>Aroclor-1262</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                 |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 40.94 | 0.5000 | 0.4094 | 82   | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 36.66 | 0.5000 | 0.3666 | 73   | 19-121 | c- u  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 23245397     | -30.13 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 1898280      | -38.86 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

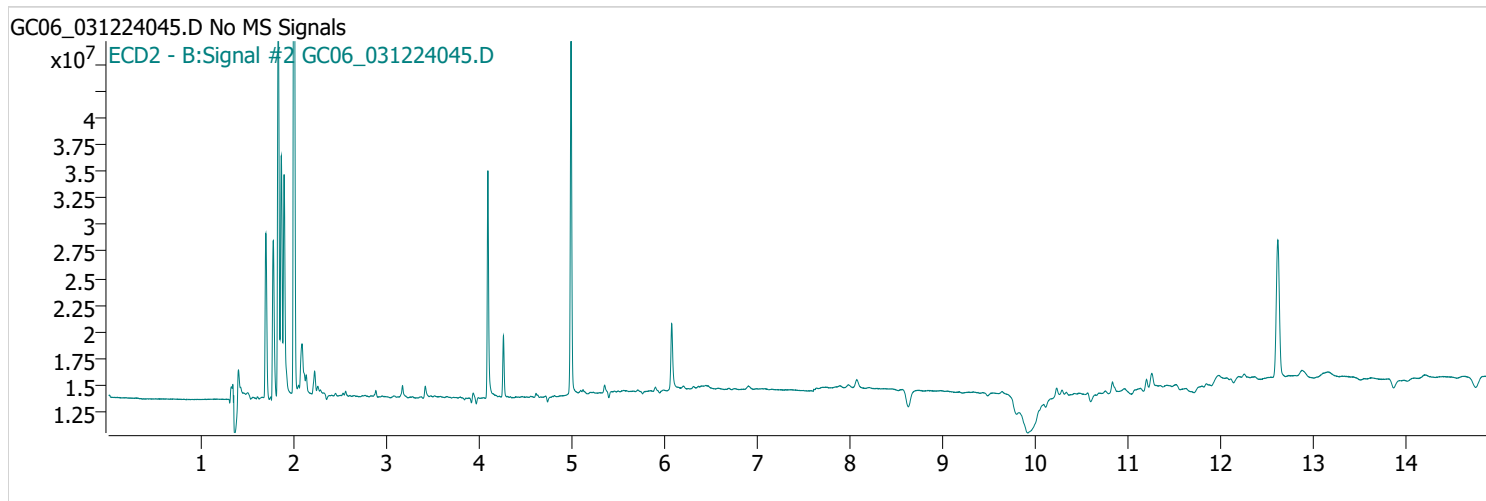
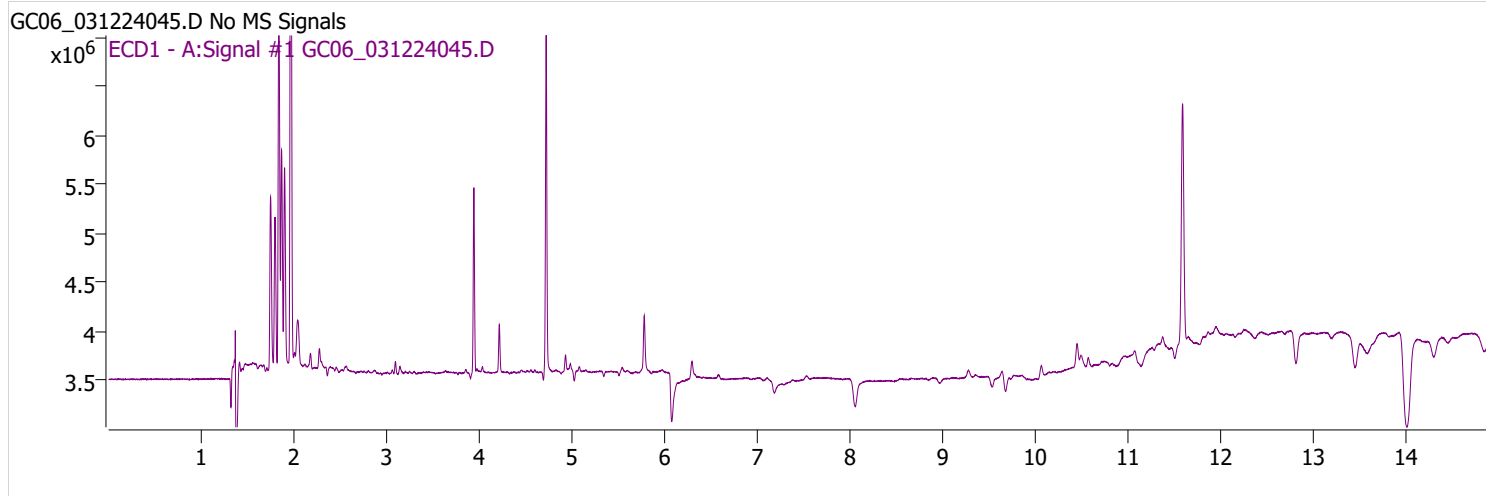
-=>low bias c=CCV u=use x=false positive

**Analyst:** MES 03/13/24

**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224045.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 3:25:49 PM |
| Sample Name    | 504073-009, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 14                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 1898280.36<br>3  | 20.0000            | ng/ml | -0.001   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.094                | 0.0  | 23245397.3<br>12 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 3835383.72<br>2  | 40.9408            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 204.70% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 36477349.9<br>38 | 34.1209            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 170.60% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.592               | 0.0  | 4583313.30<br>0  | 36.6631            | ng/ml | m 0.001  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 183.32% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.620               | 0.0  | 30244478.3<br>95 | 31.2665            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 156.33% | *     |          |

## Target Compounds

GC06\_031224045.D

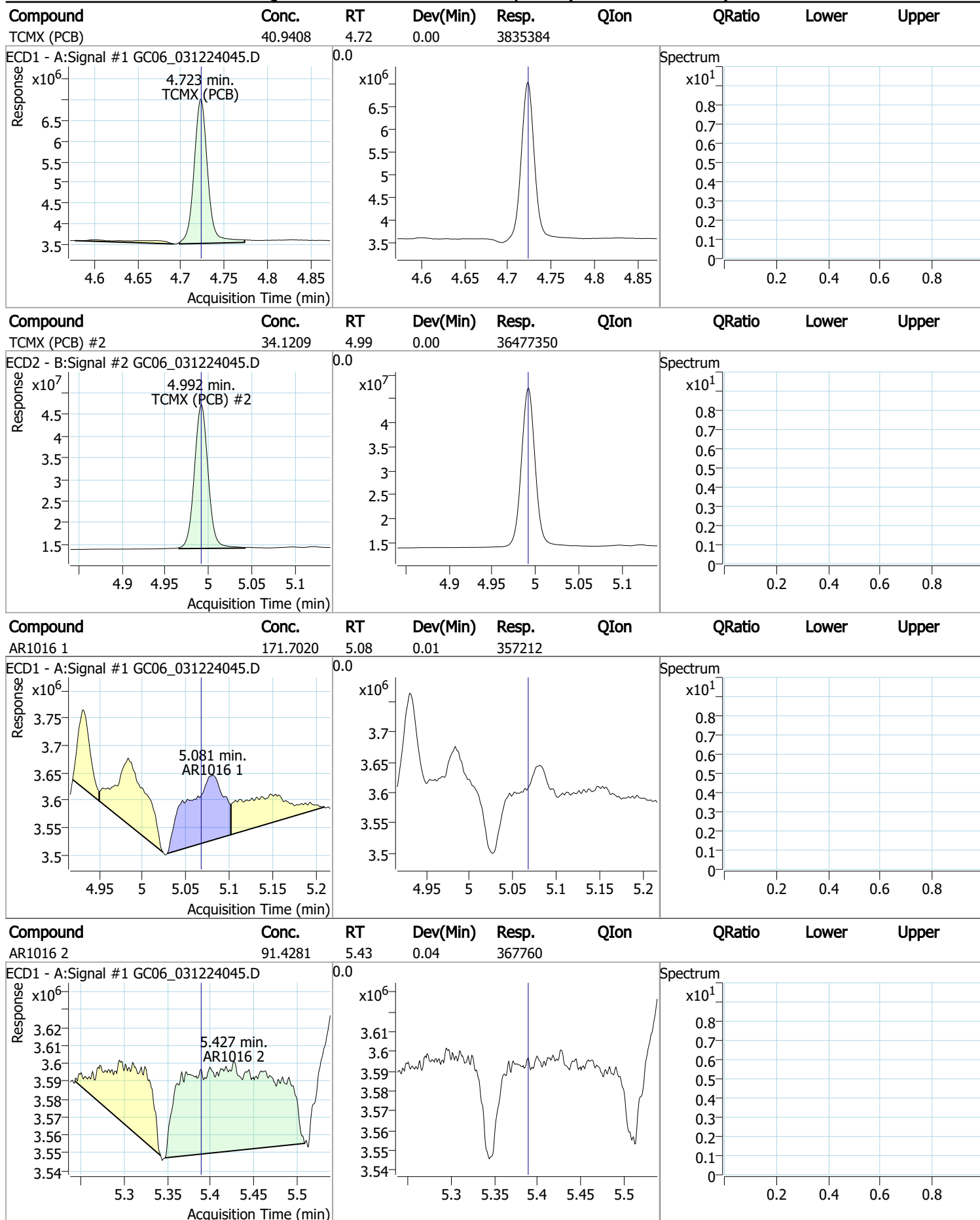
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.       | Conc.     | Units | Dev(Min) |
|---------------|--------|------|-------------|-----------|-------|----------|
| T AR1016 1    | 5.081  | 0.0  | 357212.272  | 171.7020  | ng/ml | 100      |
| T AR1016 2    | 5.427  | 0.0  | 367759.603  | 91.4281   | ng/ml | 100      |
| T AR1016 1 #2 | 5.354  | 0.0  | 2093810.527 | 90.6519   | ng/ml | 100      |
| T AR1016 3    | 5.782  | 0.0  | 781830.882  | 152.6416  | ng/ml | 100      |
| T AR1016 2 #2 | 5.903  | 0.0  | 2499902.780 | 53.1721   | ng/ml | 100      |
| T AR1016 4    | 5.979  | 0.0  | 3376730.053 | 1101.4962 | ng/ml | 100      |
| T AR1016 3 #2 | 6.315  | 0.0  | 198206.142  | 3.0572    | ng/ml | 100      |
| T AR1016 5    | 6.298  | 0.0  | 457752.571  | 162.9730  | ng/ml | 100      |
| T AR1016 4 #2 | 6.445  | 0.0  | 1405693.807 | 33.3421   | ng/ml | 100      |
| T AR1016 5 #2 | 7.046  | 0.0  | 343382.336  | 10.0007   | ng/ml | 100      |
| T AR1260 1    | 7.978  | 0.0  | 984409.509  | 166.3409  | ng/ml | 100      |
| T AR1260 2    | 8.563  | 0.0  | 45058.485   | 5.0252    | ng/ml | 100      |
| T AR1260 3    | 9.099  | 0.0  | 265636.939  | 28.7082   | ng/ml | 100      |
| T AR1260 1 #2 | 9.333  | 0.0  | 403825.103  | 5.9492    | ng/ml | 100      |
| T AR1260 2 #2 | 9.644  | 0.0  | 2336727.717 | 28.9254   | ng/ml | 100      |
| T AR1260 4    | 9.644  | 0.0  | 870634.325  | 168.7100  | ng/ml | 100      |
| T AR1260 3 #2 | 10.233 | 0.0  | 2273866.726 | 24.0543   | ng/ml | 100      |
| T AR1260 5    | 10.453 | 0.0  | 502544.483  | 75.2205   | ng/ml | 100      |
| T AR1260 4 #2 | 10.566 | 0.0  | 1697616.128 | 29.2822   | ng/ml | 100      |
| T AR1260 5 #2 | 11.203 | 0.0  | 1650700.587 | 22.3349   | ng/ml | 100      |

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

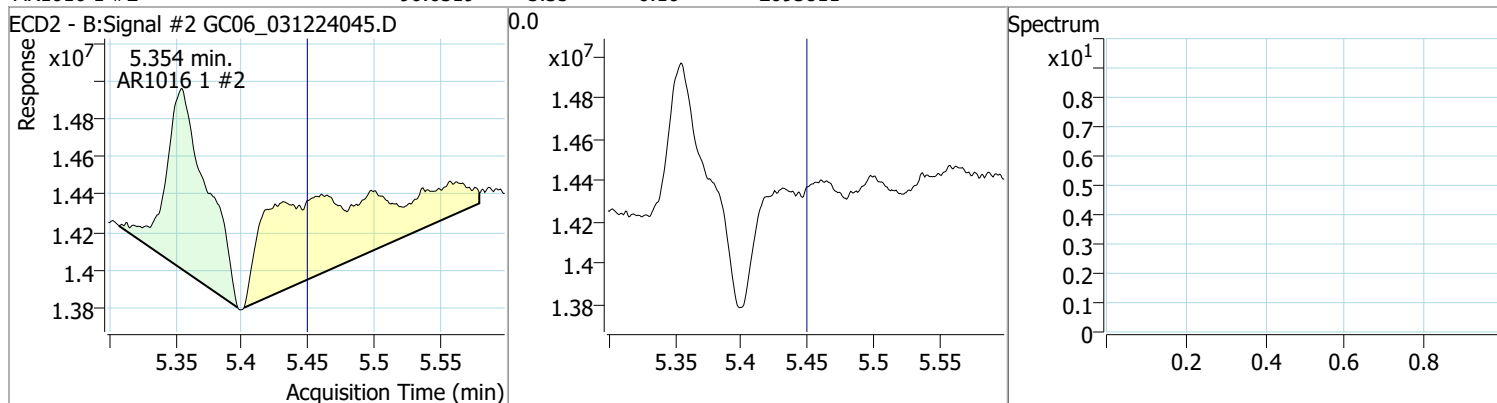


# Quantitation Results Report (Not Reviewed)

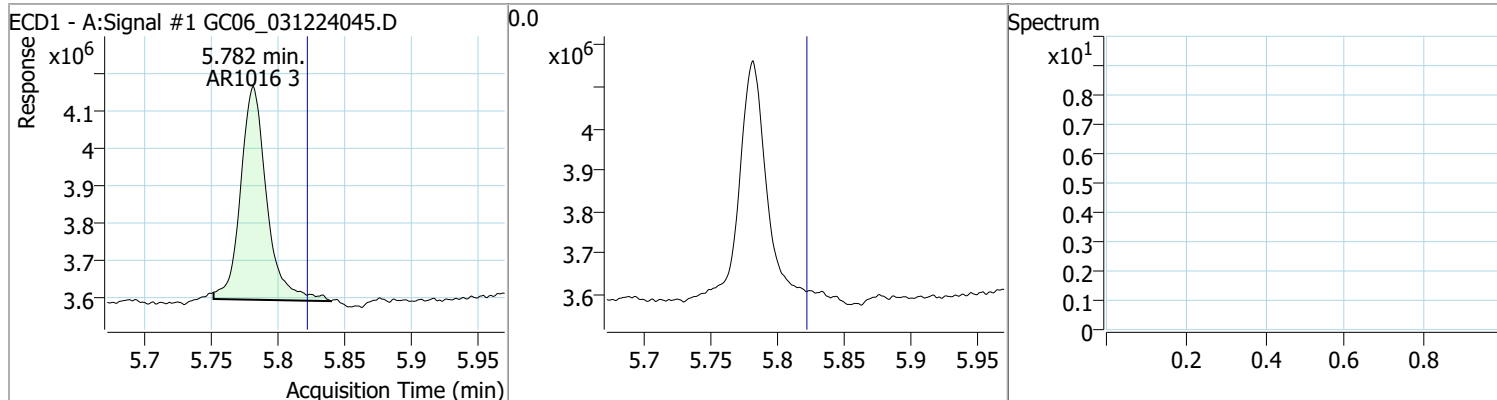


# Quantitation Results Report (Not Reviewed)

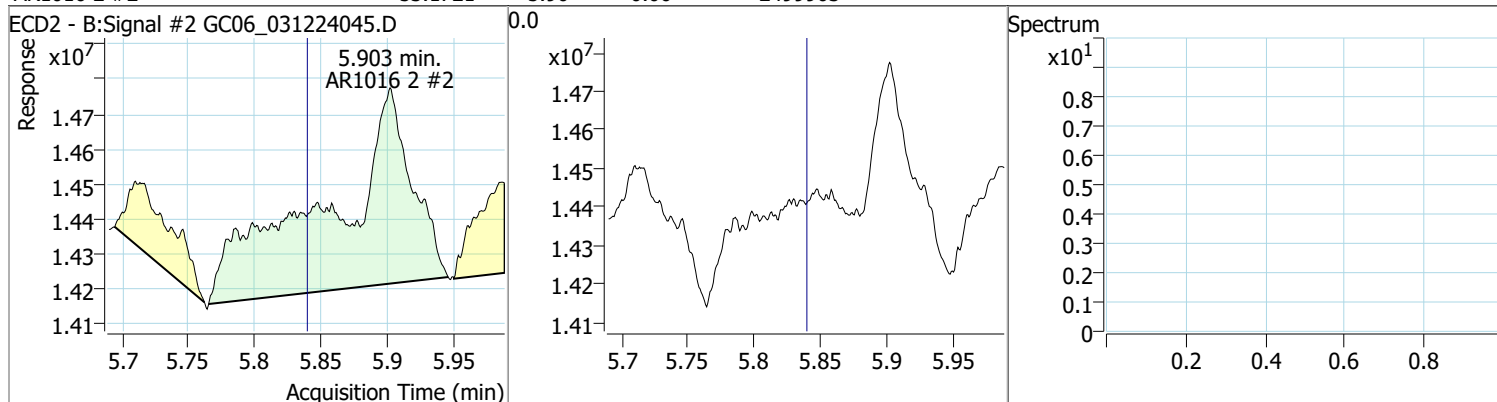
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 90.6519 | 5.35 | -0.10    | 2093811 |      |        |       |       |



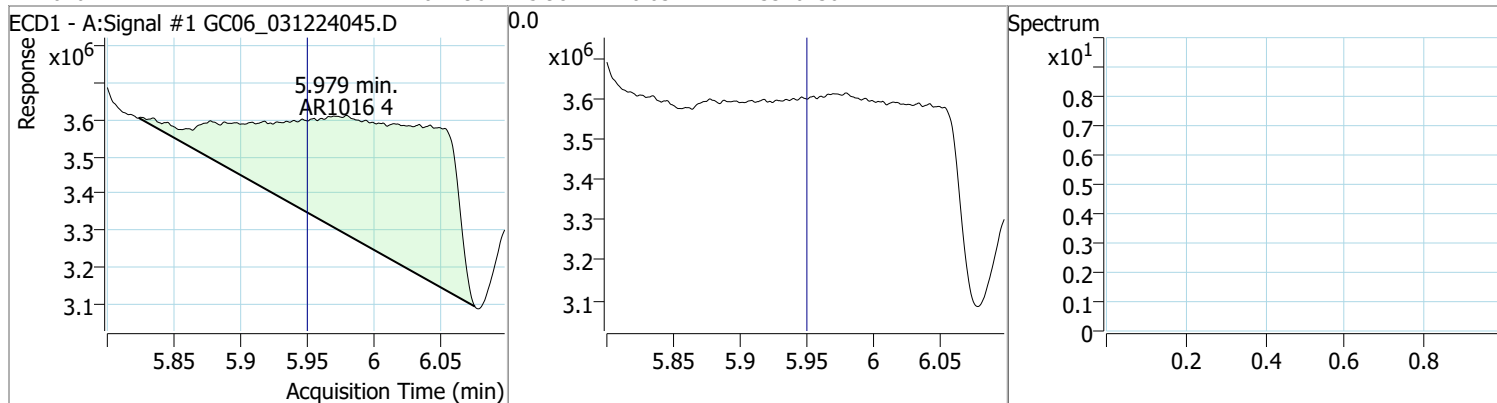
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 3 | 152.6416 | 5.78 | -0.04    | 781831 |      |        |       |       |



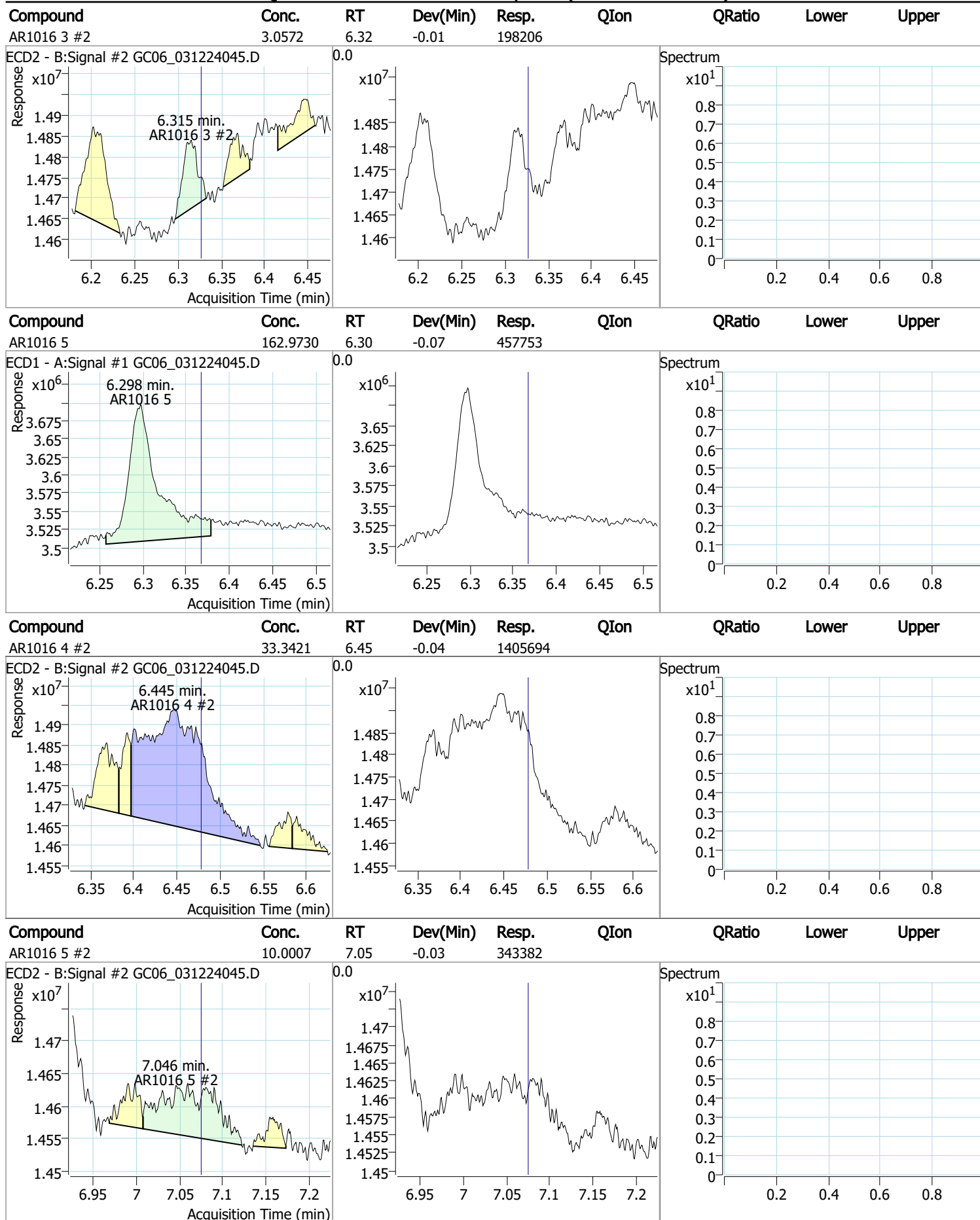
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 53.1721 | 5.90 | 0.06     | 2499903 |      |        |       |       |



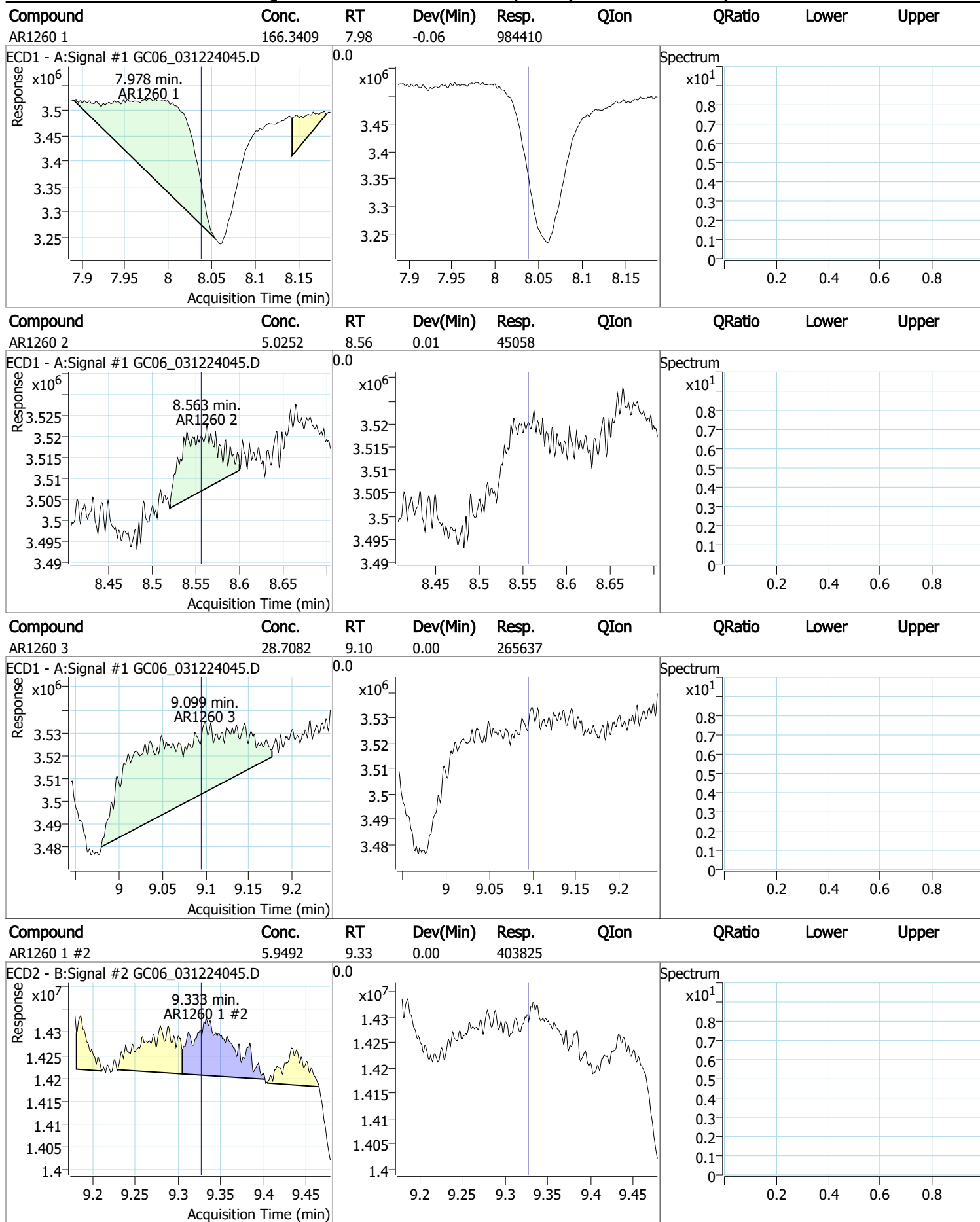
| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 1101.4962 | 5.98 | 0.03     | 3376730 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

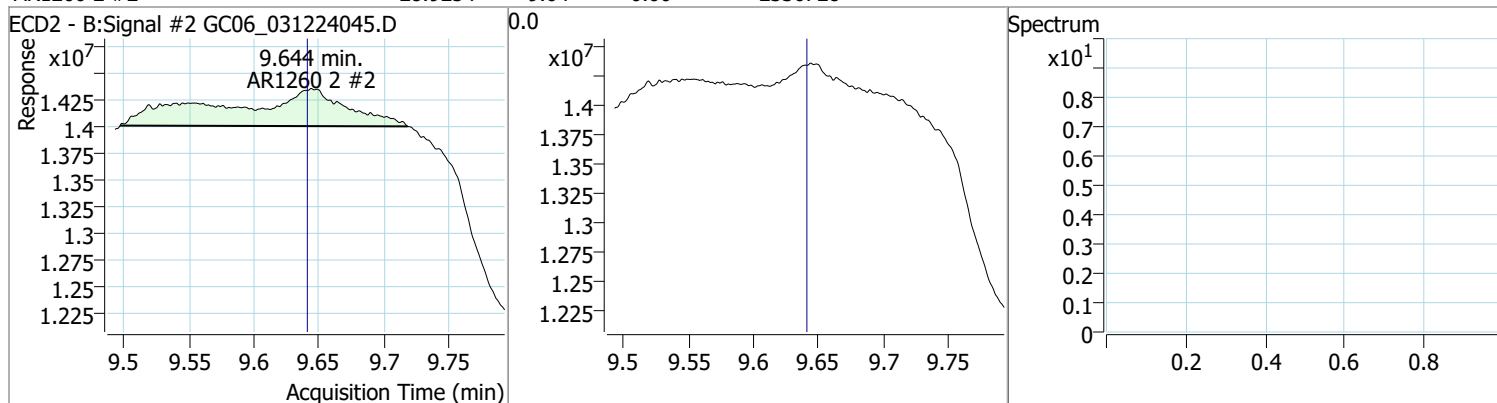


# Quantitation Results Report (Not Reviewed)

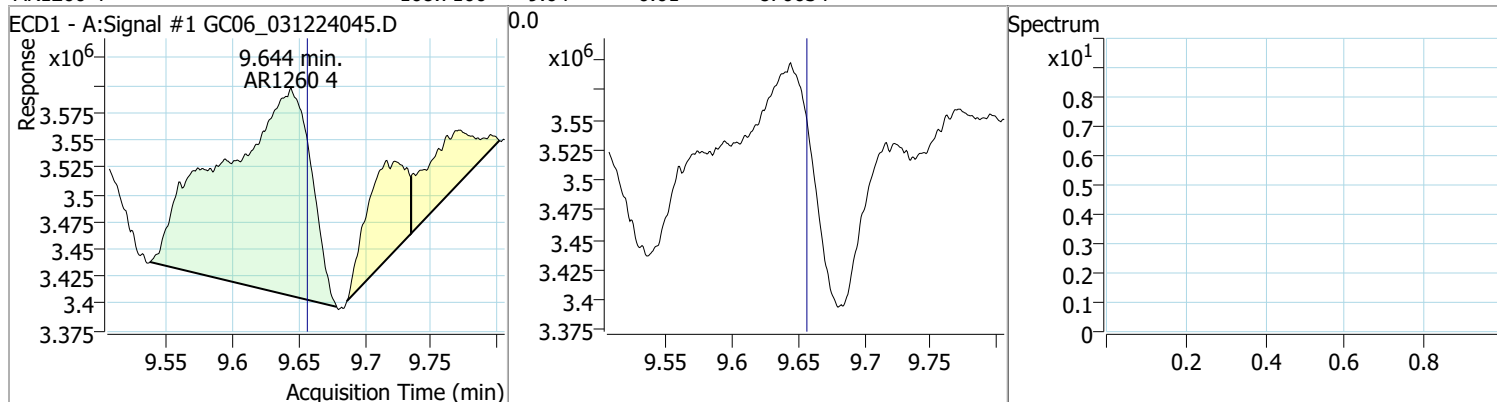


# Quantitation Results Report (Not Reviewed)

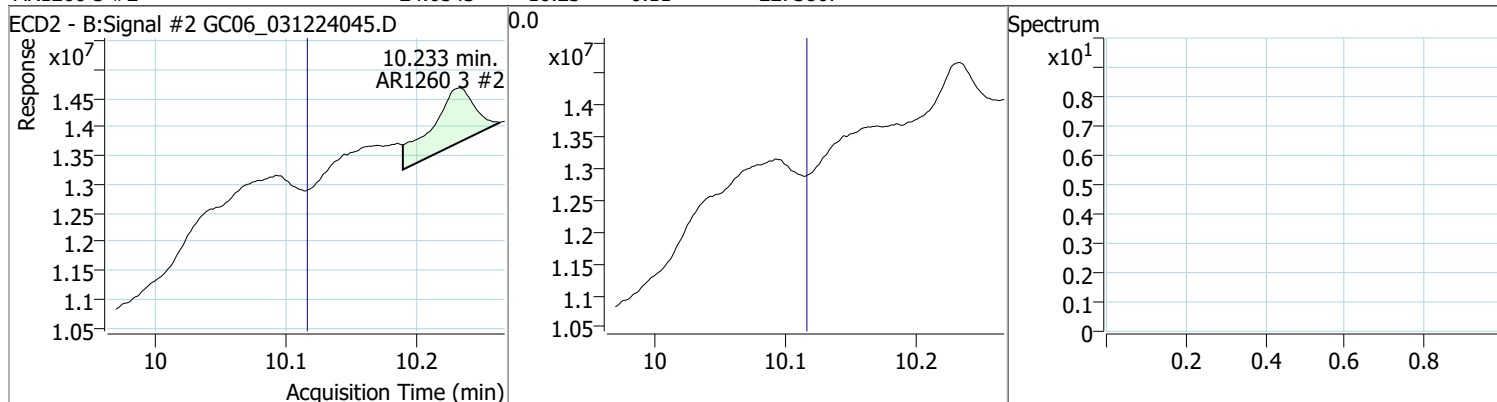
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 2 #2 | 28.9254 | 9.64 | 0.00     | 2336728 |      |        |       |       |



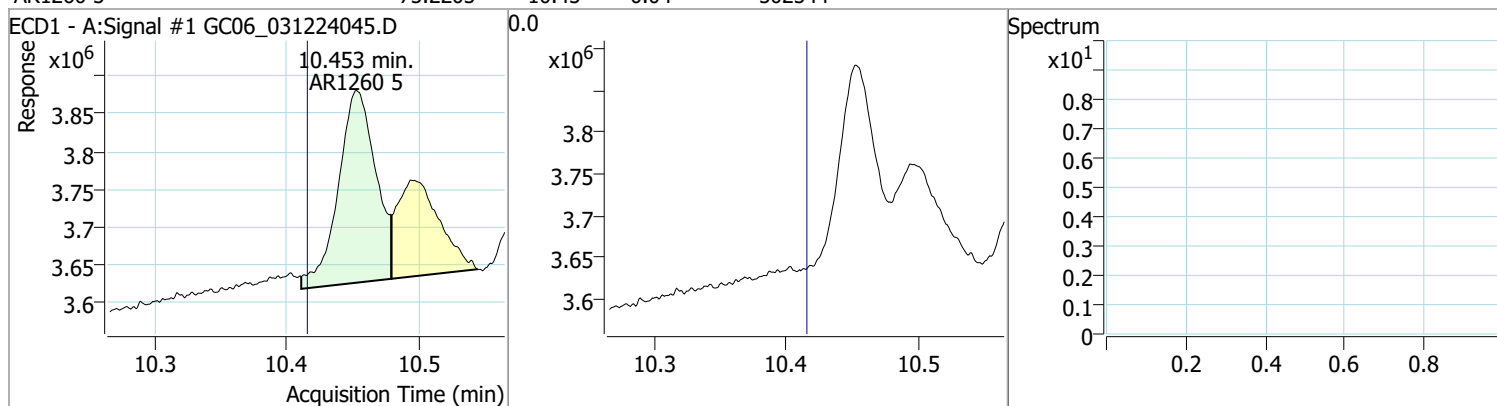
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1260 4 | 168.7100 | 9.64 | -0.01    | 870634 |      |        |       |       |



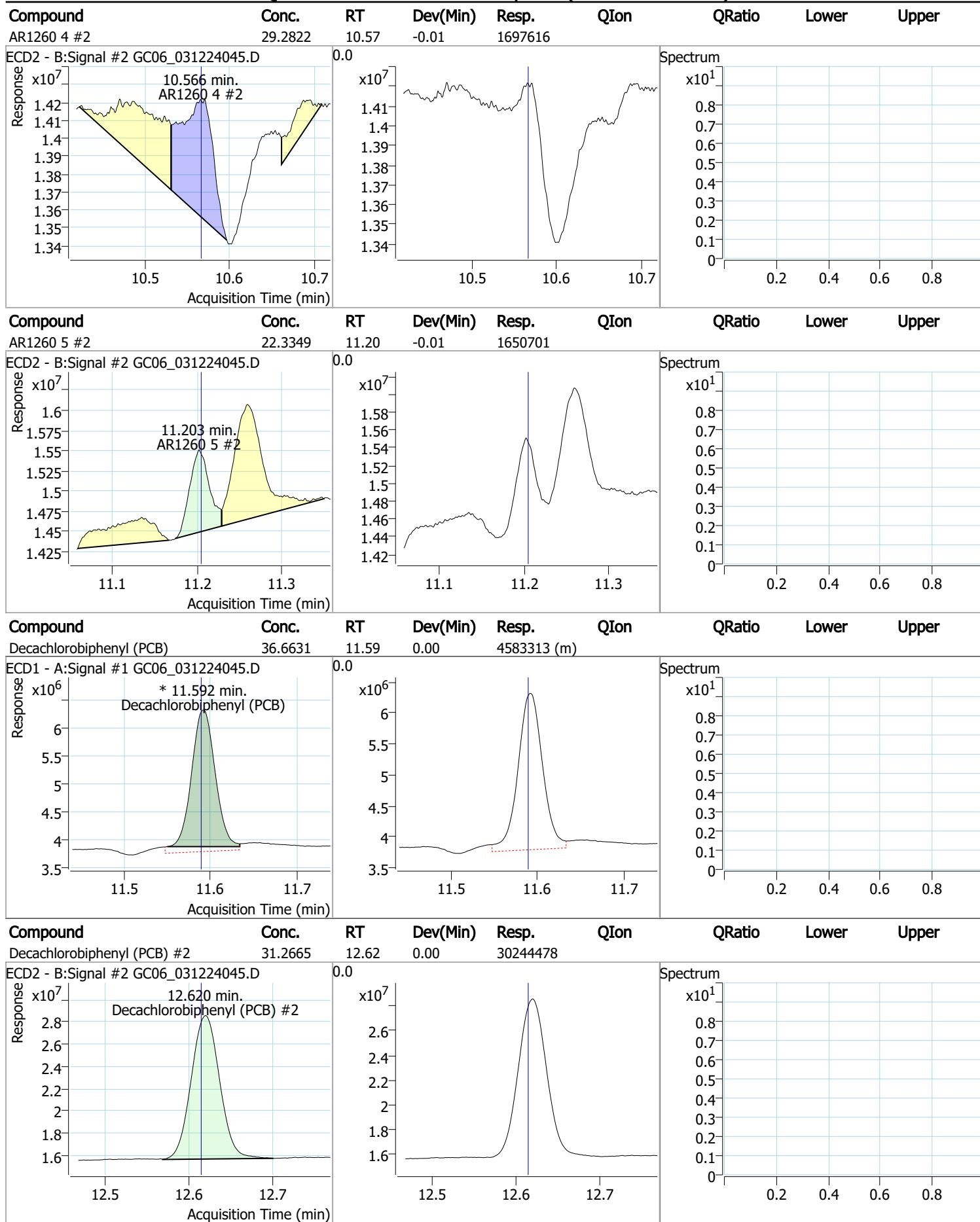
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 24.0543 | 10.23 | 0.11     | 2273867 |      |        |       |       |



| Compound | Conc.   | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 75.2205 | 10.45 | 0.04     | 502544 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                        |
|----------------------|----------------------|----------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-011   | Client ID: ARCH-C14W-PS-2.5-240308-P-G |
| Seqnum: 454104162046 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                 |
| File: gc06_031224046 | Batch: 335088        | Time: 12-MAR-2024 15:46                |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                        |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                          |

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

| Analyte               | Ch | Raw   | Result            | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|-------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 106.5 | 1.1 <sup>FP</sup> | 0.23 | 128% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 209.6 | 2.10              | 0.53 | 119% |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 67.75 | 0.68              | 0.37 | 58%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 242.6 | 2.43              | 0.06 | 190% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 0     | ND                | 0.11 |      |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 12.65 | 0.13              | 0.09 | 35%  |      |       |       |
| <b>Aroclor-1221</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | A  | 126.0 | 1.3 <sup>FP</sup> | 0.51 | 85%  | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 238.4 | 2.38              | 0.14 | 178% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 5.631 | 0.06              | 1.68 | 187% |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 59.34 | 0.59              | 0.31 | 63%  |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 268.7 | 2.69              | 0.36 | 153% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 57.76 | 0.58              | 0.07 | 157% |      |       |       |
| <b>Aroclor-1262</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 39.61 | 0.5000 | 0.3961 | 79   | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 36.11 | 0.5000 | 0.3611 | 72   | 19-121 | c- u  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 30958121     | -6.94  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 1949166      | -37.22 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.95      | 0.01  |



| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

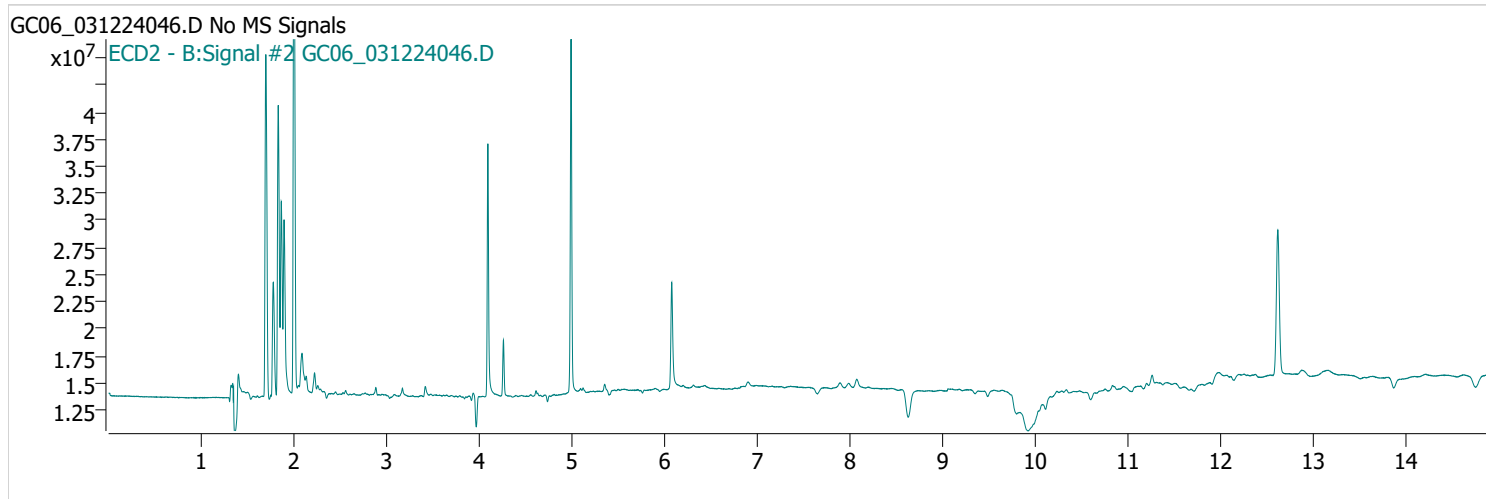
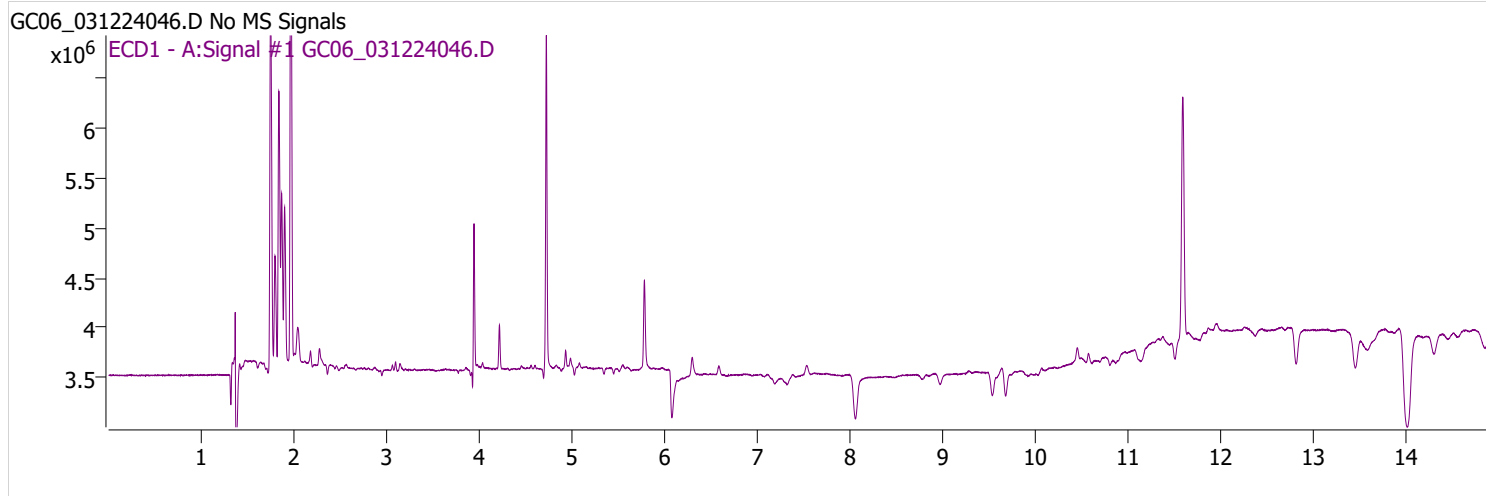
-=low bias c=CCV u=use x=false positive

**Analyst:** MES 03/13/24

**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224046.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 3:46:35 PM |
| Sample Name    | 504073-011, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 15                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.945                | 0.0  | 1949166.025  | 20.0000            | ng/ml | 0.002    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.094                | 0.0  | 30958121.040 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.726                | 0.0  | 3810372.008  | 39.6120            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 198.06% | *     |          |
| S TCMX (PCB) #2                    | 4.993                | 0.0  | 35865047.139 | 25.1902            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 125.95% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.595               | 0.0  | 4634546.100  | 36.1051            | ng/ml | m 0.004  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 180.53% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.621               | 0.0  | 30452160.207 | 23.6381            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 118.19% |       |          |

## Target Compounds

GC06\_031224046.D

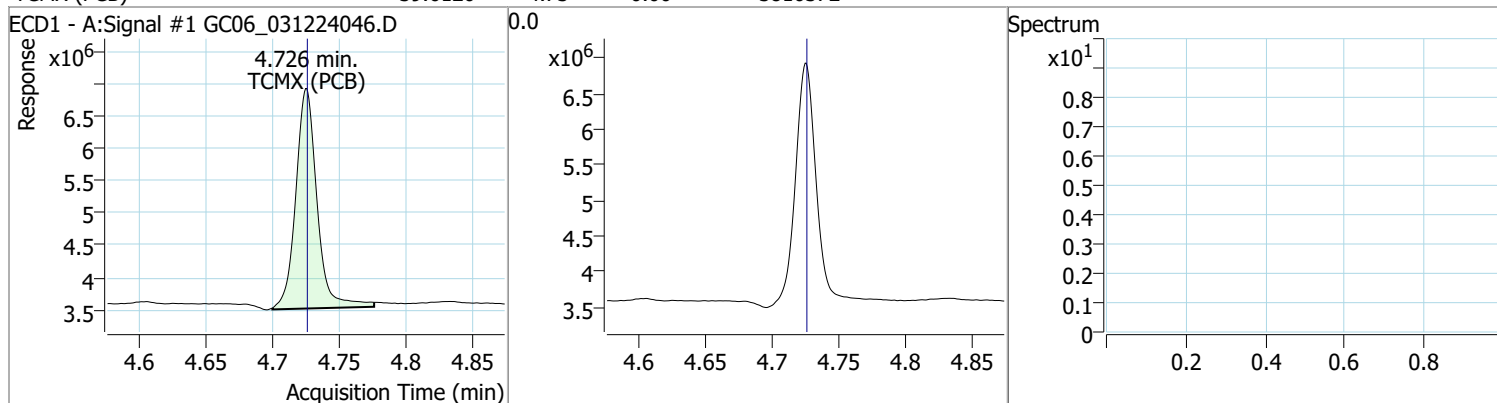
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units | Dev(Min) |
|---------------|--------|------|------------------|----------|-------|----------|
| T AR1016 1    | 5.083  | 0.0  | 447728.696       | 209.5923 | ng/ml | 100      |
| T AR1016 2    | 5.407  | 0.0  | 279808.274       | 67.7466  | ng/ml | 100      |
| T AR1016 1 #2 | 5.501  | 0.0  | 1626886.86<br>3  | 52.8883  | ng/ml | 100      |
| T AR1016 3    | 5.784  | 0.0  | 1275898.42<br>4  | 242.5982 | ng/ml | 100      |
| T AR1016 2 #2 | 5.899  | 0.0  | 2336491.66<br>3  | 37.3153  | ng/ml | 100      |
| T AR1016 4    | 0.000  |      | 0                | N.D.     |       |          |
| T AR1016 3 #2 | 6.311  | 0.0  | 547187.154       | 6.3373   | ng/ml | 100      |
| T AR1016 5    | 6.356  | 0.0  | 36495.999        | 12.6544  | ng/ml | 100      |
| T AR1016 4 #2 | 6.431  | 0.0  | 599291.121       | 10.6734  | ng/ml | 100      |
| T AR1016 5 #2 | 6.991  | 0.0  | 404968.958       | 8.8560   | ng/ml | 100      |
| T AR1260 1    | 7.977  | 0.0  | 1448651.46<br>5  | 238.3958 | ng/ml | 100      |
| T AR1260 2    | 8.566  | 0.0  | 51845.988        | 5.6313   | ng/ml | 100      |
| T AR1260 3    | 9.135  | 0.0  | 563786.003       | 59.3395  | ng/ml | 100      |
| T AR1260 1 #2 | 9.299  | 0.0  | 1238865.49<br>8  | 13.7040  | ng/ml | 100      |
| T AR1260 2 #2 | 9.558  | 0.0  | 18038205.9<br>05 | 167.6591 | ng/ml | 100      |
| T AR1260 4    | 9.641  | 0.0  | 1423645.75<br>2  | 268.6695 | ng/ml | 100      |
| T AR1260 3 #2 | 10.078 | 0.0  | 3908227.95<br>2  | 31.0435  | ng/ml | 100      |
| T AR1260 5    | 10.457 | 0.0  | 396252.811       | 57.7625  | ng/ml | 100      |
| T AR1260 4 #2 | 10.482 | 0.0  | 2767305.81<br>9  | 35.8413  | ng/ml | 100      |
| T AR1260 5 #2 | 11.206 | 0.0  | 678526.409       | 6.8936   | ng/ml | 100      |

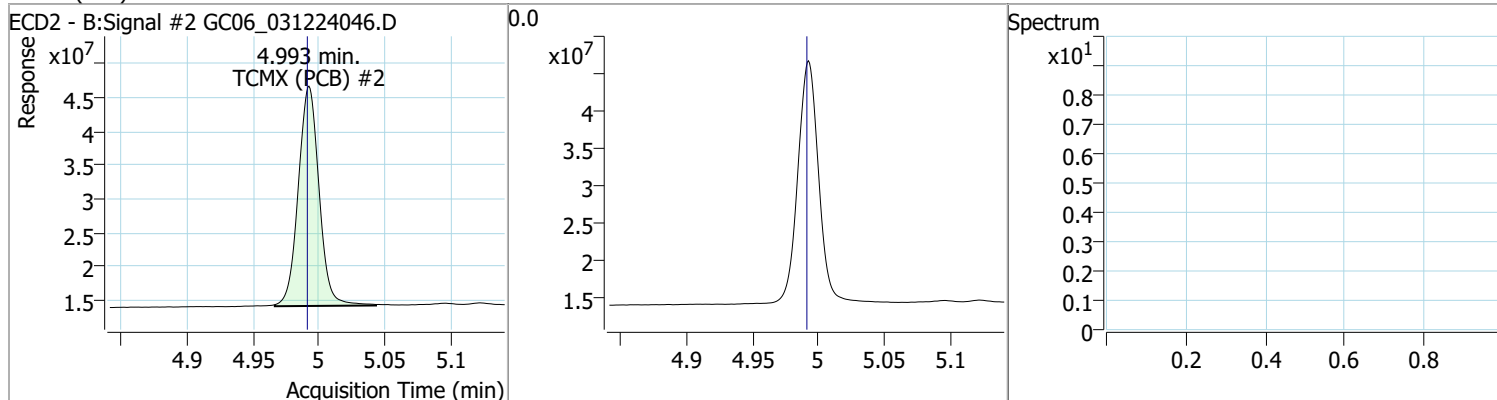
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

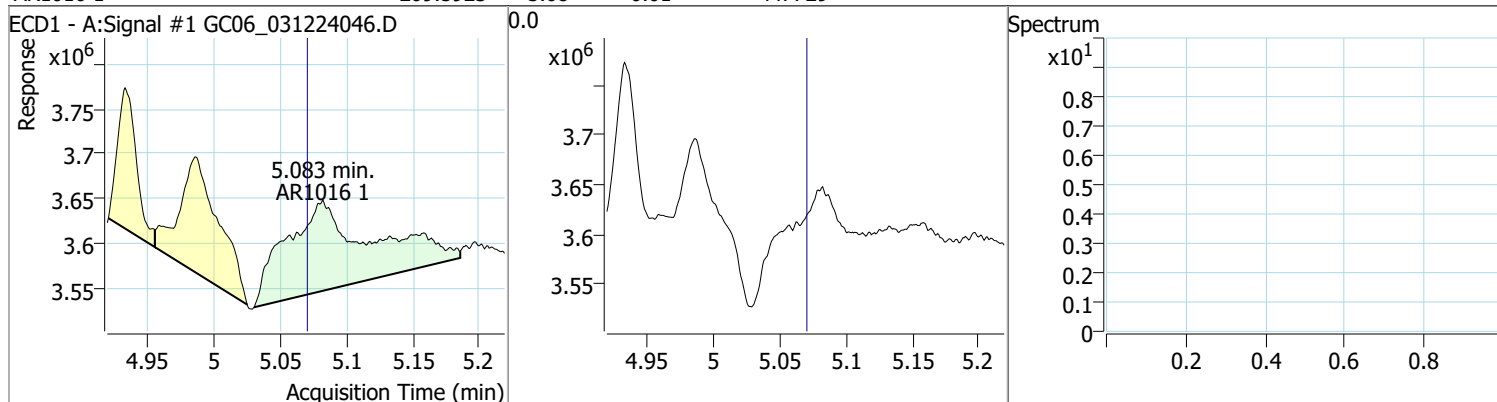
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 39.6120 | 4.73 | 0.00     | 3810372 |      |        |       |       |



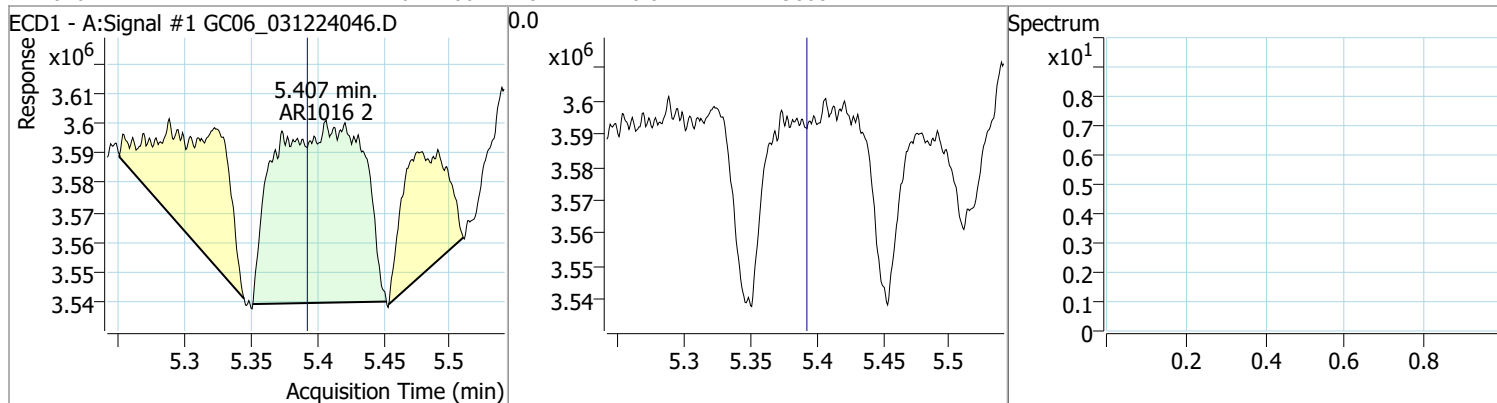
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 25.1902 | 4.99 | 0.00     | 35865047 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 209.5923 | 5.08 | 0.01     | 447729 |      |        |       |       |

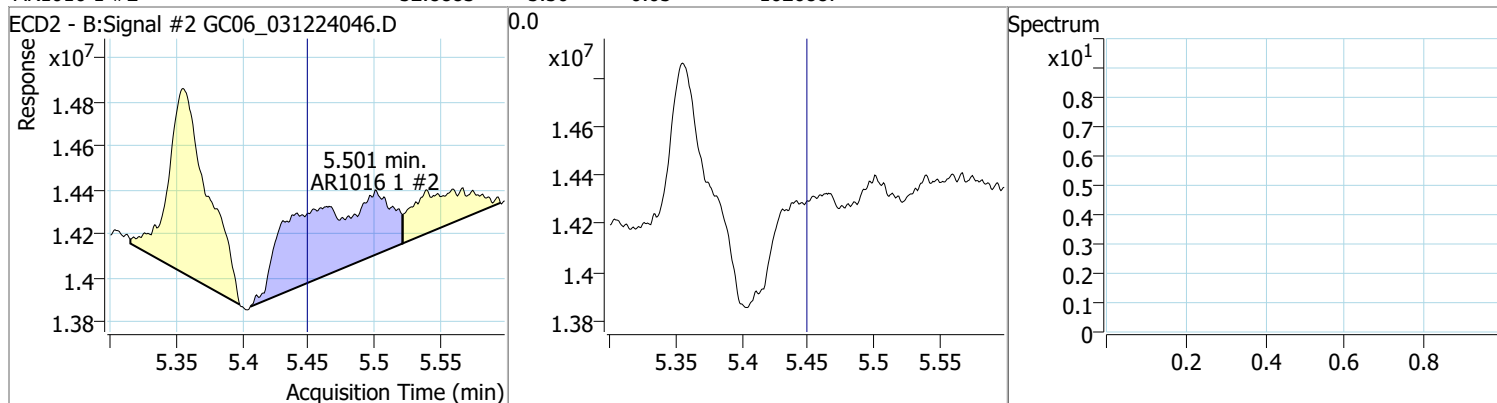


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 67.7466 | 5.41 | 0.02     | 279808 |      |        |       |       |

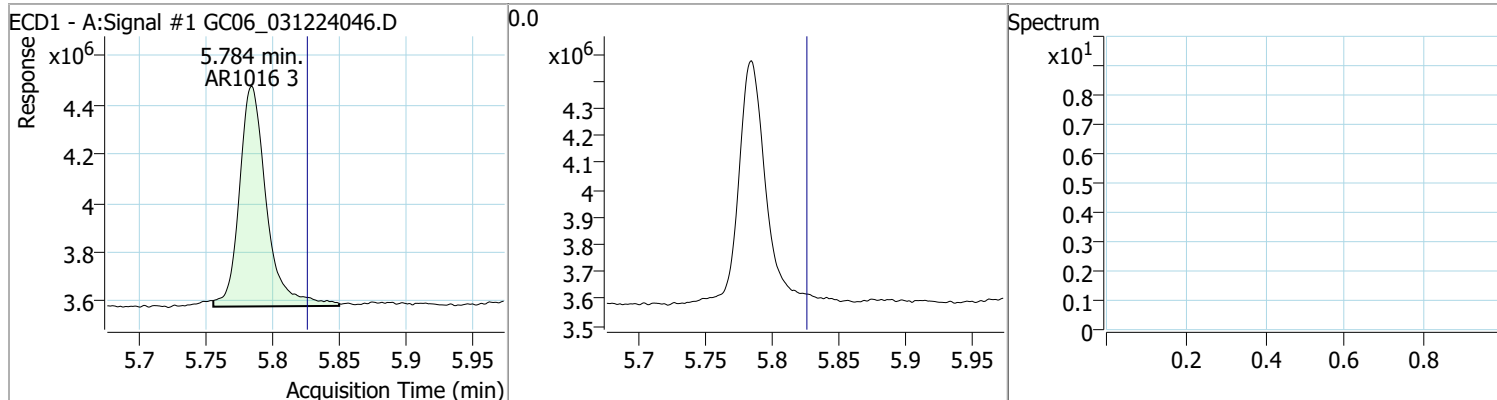


# Quantitation Results Report (Not Reviewed)

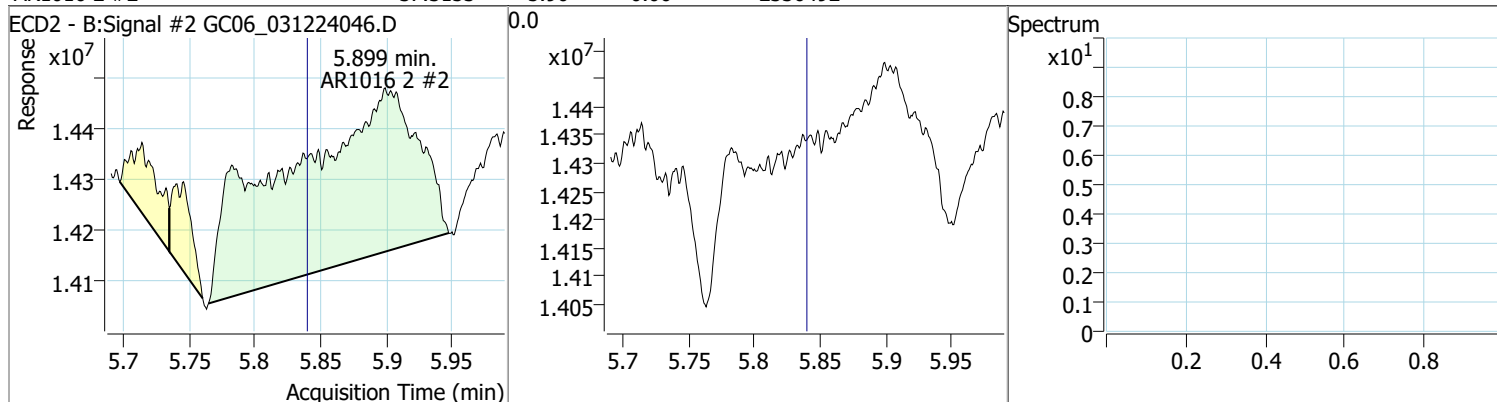
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 52.8883 | 5.50 | 0.05     | 1626887 |      |        |       |       |



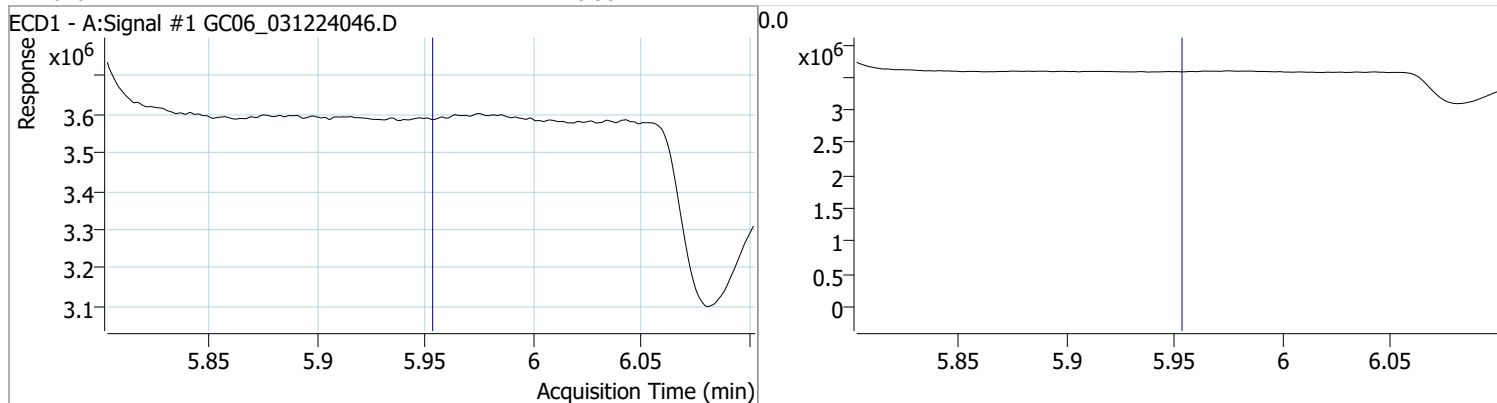
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 3 | 242.5982 | 5.78 | -0.04    | 1275898 |      |        |       |       |



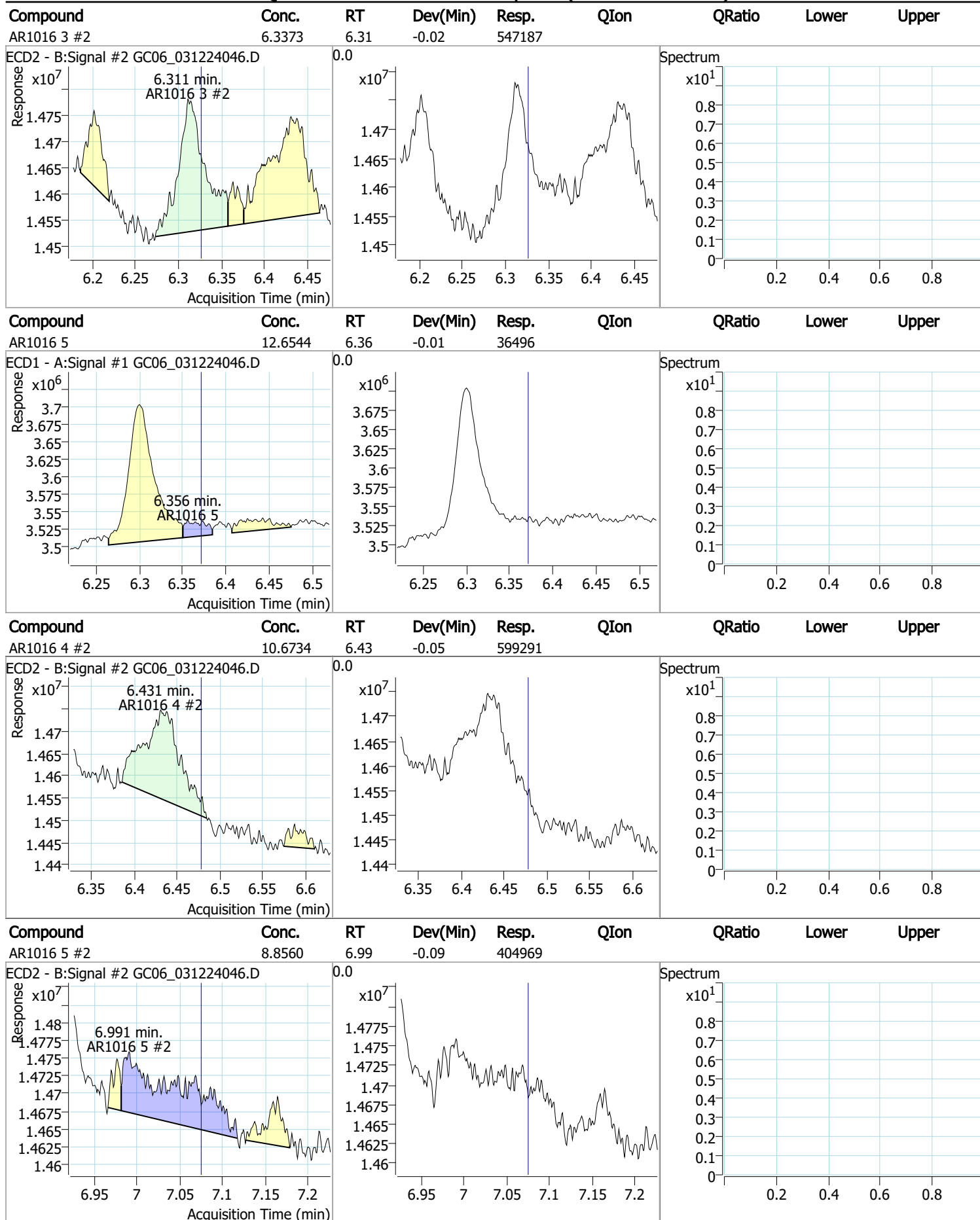
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 37.3153 | 5.90 | 0.06     | 2336492 |      |        |       |       |



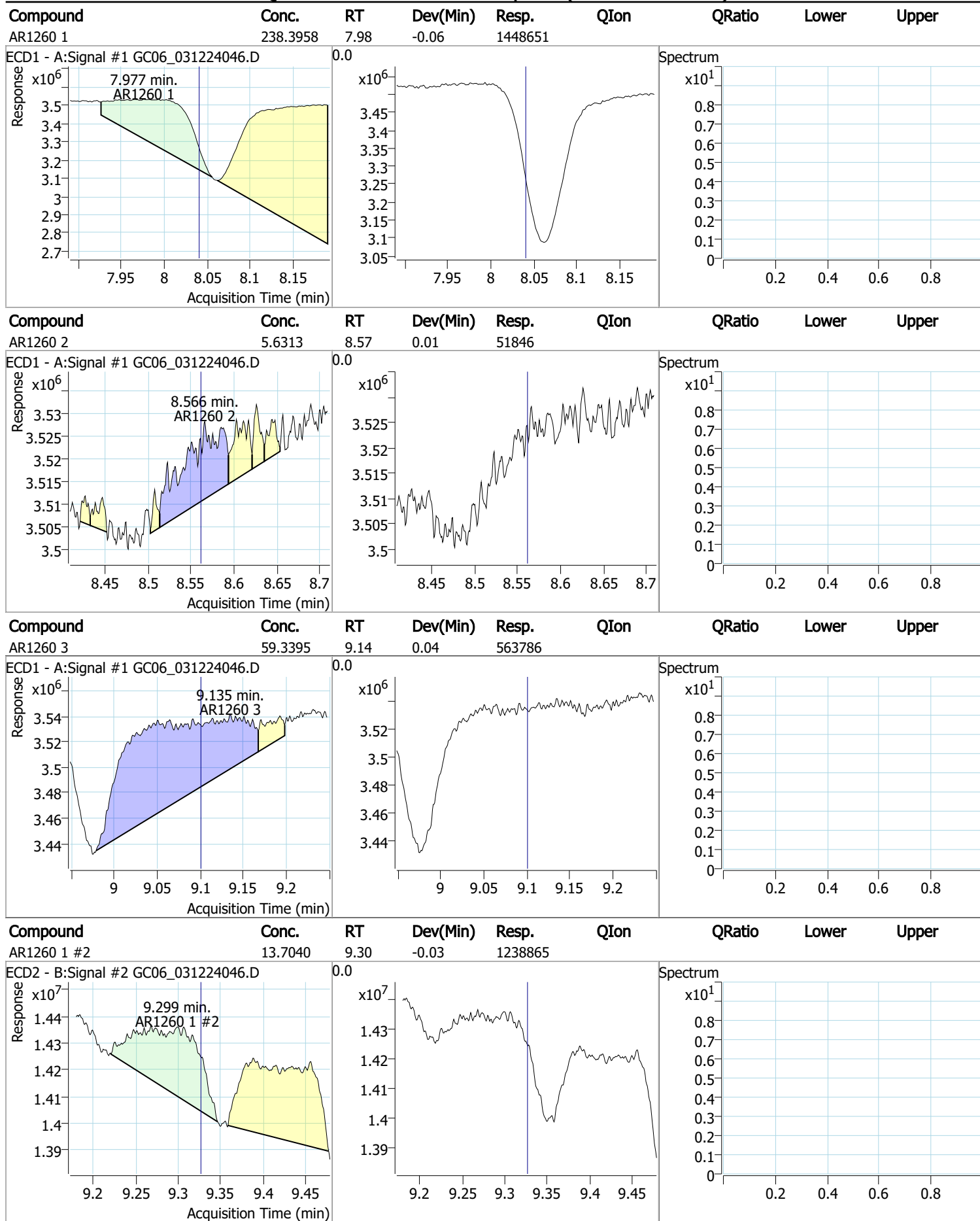
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| AR1016 4 | N.D.  | 5.95   |      |           |



# Quantitation Results Report (Not Reviewed)

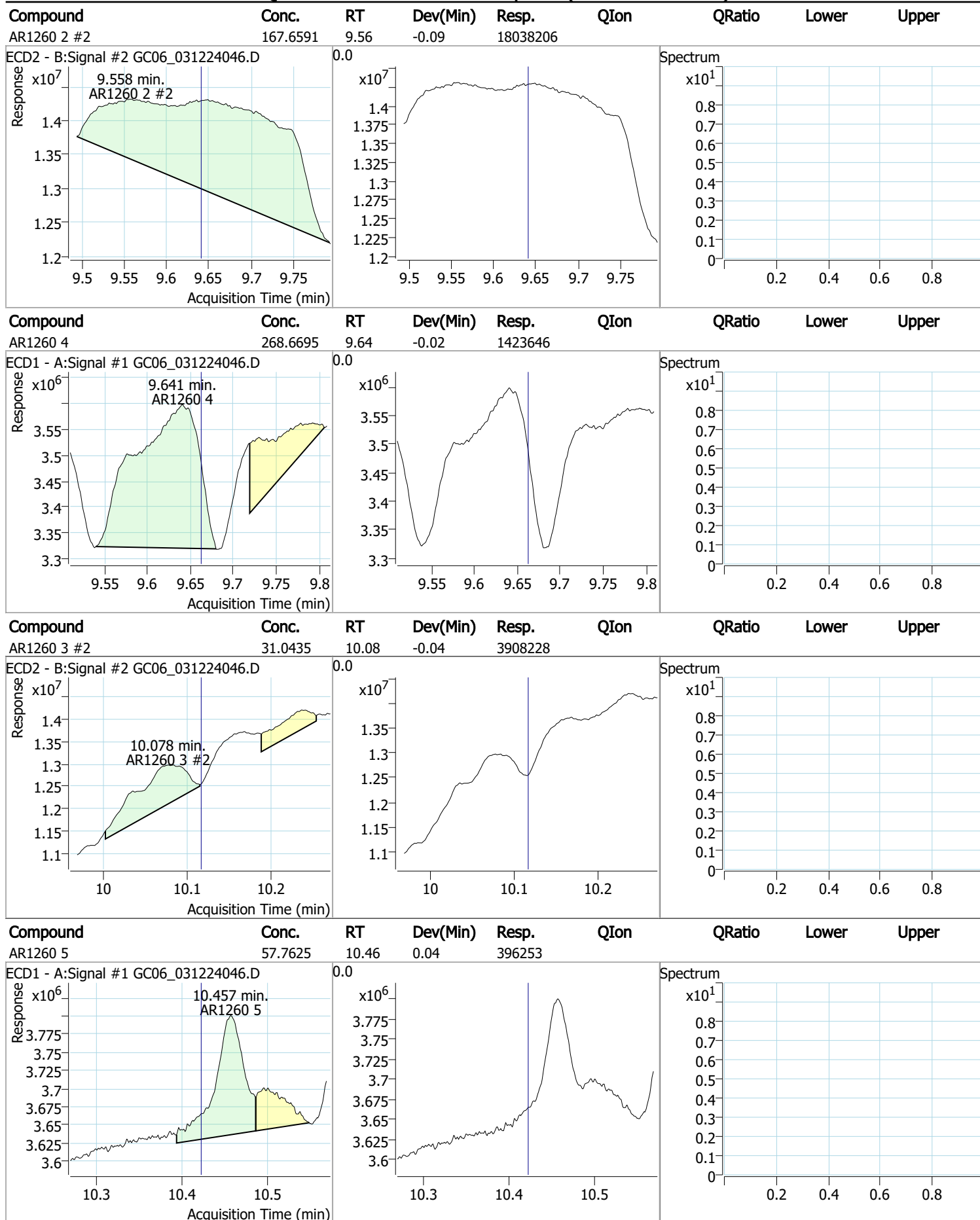


# Quantitation Results Report (Not Reviewed)



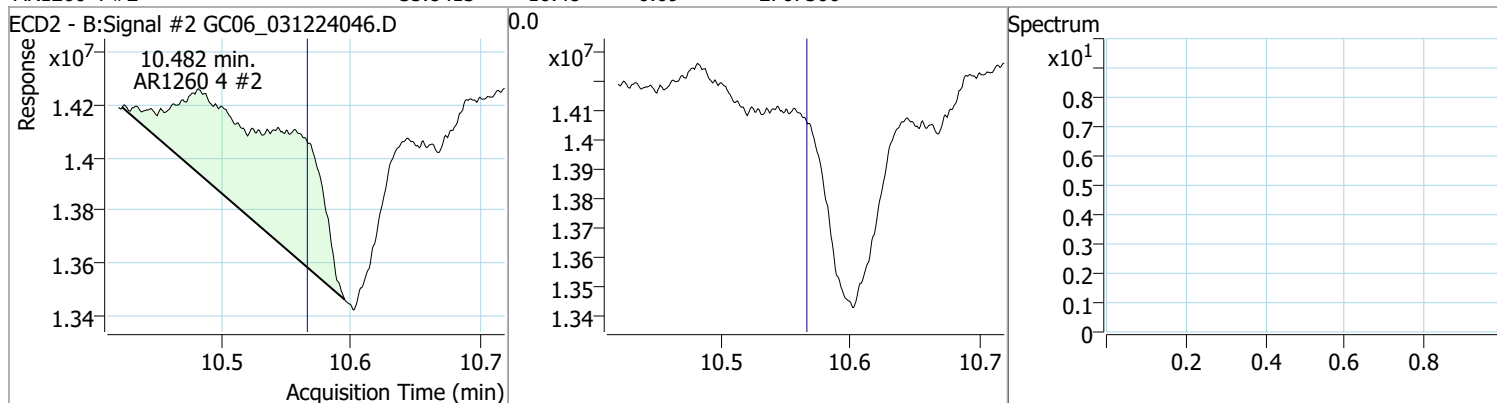


# Quantitation Results Report (Not Reviewed)

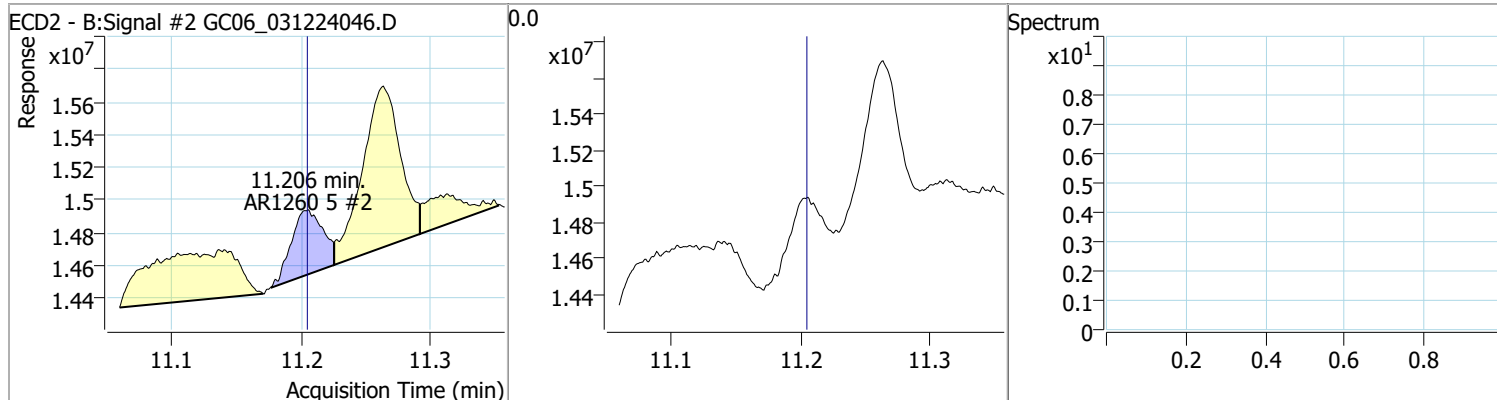


# Quantitation Results Report (Not Reviewed)

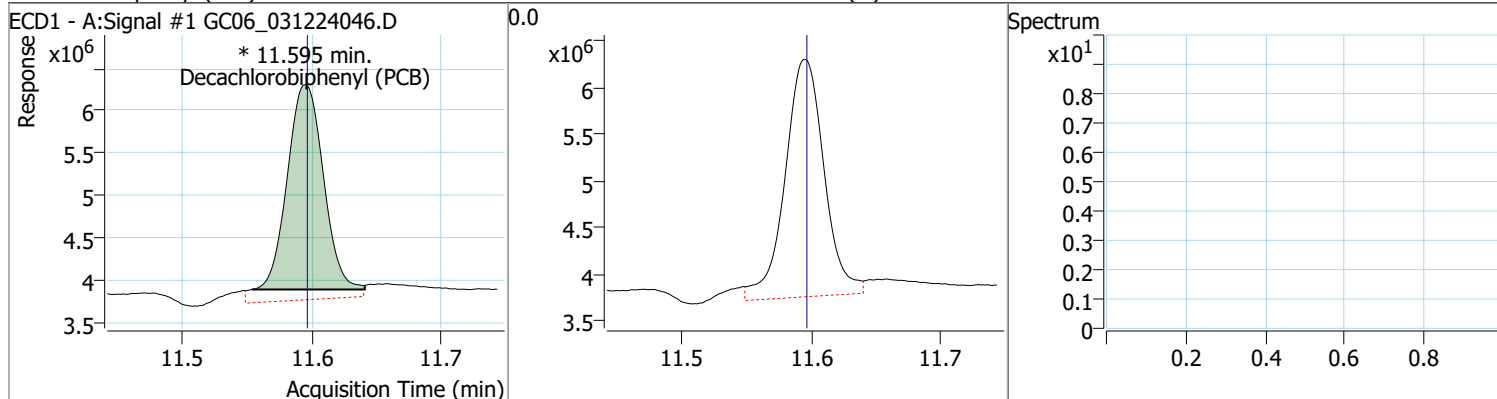
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 4 #2 | 35.8413 | 10.48 | -0.09    | 2767306 |      |        |       |       |



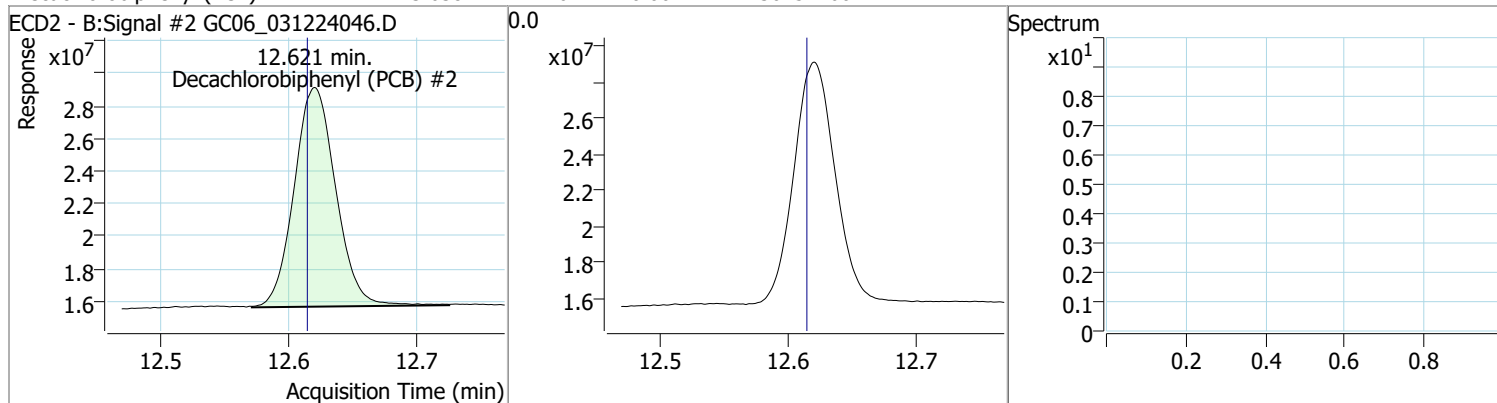
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 #2 | 6.8936 | 11.21 | -0.01    | 678526 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|-------------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 36.1051 | 11.60 | 0.00     | 4634546 (m) |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 23.6381 | 12.62 | 0.00     | 30452160 |      |        |       |       |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-013   | Client ID: ARCH-C14W-DG-2.5 TO 3-240308-P-FB |
| Seqnum: 454105680025 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: gc06_031324025 | Batch: 335088        | Time: 13-MAR-2024 16:53                      |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                |

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

| Analyte               | Ch | Raw   | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 25.68 | ND     | 2.0  | 154% | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 85.31 | 0.85   | 2.63 | 102% |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 34.38 | 0.34   | 1.48 | 125% |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 4.121 | 0.04   | 3.08 | 195% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 3.293 | 0.03   | ND   |      |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 1.295 | 0.01   | 2.71 | 198% |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 10.94 | ND     | 1.3  | 170% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 19.10 | 0.19   | 2.54 | 172% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 20.85 | 0.21   | 0.13 | 44%  |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 6.668 | 0.07   | 0.11 | 48%  |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 2.893 | 0.03   | 2.56 | 196% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 5.158 | 0.05   | 1.39 | 186% |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 24.66 | 0.5000 | 0.2466 | 49   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 22.70 | 0.5000 | 0.2270 | 45   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031324009)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 22925252  | 29050216     | 26.72  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2080071   | 1146906      | -44.86 |

| ISTD (ICAL gc06_031324013)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 33849932   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 3089651    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031324009)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.08   | 4.08      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.93   | 3.93      | 0.00  |

| ISTD (ICAL gc06_031324013)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.08    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.93    | ???       |       |

03/14/24 : WIPE/1dm2-10ML

U=use

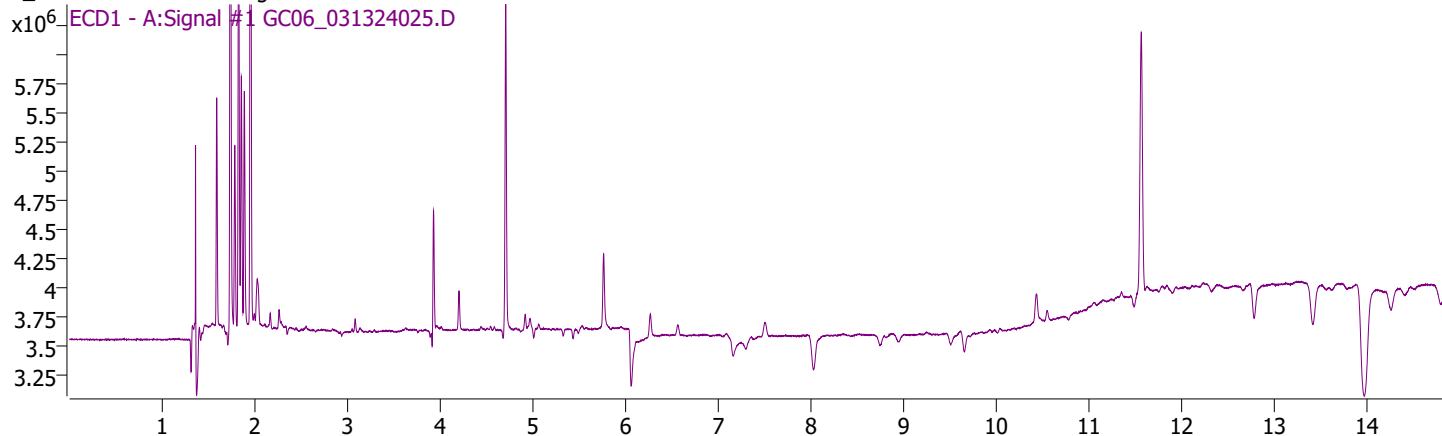
**Analyst:** MES 03/14/24

**Reviewer:** MTS 03/15/24

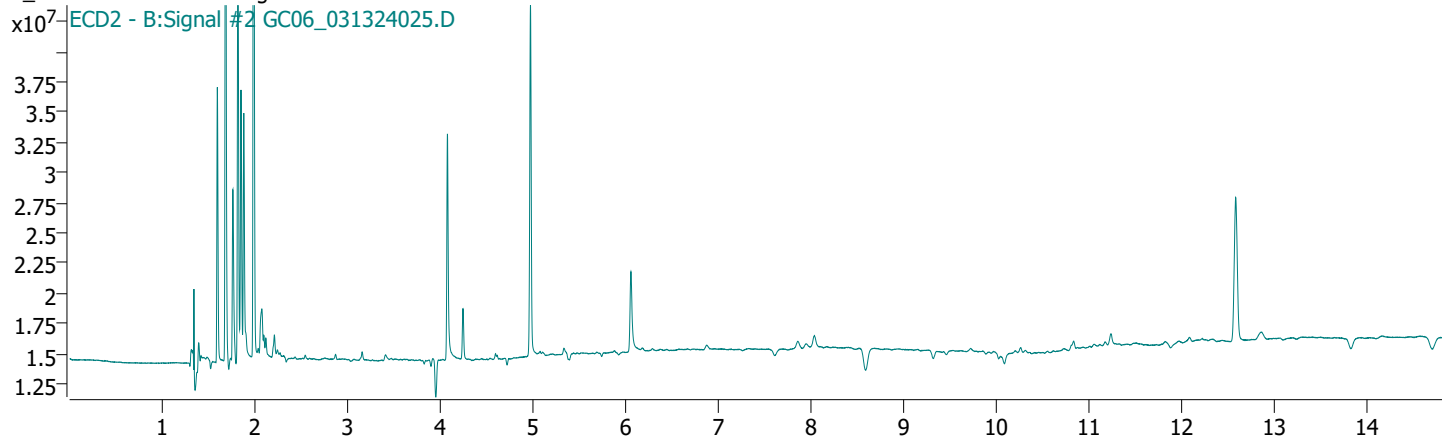
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031324025.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/13/2024 4:53:18 PM |
| Sample Name    | 504073-013, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 12                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_5.m | Comment           | WIPE/1dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031324-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |

GC06\_031324025.D No MS Signals



GC06\_031324025.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.931                | 0.0  | 1146905.96<br>2  | 20.0000            | ng/ml | 0.003    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.081                | 0.0  | 29050215.9<br>05 | 20.0000            | ng/ml | -0.001   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.710                | 0.0  | 3227779.53<br>0  | 57.0275            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 285.14% | *     |          |
| S TCMX (PCB) #2                    | 4.978                | 0.0  | 32951664.2<br>91 | 24.6639            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 123.32% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.573               | 0.0  | 4513158.23<br>5  | 59.7535            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 298.77% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.593               | 0.0  | 27446857.7<br>23 | 22.7046            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 113.52% |       |          |

## Target Compounds

QValue

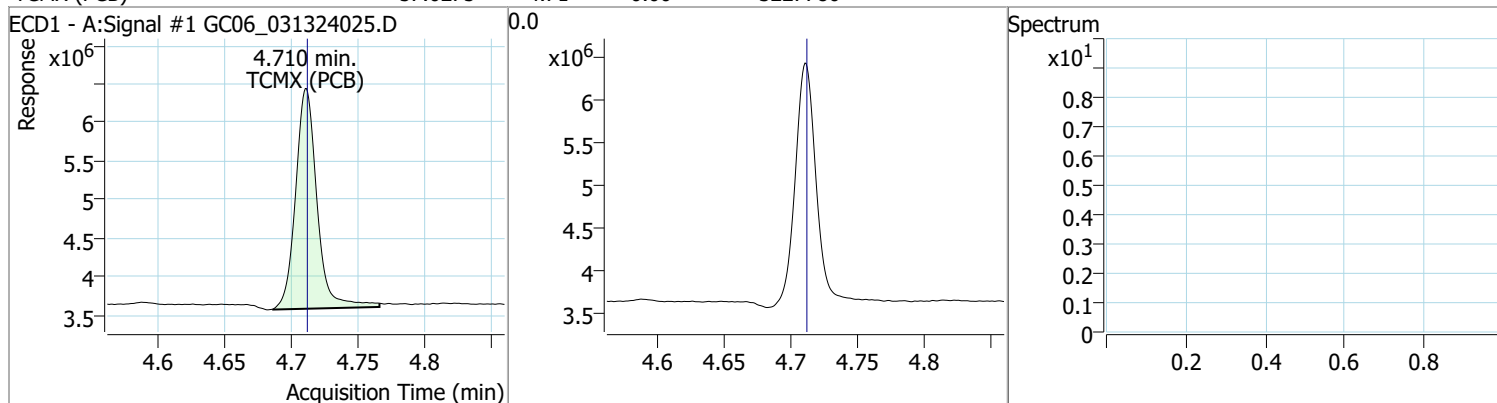
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.       | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-------------|----------|-------|----------|
| T AR1016 1    | 5.066  | 0.0  | 330084.671  | 262.6073 | ng/ml | 100      |
| T AR1016 2    | 5.380  | 0.0  | 359417.108  | 147.8928 | ng/ml | 100      |
| T AR1016 1 #2 | 5.525  | 0.0  | 2462417.706 | 85.3078  | ng/ml | 100      |
| T AR1016 3    | 5.768  | 0.0  | 952551.200  | 307.8087 | ng/ml | 100      |
| T AR1016 2 #2 | 5.883  | 0.0  | 2020264.294 | 34.3840  | ng/ml | 100      |
| T AR1016 4    | 0.000  |      | 0           | N.D.     |       |          |
| T AR1016 3 #2 | 6.293  | 0.0  | 333866.956  | 4.1207   | ng/ml | 100      |
| T AR1016 5    | 6.273  | 0.0  | 460462.325  | 271.3385 | ng/ml | 100      |
| T AR1016 4 #2 | 6.448  | 0.0  | 173488.346  | 3.2928   | ng/ml | 100      |
| T AR1016 5 #2 | 7.043  | 0.0  | 55548.914   | 1.2945   | ng/ml | 100      |
| T AR1260 1    | 7.959  | 0.0  | 909799.898  | 254.4495 | ng/ml | 100      |
| T AR1260 2    | 8.529  | 0.0  | 72421.911   | 13.3685  | ng/ml | 100      |
| T AR1260 3    | 9.113  | 0.0  | 60559.889   | 10.8327  | ng/ml | 100      |
| T AR1260 1 #2 | 9.367  | 0.0  | 1620655.704 | 19.1047  | ng/ml | 100      |
| T AR1260 2 #2 | 9.533  | 0.0  | 2105332.471 | 20.8535  | ng/ml | 100      |
| T AR1260 4    | 9.619  | 0.0  | 796794.550  | 255.5547 | ng/ml | 100      |
| T AR1260 3 #2 | 10.052 | 0.0  | 787769.349  | 6.6683   | ng/ml | 100      |
| T AR1260 5    | 10.442 | 0.0  | 561553.971  | 139.1188 | ng/ml | 100      |
| T AR1260 4 #2 | 10.565 | 0.0  | 209636.700  | 2.8935   | ng/ml | 100      |
| T AR1260 5 #2 | 11.183 | 0.0  | 476374.247  | 5.1576   | ng/ml | 100      |

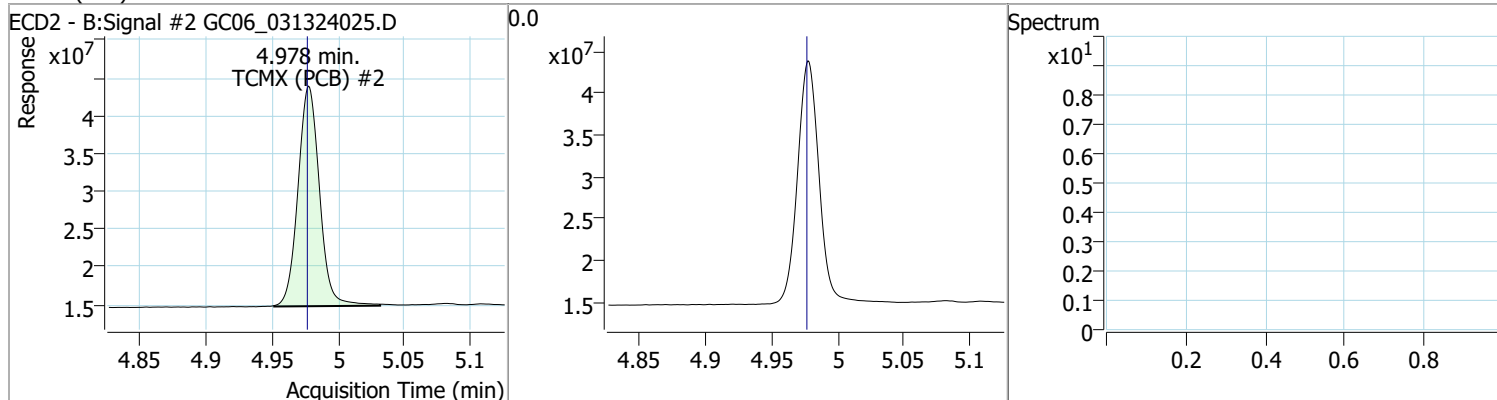
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

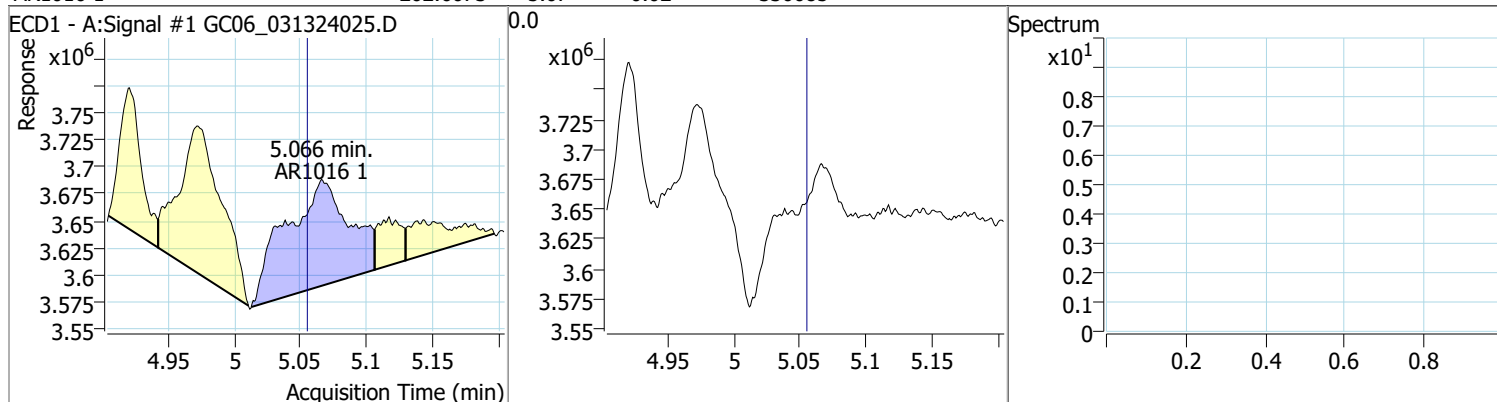
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 57.0275 | 4.71 | 0.00     | 3227780 |      |        |       |       |



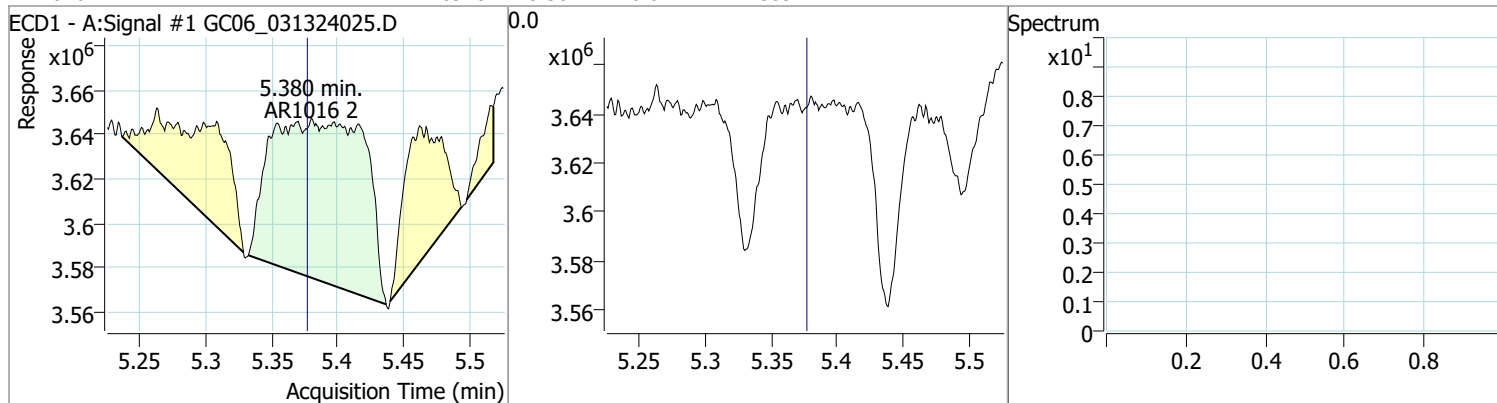
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 24.6639 | 4.98 | 0.00     | 32951664 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 262.6073 | 5.07 | 0.02     | 330085 |      |        |       |       |



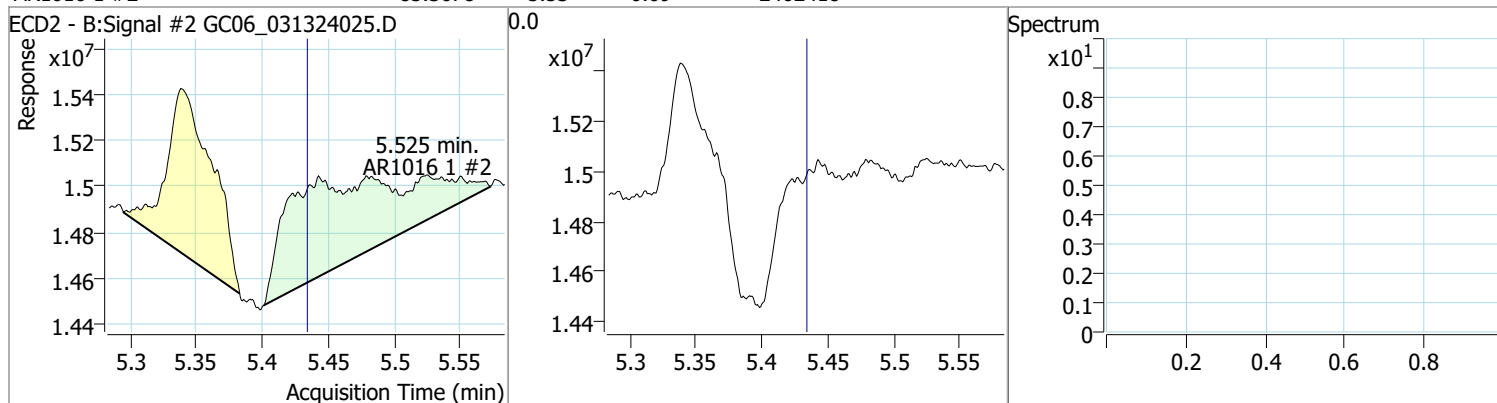
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 147.8928 | 5.38 | 0.01     | 359417 |      |        |       |       |



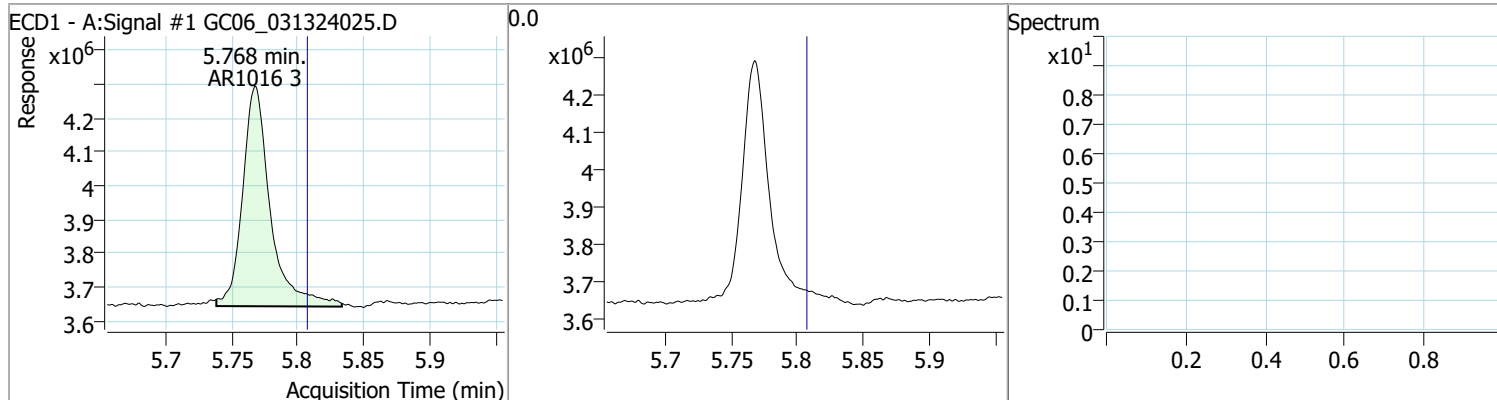


# Quantitation Results Report (Not Reviewed)

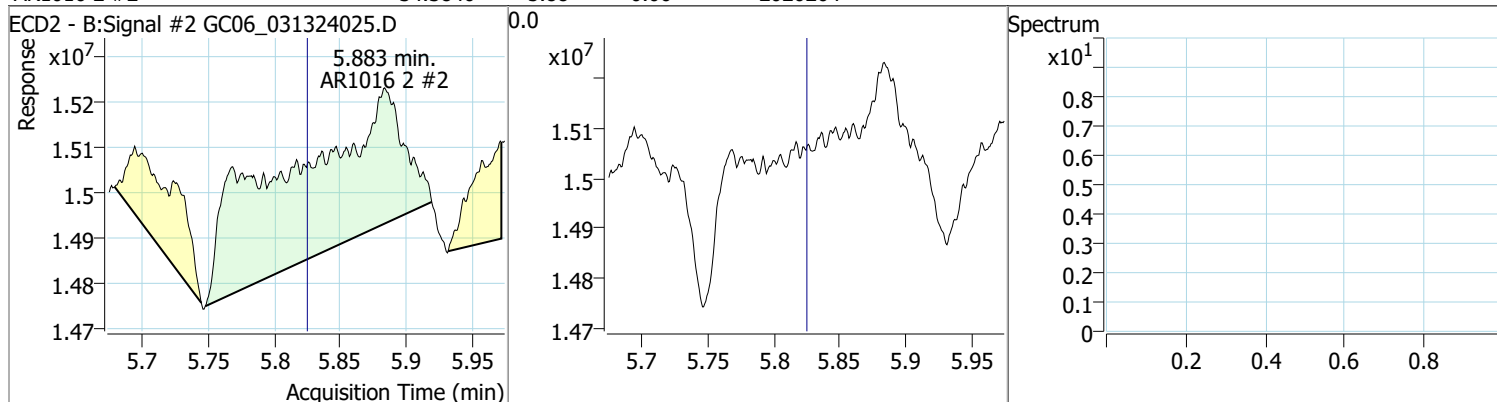
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 85.3078 | 5.53 | 0.09     | 2462418 |      |        |       |       |



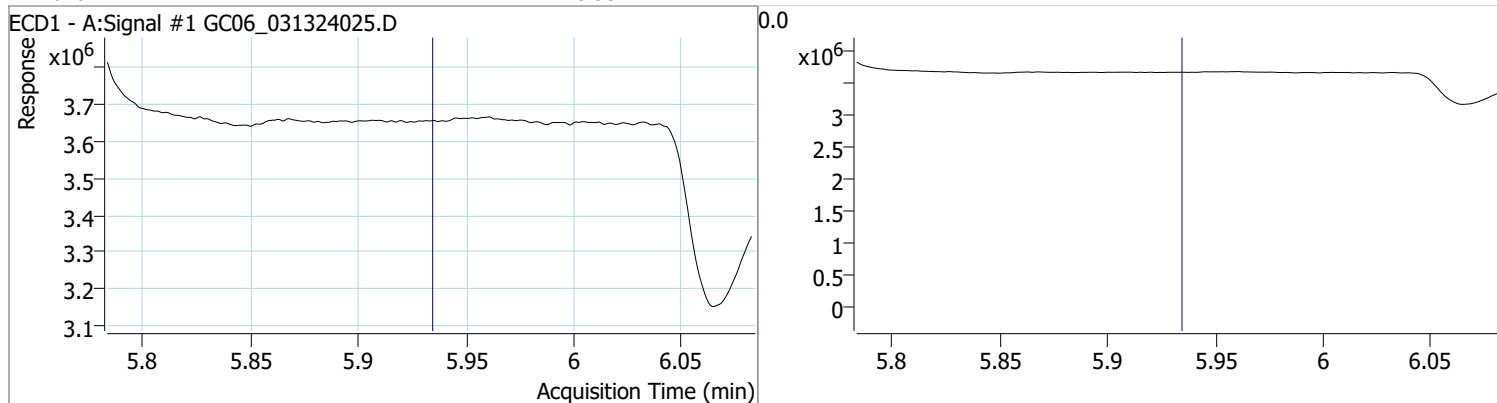
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 3 | 307.8087 | 5.77 | -0.03    | 952551 |      |        |       |       |



| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 34.3840 | 5.88 | 0.06     | 2020264 |      |        |       |       |

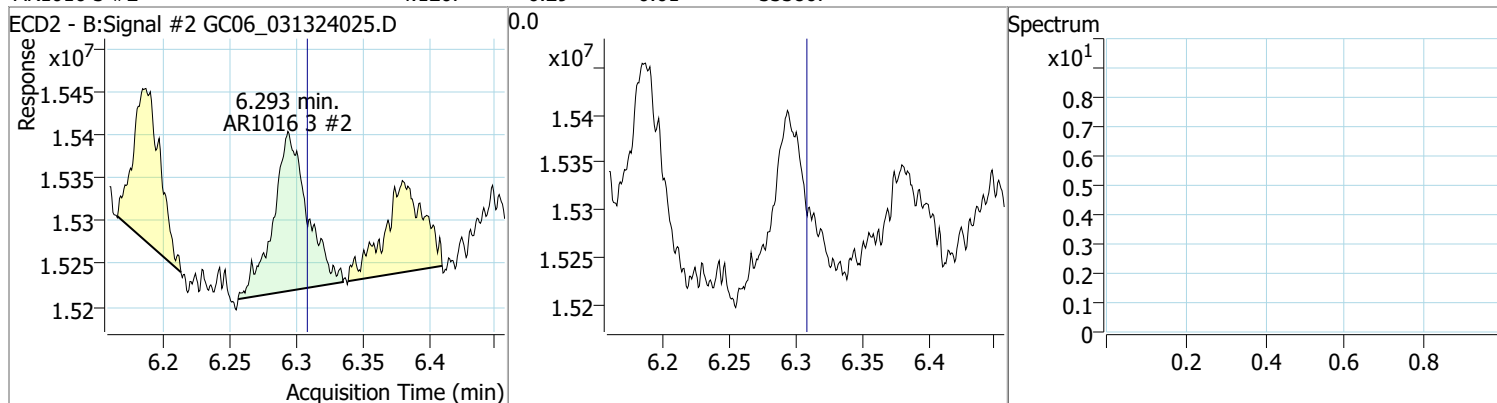


| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| AR1016 4 | N.D.  | 5.93   |      |           |

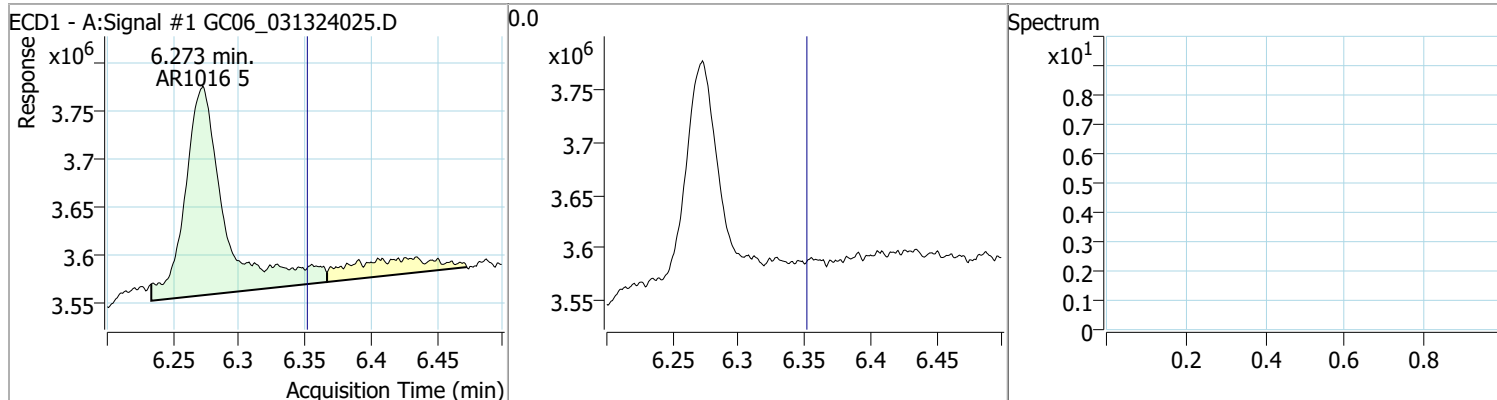


# Quantitation Results Report (Not Reviewed)

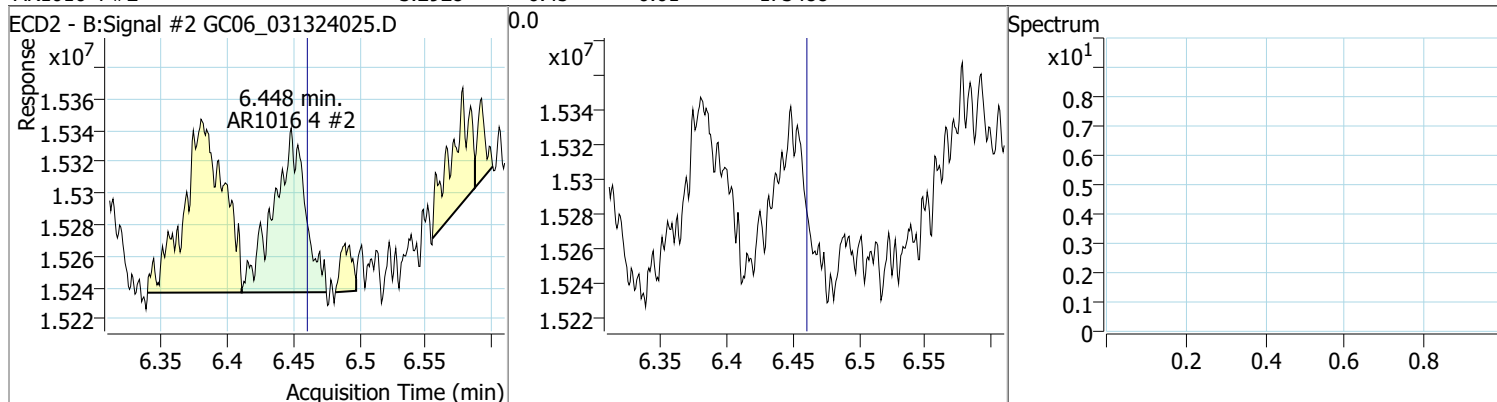
| Compound    | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|------|----------|--------|------|--------|-------|-------|
| AR1016 3 #2 | 4.1207 | 6.29 | -0.01    | 333867 |      |        |       |       |



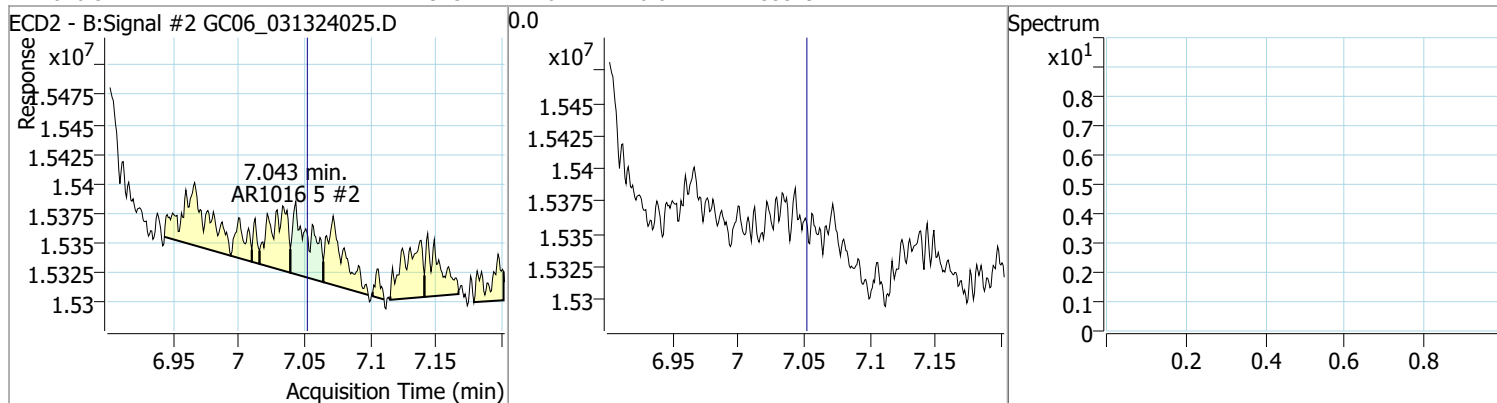
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 5 | 271.3385 | 6.27 | -0.07    | 460462 |      |        |       |       |



| Compound    | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|------|----------|--------|------|--------|-------|-------|
| AR1016 4 #2 | 3.2928 | 6.45 | -0.01    | 173488 |      |        |       |       |

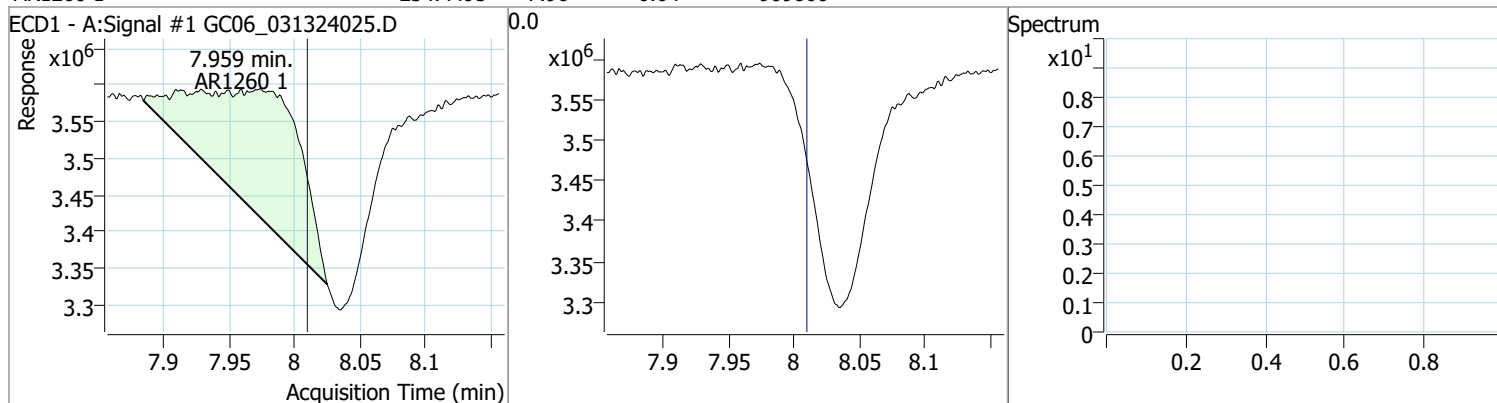


| Compound    | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------|--------|------|----------|-------|------|--------|-------|-------|
| AR1016 5 #2 | 1.2945 | 7.04 | -0.01    | 55549 |      |        |       |       |

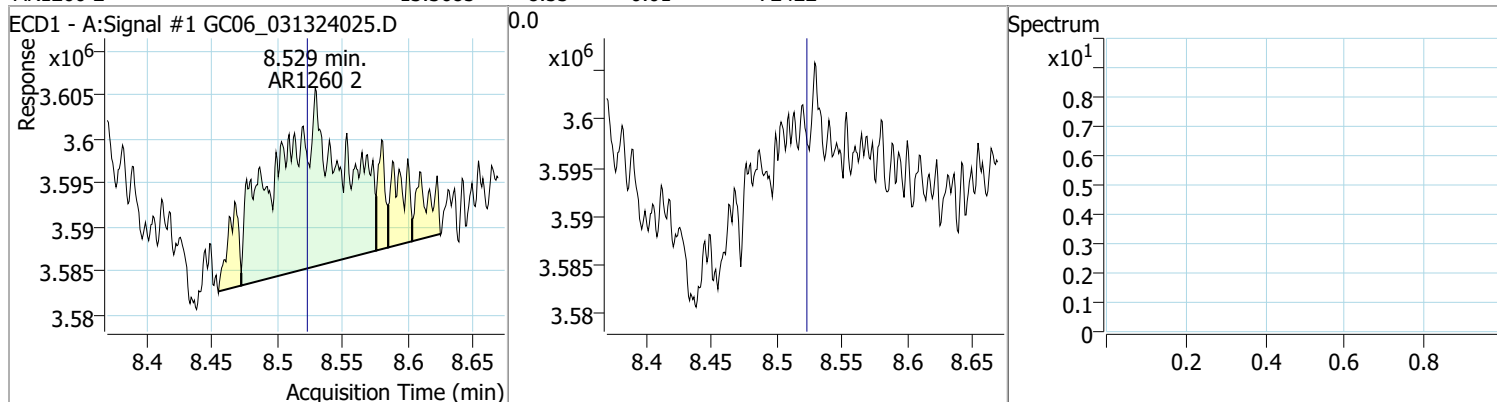


# Quantitation Results Report (Not Reviewed)

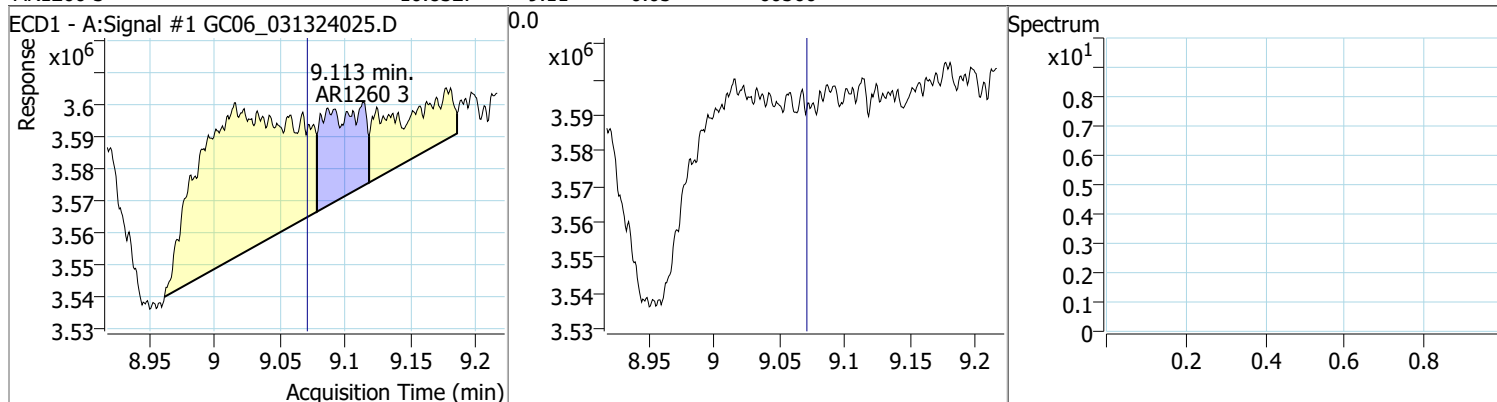
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1260 1 | 254.4495 | 7.96 | -0.04    | 909800 |      |        |       |       |



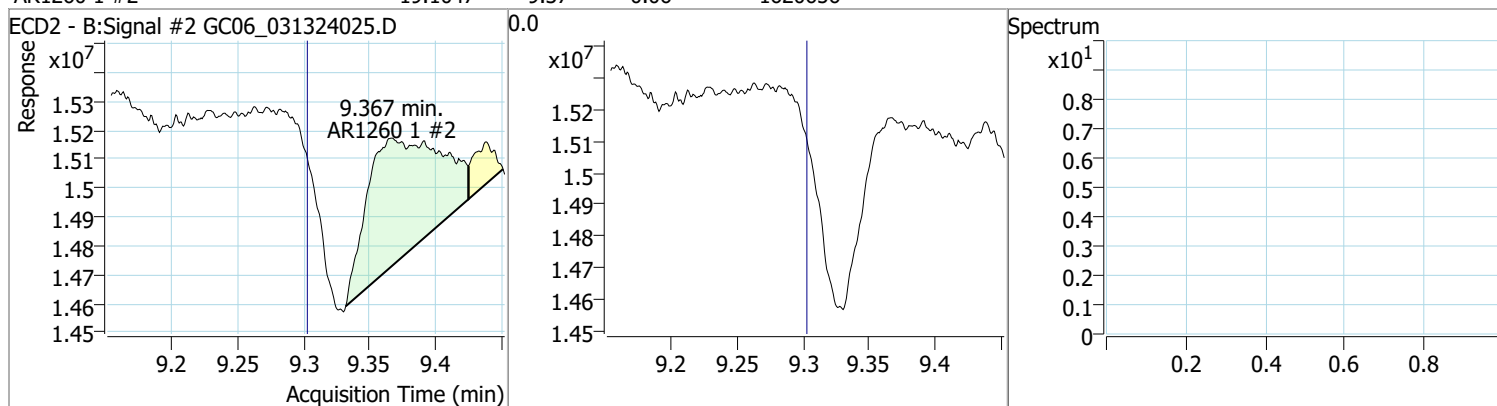
| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 13.3685 | 8.53 | 0.01     | 72422 |      |        |       |       |



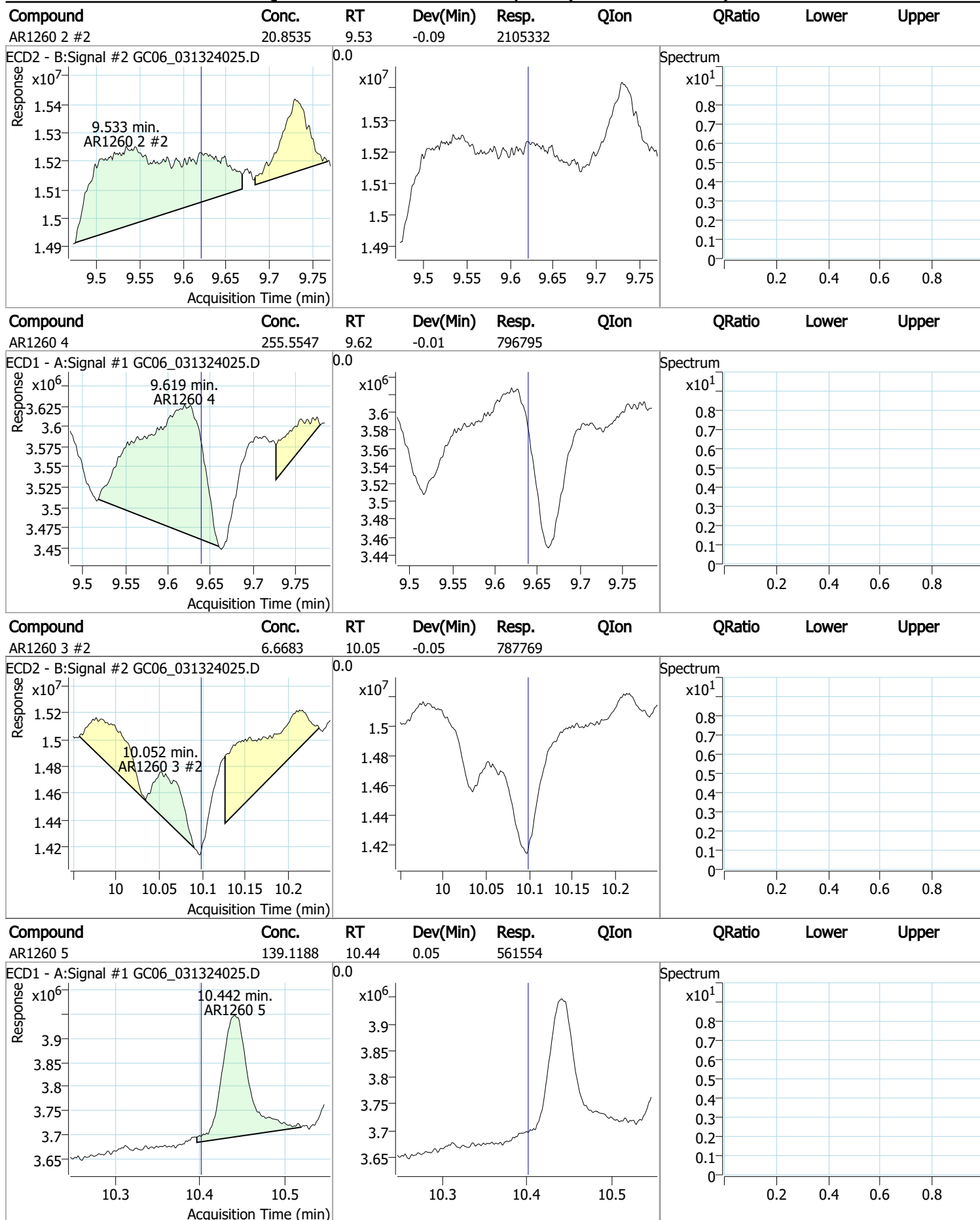
| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1260 3 | 10.8327 | 9.11 | 0.05     | 60560 |      |        |       |       |



| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 #2 | 19.1047 | 9.37 | 0.06     | 1620656 |      |        |       |       |

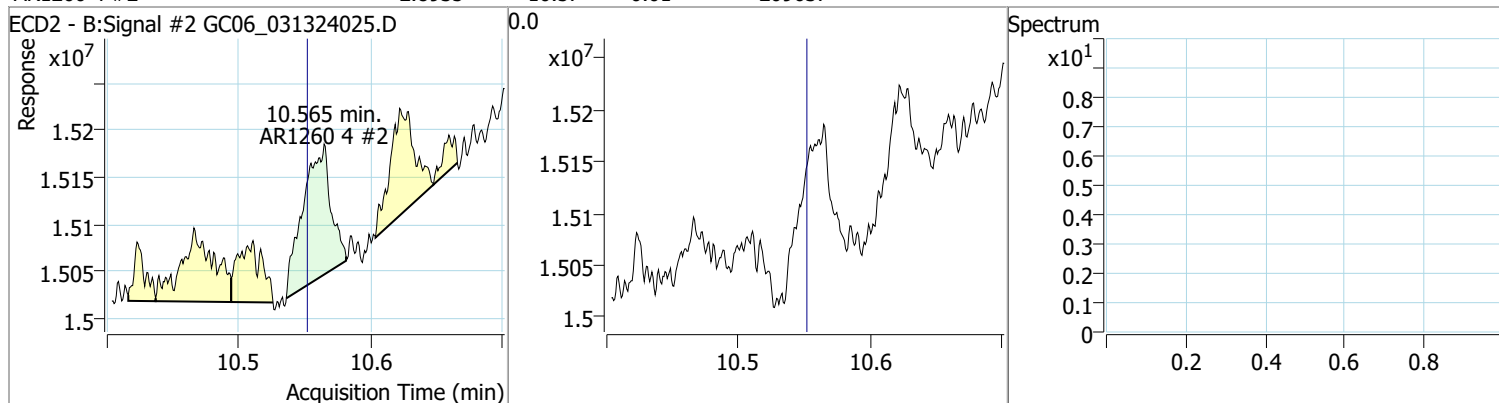


# Quantitation Results Report (Not Reviewed)

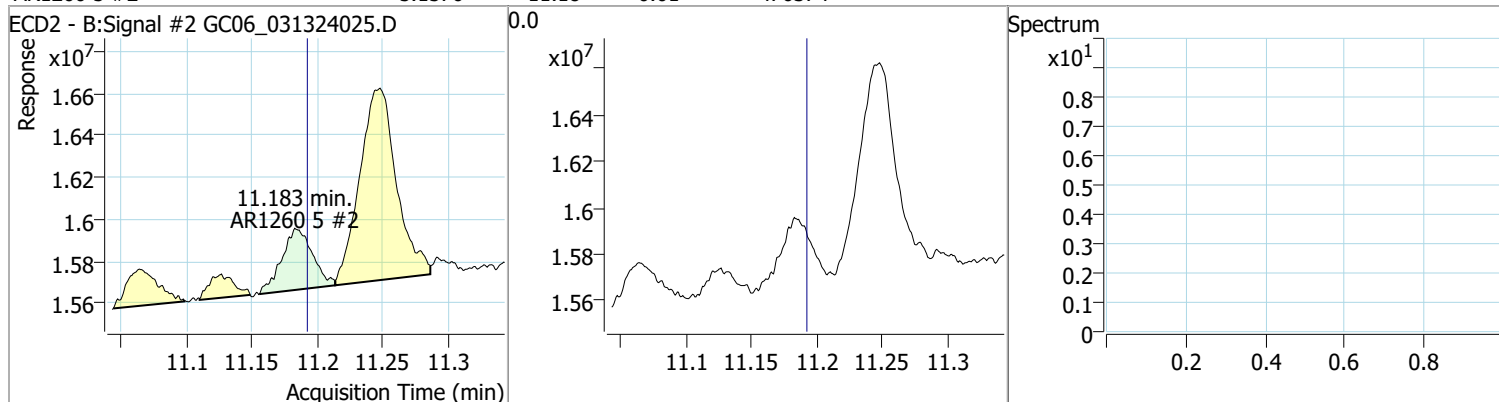


# Quantitation Results Report (Not Reviewed)

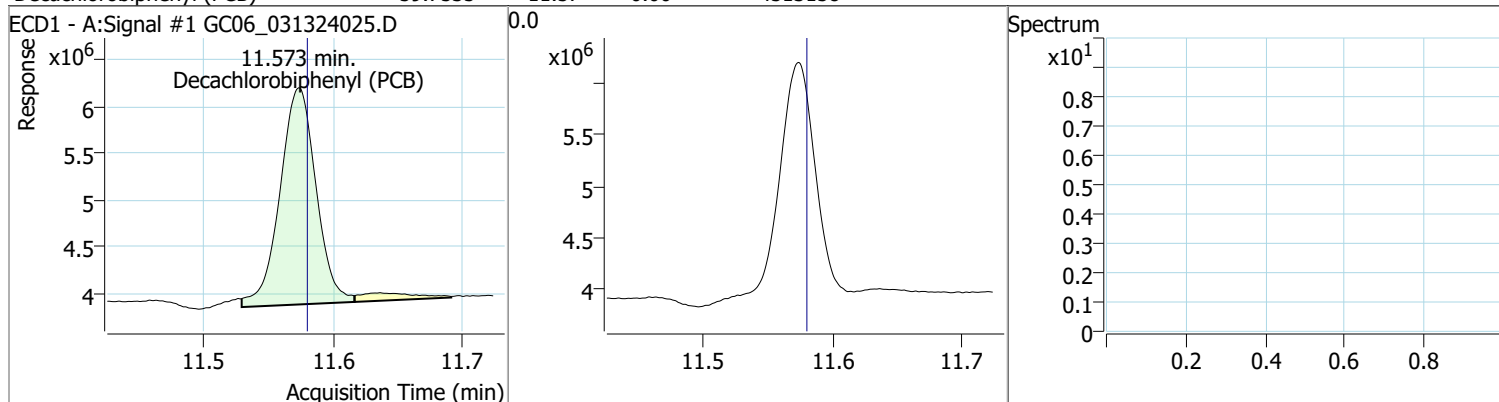
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 4 #2 | 2.8935 | 10.57 | 0.01     | 209637 |      |        |       |       |



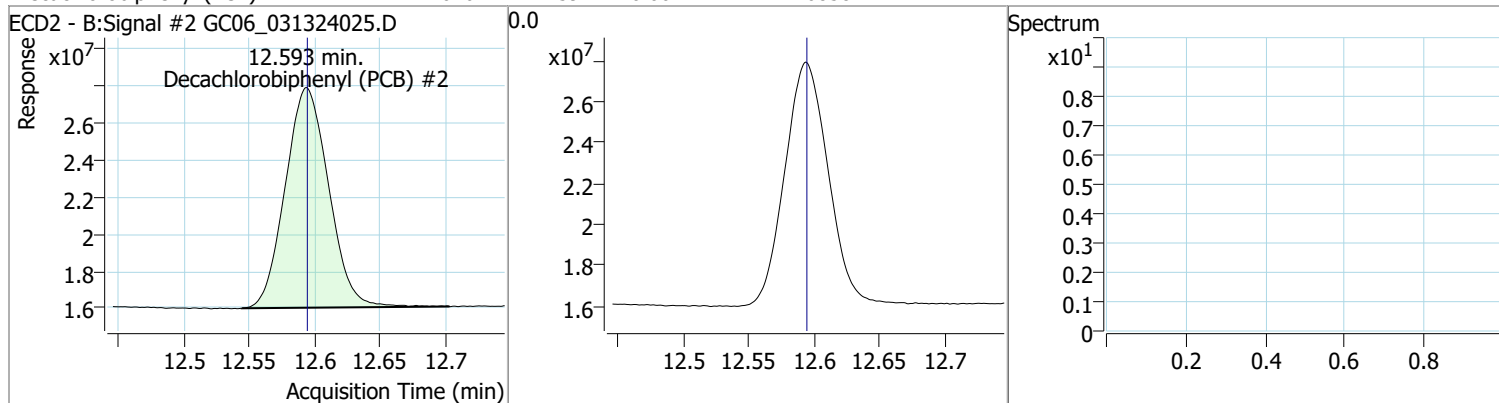
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 #2 | 5.1576 | 11.18 | -0.01    | 476374 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|---------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 59.7535 | 11.57 | 0.00     | 4513158 |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 22.7046 | 12.59 | 0.00     | 27446858 |      |        |       |       |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                 |
|----------------------|----------------------|-------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-015   | Client ID: ARCH-C14W-INT-2.5 TO 3.5-240308-P-WF |
| Seqnum: 454105680026 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                          |
| File: gc06_031324026 | Batch: 335088        | Time: 13-MAR-2024 17:12                         |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                                 |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                   |

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

| Analyte               | Ch | Raw   | Result  | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|---------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 23.40 | ND      | 1.1  | 129% | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 46.25 | 0.46    | 2.59 | 139% |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 45.88 | 0.46    | 0.31 | 37%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 5.084 | 0.05    | 2.03 | 190% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 13.94 | 0.14    | 0.03 | 127% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 5.842 | 0.06    | 0.47 | 156% |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND      |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND      |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND      |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND      |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND      |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 56.90 | 0.57 FP | 1.3  | 78%  | 0.50 |       | x u   |
| Aroclor-1260 Peak # 1 | B  | 22.41 | 0.22    | 3.08 | 173% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 241.6 | 2.42    | 0.08 | 187% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 13.42 | 0.13    | 0.53 | 119% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 1.622 | 0.02    | 1.71 | 196% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 5.483 | 0.05    | 1.08 | 181% |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND      |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND      |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 26.67 | 0.5000 | 0.2667 | 53   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 32.58 | 0.5000 | 0.3258 | 65   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031324009)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 22925252  | 25158923     | 9.74   |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2080071   | 1142817      | -45.06 |

| ISTD (ICAL gc06_031324013)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 33849932   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 3089651    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031324009)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.08   | 4.08      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.93   | 3.93      | 0.00  |

| ISTD (ICAL gc06_031324013)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.08    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.93    | ???       |       |

03/14/24 : WIPE/1dm2-10ML

*u=use x=false positive*

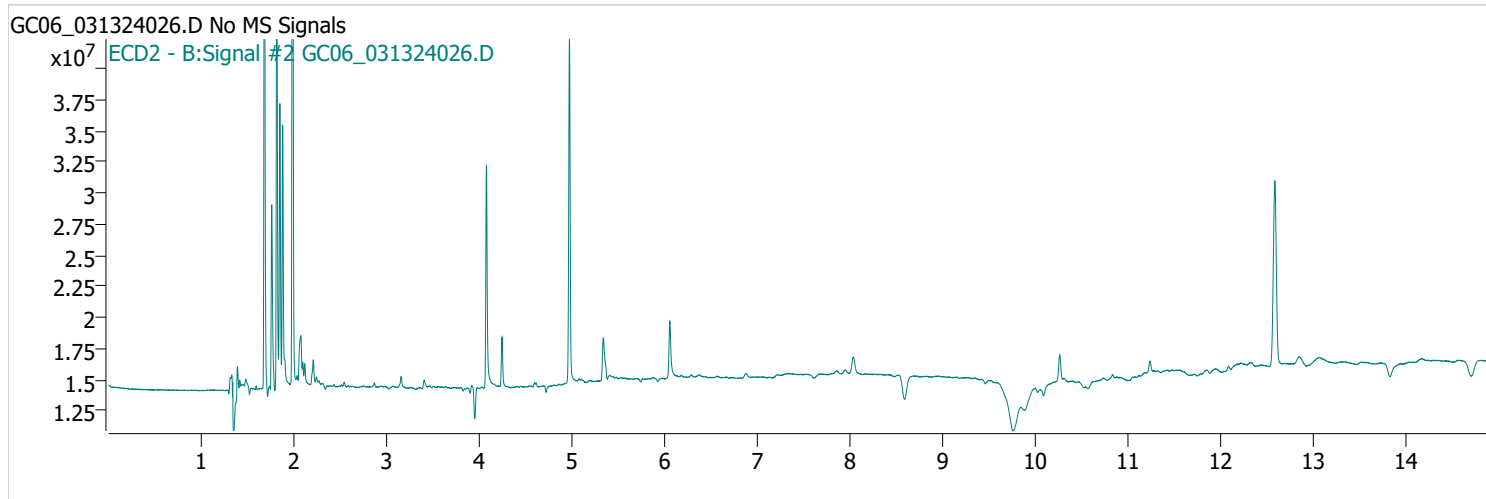
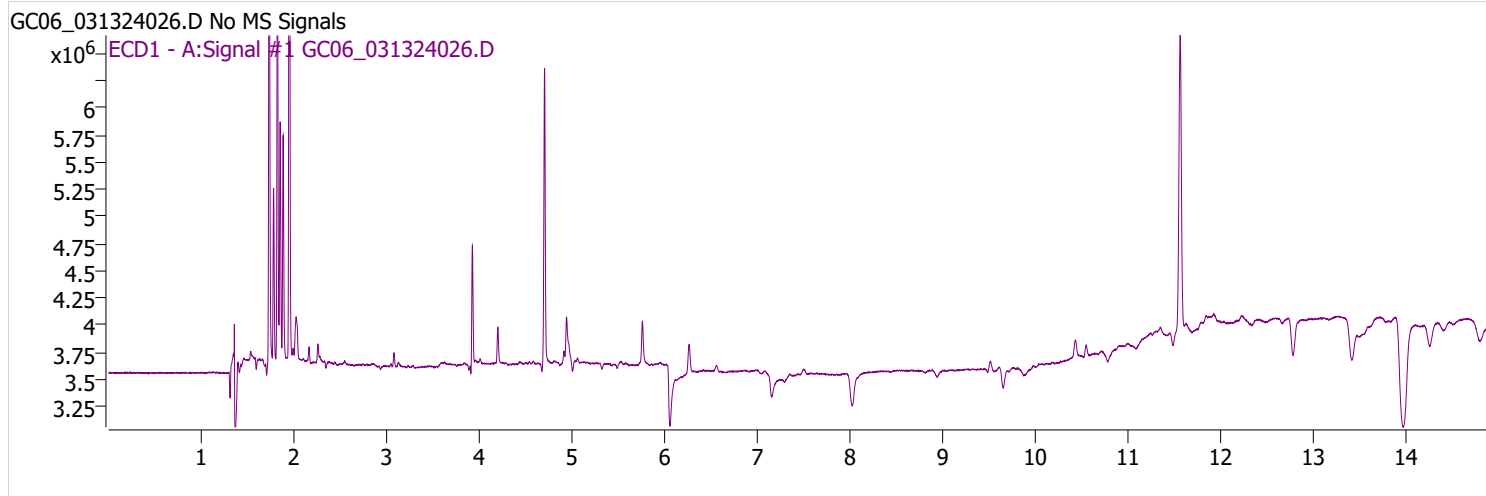
**Analyst:** MES 03/14/24

**Reviewer:** MTS 03/15/24



# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031324026.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/13/2024 5:12:54 PM |
| Sample Name    | 504073-015, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 13                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_5.m | Comment           | WIPE/1dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031324-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.928                | 0.0  | 1142816.538  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.081                | 0.0  | 25158923.170 | 20.0000            | ng/ml | -0.001   |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.708                | 0.0  | 3087754.955  | 54.7488            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 273.74% | *     |          |
| S TCMX (PCB) #2                    | 4.977                | 0.0  | 30856857.479 | 26.6682            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 133.34% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.572               | 0.0  | 5465700.262  | 72.6239            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 363.12% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.593               | 0.0  | 34111470.909 | 32.5820            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 162.91% | *     |          |

## Target Compounds

GC06\_031324026.D

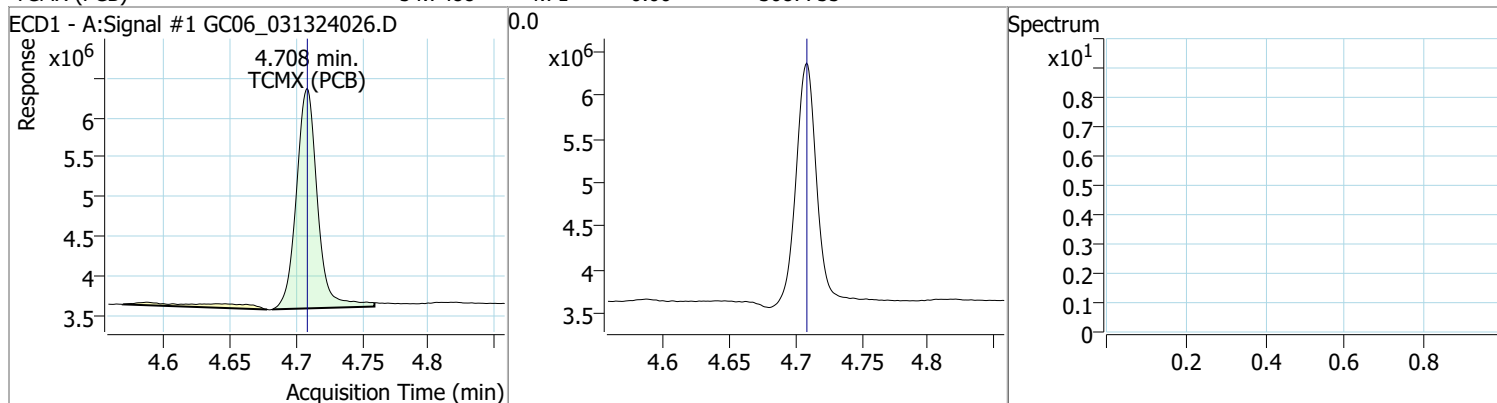
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.    | Units | Dev(Min) |
|---------------|--------|------|--------------|----------|-------|----------|
| T AR1016 1    | 5.063  | 0.0  | 324908.415   | 259.4142 | ng/ml | 100      |
| T AR1016 2    | 5.361  | 0.0  | 76180.659    | 31.4590  | ng/ml | 100      |
| T AR1016 1 #2 | 5.412  | 0.0  | 1156296.830  | 46.2545  | ng/ml | 100      |
| T AR1016 3    | 5.764  | 0.0  | 625310.822   | 202.7868 | ng/ml | 100      |
| T AR1016 2 #2 | 5.881  | 0.0  | 2334597.503  | 45.8794  | ng/ml | 100      |
| T AR1016 4    | 5.800  | 0.0  | 5707.905     | 3.0928   | ng/ml | 100      |
| T AR1016 3 #2 | 6.289  | 0.0  | 356747.867   | 5.0841   | ng/ml | 100      |
| T AR1016 5    | 6.313  | 0.0  | 79751.366    | 47.1636  | ng/ml | 100      |
| T AR1016 4 #2 | 6.373  | 0.0  | 635888.069   | 13.9357  | ng/ml | 100      |
| T AR1016 5 #2 | 7.052  | 0.0  | 217107.391   | 5.8421   | ng/ml | 100      |
| T AR1260 1    | 7.937  | 0.0  | 1098355.759  | 308.2833 | ng/ml | 100      |
| T AR1260 2    | 8.521  | 0.0  | 42985.605    | 7.9632   | ng/ml | 100      |
| T AR1260 3    | 9.075  | 0.0  | 293816.131   | 52.7445  | ng/ml | 100      |
| T AR1260 1 #2 | 9.268  | 0.0  | 1646418.463  | 22.4103  | ng/ml | 100      |
| T AR1260 2 #2 | 9.508  | 0.0  | 21120156.877 | 241.5536 | ng/ml | 100      |
| T AR1260 4    | 9.615  | 0.0  | 531818.242   | 171.1796 | ng/ml | 100      |
| T AR1260 3 #2 | 10.063 | 0.0  | 1373312.704  | 13.4228  | ng/ml | 100      |
| T AR1260 5    | 10.439 | 0.0  | 434695.247   | 108.0763 | ng/ml | 100      |
| T AR1260 4 #2 | 10.551 | 0.0  | 101749.281   | 1.6216   | ng/ml | 100      |
| T AR1260 5 #2 | 11.188 | 0.0  | 438608.703   | 5.4832   | ng/ml | 100      |

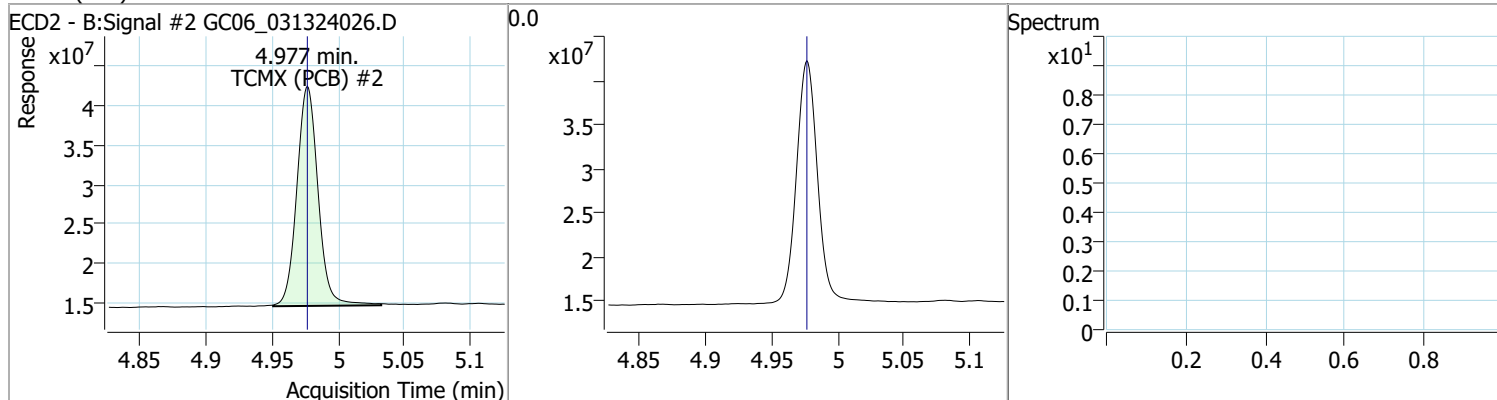
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

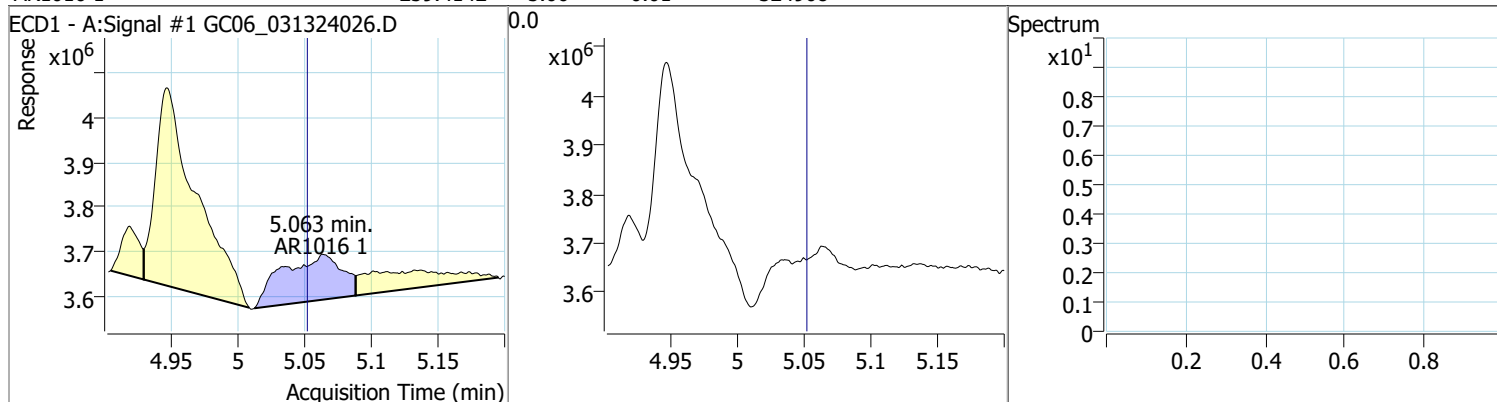
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 54.7488 | 4.71 | 0.00     | 3087755 |      |        |       |       |



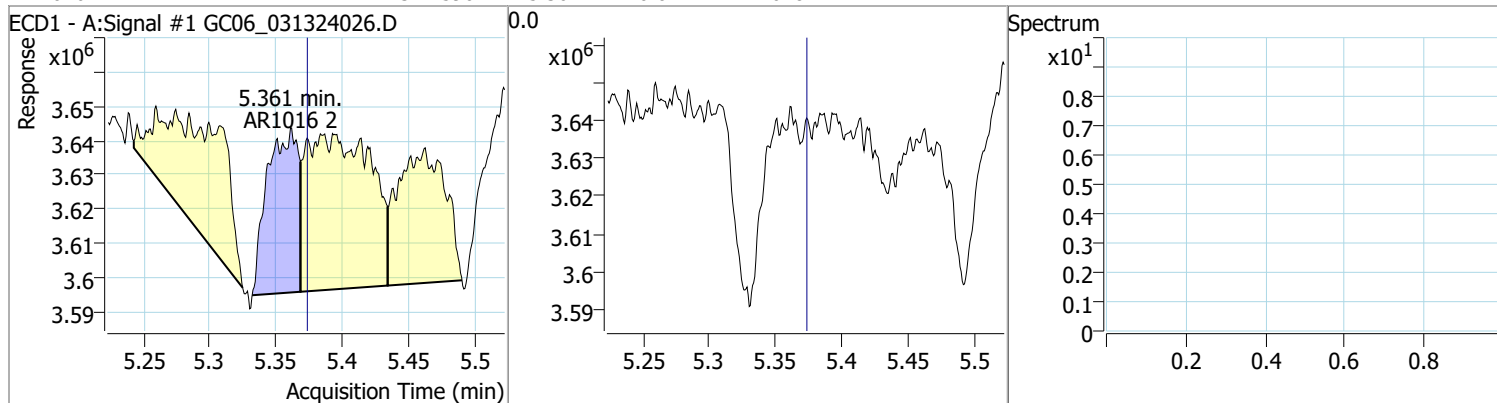
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 26.6682 | 4.98 | 0.00     | 30856857 |      |        |       |       |



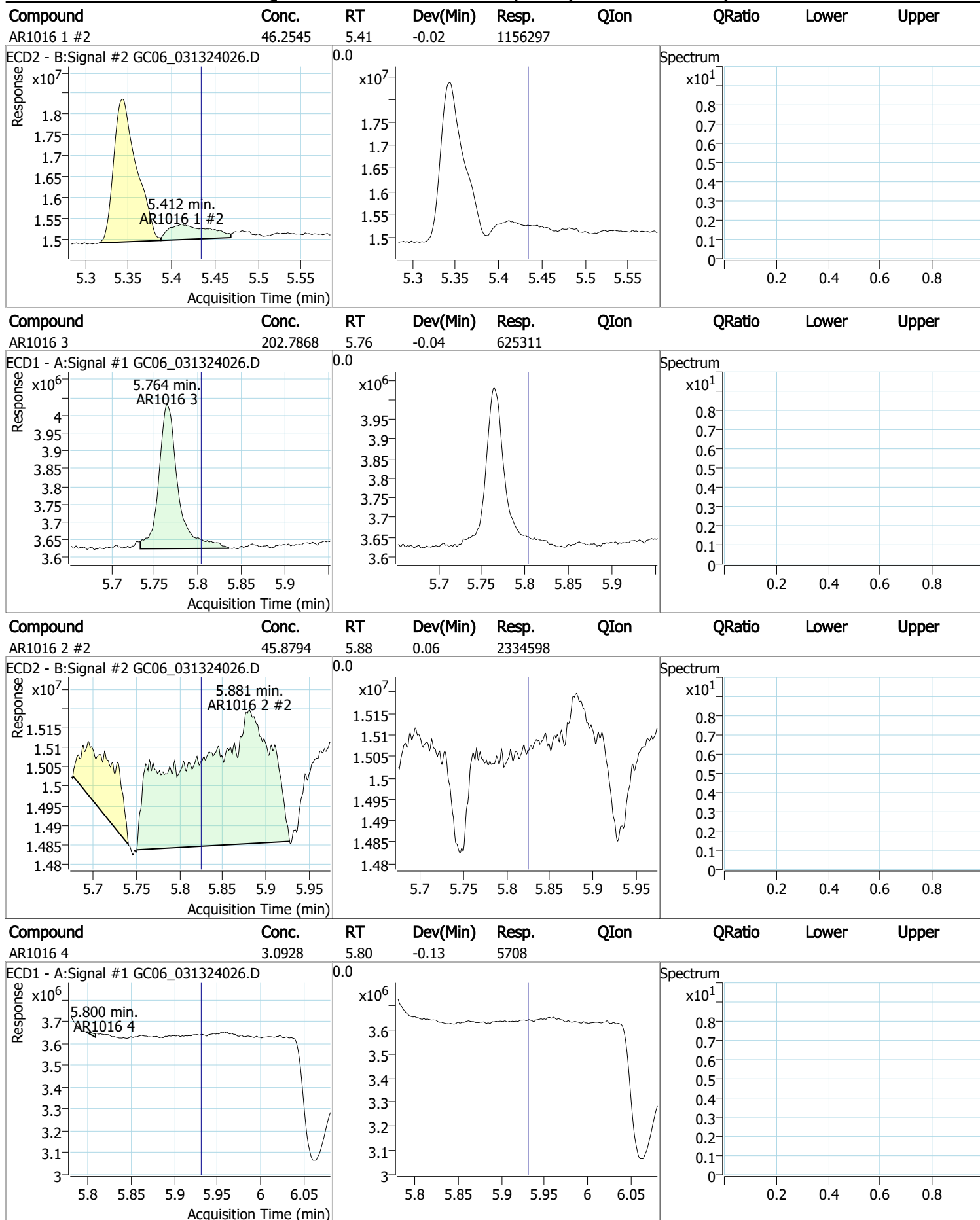
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 259.4142 | 5.06 | 0.01     | 324908 |      |        |       |       |



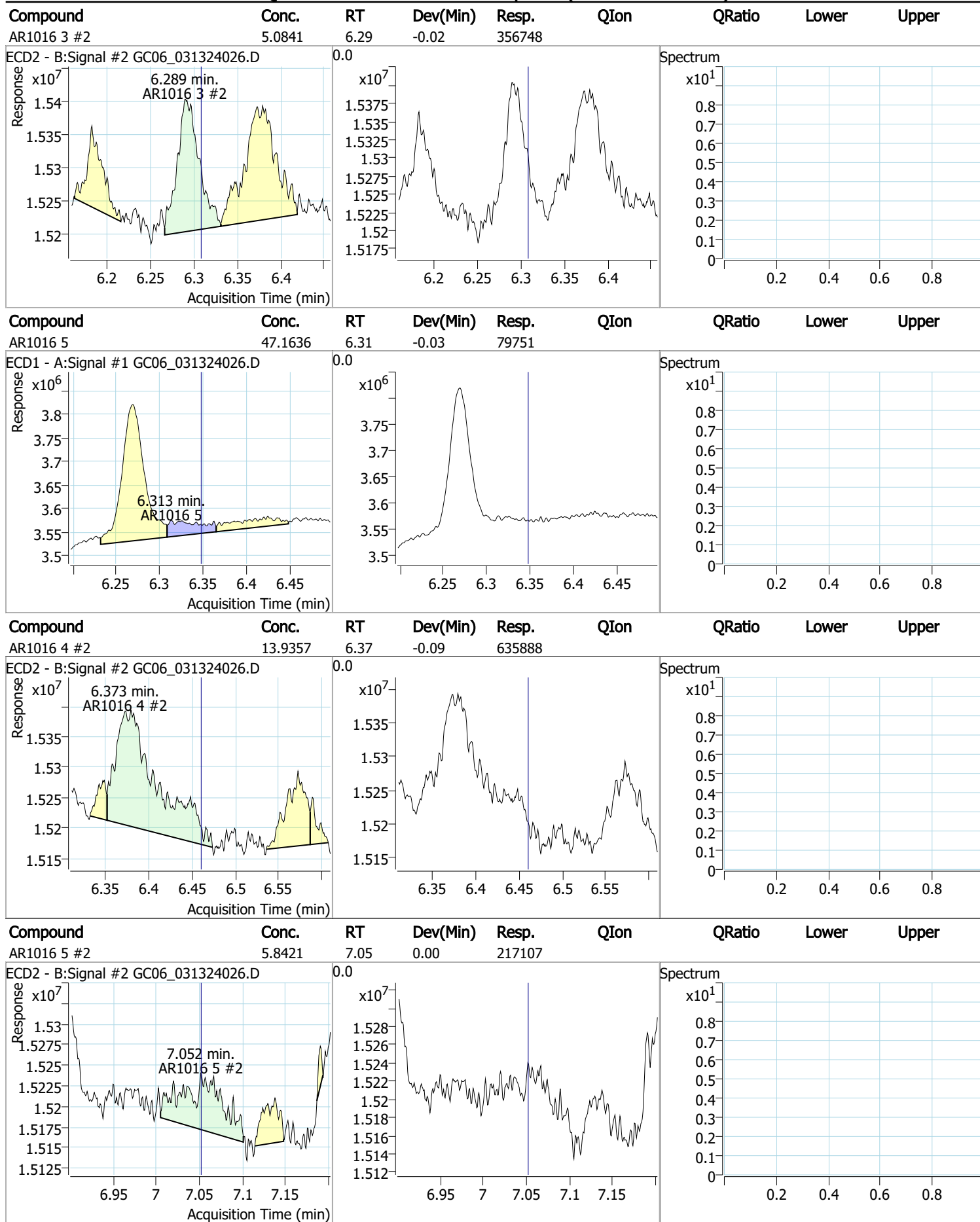
| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1016 2 | 31.4590 | 5.36 | -0.01    | 76181 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

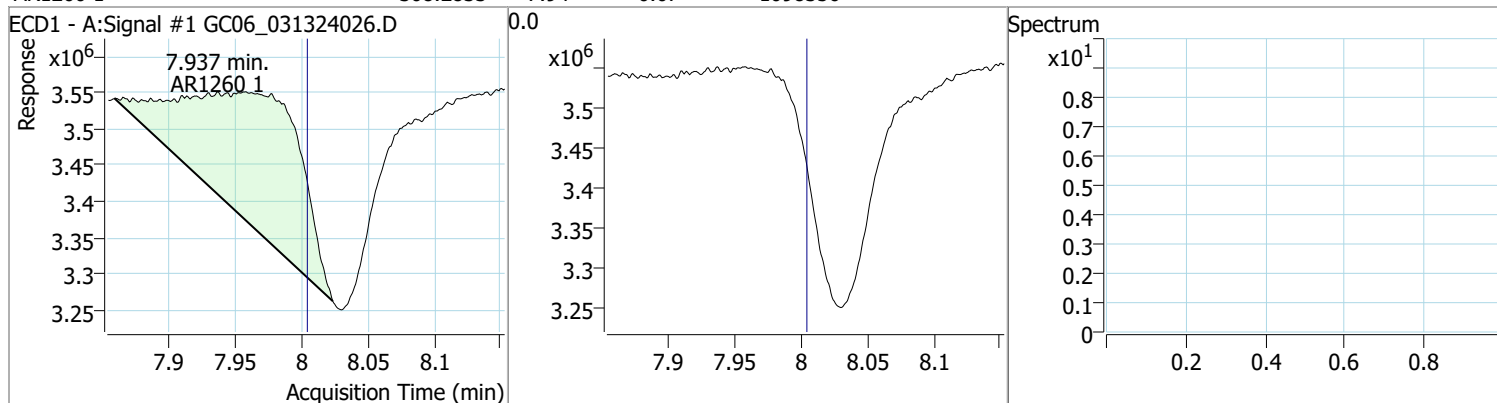


# Quantitation Results Report (Not Reviewed)

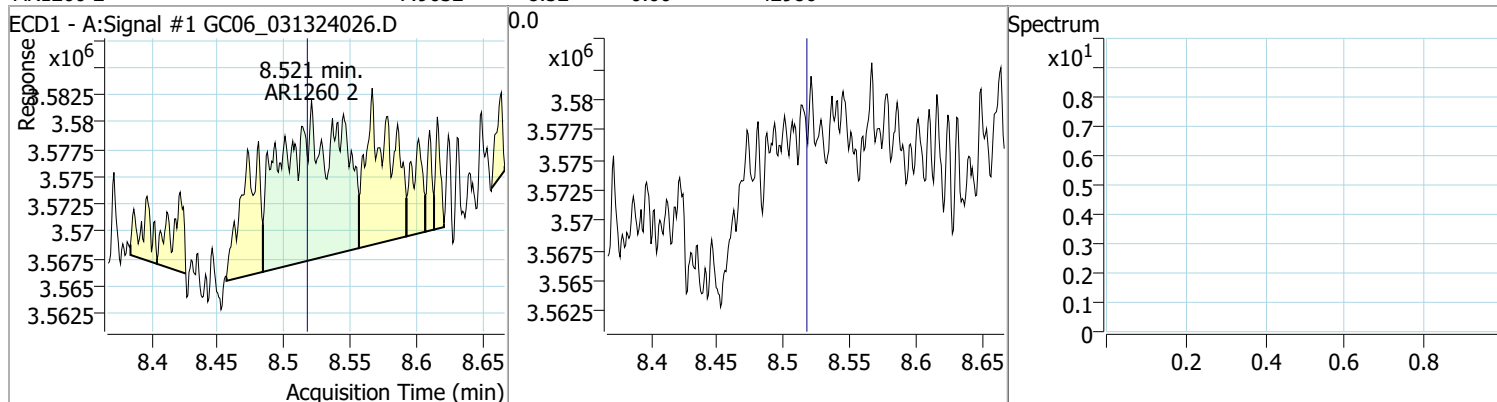


# Quantitation Results Report (Not Reviewed)

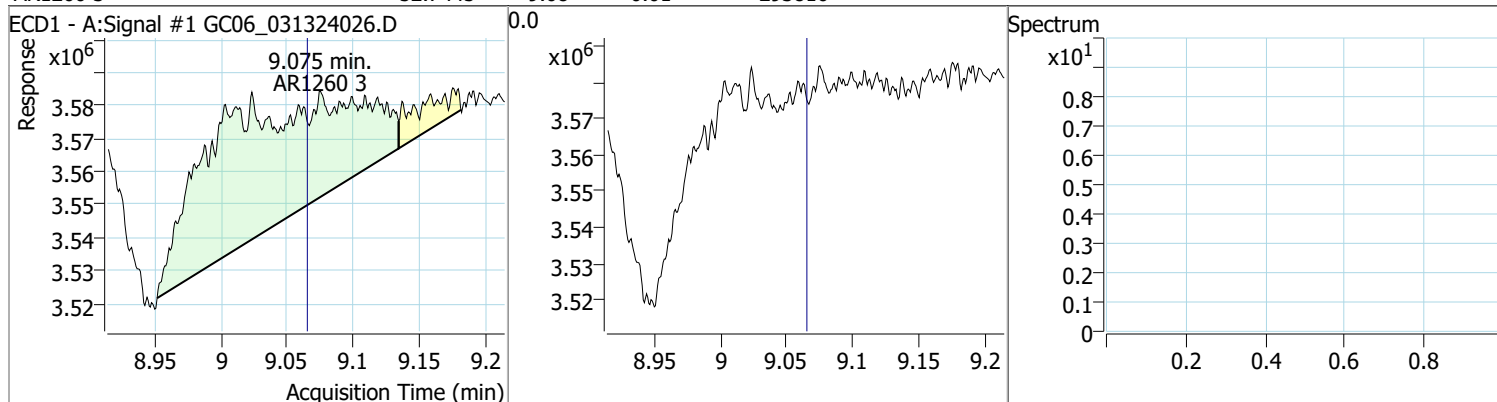
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 308.2833 | 7.94 | -0.07    | 1098356 |      |        |       |       |



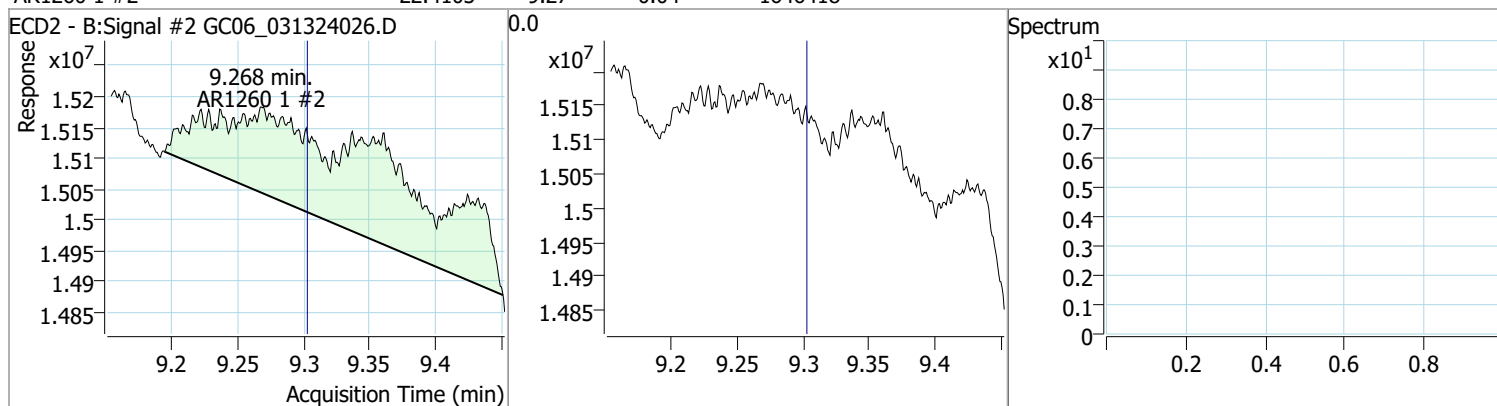
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 7.9632 | 8.52 | 0.00     | 42986 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 3 | 52.7445 | 9.08 | 0.01     | 293816 |      |        |       |       |

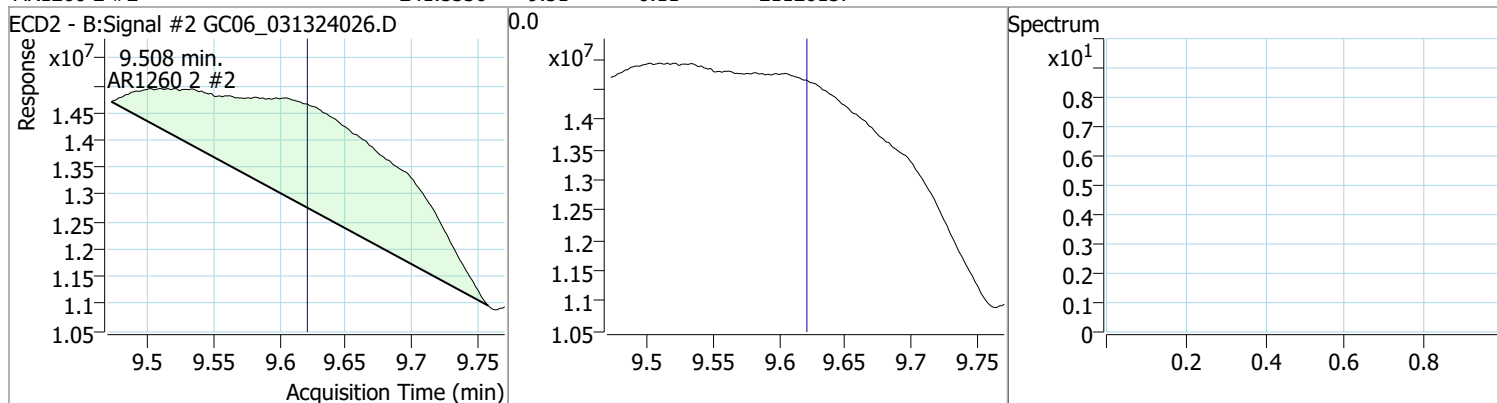


| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 #2 | 22.4103 | 9.27 | -0.04    | 1646418 |      |        |       |       |

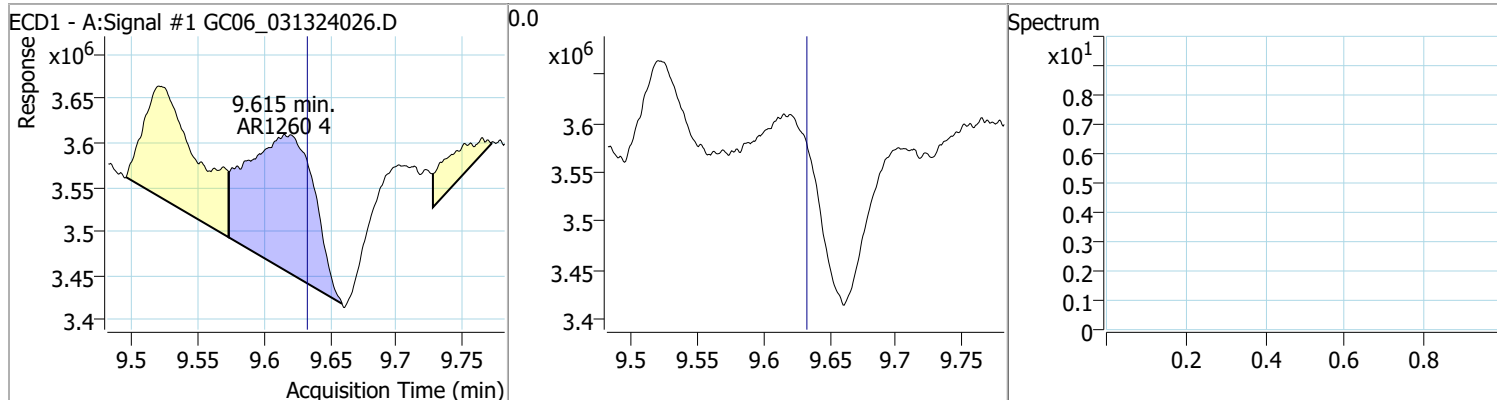


# Quantitation Results Report (Not Reviewed)

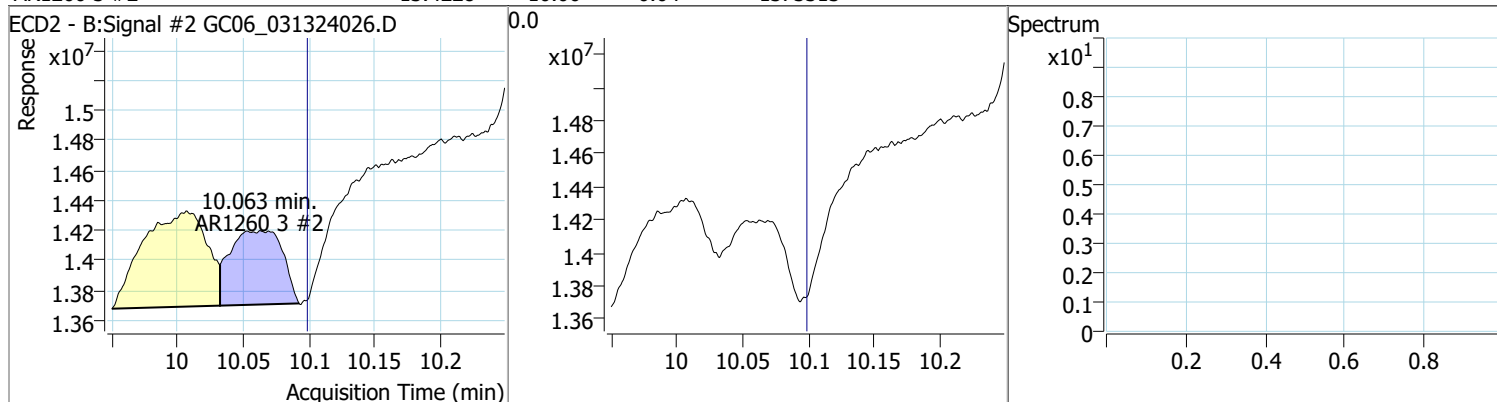
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 #2 | 241.5536 | 9.51 | -0.11    | 21120157 |      |        |       |       |



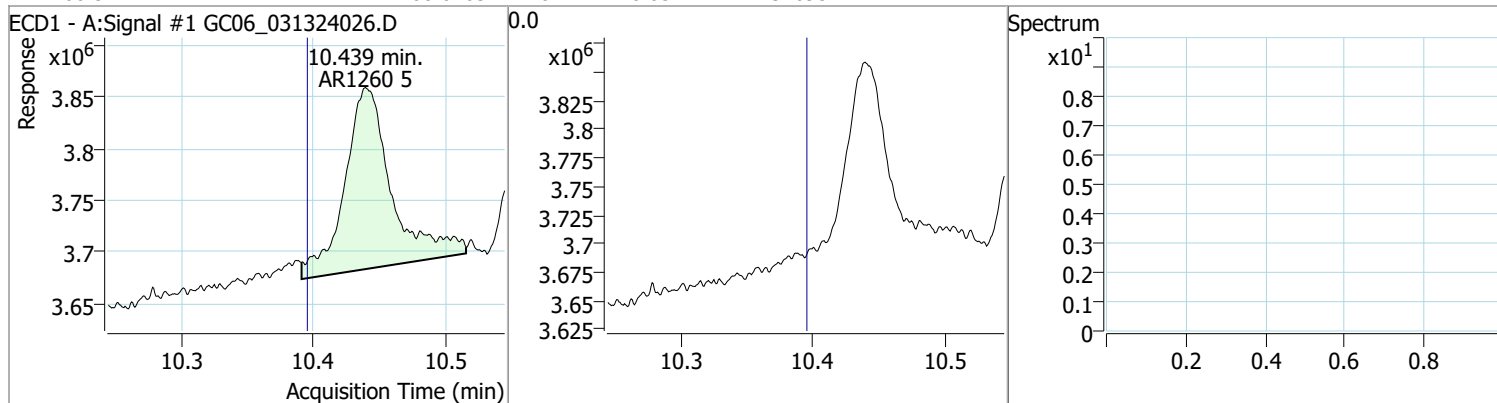
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1260 4 | 171.1796 | 9.62 | -0.02    | 531818 |      |        |       |       |



| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 13.4228 | 10.06 | -0.04    | 1373313 |      |        |       |       |



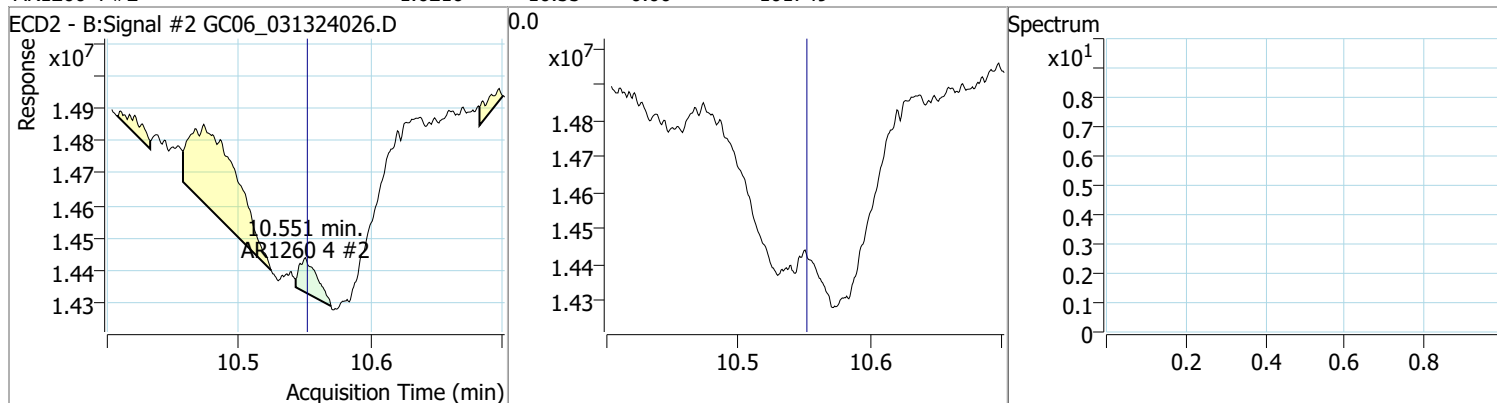
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 108.0763 | 10.44 | 0.05     | 434695 |      |        |       |       |



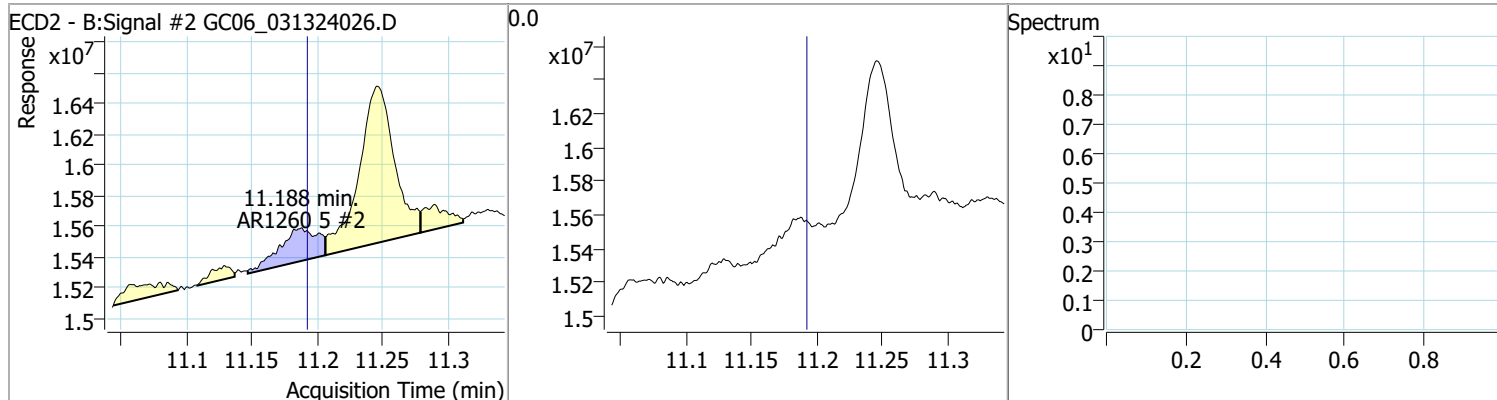


# Quantitation Results Report (Not Reviewed)

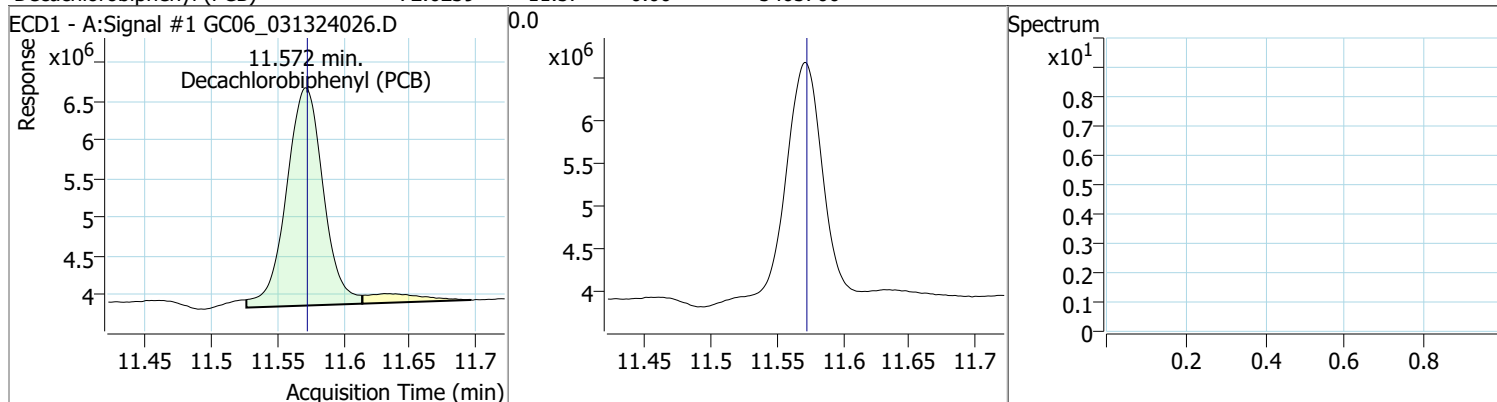
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 4 #2 | 1.6216 | 10.55 | 0.00     | 101749 |      |        |       |       |



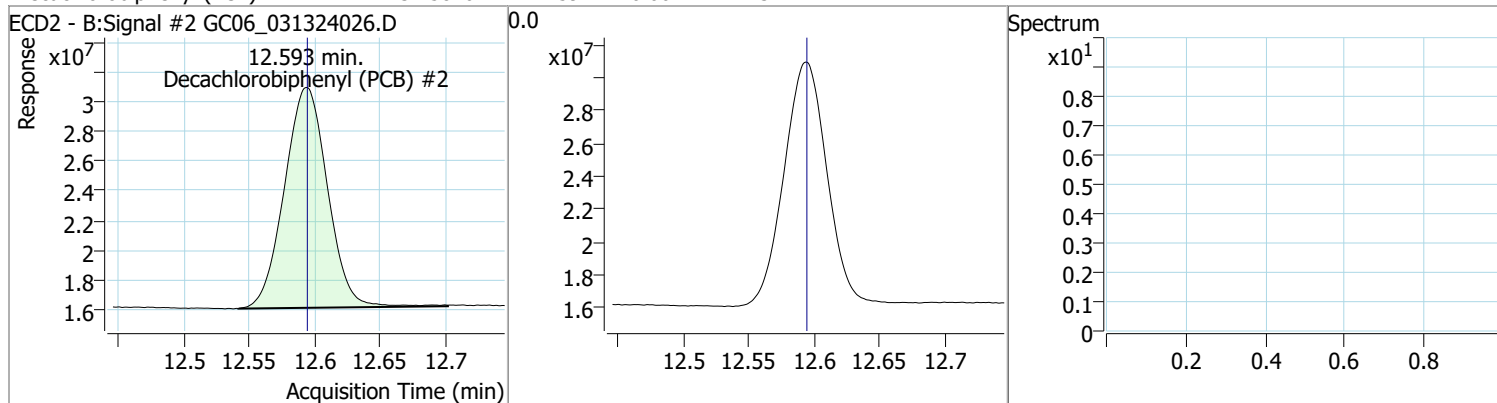
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 #2 | 5.4832 | 11.19 | -0.01    | 438609 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|---------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 72.6239 | 11.57 | 0.00     | 5465700 |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 32.5820 | 12.59 | 0.00     | 34111471 |      |        |       |       |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-017   | Client ID: ARCH-C14W-DG-4 TO 4.5-240308-P-FB |
| Seqnum: 454105680027 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: gc06_031324027 | Batch: 335088        | Time: 13-MAR-2024 17:32                      |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                |

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

| Analyte               | Ch | Raw   | Result  | Conf  | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|---------|-------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 26.27 | ND      | 4.7   | 179% | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 63.71 | 0.64    | 2.92  | 128% |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 50.83 | 0.51    | 1.24  | 84%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 4.105 | 0.04    | 1.64  | 190% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 10.74 | 0.11    | 17.32 | 198% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 1.967 | 0.02    | 0.25  | 170% |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND      |       |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND      |       |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND      |       |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND      |       |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND      |       |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 53.11 | 0.53 FP | 1.8   | 110% | 0.50 |       | x u   |
| Aroclor-1260 Peak # 1 | B  | 2.635 | 0.03    | 3.74  | 197% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 230.7 | 2.31    | 0.09  | 185% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 13.76 | 0.14    | 0.96  | 150% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 10.56 | 0.11    | 3.70  | 189% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 7.902 | 0.08    | 0.69  | 159% |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND      |       |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND      |       |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 30.88 | 0.5000 | 0.3088 | 62   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | 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+OCCV+RCCV+RICV**(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

| ISTD (CCV gc06_031324009)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 22925252  | 27688473     | 20.78  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2080071   | 1547676      | -25.60 |

| ISTD (ICAL gc06_031324013)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 33849932   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 3089651    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031324009)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.08   | 4.08      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.93   | 3.93      | 0.00  |

| ISTD (ICAL gc06_031324013)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.08    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.93    | ???       |       |

03/14/24 : WIPE/1dm2-10ML

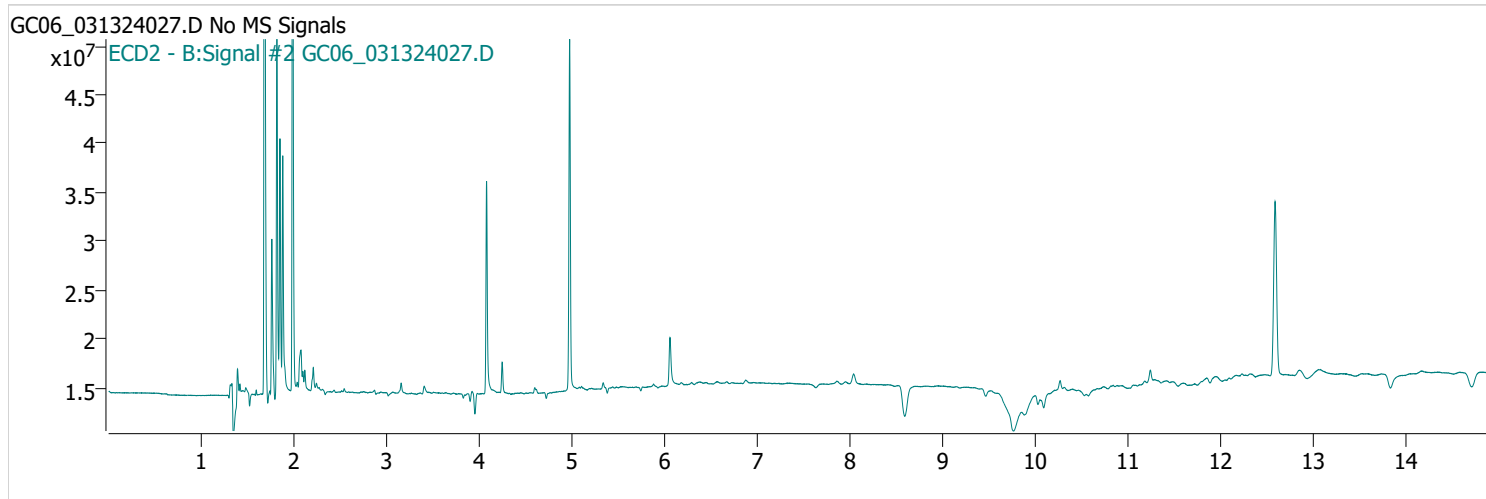
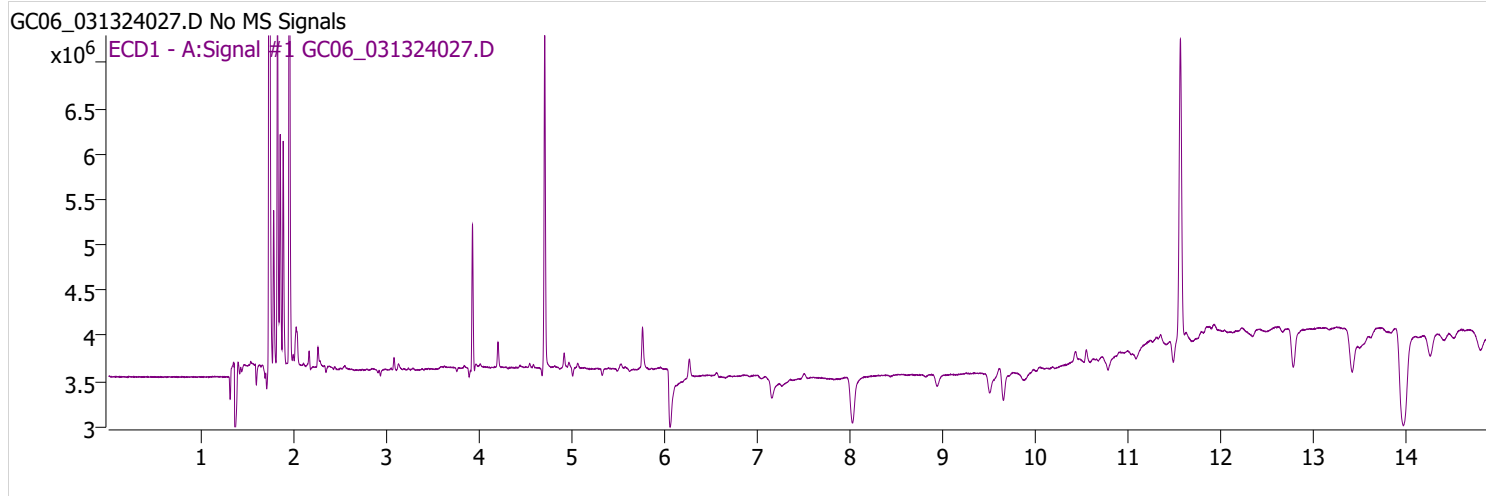
*u=use x=false positive*

**Analyst:** MES 03/14/24

**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031324027.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/13/2024 5:32:25 PM |
| Sample Name    | 504073-017, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 14                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_5.m | Comment           | WIPE/1dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031324-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.928                | 0.0  | 1547676.38<br>9  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.080                | 0.0  | 27688473.3<br>21 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.708                | 0.0  | 4037780.78<br>7  | 52.8653            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 264.33% | *     |          |
| S TCMX (PCB) #2                    | 4.977                | 0.0  | 39323882.7<br>30 | 30.8810            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 154.41% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.570               | 0.0  | 7370091.64<br>4  | 72.3108            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 361.55% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.592               | 0.0  | 39878846.8<br>64 | 34.6110            | ng/ml | -0.004   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 173.05% | *     |          |

## Target Compounds

QValue

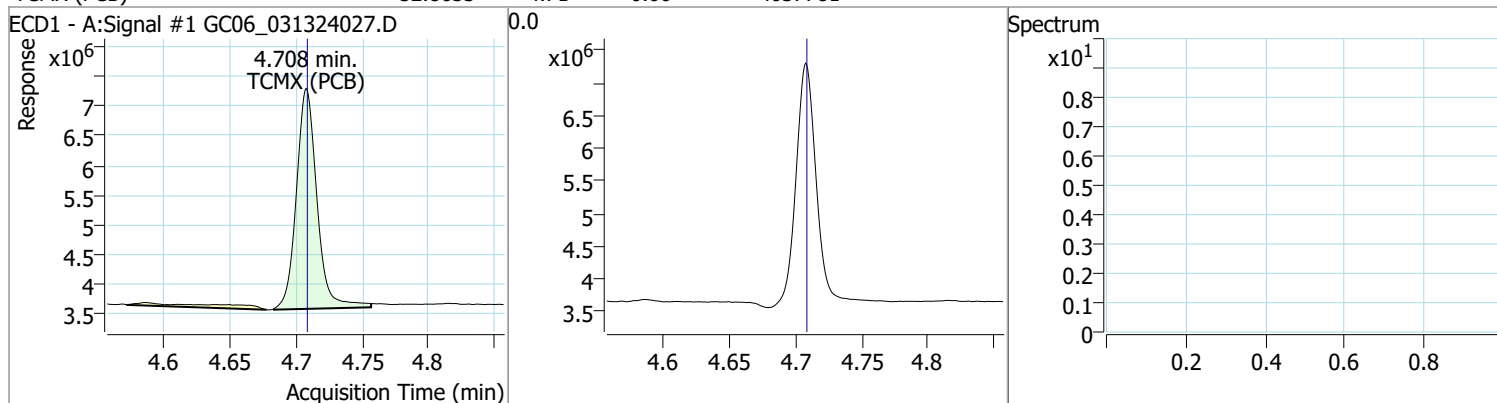
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.     | Units | Dev(Min) |
|---------------|--------|------|--------------|-----------|-------|----------|
| T AR1016 1    | 5.063  | 0.0  | 495047.005   | 291.8607  | ng/ml | 100      |
| T AR1016 2    | 5.395  | 0.0  | 406686.762   | 124.0098  | ng/ml | 100      |
| T AR1016 1 #2 | 5.440  | 0.0  | 1752759.417  | 63.7089   | ng/ml | 100      |
| T AR1016 3    | 5.763  | 0.0  | 682911.767   | 163.5328  | ng/ml | 100      |
| T AR1016 2 #2 | 5.881  | 0.0  | 2846713.520  | 50.8326   | ng/ml | 100      |
| T AR1016 4    | 5.956  | 0.0  | 4329203.943  | 1732.1078 | ng/ml | 100      |
| T AR1016 3 #2 | 6.295  | 0.0  | 317002.811   | 4.1050    | ng/ml | 100      |
| T AR1016 5    | 6.312  | 0.0  | 56483.089    | 24.6651   | ng/ml | 100      |
| T AR1016 4 #2 | 6.450  | 0.0  | 539171.817   | 10.7366   | ng/ml | 100      |
| T AR1016 5 #2 | 7.058  | 0.0  | 80468.120    | 1.9675    | ng/ml | 100      |
| T AR1260 1    | 7.963  | 0.0  | 1805905.084  | 374.2814  | ng/ml | 100      |
| T AR1260 2    | 8.520  | 0.0  | 65192.468    | 8.9178    | ng/ml | 100      |
| T AR1260 3    | 9.087  | 0.0  | 727214.207   | 96.3964   | ng/ml | 100      |
| T AR1260 1 #2 | 9.285  | 0.0  | 213072.601   | 2.6353    | ng/ml | 100      |
| T AR1260 2 #2 | 9.520  | 0.0  | 22198522.287 | 230.6925  | ng/ml | 100      |
| T AR1260 4    | 9.613  | 0.0  | 1557455.683  | 370.1697  | ng/ml | 100      |
| T AR1260 3 #2 | 10.053 | 0.0  | 1548998.130  | 13.7568   | ng/ml | 100      |
| T AR1260 5    | 10.436 | 0.0  | 377791.932   | 69.3577   | ng/ml | 100      |
| T AR1260 4 #2 | 10.468 | 0.0  | 729513.764   | 10.5642   | ng/ml | 100      |
| T AR1260 5 #2 | 11.186 | 0.0  | 695612.479   | 7.9017    | ng/ml | 100      |

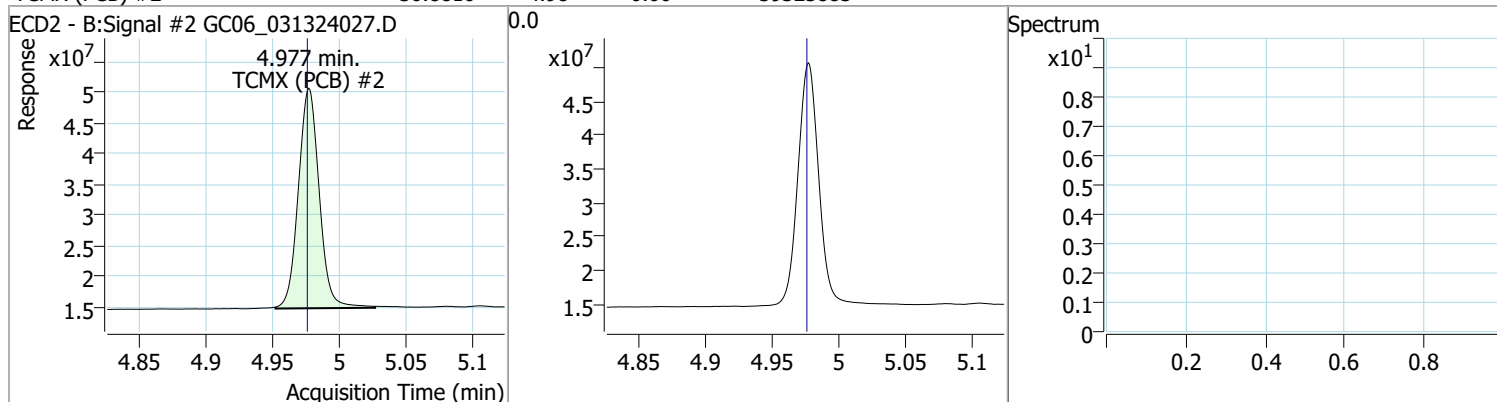
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

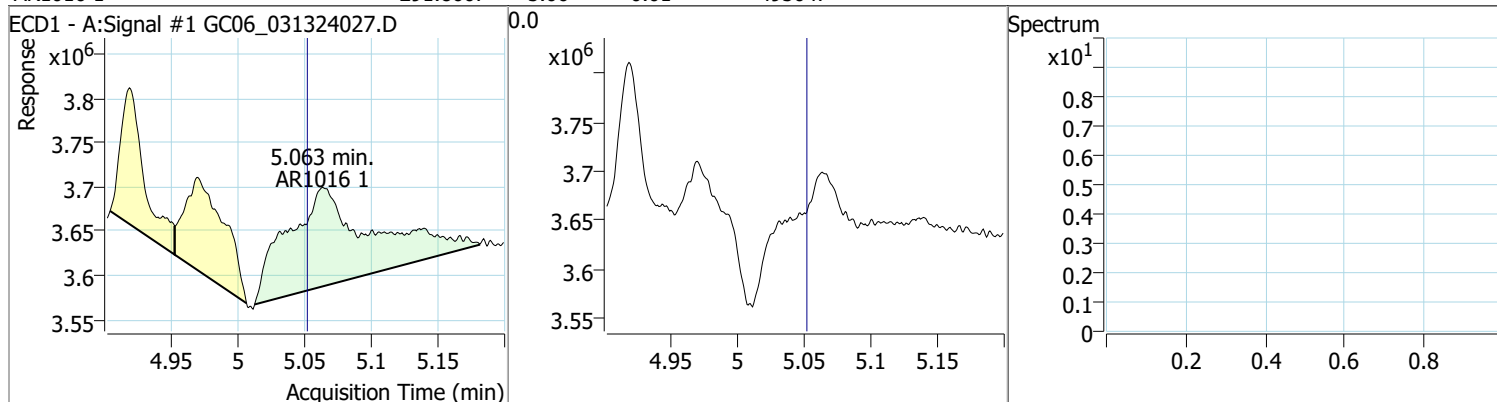
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 52.8653 | 4.71 | 0.00     | 4037781 |      |        |       |       |



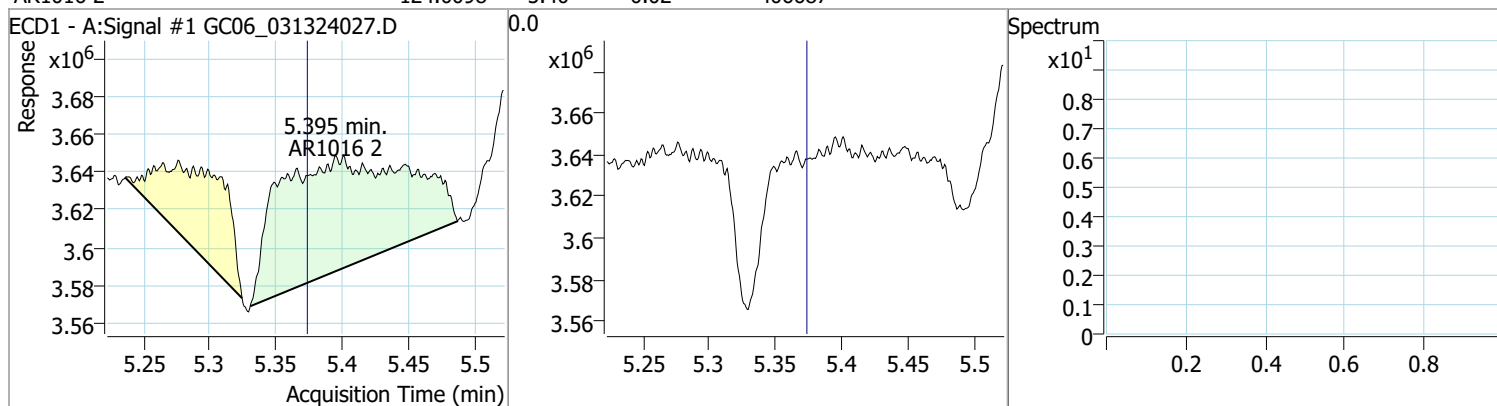
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 30.8810 | 4.98 | 0.00     | 39323883 |      |        |       |       |



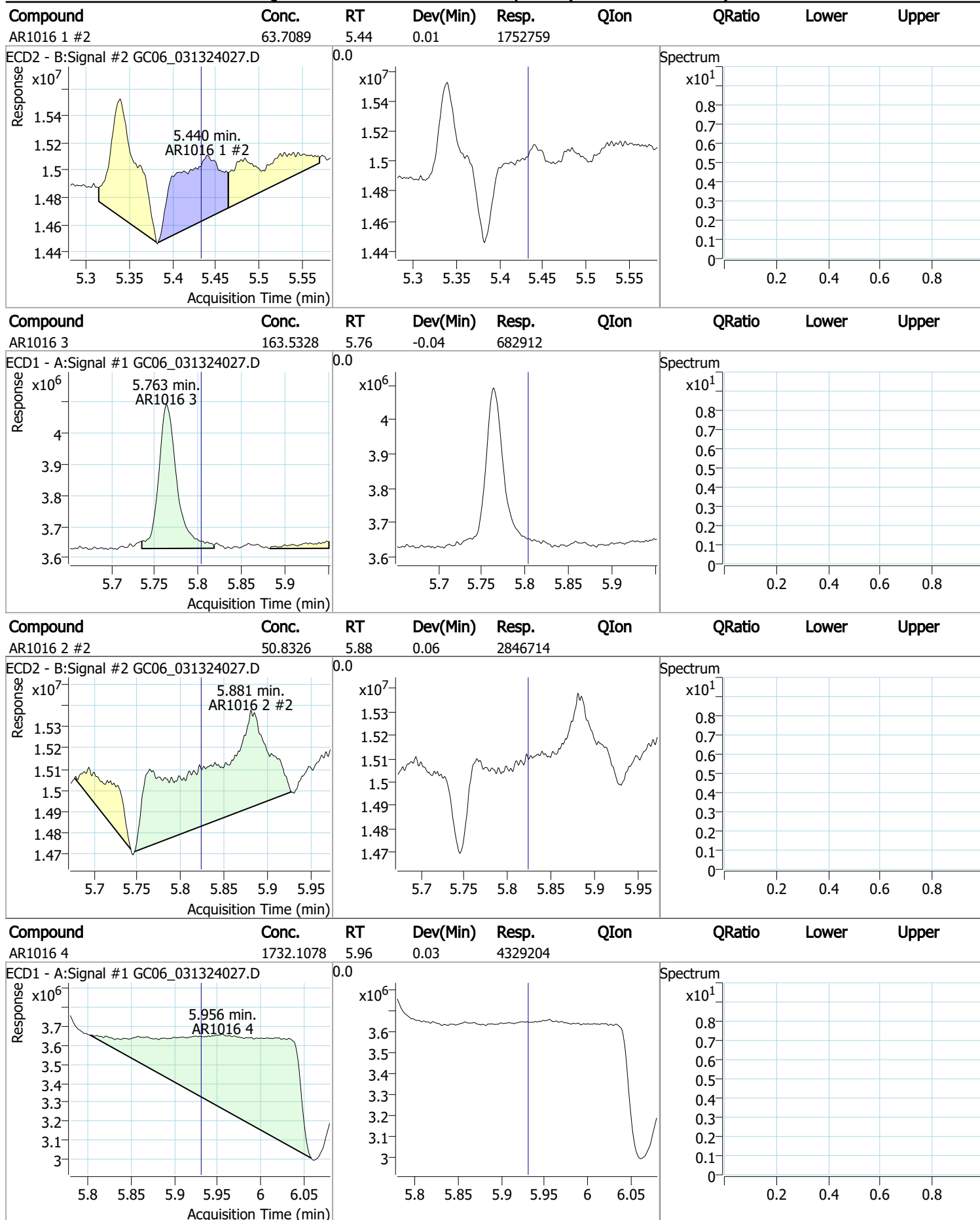
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 291.8607 | 5.06 | 0.01     | 495047 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 124.0098 | 5.40 | 0.02     | 406687 |      |        |       |       |

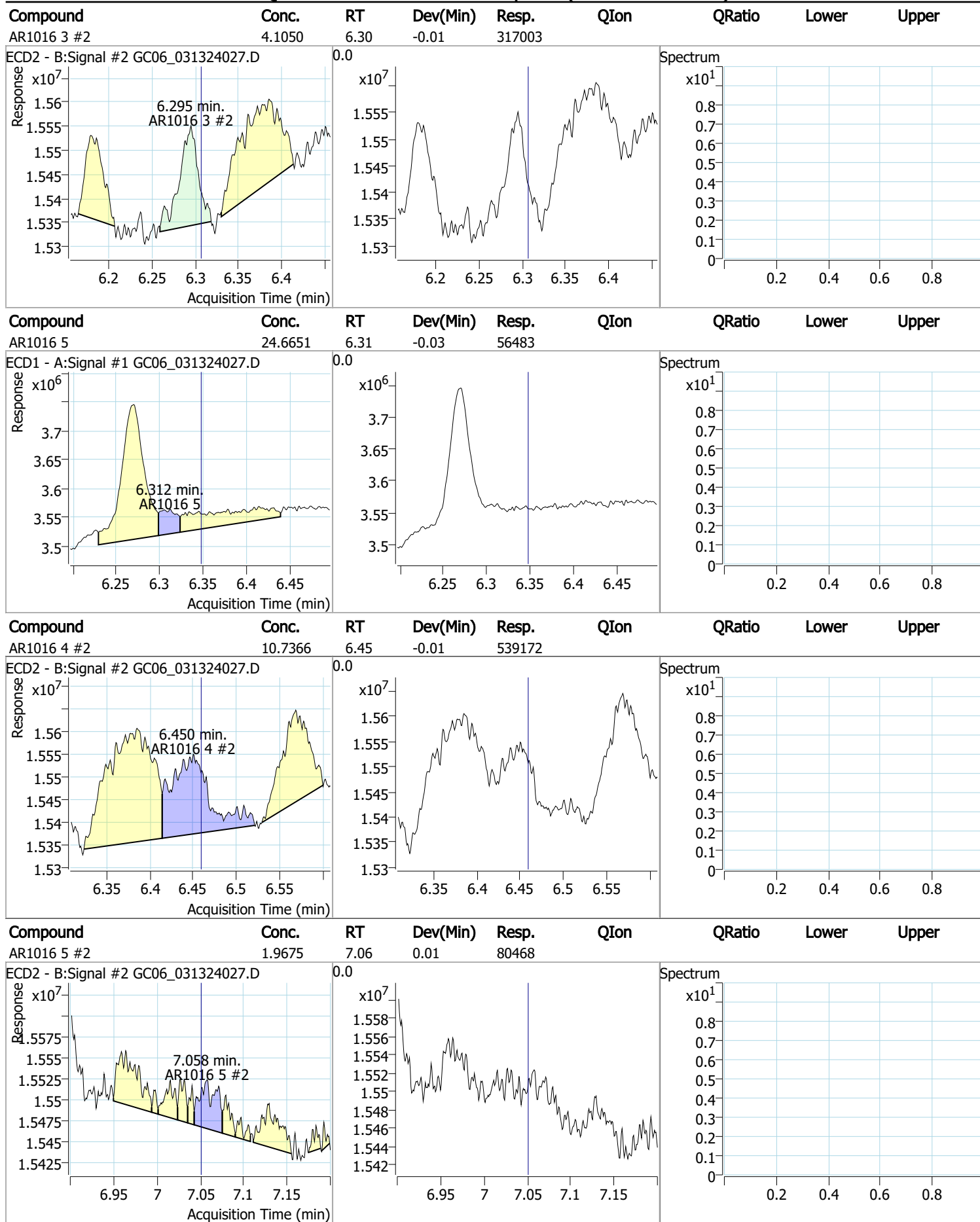


# Quantitation Results Report (Not Reviewed)

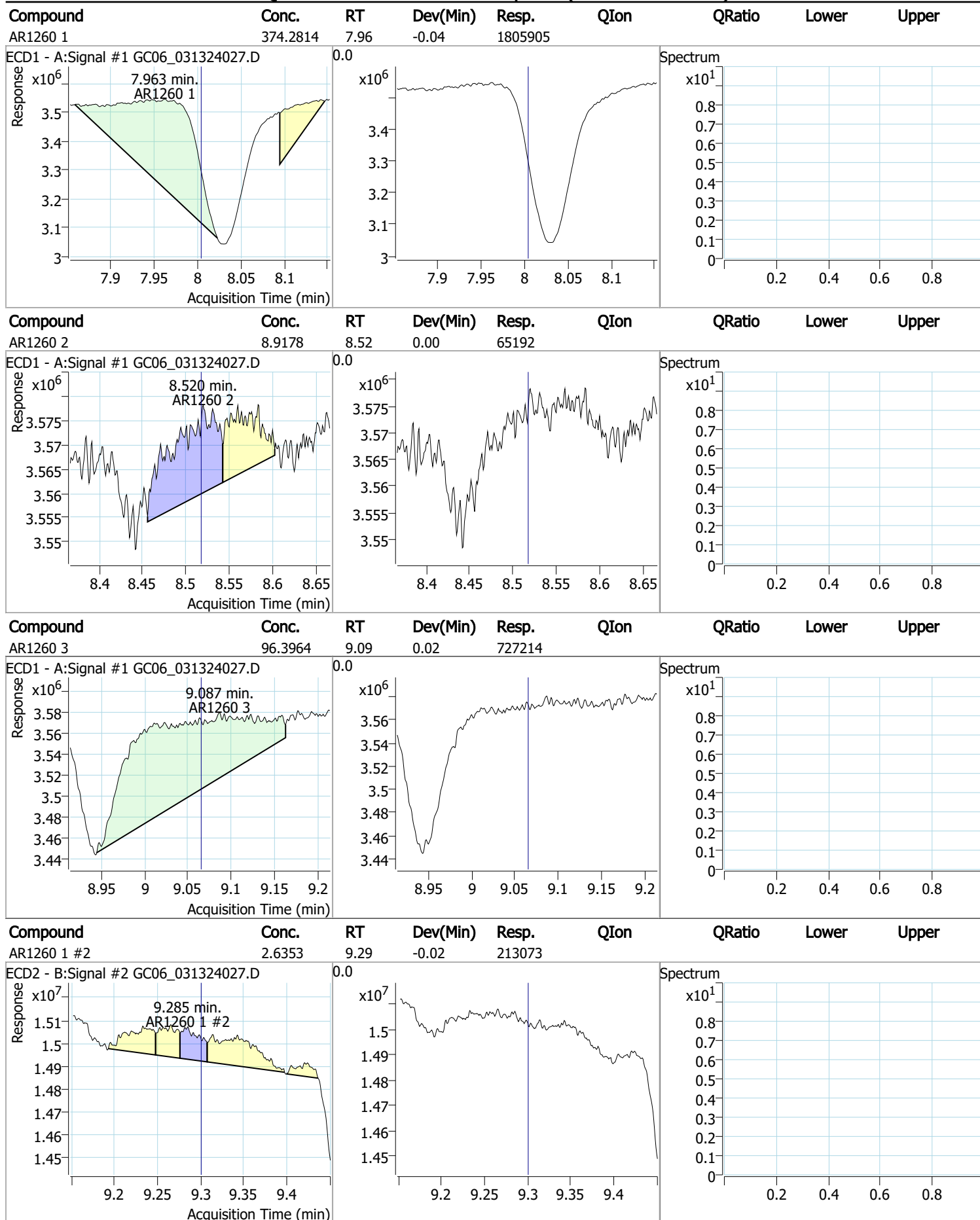




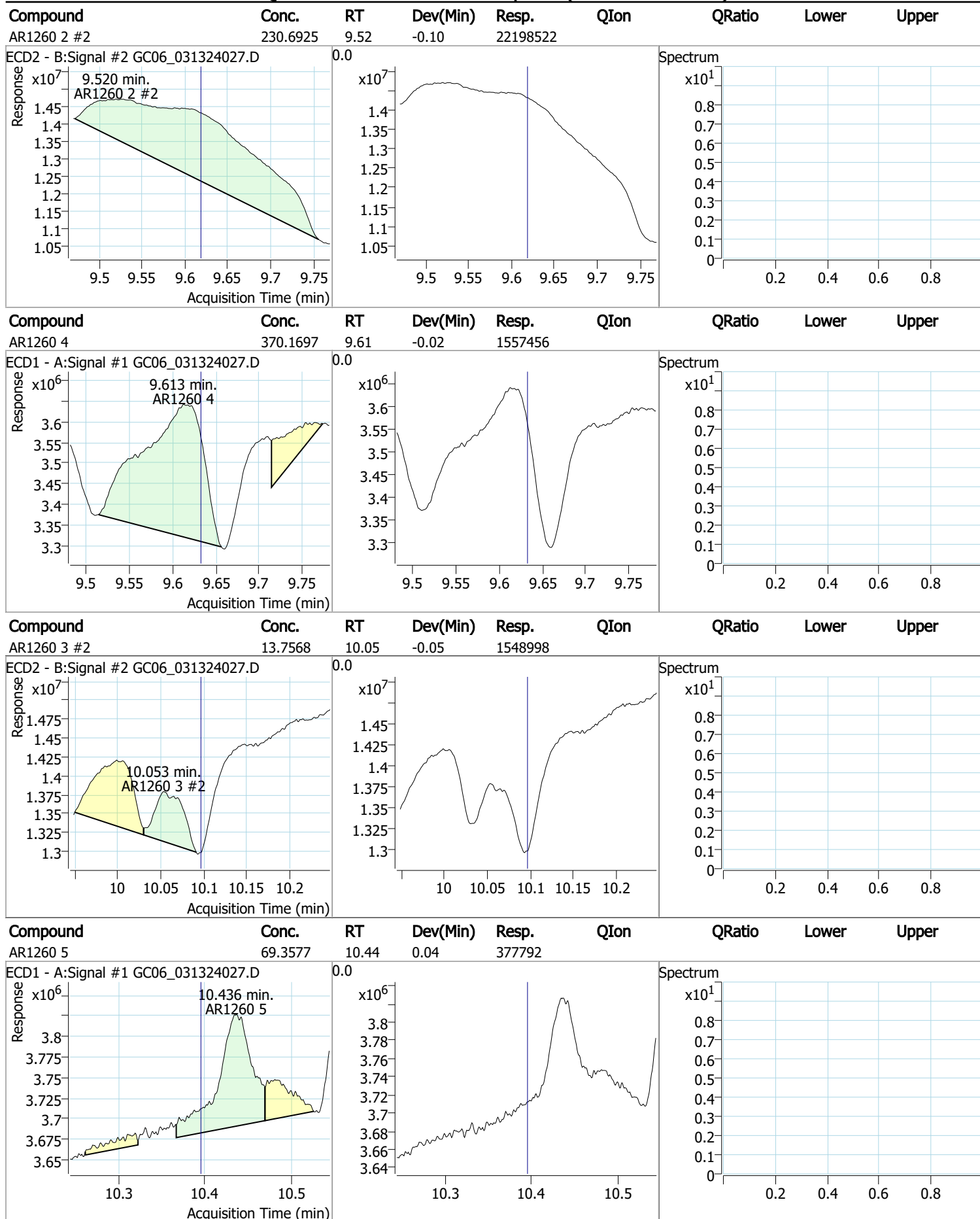
# Quantitation Results Report (Not Reviewed)



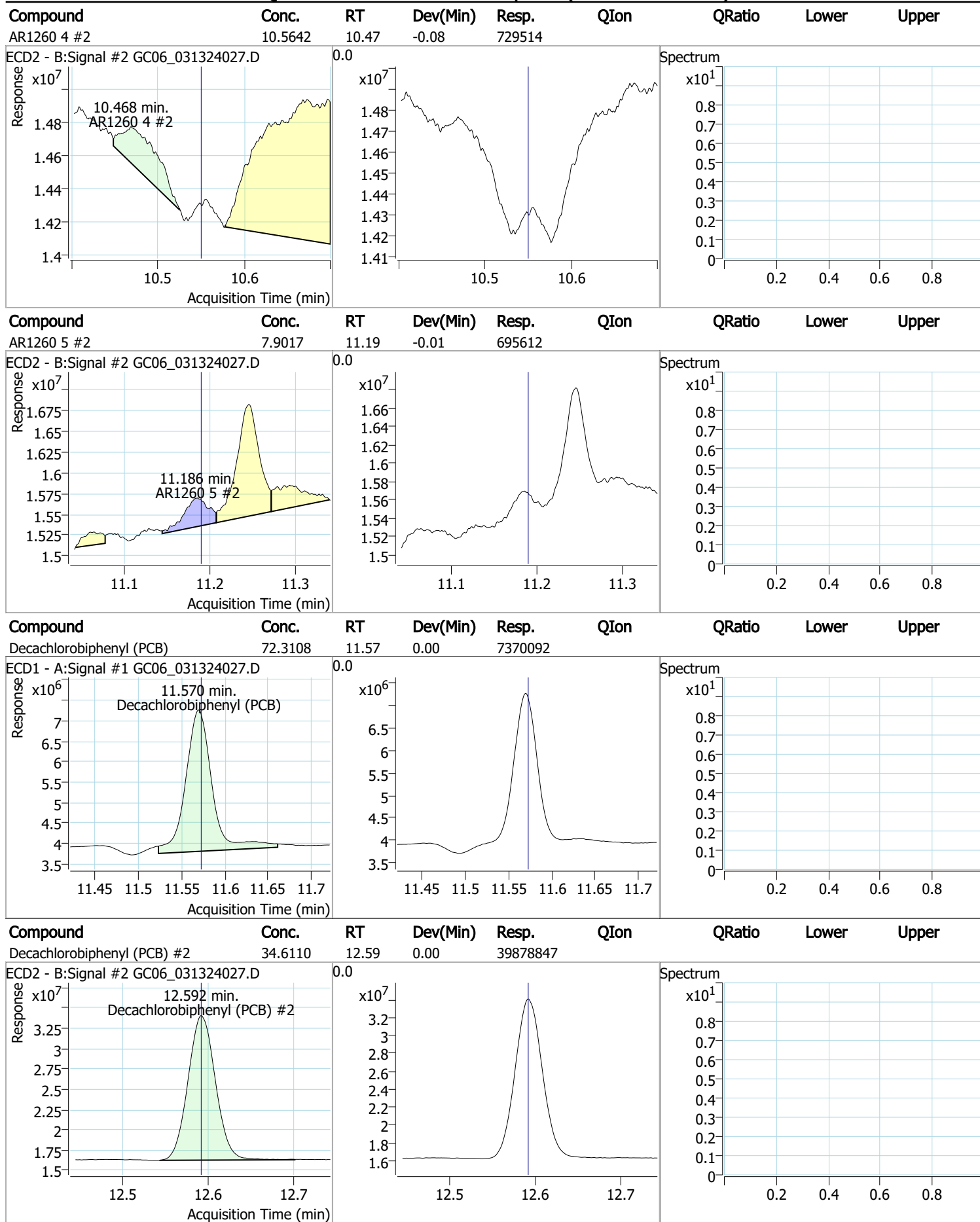
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-019   | Client ID: ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA |
| Seqnum: 454104162050 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_031224050 | Batch: 335088        | Time: 12-MAR-2024 17:07                                  |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw   | Result            | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|-------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 138.2 | 1.4 <sup>FP</sup> | 0.20 | 149% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 128.0 | 1.28              | 0.54 | 81%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 95.26 | 0.95              | 0.40 | 82%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 306.5 | 3.06              | 0.05 | 194% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 0     | ND                | 0.01 |      |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 161.3 | 1.61              | 0.01 | 198% |      |       |       |
| <b>Aroclor-1221</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | A  | 120.7 | 1.2 <sup>FP</sup> | 0.56 | 73%  | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 257.4 | 2.57              | 0.31 | 157% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 9.524 | 0.10              | 1.78 | 180% |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 0     | ND                | 0.23 |      |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 278.1 | 2.78              | 0.40 | 150% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 58.69 | 0.59              | 0.11 | 138% |      |       |       |
| <b>Aroclor-1262</b>   | A  |       | ND                |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 51.91 | 0.5000 | 0.5191 | 104  | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 43.26 | 0.5000 | 0.4326 | 87   | 19-121 | c- u  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 30040137     | -9.70  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 2078082      | -33.07 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

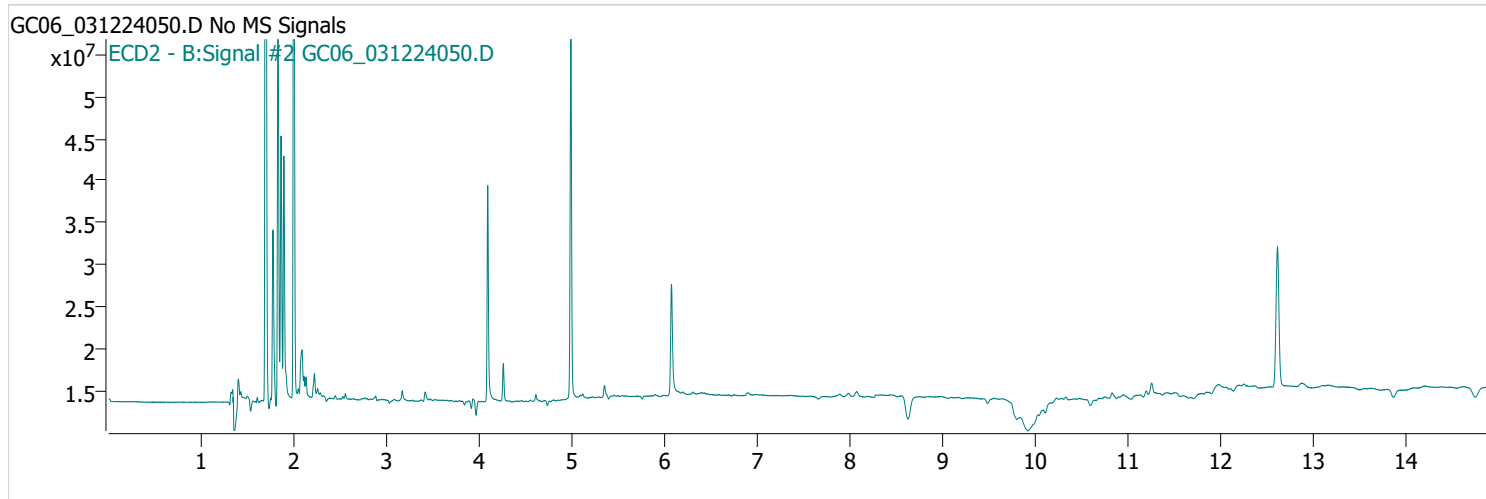
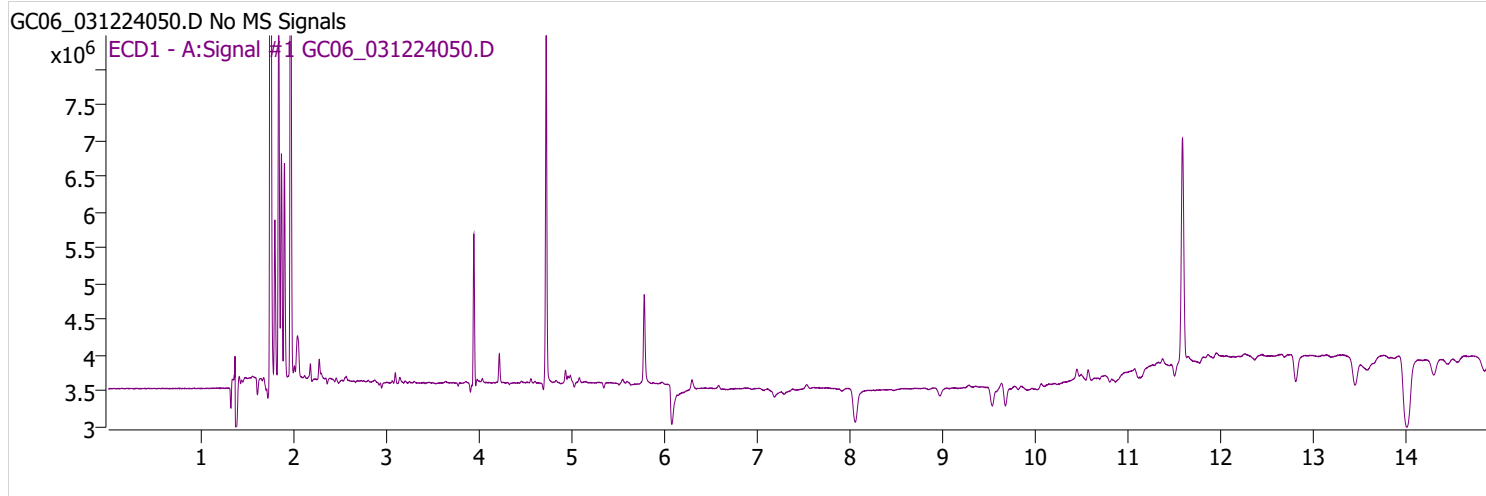
*-=low bias c=CCV u=use x=false positive*

**Analyst:** MES 03/13/24

**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224050.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 5:07:20 PM |
| Sample Name    | 504073-019, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 19                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.944                | 0.0  | 2078081.79<br>1  | 20.0000            | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.094                | 0.0  | 30040137.2<br>39 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.725                | 0.0  | 5323918.45<br>9  | 51.9131            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 259.57% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 47851251.6<br>68 | 34.6359            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 173.18% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.596               | 0.0  | 5920232.07<br>5  | 43.2600            | ng/ml | m 0.005  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 216.30% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.623               | 0.0  | 37172305.1<br>72 | 29.7363            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 148.68% |       |          |

## Target Compounds

GC06\_031224050.D



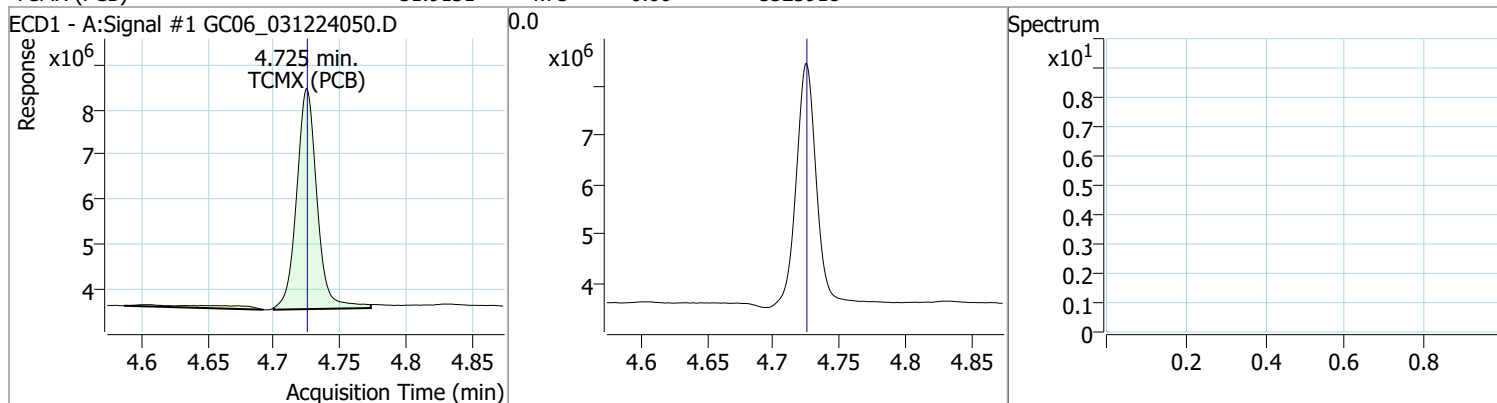
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units | Dev(Min) |
|---------------|--------|------|------------------|----------|-------|----------|
| T AR1016 1    | 5.083  | 0.0  | 291419.515       | 127.9574 | ng/ml | 100      |
| T AR1016 2    | 5.407  | 0.0  | 419456.355       | 95.2577  | ng/ml | 100      |
| T AR1016 1 #2 | 5.456  | 0.0  | 1618650.66<br>3  | 54.2285  | ng/ml | 100      |
| T AR1016 3    | 5.783  | 0.0  | 1718507.53<br>1  | 306.4849 | ng/ml | 100      |
| T AR1016 2 #2 | 5.901  | 0.0  | 2429306.49<br>5  | 39.9832  | ng/ml | 100      |
| T AR1016 4    | 0.000  |      | 0                | N.D.     |       |          |
| T AR1016 3 #2 | 6.310  | 0.0  | 395443.857       | 4.7198   | ng/ml | 100      |
| T AR1016 5    | 6.299  | 0.0  | 495928.584       | 161.2879 | ng/ml | 100      |
| T AR1016 4 #2 | 6.510  | 0.0  | 50405.458        | 0.9252   | ng/ml | 100      |
| T AR1016 5 #2 | 7.072  | 0.0  | 42025.835        | 0.9471   | ng/ml | 100      |
| T AR1260 1    | 7.988  | 0.0  | 1667321.15<br>8  | 257.3594 | ng/ml | 100      |
| T AR1260 2    | 8.567  | 0.0  | 93483.568        | 9.5239   | ng/ml | 100      |
| T AR1260 3    | 0.000  |      | 0                | N.D.     |       |          |
| T AR1260 1 #2 | 9.298  | 0.0  | 2744376.57<br>8  | 31.2853  | ng/ml | 100      |
| T AR1260 2 #2 | 9.558  | 0.0  | 18544581.2<br>07 | 177.6330 | ng/ml | 100      |
| T AR1260 4    | 9.640  | 0.0  | 1571332.57<br>1  | 278.1447 | ng/ml | 100      |
| T AR1260 3 #2 | 10.095 | 0.0  | 2791761.11<br>4  | 22.8529  | ng/ml | 100      |
| T AR1260 5    | 10.456 | 0.0  | 429249.557       | 58.6907  | ng/ml | 100      |
| T AR1260 4 #2 | 10.482 | 0.0  | 2981043.43<br>9  | 39.7894  | ng/ml | 100      |
| T AR1260 5 #2 | 11.205 | 0.0  | 1033877.15<br>0  | 10.8248  | ng/ml | 100      |

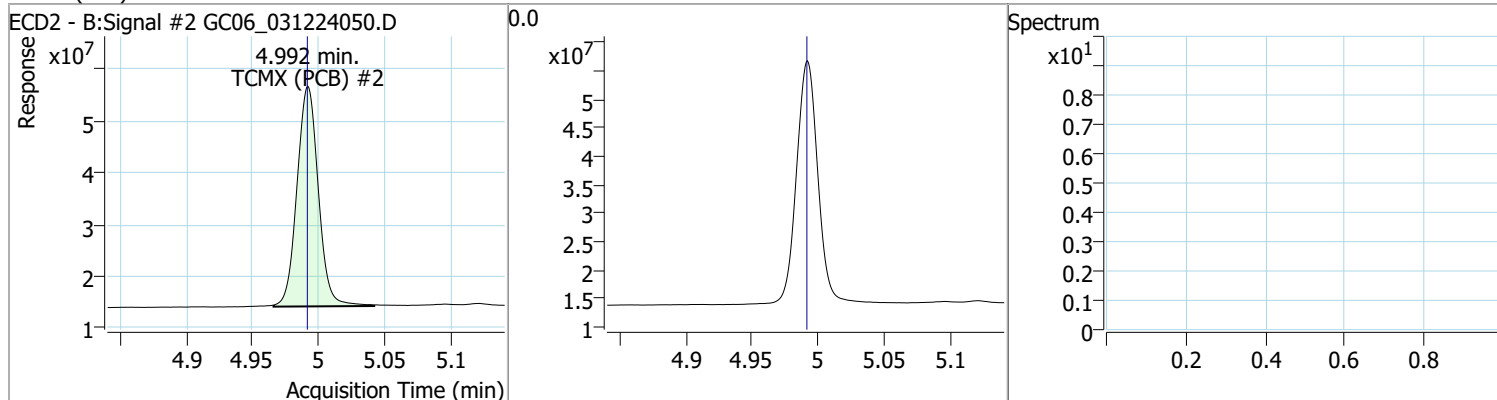
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

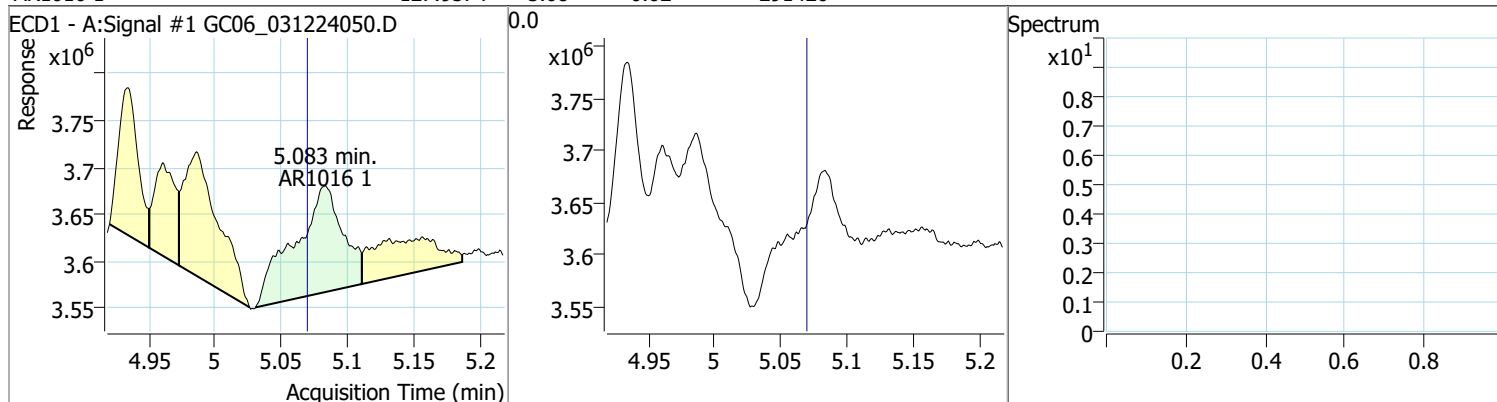
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 51.9131 | 4.73 | 0.00     | 5323918 |      |        |       |       |



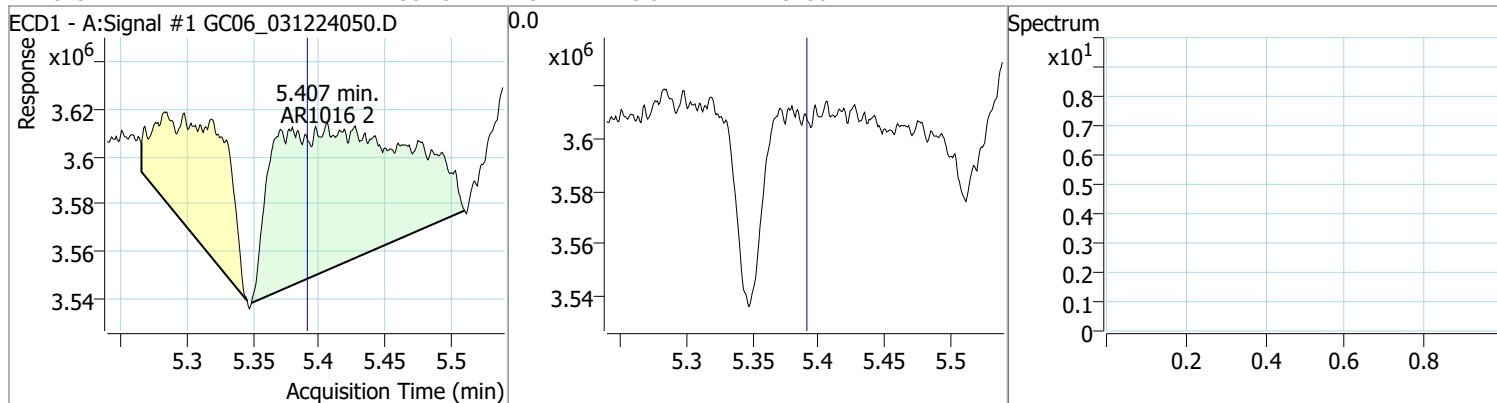
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 34.6359 | 4.99 | 0.00     | 47851252 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 127.9574 | 5.08 | 0.02     | 291420 |      |        |       |       |

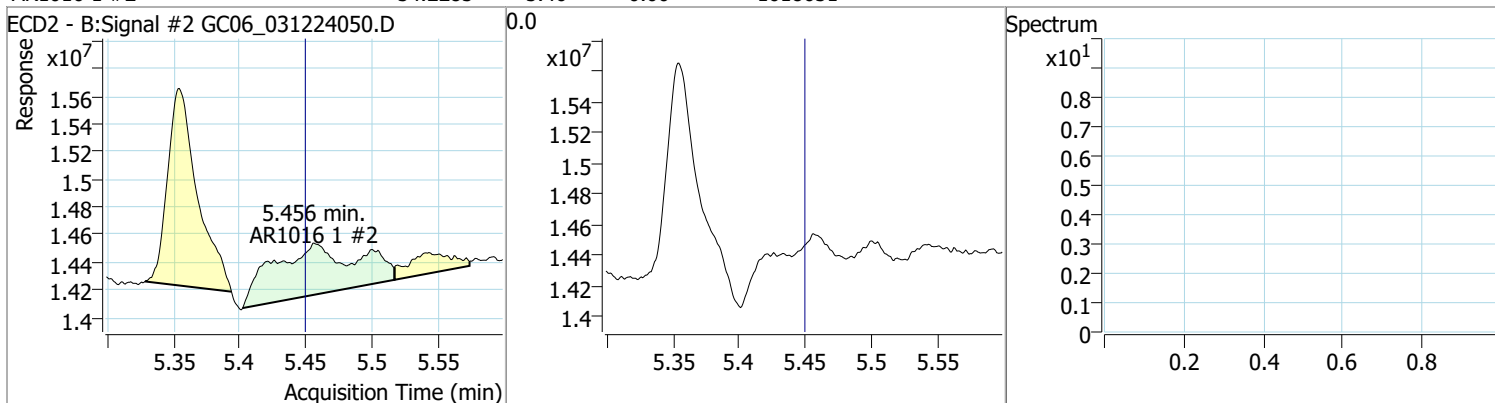


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 95.2577 | 5.41 | 0.02     | 419456 |      |        |       |       |

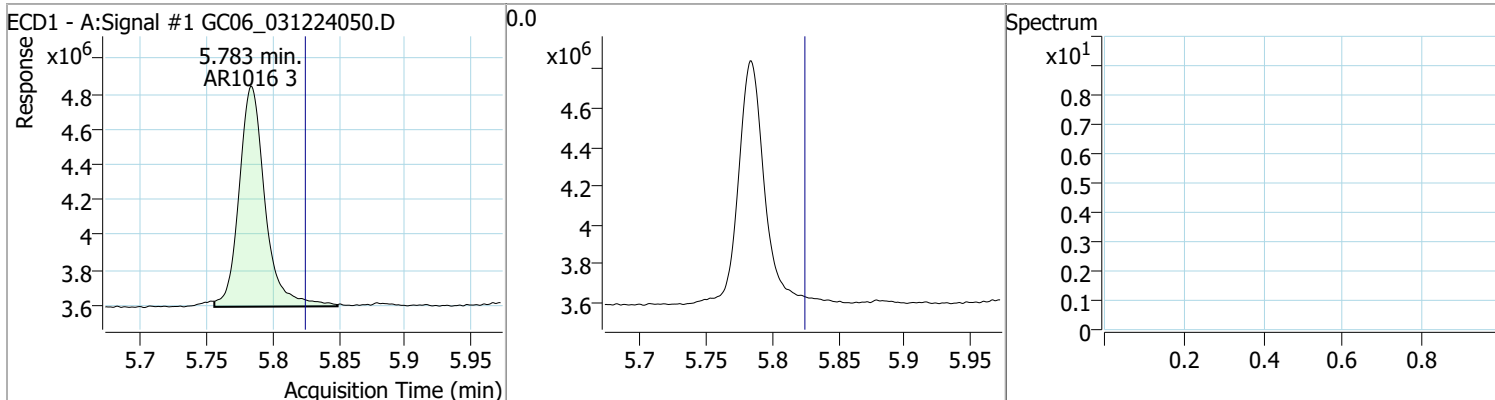


# Quantitation Results Report (Not Reviewed)

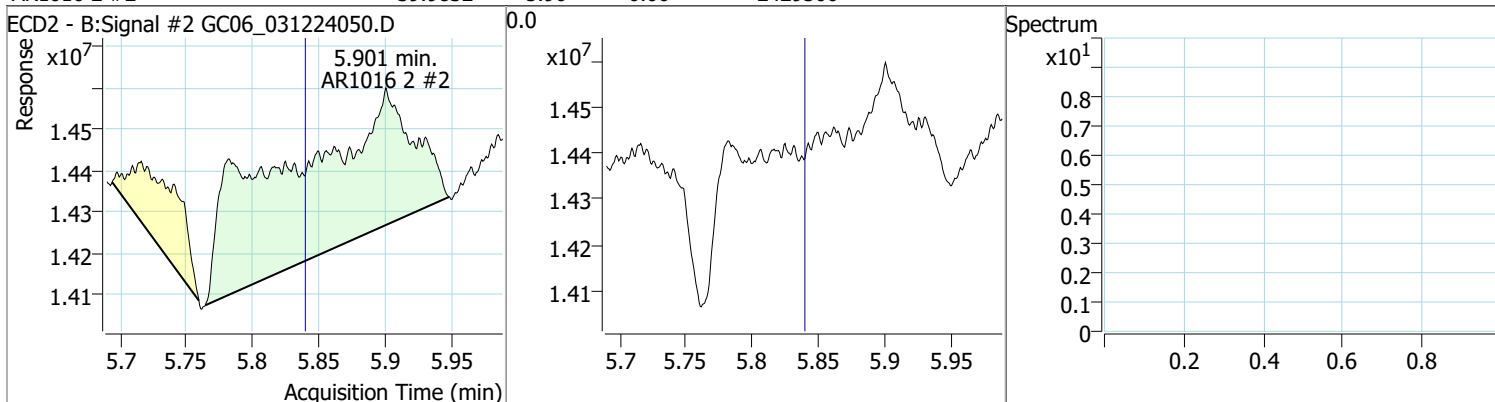
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 54.2285 | 5.46 | 0.00     | 1618651 |      |        |       |       |



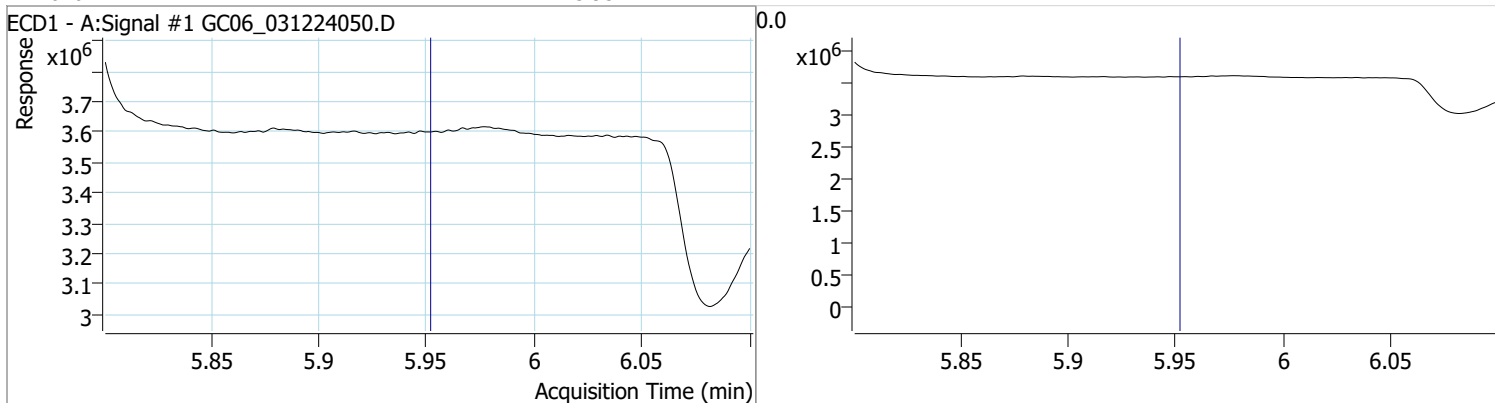
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 3 | 306.4849 | 5.78 | -0.04    | 1718508 |      |        |       |       |



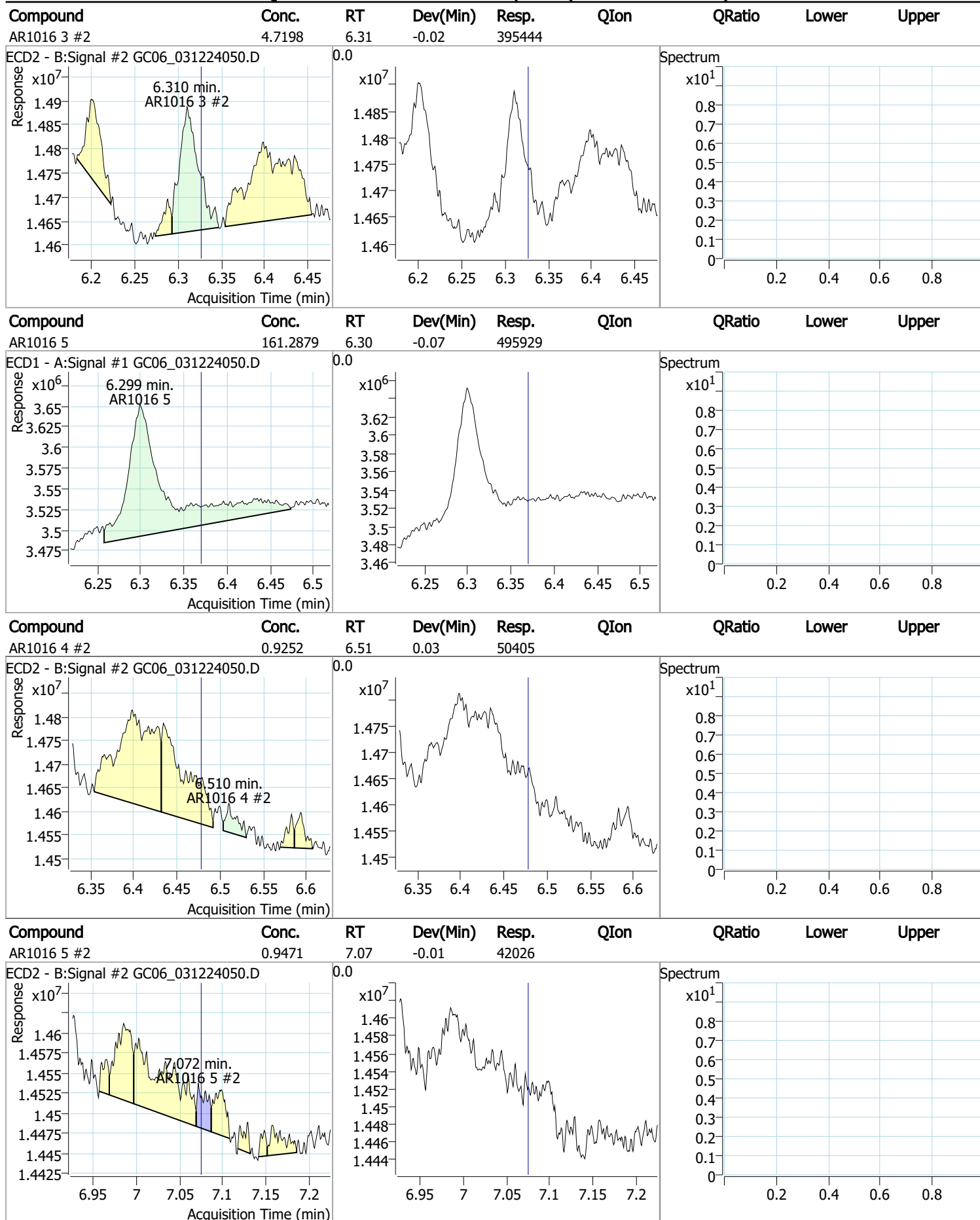
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 39.9832 | 5.90 | 0.06     | 2429306 |      |        |       |       |



| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| AR1016 4 | N.D.  | 5.95   |      |           |

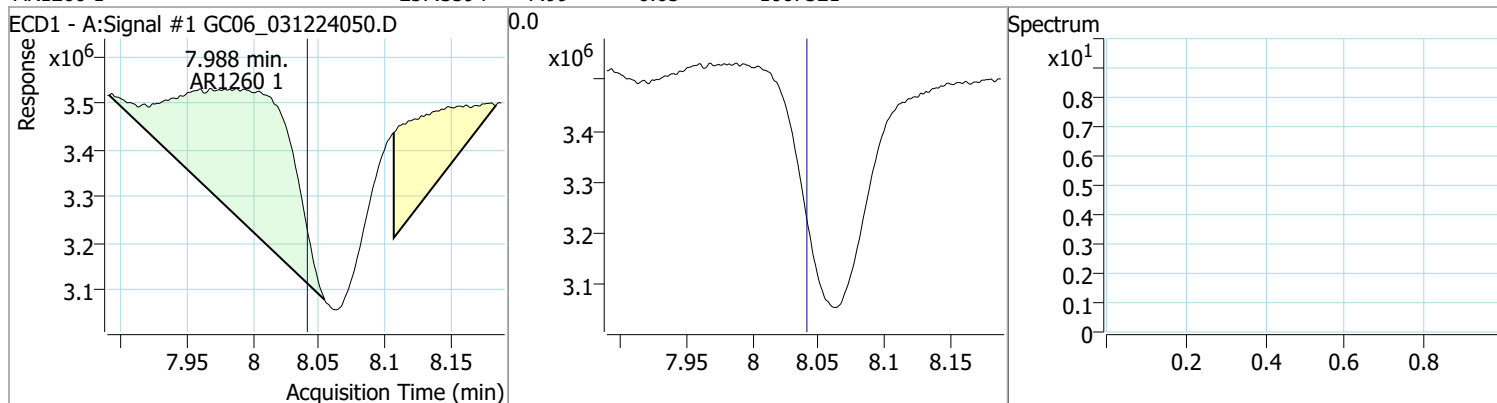


# Quantitation Results Report (Not Reviewed)

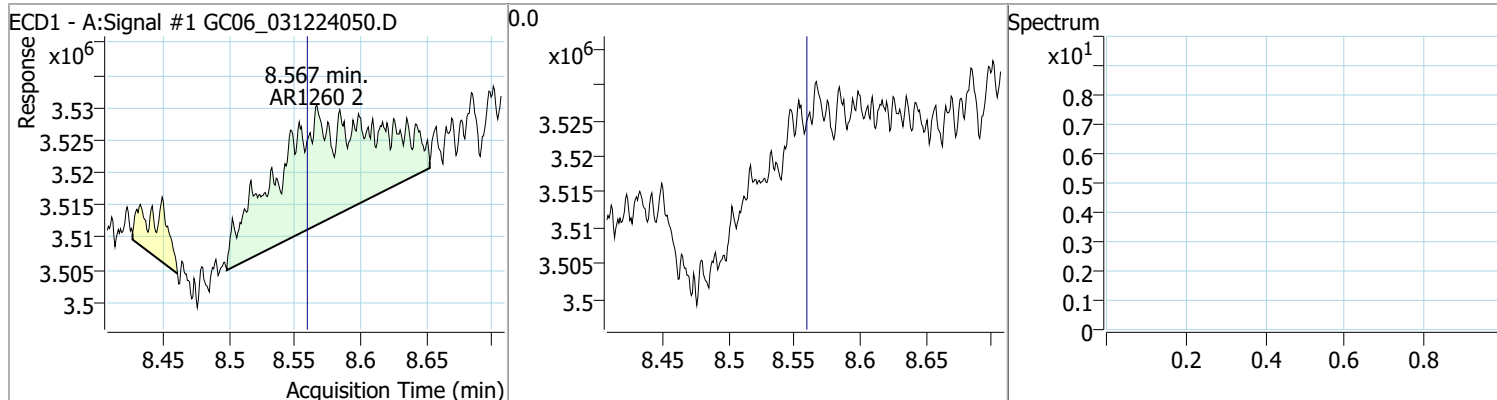


# Quantitation Results Report (Not Reviewed)

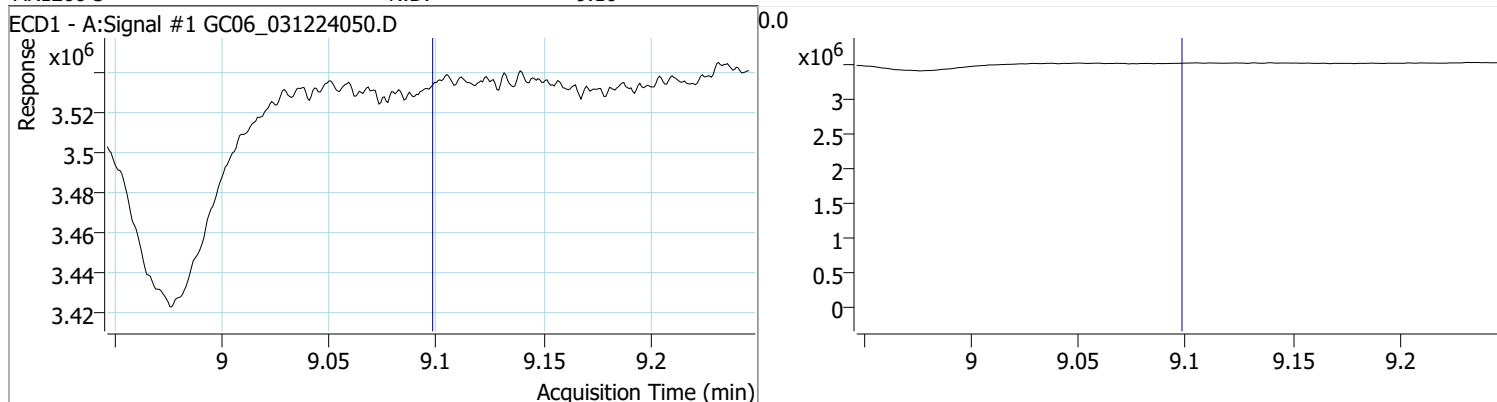
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 257.3594 | 7.99 | -0.05    | 1667321 |      |        |       |       |



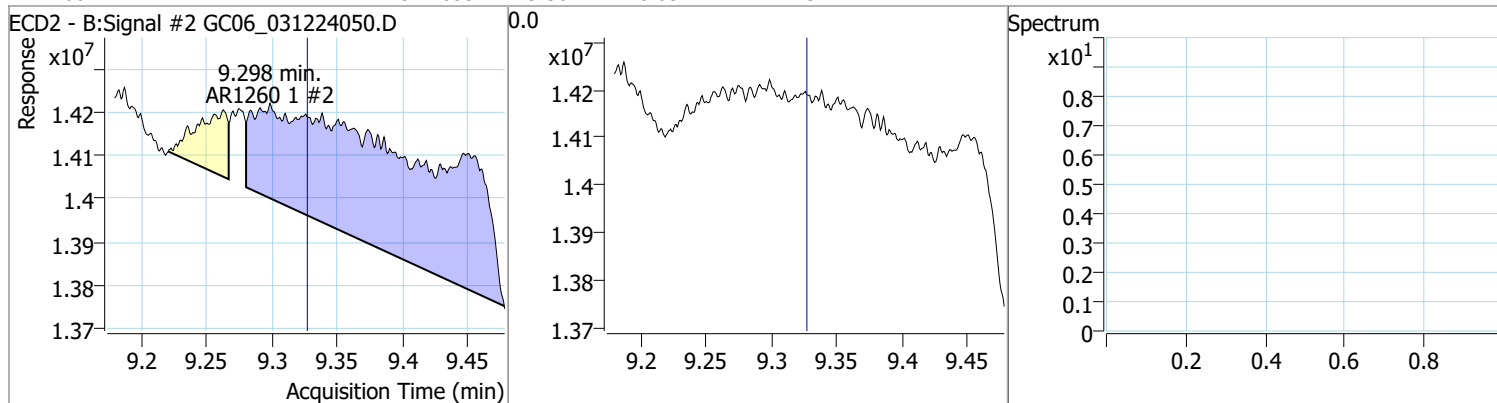
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 9.5239 | 8.57 | 0.01     | 93484 |      |        |       |       |



| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| AR1260 3 | N.D.  | 9.10   |      |           |

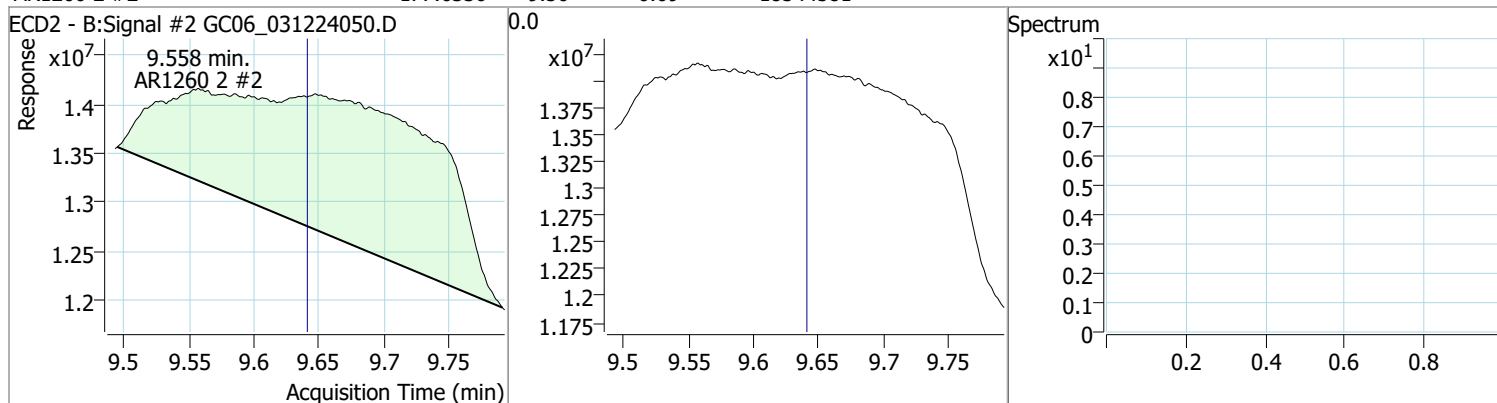


| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 #2 | 31.2853 | 9.30 | -0.03    | 2744377 |      |        |       |       |

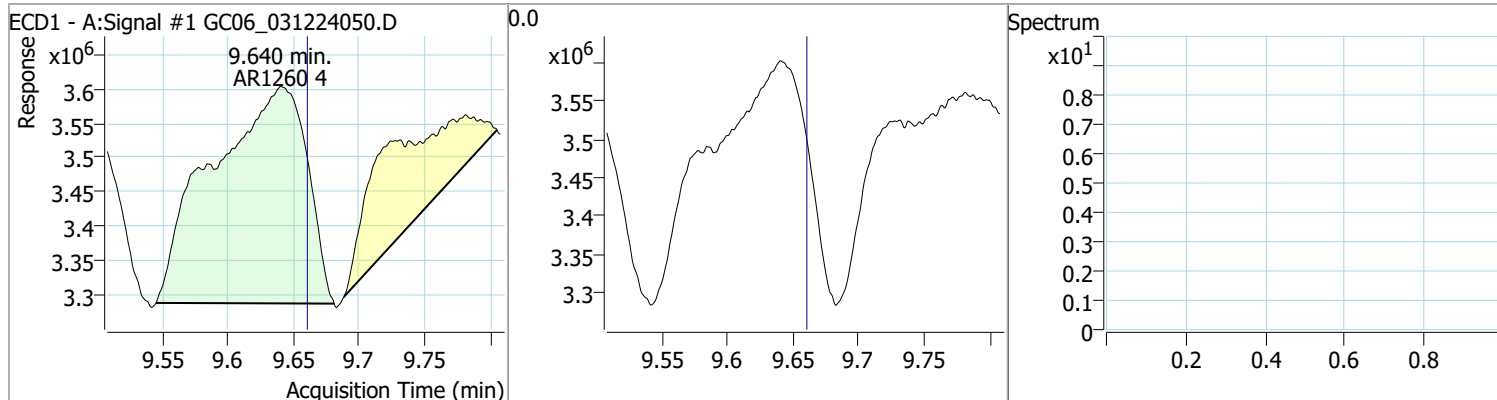


# Quantitation Results Report (Not Reviewed)

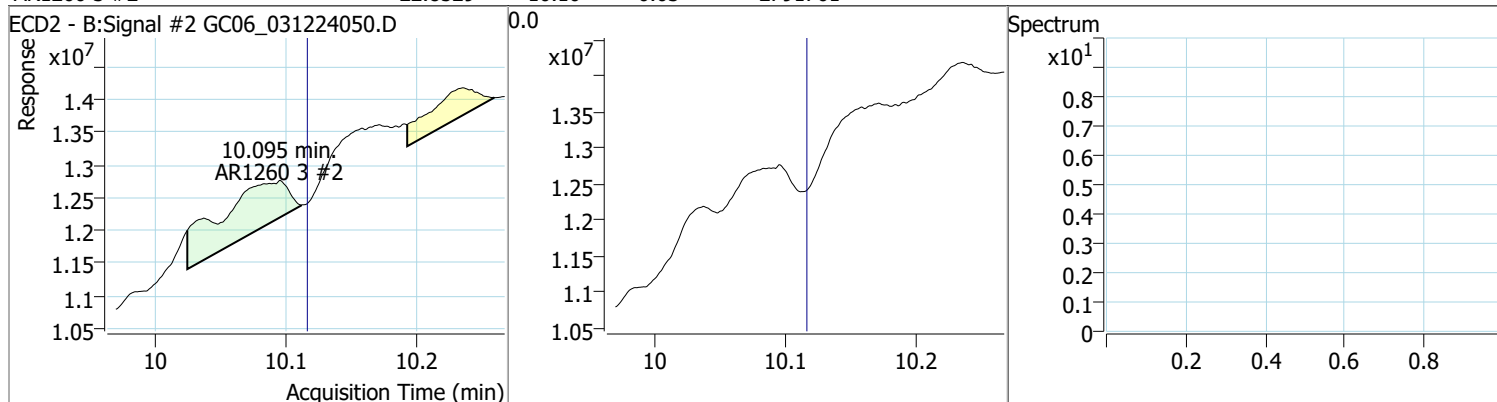
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 #2 | 177.6330 | 9.56 | -0.09    | 18544581 |      |        |       |       |



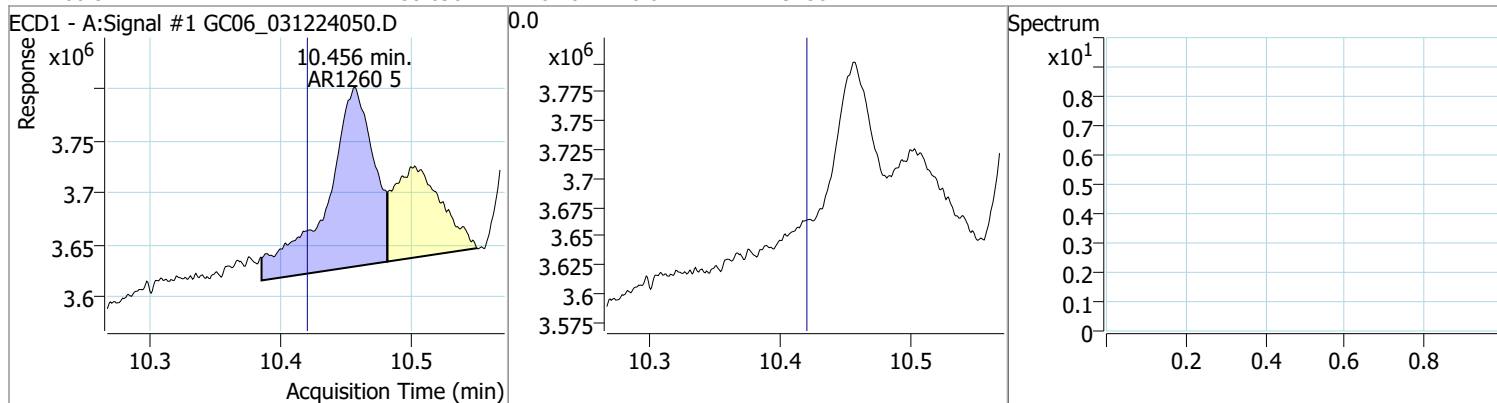
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 278.1447 | 9.64 | -0.02    | 1571333 |      |        |       |       |



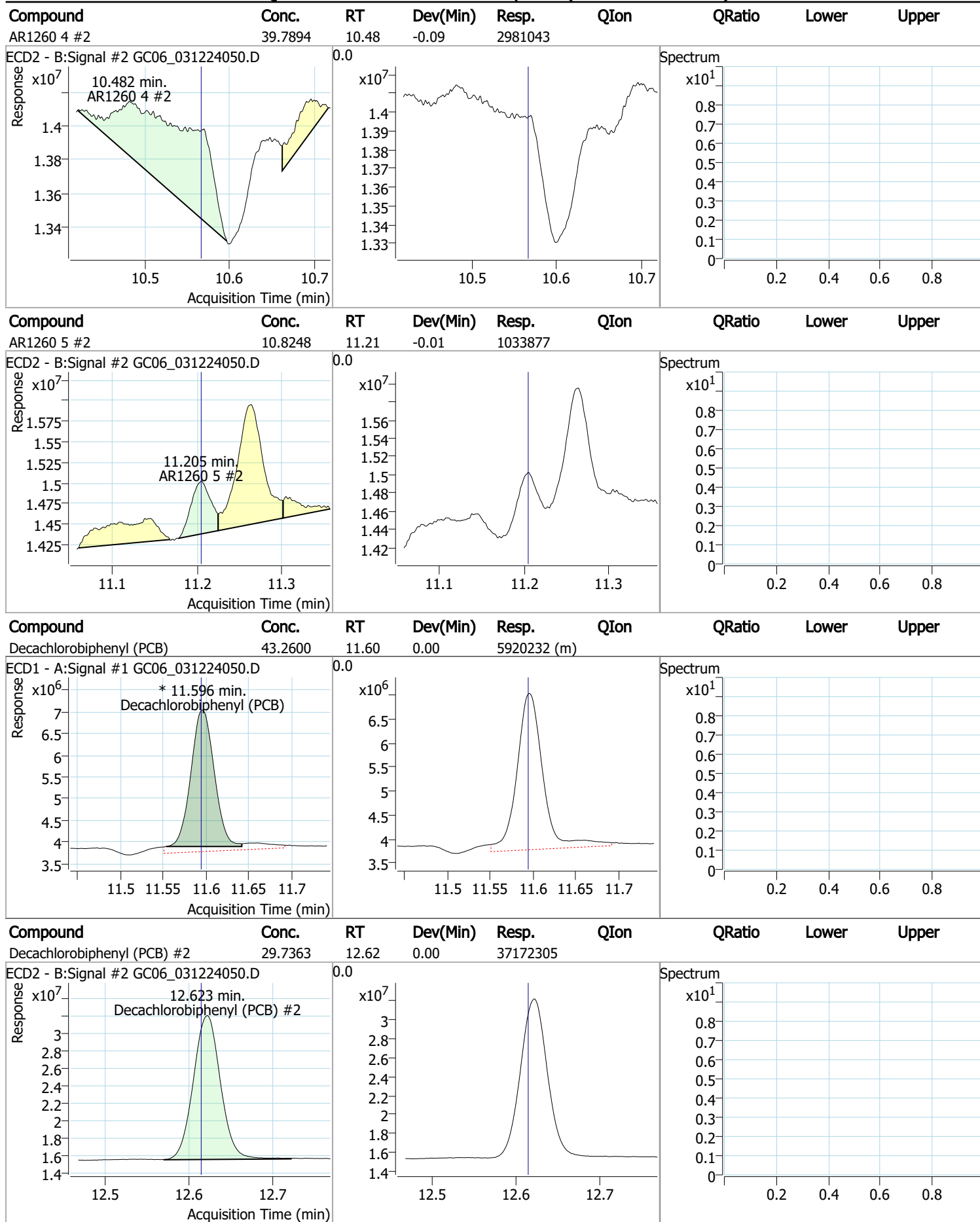
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 22.8529 | 10.10 | -0.03    | 2791761 |      |        |       |       |



| Compound | Conc.   | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 58.6907 | 10.46 | 0.04     | 429250 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)





ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-021   | Client ID: ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA |
| Seqnum: 454104162051 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_031224051 | Batch: 335088        | Time: 12-MAR-2024 17:26                                  |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw    | Result            | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|-------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 333.7  | 3.3 <sup>FP</sup> | 0.28 | 169% | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 150.6  | 1.51              | 0.62 | 83%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 68.31  | 0.68              | 0.45 | 42%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 193.6  | 1.94              | 0.04 | 192% |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 1244   | 12.44             | 0.29 | 191% |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 11.86  | 0.12              | 0.02 | 136% |      |       |       |
| <b>Aroclor-1221</b>   | A  |        | ND                |      |      | 0.50 |       | U     |
| <b>Aroclor-1232</b>   | A  |        | ND                |      |      | 0.50 |       | U     |
| <b>Aroclor-1242</b>   | A  |        | ND                |      |      | 0.50 |       | U     |
| <b>Aroclor-1248</b>   | A  |        | ND                |      |      | 0.50 |       | U     |
| <b>Aroclor-1254</b>   | A  |        | ND                |      |      | 0.50 |       | U     |
| <b>Aroclor-1260</b>   | A  | 132.4  | 1.3 <sup>FP</sup> | 0.20 | 148% | 0.50 |       | X U   |
| Aroclor-1260 Peak # 1 | A  | 280.2  | 2.80              | 0.03 | 196% |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 0.5170 | 0.01              | ND   |      |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 0      | ND                | 0.36 |      |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 329.8  | 3.30              | 0.50 | 147% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 51.36  | 0.51              | 0.10 | 138% |      |       |       |
| <b>Aroclor-1262</b>   | A  |        | ND                |      |      | 0.50 |       | U     |
| <b>Aroclor-1268</b>   | A  |        | ND                |      |      | 0.50 |       | U     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 50.92 | 0.5000 | 0.5092 | 102  | 19-121 | C- U  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 46.35 | 0.5000 | 0.4635 | 93   | 19-121 | C- U  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 26727313     | -19.66 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 1703277      | -45.14 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

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

**Analyst:** MES 03/13/24

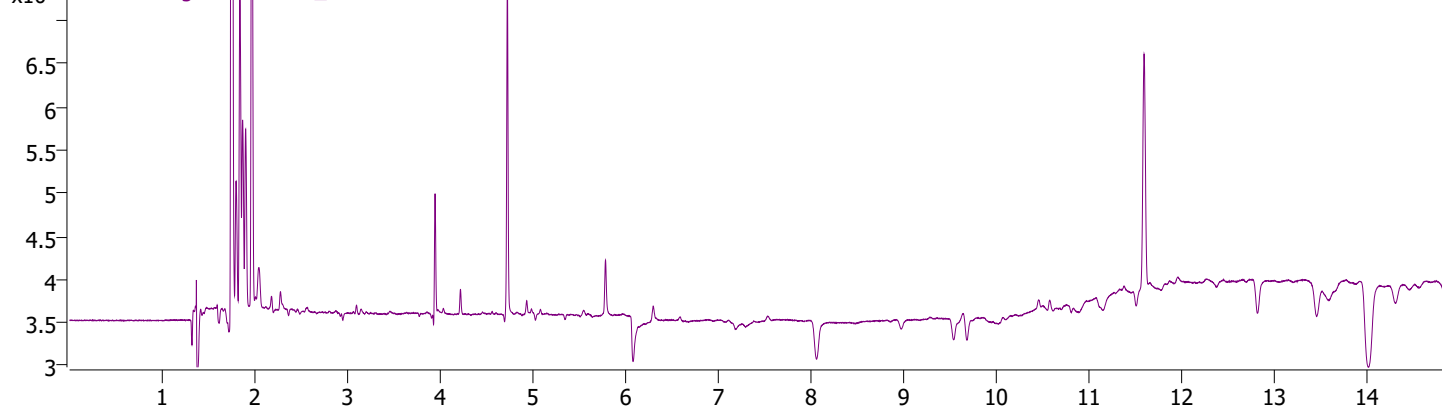
**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224051.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 5:26:53 PM |
| Sample Name    | 504073-021, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 20                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |

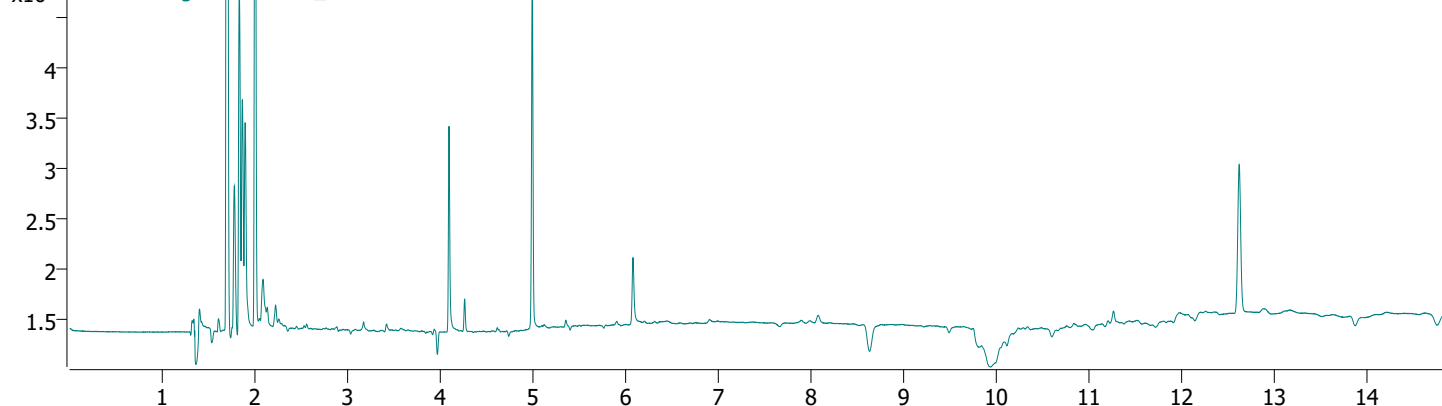
GC06\_031224051.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_031224051.D



GC06\_031224051.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_031224051.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 1703276.50<br>4  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.093                | 0.0  | 26727312.5<br>47 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 4279925.44<br>2  | 50.9166            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 254.58% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 39459536.7<br>50 | 32.1019            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 160.51% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.591               | 0.0  | 5199191.25<br>0  | 46.3512            | ng/ml | m 0.000  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 231.76% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.617               | 0.0  | 33529622.9<br>70 | 30.1469            | ng/ml | -0.005   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 150.73% | *     |          |

## Target Compounds

QValue

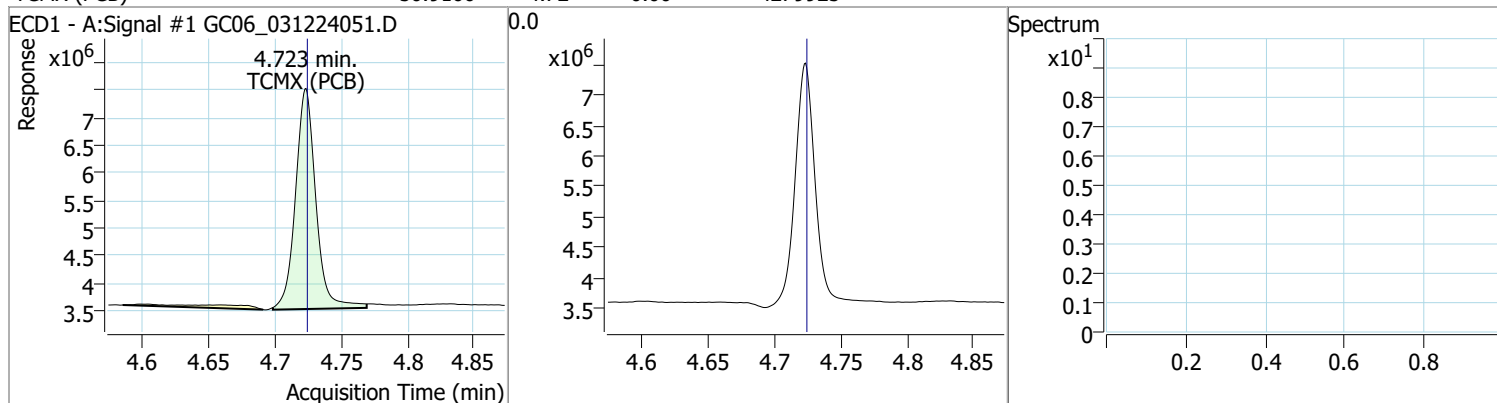
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.           | Conc.     | Units | Dev(Min) |
|---------------|--------|------|-----------------|-----------|-------|----------|
| T AR1016 1    | 5.079  | 0.0  | 281094.651      | 150.5833  | ng/ml | 100      |
| T AR1016 2    | 5.406  | 0.0  | 246549.924      | 68.3118   | ng/ml | 100      |
| T AR1016 1 #2 | 5.500  | 0.0  | 1658518.34<br>4 | 62.4513   | ng/ml | 100      |
| T AR1016 3    | 5.782  | 0.0  | 889984.119      | 193.6500  | ng/ml | 100      |
| T AR1016 2 #2 | 5.904  | 0.0  | 2406484.15<br>4 | 44.5169   | ng/ml | 100      |
| T AR1016 4    | 5.967  | 0.0  | 3422421.99<br>0 | 1244.2150 | ng/ml | 100      |
| T AR1016 3 #2 | 6.313  | 0.0  | 280437.900      | 3.7621    | ng/ml | 100      |
| T AR1016 5    | 6.362  | 0.0  | 29898.771       | 11.8635   | ng/ml | 100      |
| T AR1016 4 #2 | 6.446  | 0.0  | 1392080.94<br>4 | 28.7176   | ng/ml | 100      |
| T AR1016 5 #2 | 7.082  | 0.0  | 88813.031       | 2.2496    | ng/ml | 100      |
| T AR1260 1    | 7.974  | 0.0  | 1487725.79<br>0 | 280.1697  | ng/ml | 100      |
| T AR1260 2    | 8.518  | 0.0  | 4159.483        | 0.5170    | ng/ml | 100      |
| T AR1260 3    | 0.000  | 0.0  | 0               | N.D.      |       |          |
| T AR1260 1 #2 | 9.323  | 0.0  | 198771.331      | 2.5468    | ng/ml | 100      |
| T AR1260 2 #2 | 0.000  | 0.0  | 0               | N.D.      |       |          |
| T AR1260 4    | 9.634  | 0.0  | 1527038.70<br>9 | 329.7845  | ng/ml | 100      |
| T AR1260 3 #2 | 10.080 | 0.0  | 3896706.64<br>9 | 35.8515   | ng/ml | 100      |
| T AR1260 5    | 10.454 | 0.0  | 307881.717      | 51.3595   | ng/ml | 100      |
| T AR1260 4 #2 | 10.482 | 0.0  | 3329144.59<br>1 | 49.9434   | ng/ml | 100      |
| T AR1260 5 #2 | 11.203 | 0.0  | 807306.182      | 9.5002    | ng/ml | 100      |

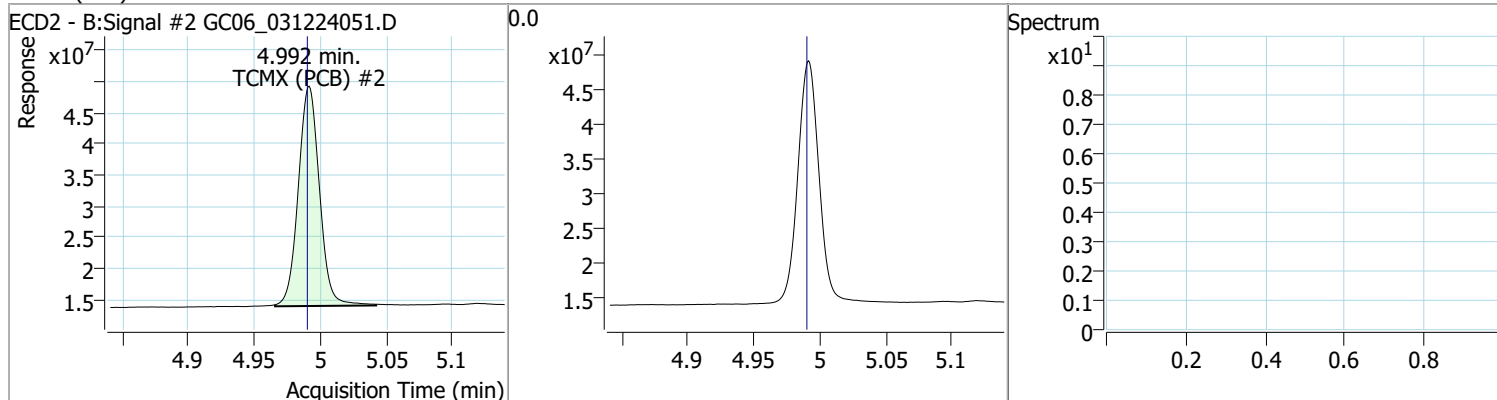
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

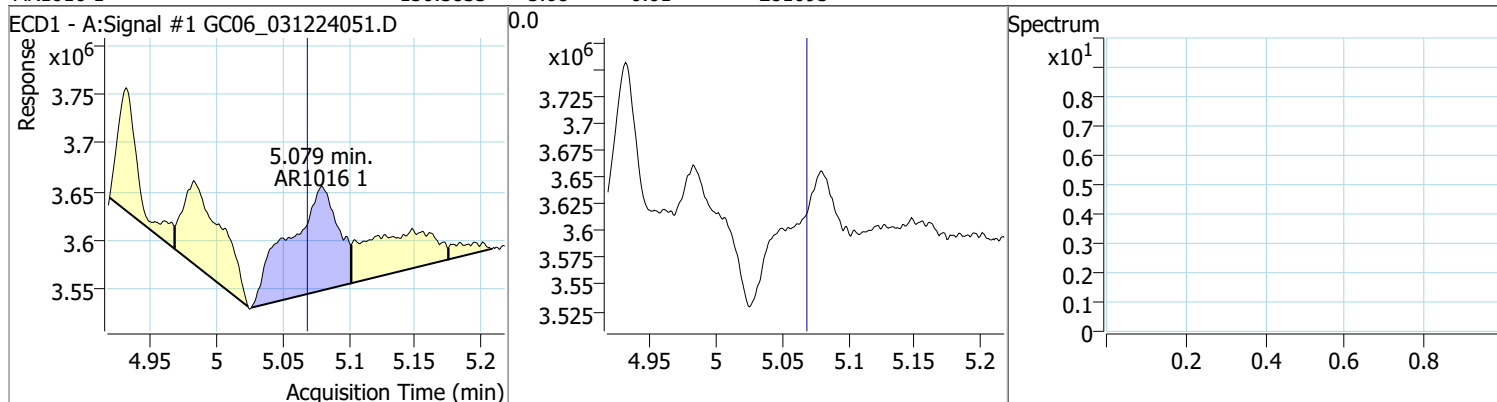
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 50.9166 | 4.72 | 0.00     | 4279925 |      |        |       |       |



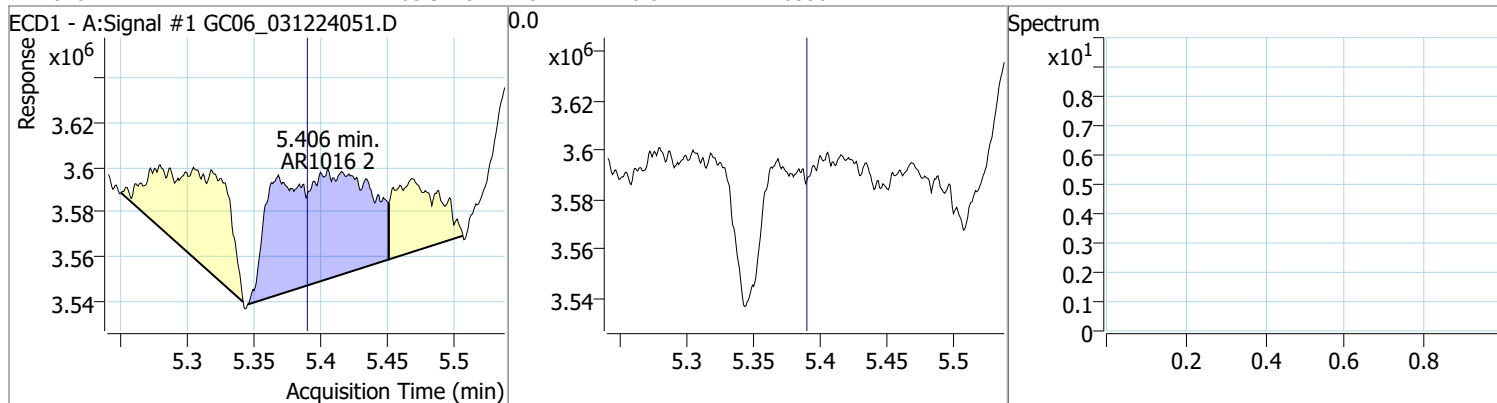
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 32.1019 | 4.99 | 0.00     | 39459537 |      |        |       |       |



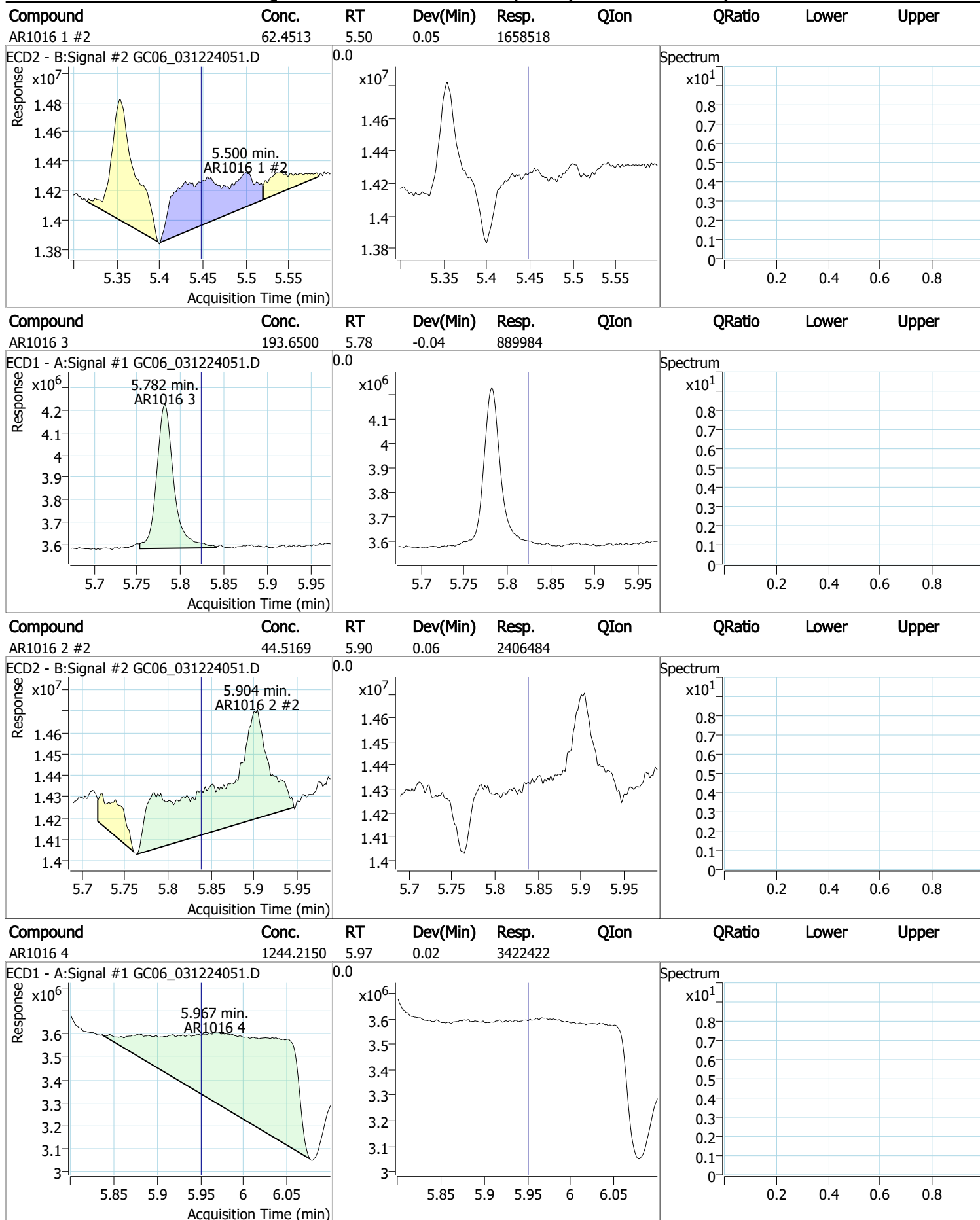
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 150.5833 | 5.08 | 0.01     | 281095 |      |        |       |       |



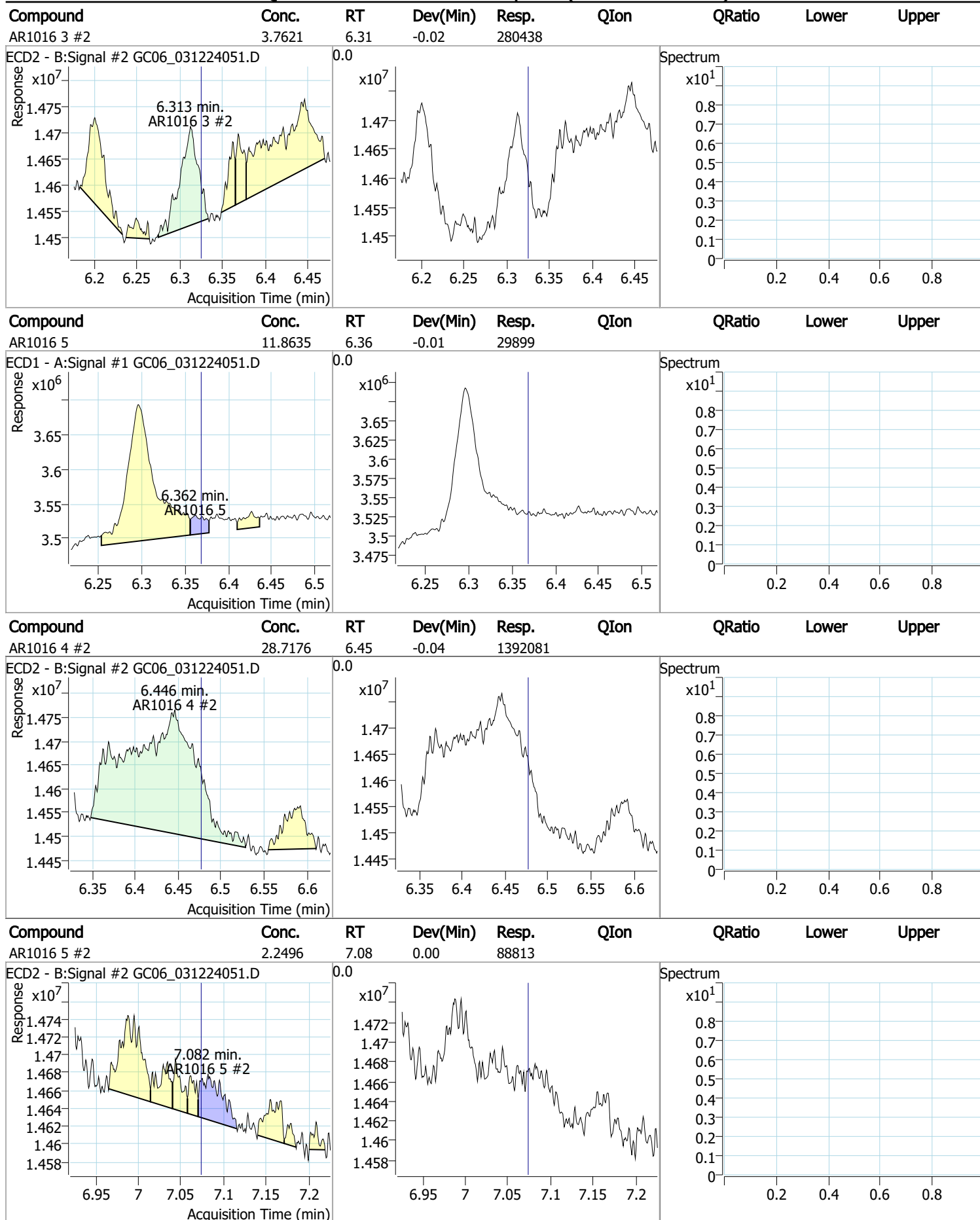
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 68.3118 | 5.41 | 0.02     | 246550 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

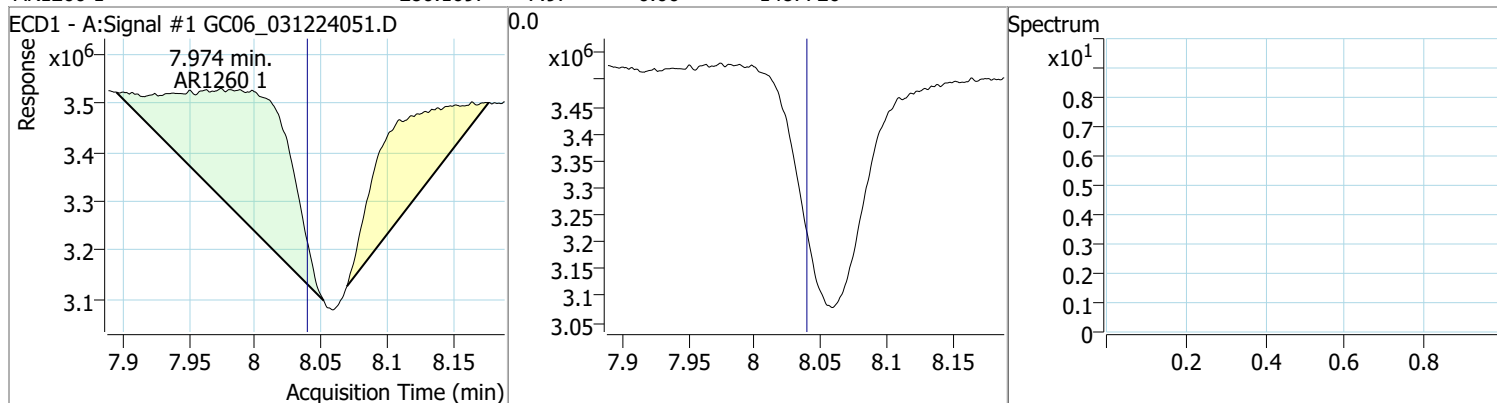




# Quantitation Results Report (Not Reviewed)

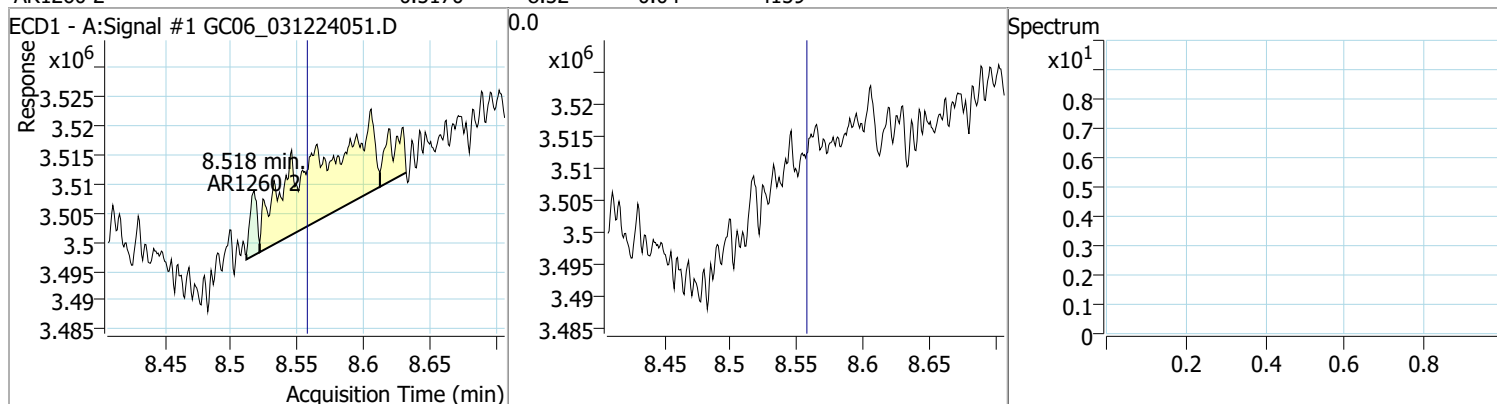
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 1 280.1697 7.97 -0.06 1487726



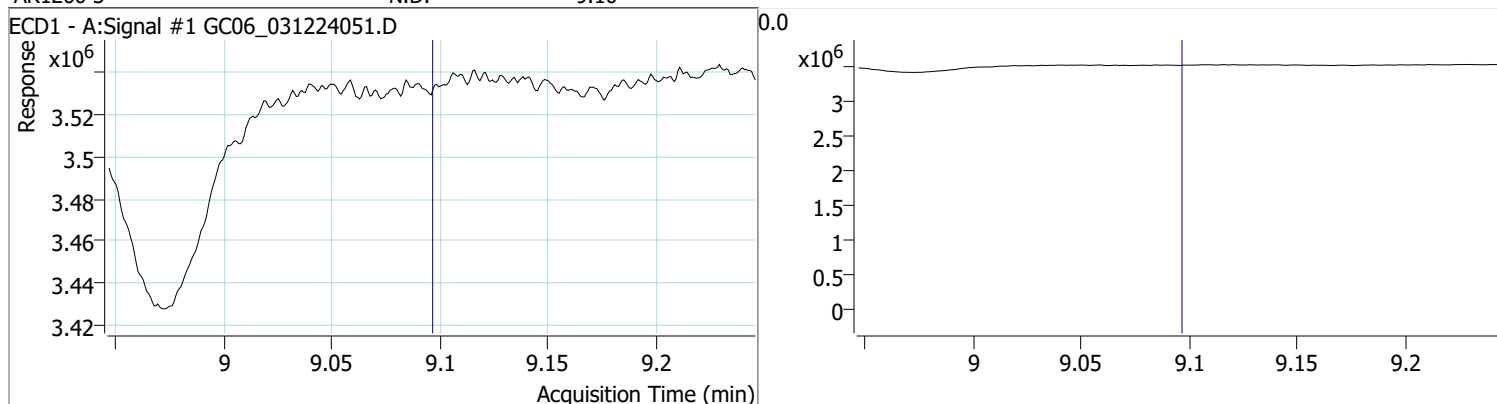
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 2 0.5170 8.52 -0.04 4159



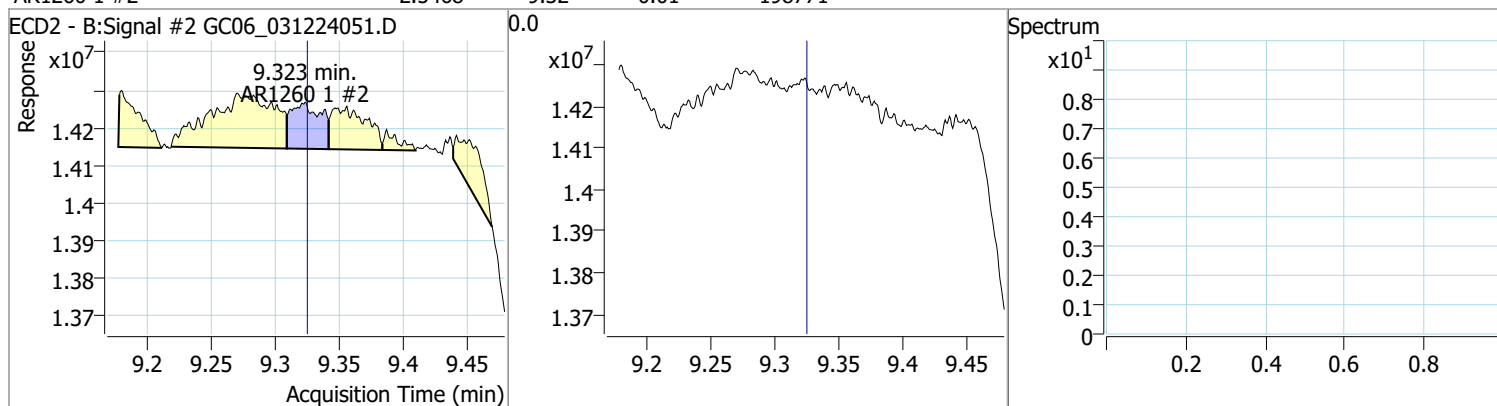
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
|----------|-------|--------|------|-----------|

AR1260 3 N.D. 9.10

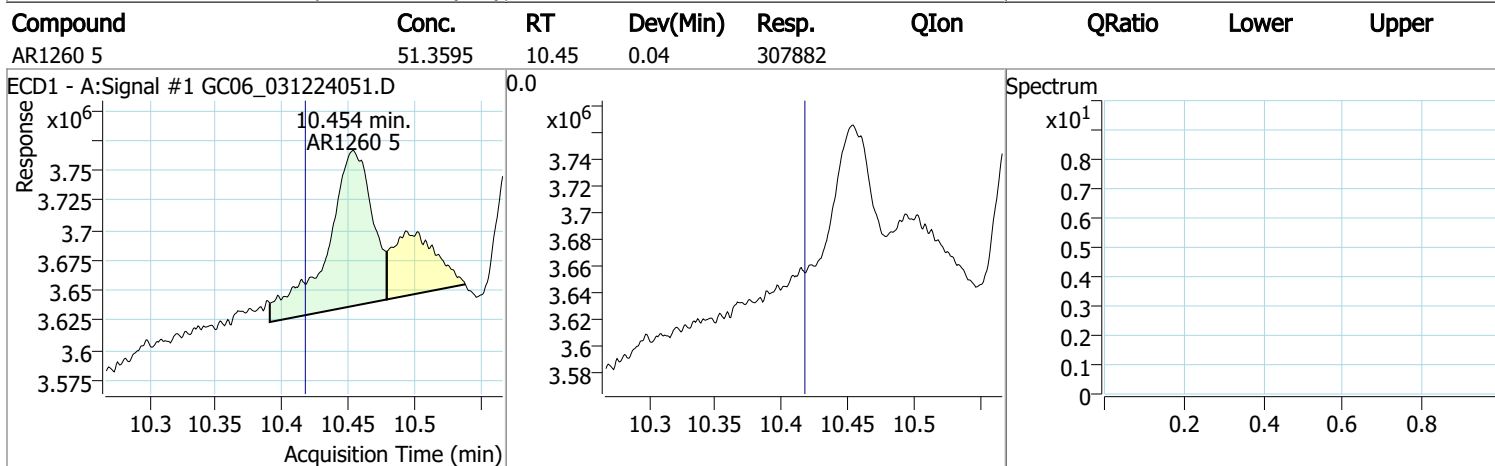
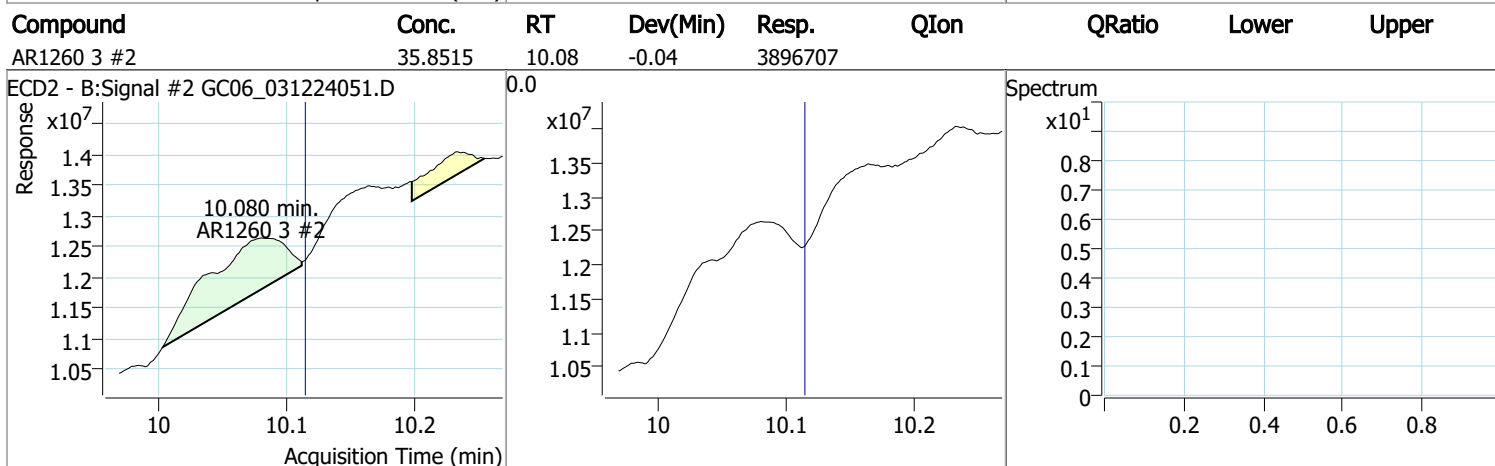
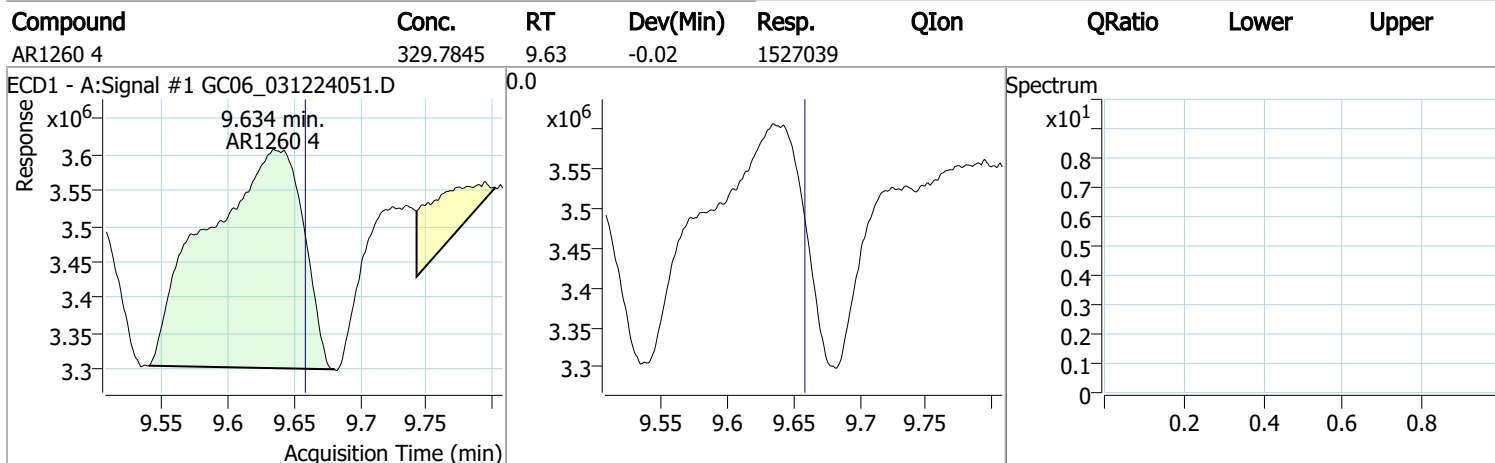
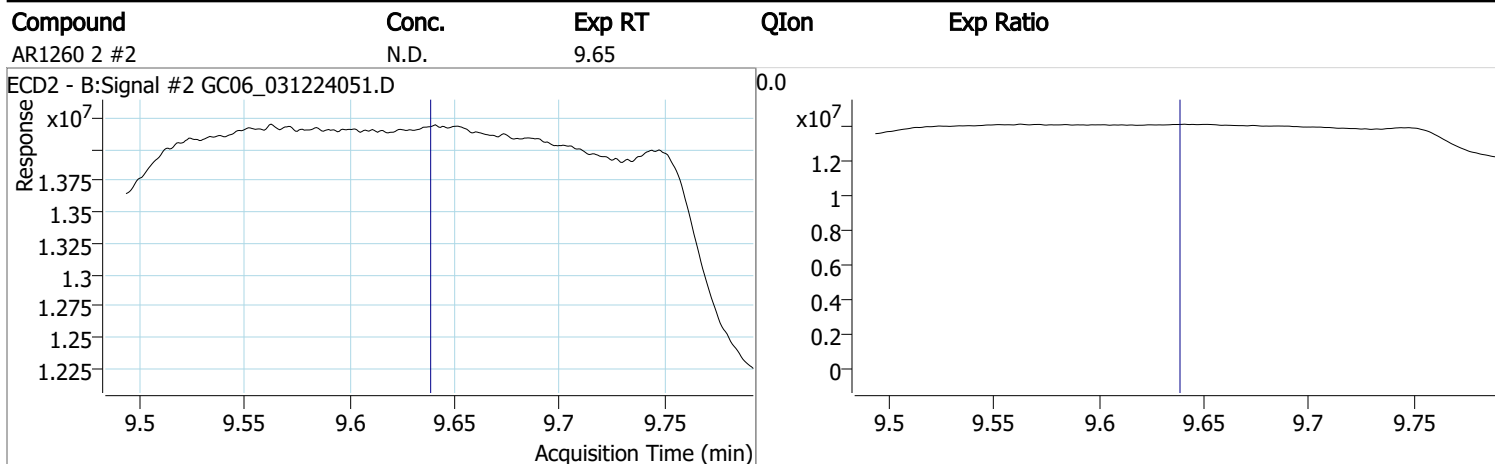


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

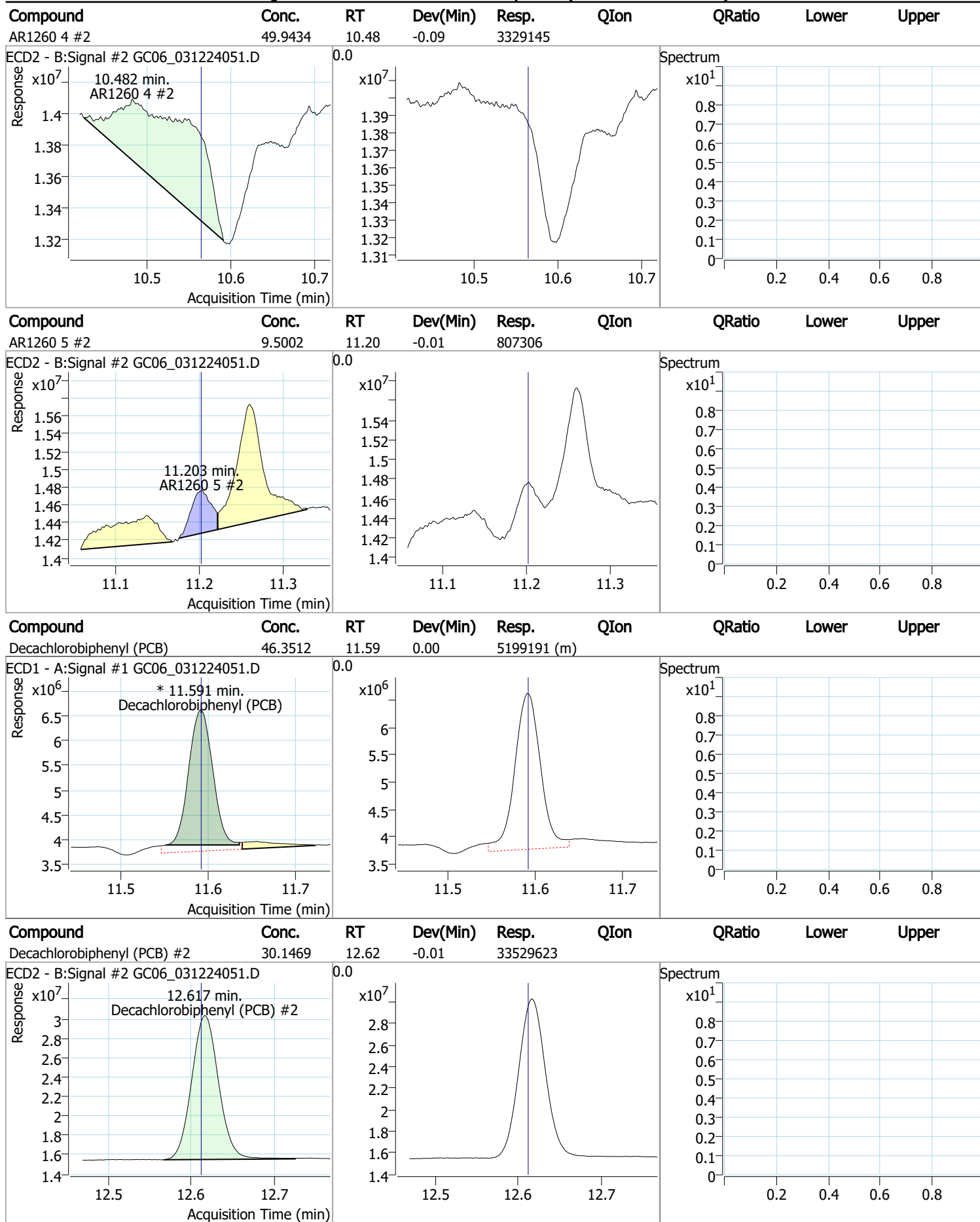
AR1260 1 #2 2.5468 9.32 -0.01 198771



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                    |
|----------------------|----------------------|------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 504073-023   | Client ID: 240308-P-FIELDBLANK1-LO |
| Seqnum: 454104162052 | Matrix: Wipe         | Acct: RINCON-BERK (JG)             |
| File: gc06_031224052 | Batch: 335088        | Time: 12-MAR-2024 17:46            |
| Cal: 454097020001    | Caldate: 07-MAR-2024 |                                    |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                      |

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

| Analyte               | Ch | Raw    | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | A  | 82.69  | 0.83 <sup>FP</sup> | 0.60 | 32%  | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | A  | 63.04  | 0.63               | 0.24 | 90%  |      |       |       |
| Aroclor-1016 Peak # 2 | A  | 10.34  | 0.10               | 0.09 | 14%  |      |       |       |
| Aroclor-1016 Peak # 3 | A  | 178.5  | 1.78               | 1.60 | 11%  |      |       |       |
| Aroclor-1016 Peak # 4 | A  | 62.56  | 0.63               | 0.97 | 43%  |      |       |       |
| Aroclor-1016 Peak # 5 | A  | 99.03  | 0.99               | 0.11 | 159% |      |       |       |
| <b>Aroclor-1221</b>   | A  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1232</b>   | A  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1242</b>   | A  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1248</b>   | A  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1254</b>   | A  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1260</b>   | A  | 9.300  | ND                 | 0.18 | 62%  | 0.50 |       | U     |
| Aroclor-1260 Peak # 1 | A  | 3.007  | 0.03               | 0.03 | 6%   |      |       |       |
| Aroclor-1260 Peak # 2 | A  | 0.6159 | 0.01               | 0.00 | 44%  |      |       |       |
| Aroclor-1260 Peak # 3 | A  | 0.1996 | 0.00               | 0.08 | 190% |      |       |       |
| Aroclor-1260 Peak # 4 | A  | 1.536  | 0.02               | 0.51 | 188% |      |       |       |
| Aroclor-1260 Peak # 5 | A  | 41.14  | 0.41               | 0.26 | 45%  |      |       |       |
| <b>Aroclor-1262</b>   | A  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1268</b>   | A  |        | ND                 |      |      | 0.50 |       | U     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 62.47 | 0.5000 | 0.6247 | 125* | 19-121 | C- U  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 61.93 | 0.5000 | 0.6193 | 124* | 19-121 | C- U  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 28553538     | -14.17 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 1594841      | -48.63 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | SAMPLE Abund | %Drift    |
|-------------------------------|----|------------|--------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???          | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???          | -100.00 * |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.09      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94      | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | SAMPLE RT | Drift |
|-------------------------------|----|---------|-----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???       |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???       |       |

03/12/24 : WIPE/ dm2-10ML

MES 03/13/24 [Decachlorobiphenyl (PCB) A]: Corrected automatically drawn baseline for Ch. A.

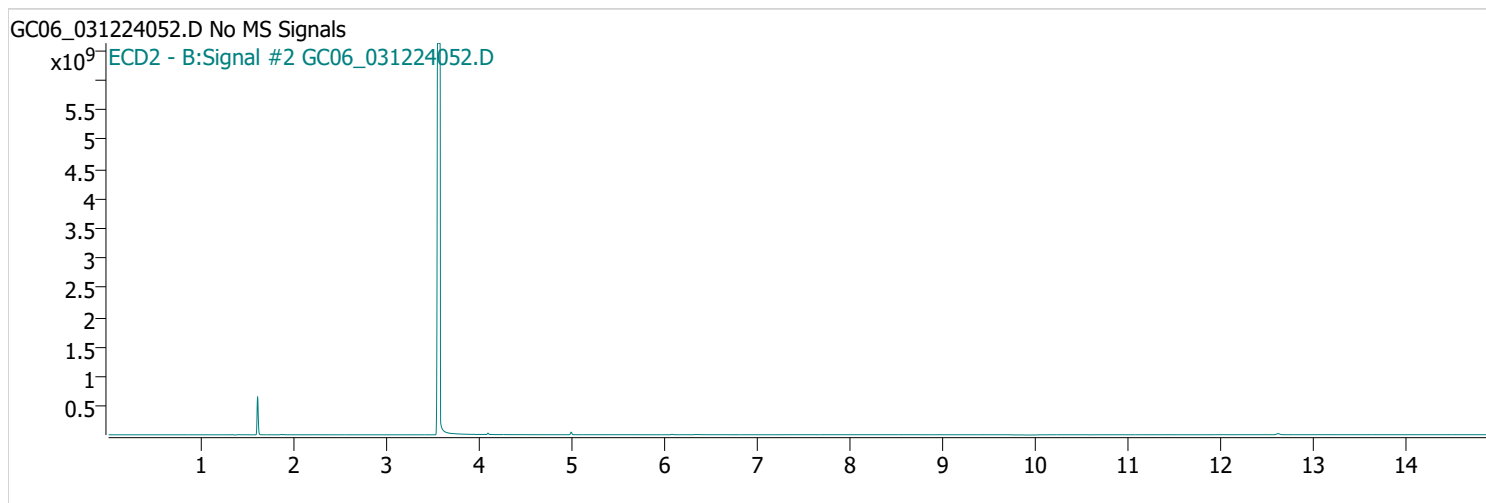
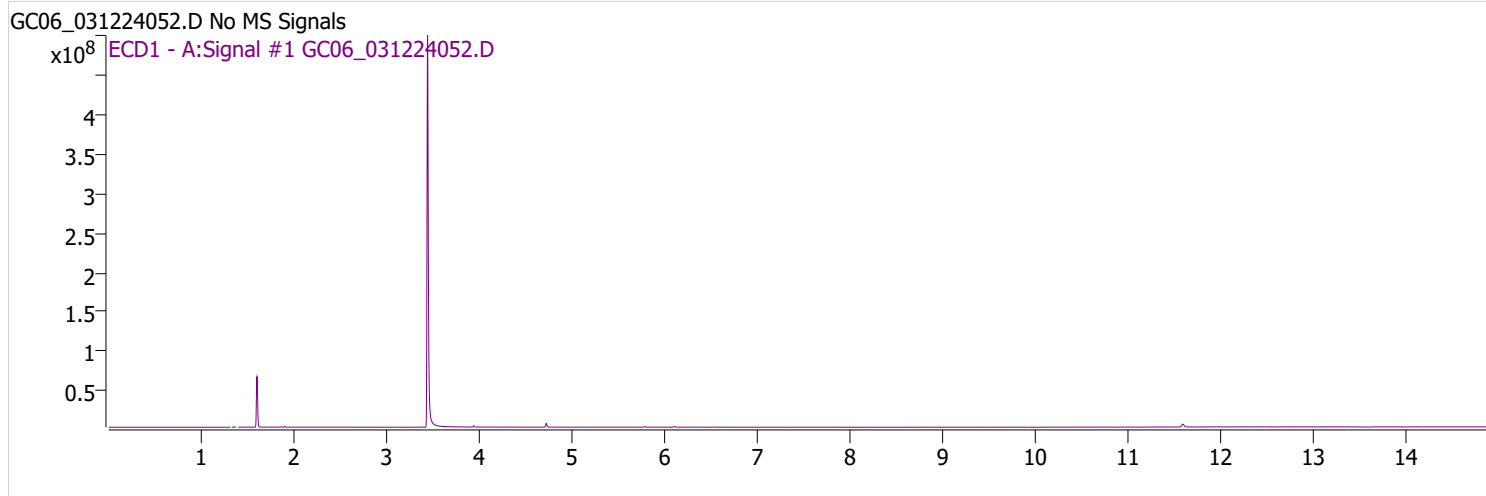
*-=low bias c=CCV u=use x=false positive*

**Analyst:** MES 03/13/24

**Reviewer:** MTS 03/15/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224052.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 5:46:25 PM |
| Sample Name    | 504073-023, 335088, 1   | Instrument        | SVOA-GC06            |
| Vial           | 21                      | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML       |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 1594841.41<br>7  | 20.0000            | ng/ml | -0.001   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.093                | 0.0  | 28553538.4<br>75 | 20.0000            | ng/ml | -0.003   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 4916831.72<br>9  | 62.4706            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 312.35% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 46611414.8<br>26 | 35.4950            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 177.47% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.591               | 0.0  | 6504905.60<br>0  | 61.9347            | ng/ml | m 0.000  |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 309.67% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.618               | 0.0  | 42175231.6<br>78 | 35.4950            | ng/ml | -0.003   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 177.48% | *     |          |

## Target Compounds

QValue

# Quantitation Results Report (Not Reviewed)

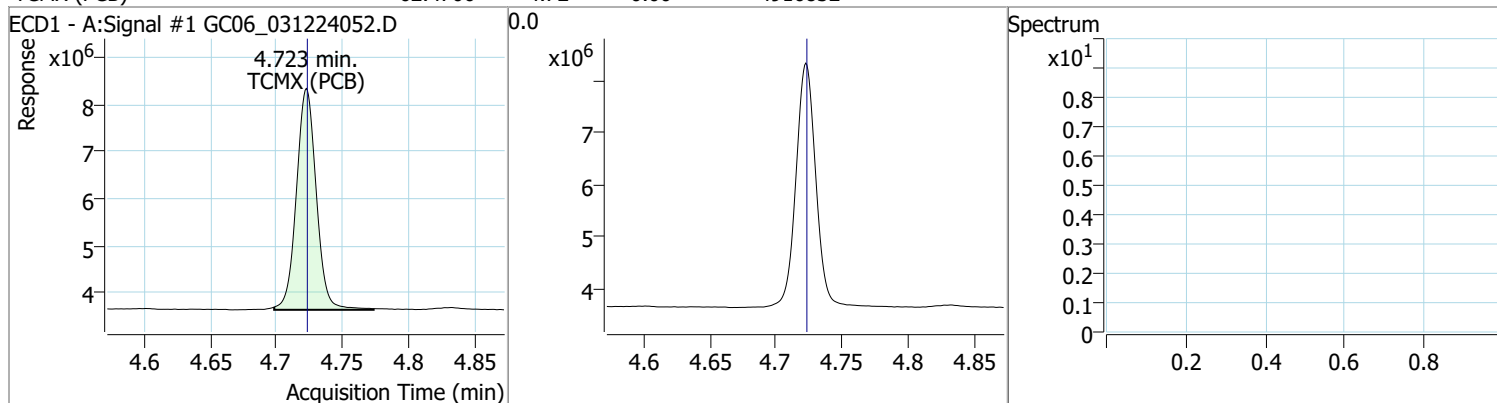
| Compound      | RT     | QIon | Resp.            | Conc.    | Units | Dev(Min) |
|---------------|--------|------|------------------|----------|-------|----------|
| T AR1016 1    | 5.083  | 0.0  | 110182.464       | 63.0383  | ng/ml | 100      |
| T AR1016 2    | 5.367  | 0.0  | 34945.878        | 10.3408  | ng/ml | 100      |
| T AR1016 1 #2 | 5.438  | 0.0  | 679506.443       | 23.9503  | ng/ml | 100      |
| T AR1016 3    | 5.782  | 0.0  | 767976.443       | 178.4640 | ng/ml | 100      |
| T AR1016 2 #2 | 5.866  | 0.0  | 516632.055       | 8.9458   | ng/ml | 100      |
| T AR1016 4    | 5.951  | 0.0  | 161138.303       | 62.5645  | ng/ml | 100      |
| T AR1016 3 #2 | 6.339  | 0.0  | 12718195.3<br>31 | 159.7021 | ng/ml | 100      |
| T AR1016 5    | 6.295  | 0.0  | 233689.739       | 99.0301  | ng/ml | 100      |
| T AR1016 4 #2 | 6.339  | 0.0  | 5019175.44<br>8  | 96.9197  | ng/ml | 100      |
| T AR1016 5 #2 | 7.024  | 0.0  | 472823.629       | 11.2106  | ng/ml | 100      |
| T AR1260 1    | 8.078  | 0.0  | 14950.756        | 3.0070   | ng/ml | 100      |
| T AR1260 2    | 8.548  | 0.0  | 4639.363         | 0.6159   | ng/ml | 100      |
| T AR1260 3    | 9.093  | 0.0  | 1551.433         | 0.1996   | ng/ml | 100      |
| T AR1260 1 #2 | 9.350  | 0.0  | 235945.981       | 2.8298   | ng/ml | 100      |
| T AR1260 2 #2 | 9.582  | 0.0  | 38896.206        | 0.3920   | ng/ml | 100      |
| T AR1260 4    | 9.655  | 0.0  | 6660.721         | 1.5363   | ng/ml | 100      |
| T AR1260 3 #2 | 10.255 | 0.0  | 920699.607       | 7.9291   | ng/ml | 100      |
| T AR1260 5    | 10.461 | 0.0  | 230920.136       | 41.1402  | ng/ml | 100      |
| T AR1260 4 #2 | 10.488 | 0.0  | 3631060.02<br>4  | 50.9888  | ng/ml | 100      |
| T AR1260 5 #2 | 11.264 | 0.0  | 2357191.10<br>4  | 25.9649  | ng/ml | 100      |

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

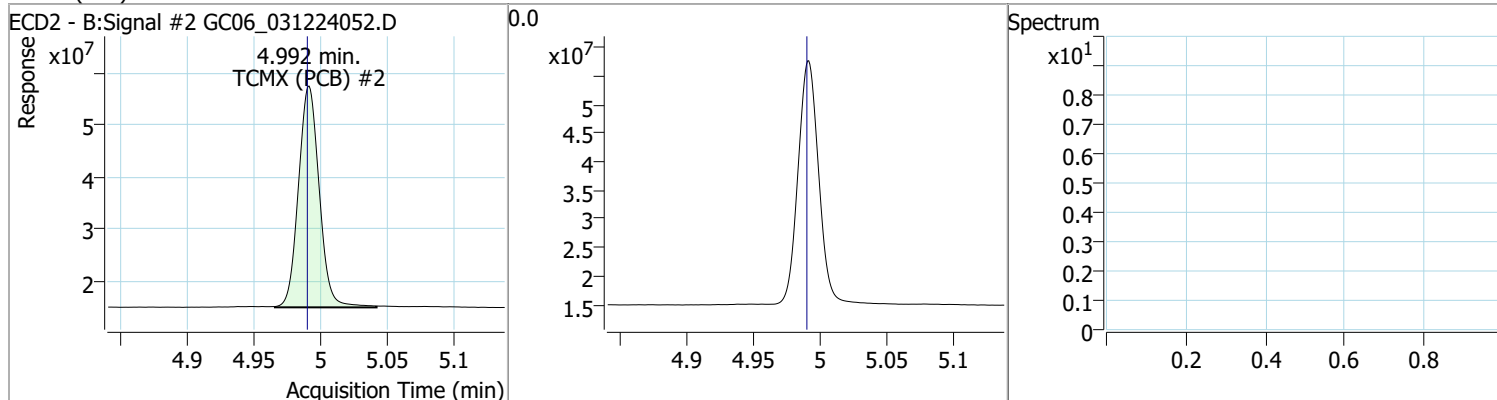


# Quantitation Results Report (Not Reviewed)

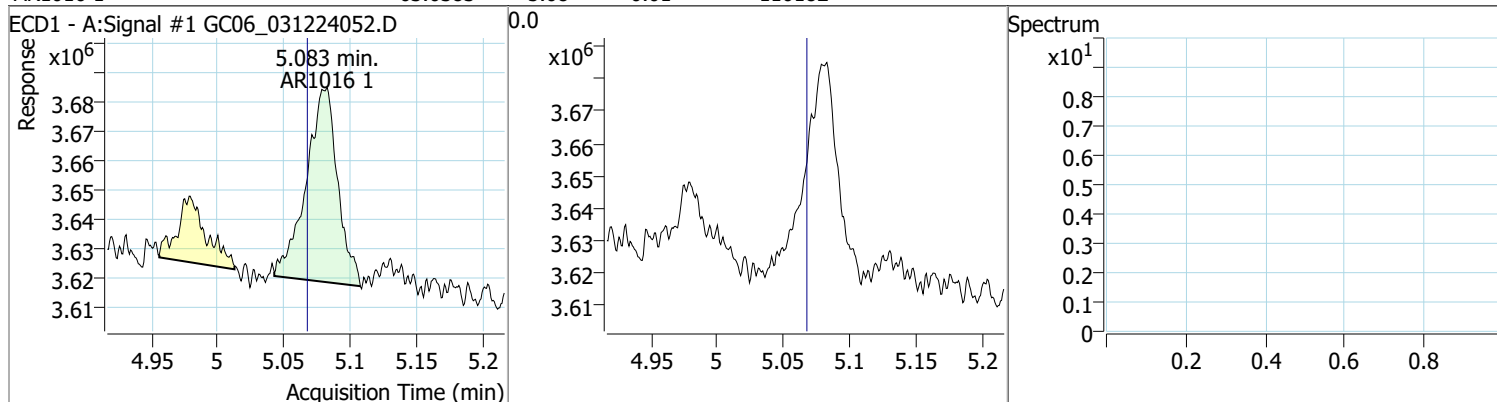
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 62.4706 | 4.72 | 0.00     | 4916832 |      |        |       |       |



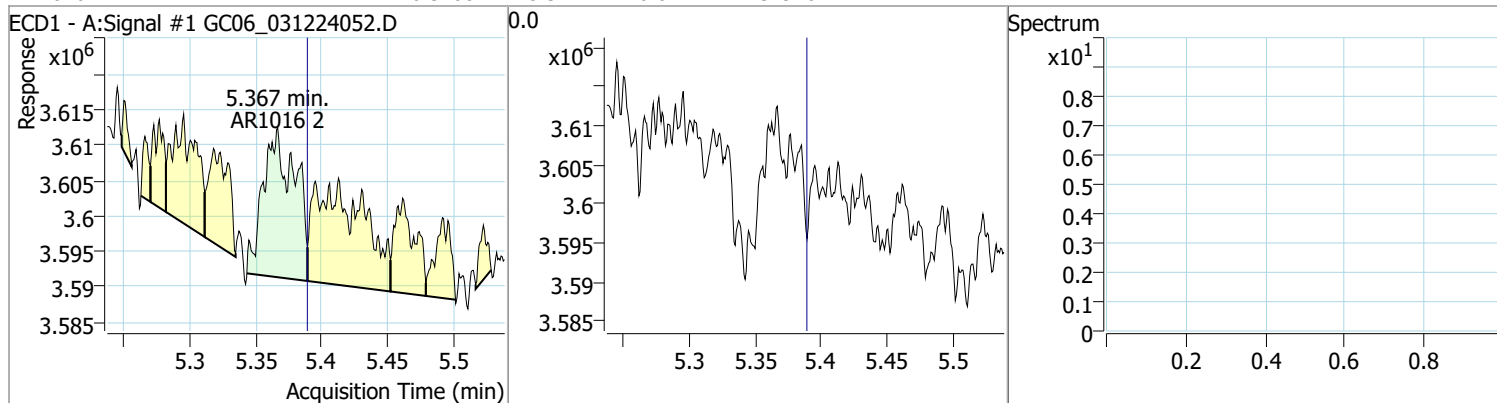
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 35.4950 | 4.99 | 0.00     | 46611415 |      |        |       |       |



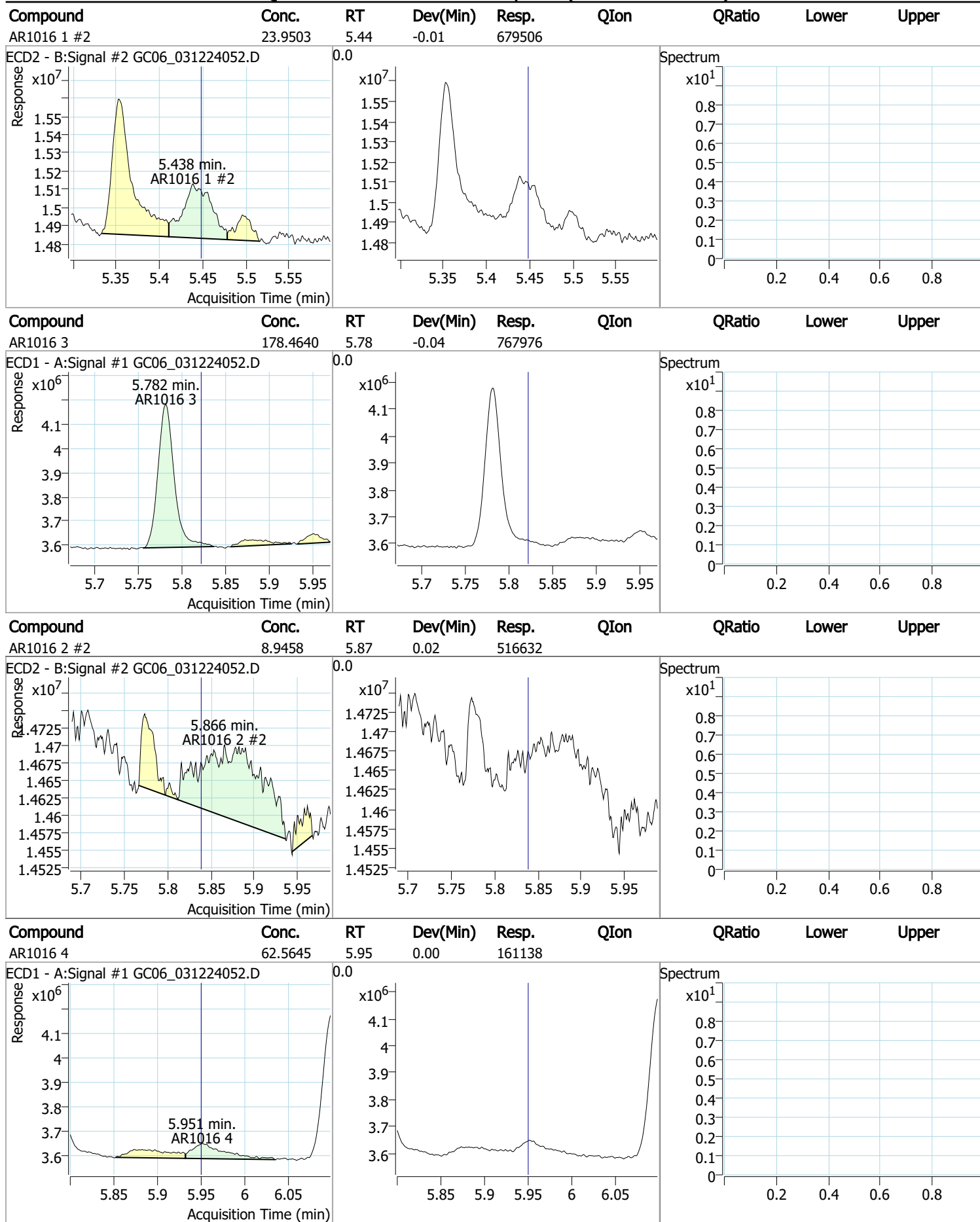
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 63.0383 | 5.08 | 0.01     | 110182 |      |        |       |       |



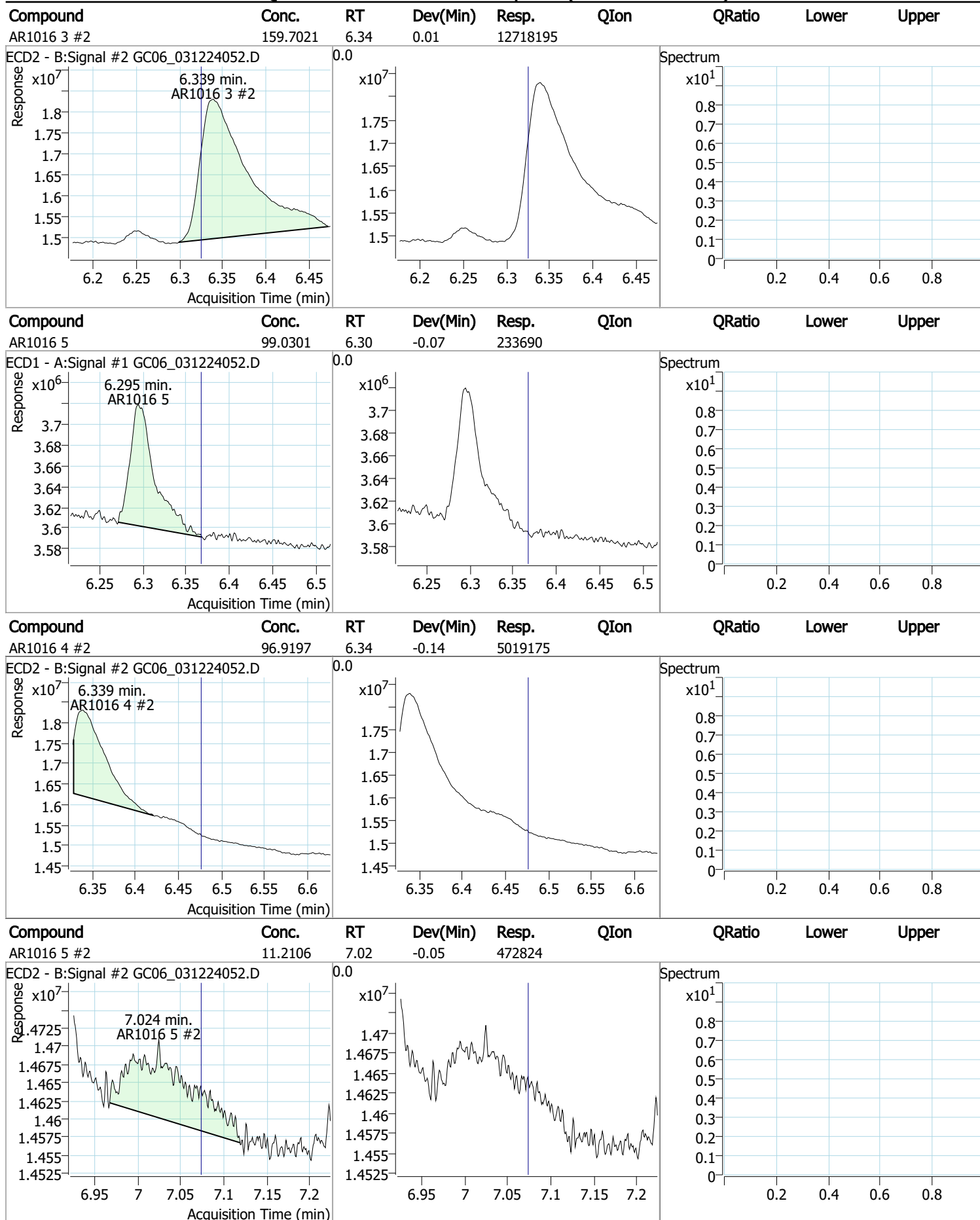
| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1016 2 | 10.3408 | 5.37 | -0.02    | 34946 |      |        |       |       |



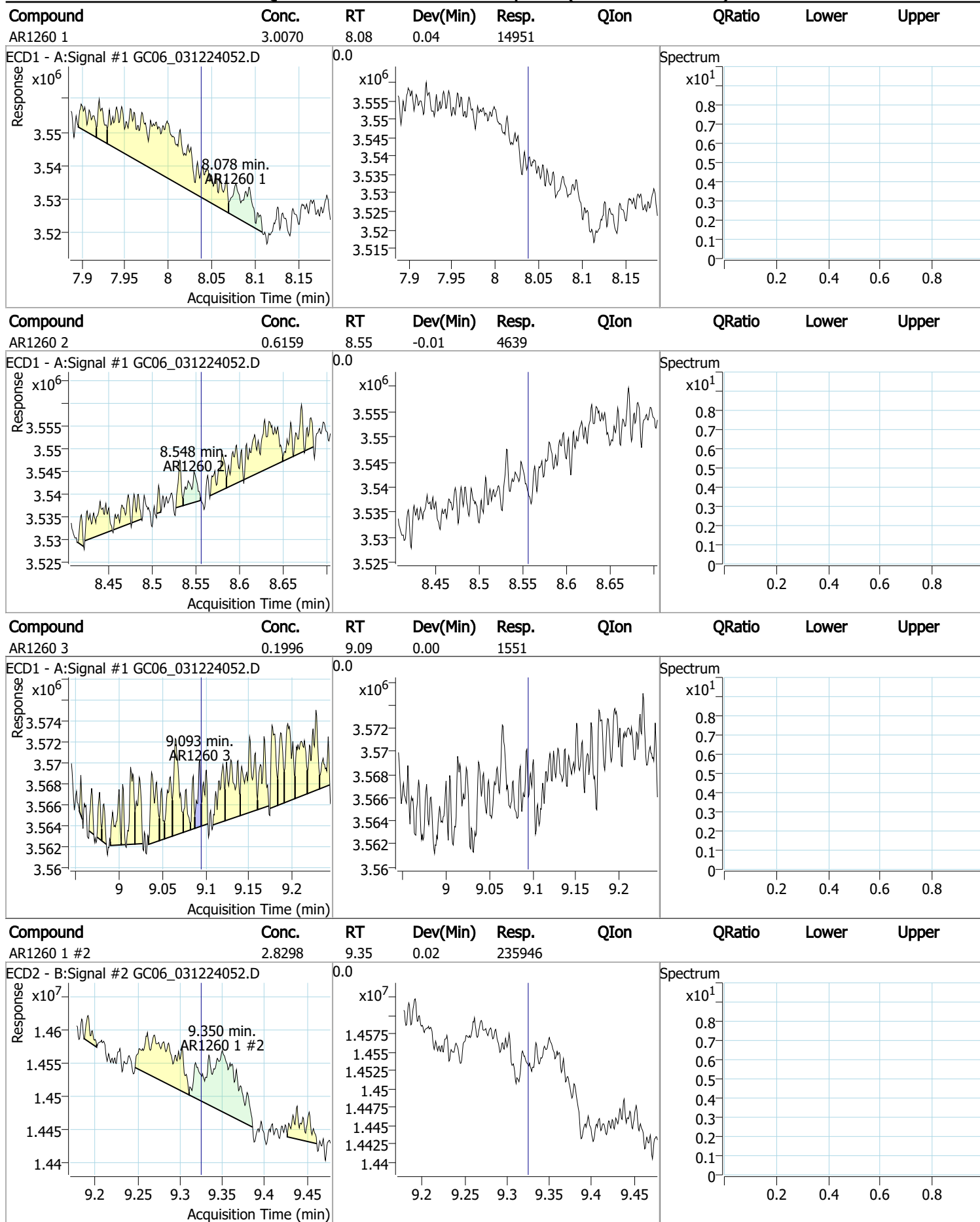
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

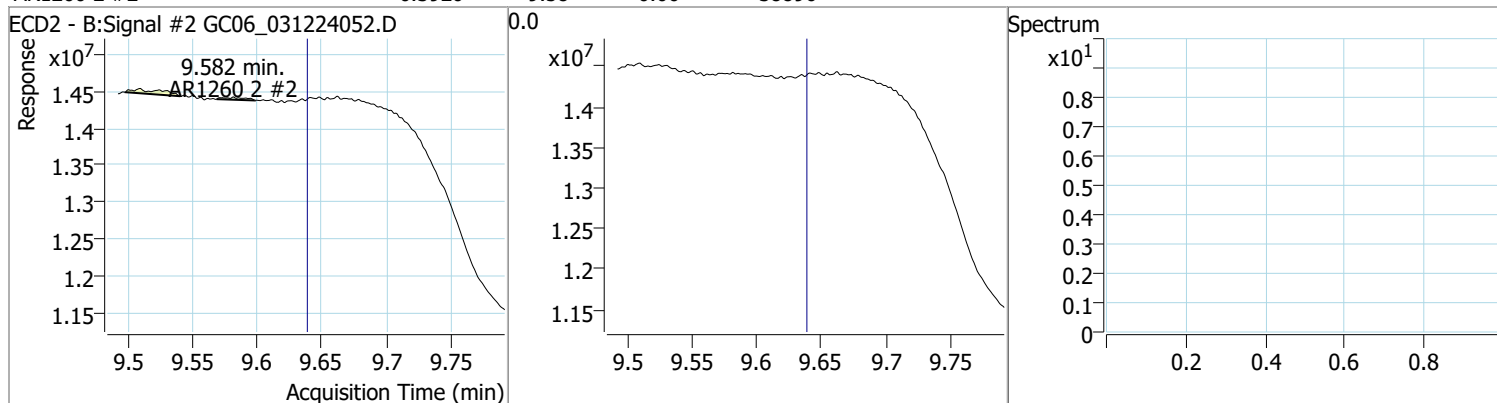


# Quantitation Results Report (Not Reviewed)

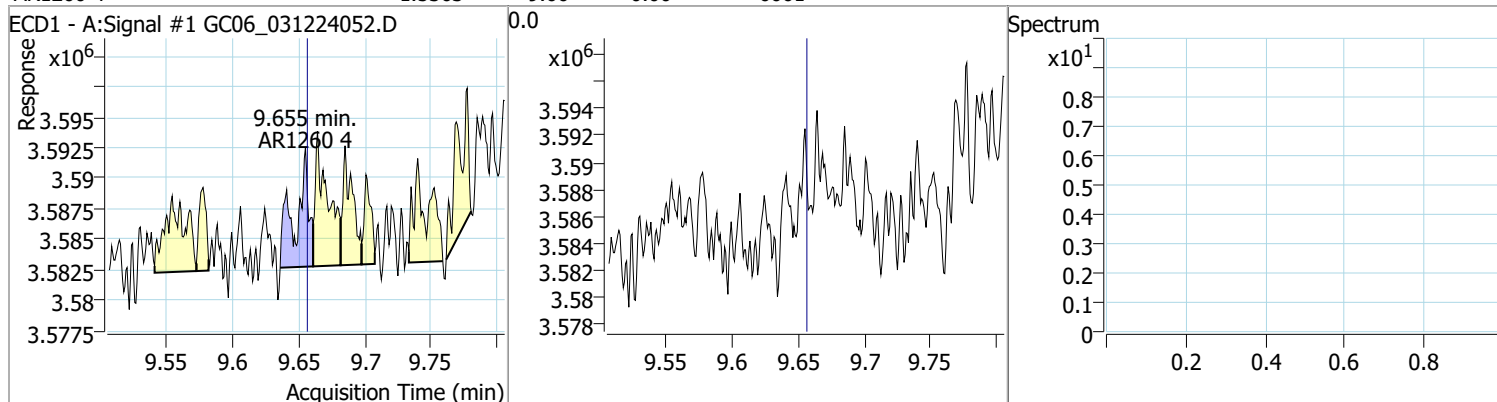


# Quantitation Results Report (Not Reviewed)

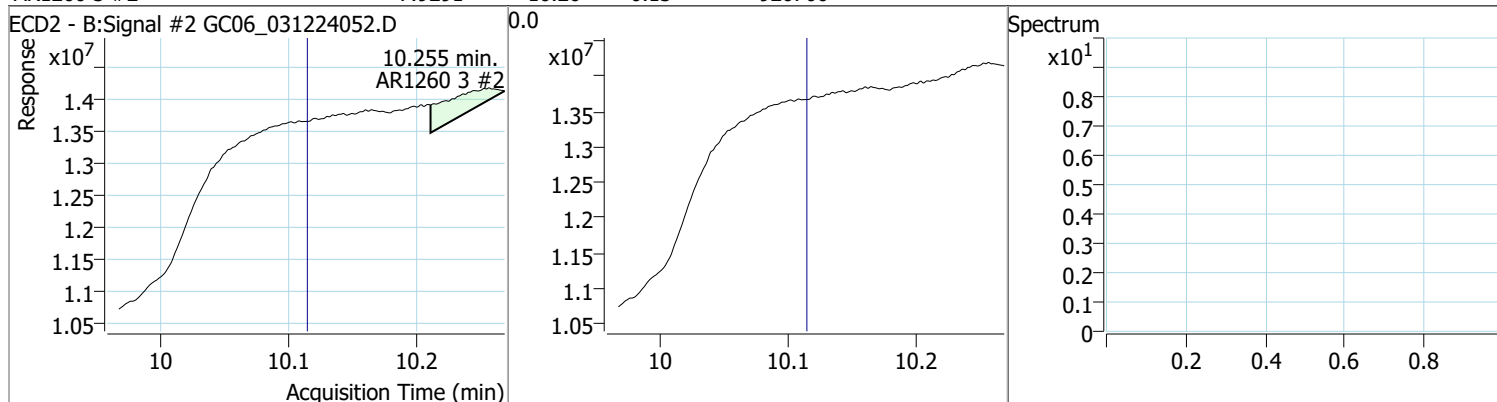
| Compound    | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 #2 | 0.3920 | 9.58 | -0.06    | 38896 |      |        |       |       |



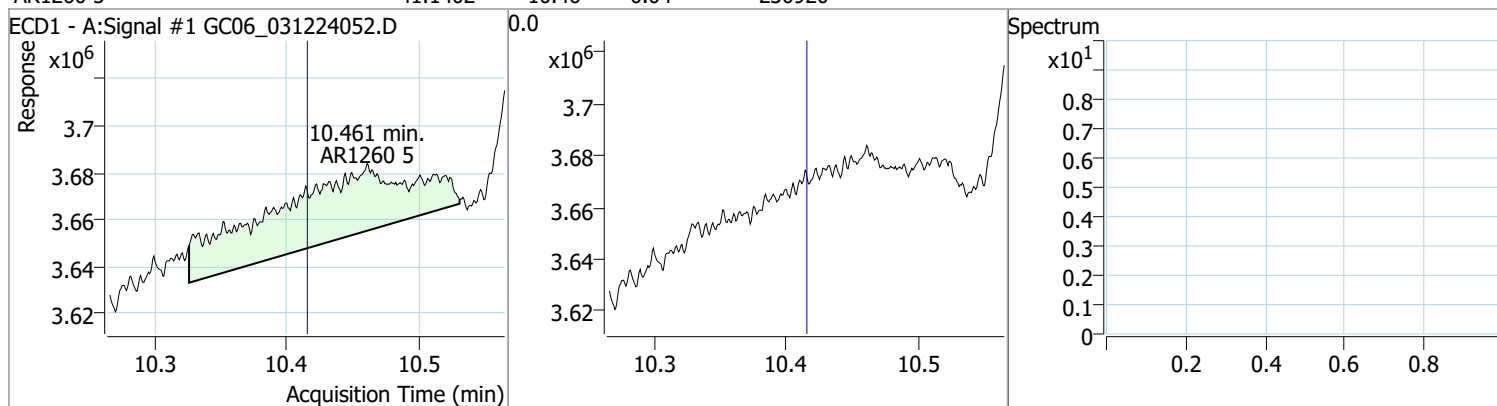
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 4 | 1.5363 | 9.66 | 0.00     | 6661  |      |        |       |       |



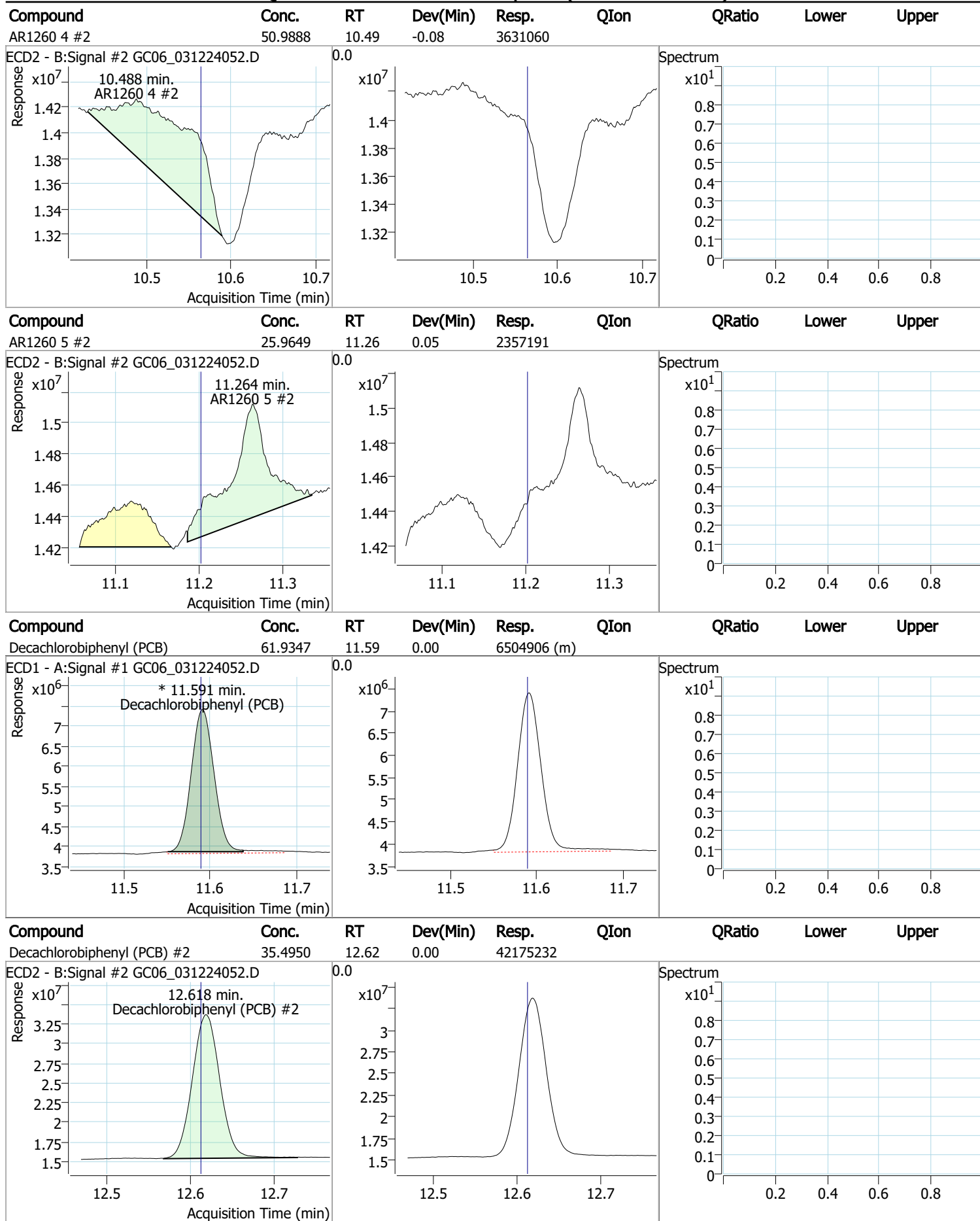
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 3 #2 | 7.9291 | 10.26 | 0.13     | 920700 |      |        |       |       |



| Compound | Conc.   | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 41.1402 | 10.46 | 0.04     | 230920 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



## QC Raw Data



## ENTHALPY BLANK USER REPORT FOR 504073 PCBS Wipe

EPA 8082

|                        |                      |                         |
|------------------------|----------------------|-------------------------|
| Inst: SVOA-GC06        | Lab ID: QC1135511    |                         |
| Seqnum: 454104162030.2 | Matrix: Wipe         |                         |
| File: gc06_031224030   | Batch: 335088        | Time: 12-MAR-2024 10:27 |
| Cal: 454097020001      | Caldate: 07-MAR-2024 |                         |
| IDF: 1.0               | Raw Units: ug/L      | Units: ug/dm2           |

- 1.00 dm2  $\Rightarrow$  10.0 ml = 10.0 ml/dm2 PDF

| Analyte               | Ch | Raw   | Result            | Conf | RPD  | RL   | Flags |
|-----------------------|----|-------|-------------------|------|------|------|-------|
| <b>Aroclor-1016</b>   | A  | 232.5 | 2.3 <sup>FP</sup> | 0.24 | 162% | 0.50 | x u   |
| Aroclor-1016 Peak # 1 | A  | 121.5 | 1.21              | 0.54 | 76%  |      |       |
| Aroclor-1016 Peak # 2 | A  | 84.69 | 0.85              | 0.54 | 45%  |      |       |
| Aroclor-1016 Peak # 3 | A  | 5.025 | 0.05              | 0.07 | 36%  |      |       |
| Aroclor-1016 Peak # 4 | A  | 637.4 | 6.37              | 0.03 | 198% |      |       |
| Aroclor-1016 Peak # 5 | A  | 314.0 | 3.14              | 0.04 | 195% |      |       |
| <b>Aroclor-1221</b>   | A  |       | ND                |      |      | 0.50 | u     |
| <b>Aroclor-1232</b>   | A  |       | ND                |      |      | 0.50 | u     |
| <b>Aroclor-1242</b>   | A  |       | ND                |      |      | 0.50 | u     |
| <b>Aroclor-1248</b>   | A  |       | ND                |      |      | 0.50 | u     |
| <b>Aroclor-1254</b>   | A  |       | ND                |      |      | 0.50 | u     |
| <b>Aroclor-1260</b>   | A  | 103.5 | 1.0 <sup>FP</sup> | ND   | 155% | 0.50 | x u   |
| Aroclor-1260 Peak # 1 | A  | 226.0 | 2.26              | 0.10 | 184% |      |       |
| Aroclor-1260 Peak # 2 | A  | 4.620 | 0.05              | 0.40 | 159% |      |       |
| Aroclor-1260 Peak # 3 | A  | 48.30 | 0.48              | 0.08 | 141% |      |       |
| Aroclor-1260 Peak # 4 | A  | 104.8 | 1.05              | 0.03 | 191% |      |       |
| Aroclor-1260 Peak # 5 | A  | 133.7 | 1.34              | 0.04 | 188% |      |       |
| <b>Aroclor-1262</b>   | A  |       | ND                |      |      | 0.50 | u     |
| <b>Aroclor-1268</b>   | A  |       | ND                |      |      | 0.50 | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | A  | 57.48 | 0.5000 | 0.5748 | 115  | 19-121 | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | A  | 54.73 | 0.5000 | 0.5473 | 109  | 19-121 | c- u  |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | BLANK Abund | %Drift |
|------------------------------|----|-----------|-------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 28757878    | -13.56 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 2268971     | -26.92 |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL Abund | BLANK Abund | %Drift    |
|-------------------------------|----|------------|-------------|-----------|
| 1-bromo-2-nitrobenzene (1254) | B  | 45111929   | ???         | -100.00 * |
| 1-bromo-2-nitrobenzene (1254) | A  | 4426608    | ???         | -100.00 * |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | BLANK RT | Drift |
|------------------------------|----|--------|----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.10     | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94     | 0.00  |

| ISTD (ICAL gc06_031224027)    | Ch | ICAL RT | BLANK RT | Drift |
|-------------------------------|----|---------|----------|-------|
| 1-bromo-2-nitrobenzene (1254) | B  | 4.10    | ???      |       |
| 1-bromo-2-nitrobenzene (1254) | A  | 3.94    | ???      |       |

03/12/24 : WIPE/1S-10ML [general version]

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

**Analyst:** MES 03/12/24

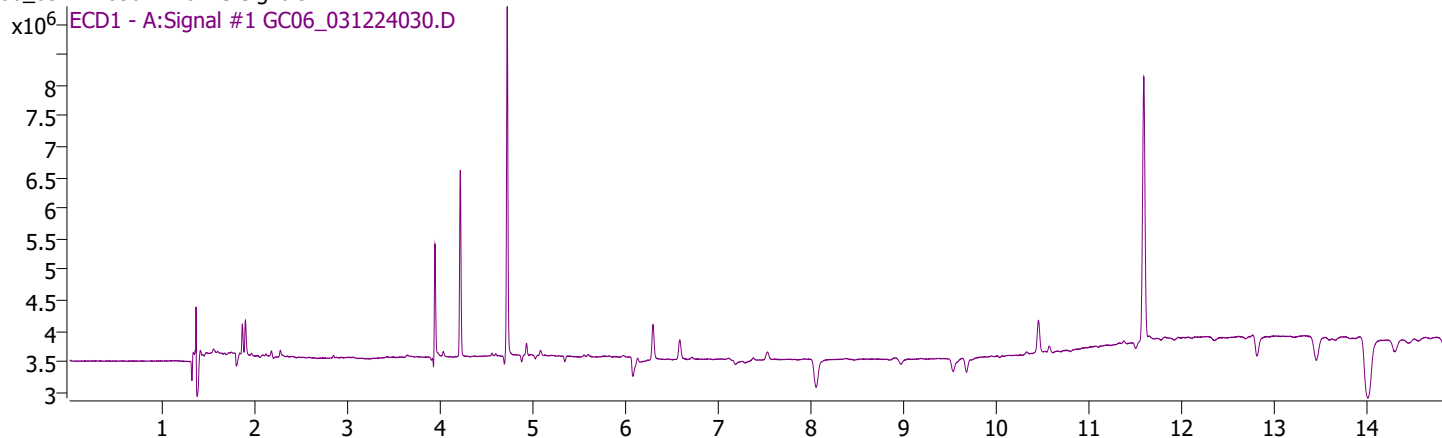
**Reviewer:** MTS 03/12/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_031224030.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 10:27:35 AM |
| Sample Name    | QC1135511, 335088, 1    | Instrument        | SVOA-GC06             |
| Vial           | 1                       | Multiplier        | 1.00                  |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/1S-10ML          |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM   |
| Ref Library    |                         |                   |                       |

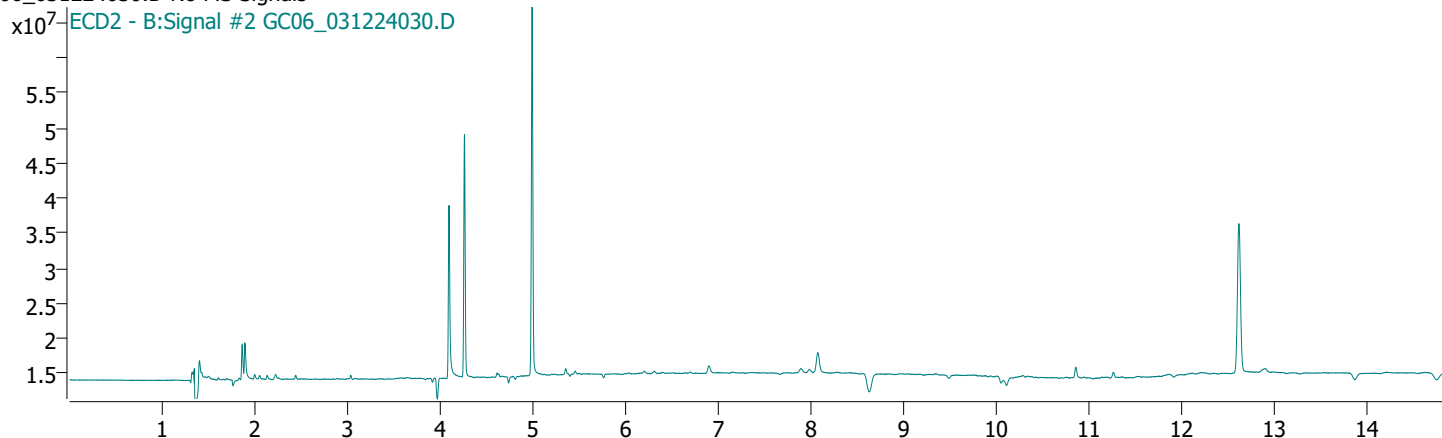
GC06\_031224030.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_031224030.D



GC06\_031224030.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_031224030.D



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 2268971.070  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.095                | 0.0  | 28757877.954 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 6436416.890  | 57.4809            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 287.40% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 58977214.754 | 44.5925            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 222.96% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.594               | 0.0  | 8177796.930  | 54.7291            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 273.65% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.621               | 0.0  | 49847083.751 | 41.6536            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 208.27% | *     |          |

## Target Compounds

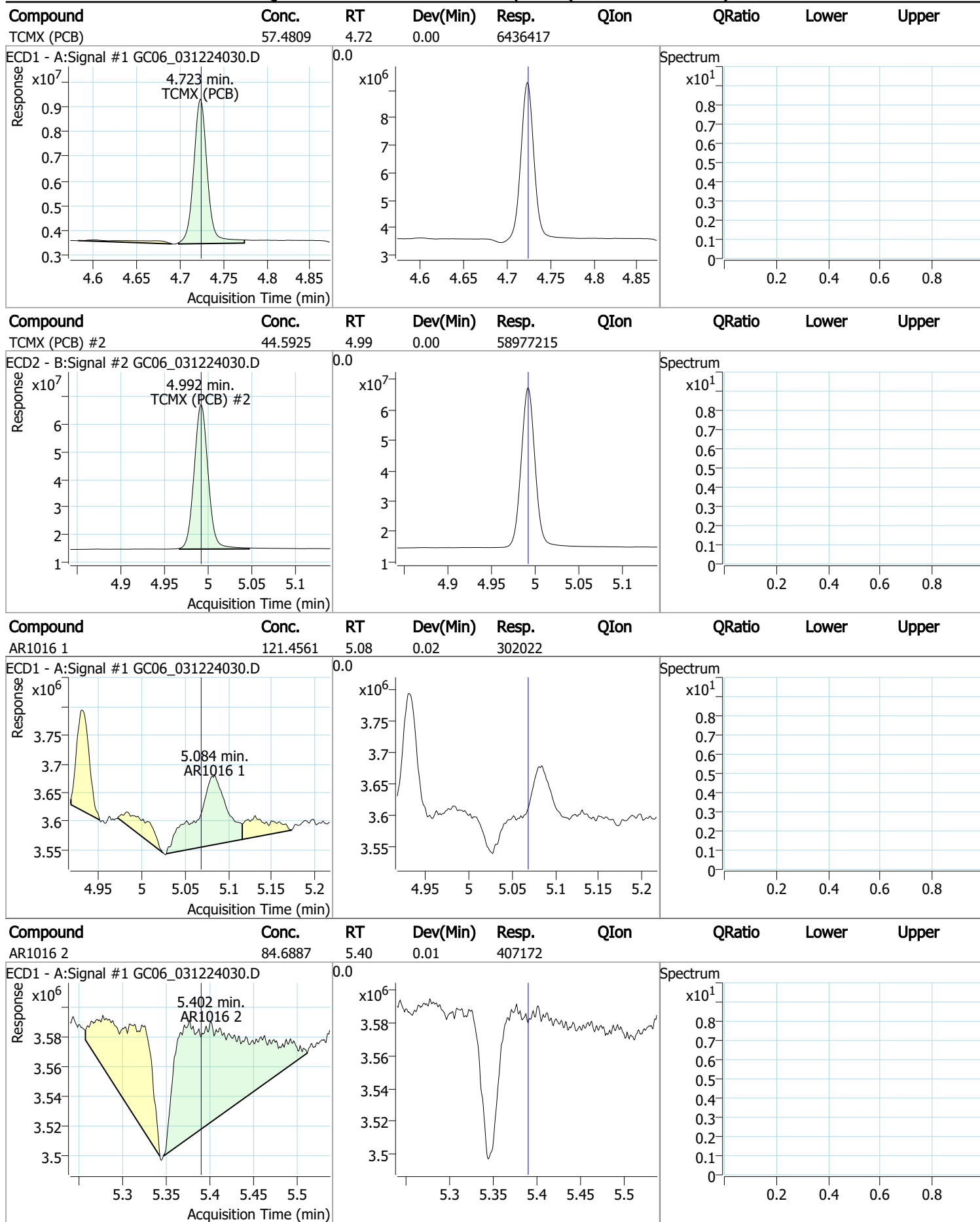
QValue

# Quantitation Results Report (Not Reviewed)

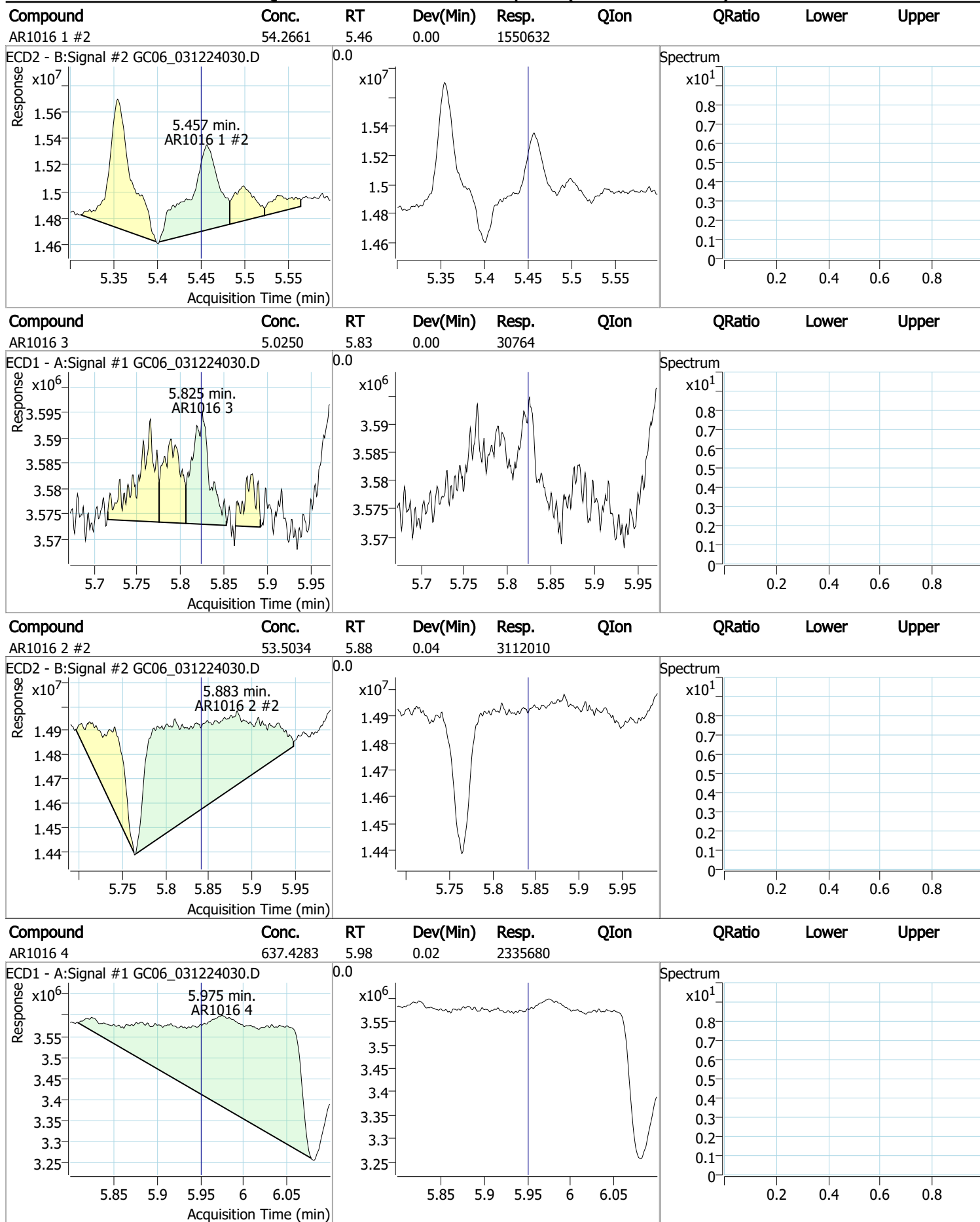
| Compound      | RT     | QIon | Resp.           | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-----------------|----------|-------|----------|
| T AR1016 1    | 5.084  | 0.0  | 302022.297      | 121.4561 | ng/ml | 100      |
| T AR1016 2    | 5.402  | 0.0  | 407172.239      | 84.6887  | ng/ml | 100      |
| T AR1016 1 #2 | 5.457  | 0.0  | 1550631.73<br>3 | 54.2661  | ng/ml | 100      |
| T AR1016 3    | 5.825  | 0.0  | 30764.017       | 5.0250   | ng/ml | 100      |
| T AR1016 2 #2 | 5.883  | 0.0  | 3112010.34<br>9 | 53.5034  | ng/ml | 100      |
| T AR1016 4    | 5.975  | 0.0  | 2335679.65<br>7 | 637.4283 | ng/ml | 100      |
| T AR1016 3 #2 | 6.312  | 0.0  | 582299.757      | 7.2600   | ng/ml | 100      |
| T AR1016 5    | 6.297  | 0.0  | 1054069.35<br>0 | 313.9680 | ng/ml | 100      |
| T AR1016 4 #2 | 6.473  | 0.0  | 156806.230      | 3.0064   | ng/ml | 100      |
| T AR1016 5 #2 | 7.028  | 0.0  | 172387.885      | 4.0583   | ng/ml | 100      |
| T AR1260 1    | 7.930  | 0.0  | 1598934.49<br>8 | 226.0399 | ng/ml | 100      |
| T AR1260 2    | 8.562  | 0.0  | 49512.736       | 4.6199   | ng/ml | 100      |
| T AR1260 3    | 9.188  | 0.0  | 534247.571      | 48.3050  | ng/ml | 100      |
| T AR1260 1 #2 | 9.353  | 0.0  | 814636.973      | 9.7008   | ng/ml | 100      |
| T AR1260 2 #2 | 9.757  | 0.0  | 3998957.06<br>6 | 40.0127  | ng/ml | 100      |
| T AR1260 4    | 9.632  | 0.0  | 646486.851      | 104.8084 | ng/ml | 100      |
| T AR1260 3 #2 | 10.075 | 0.0  | 980086.025      | 8.3805   | ng/ml | 100      |
| T AR1260 5    | 10.457 | 0.0  | 1067994.79<br>0 | 133.7403 | ng/ml | 100      |
| T AR1260 4 #2 | 10.600 | 0.0  | 181782.933      | 2.5345   | ng/ml | 100      |
| T AR1260 5 #2 | 11.186 | 0.0  | 380363.590      | 4.1600   | ng/ml | 100      |

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

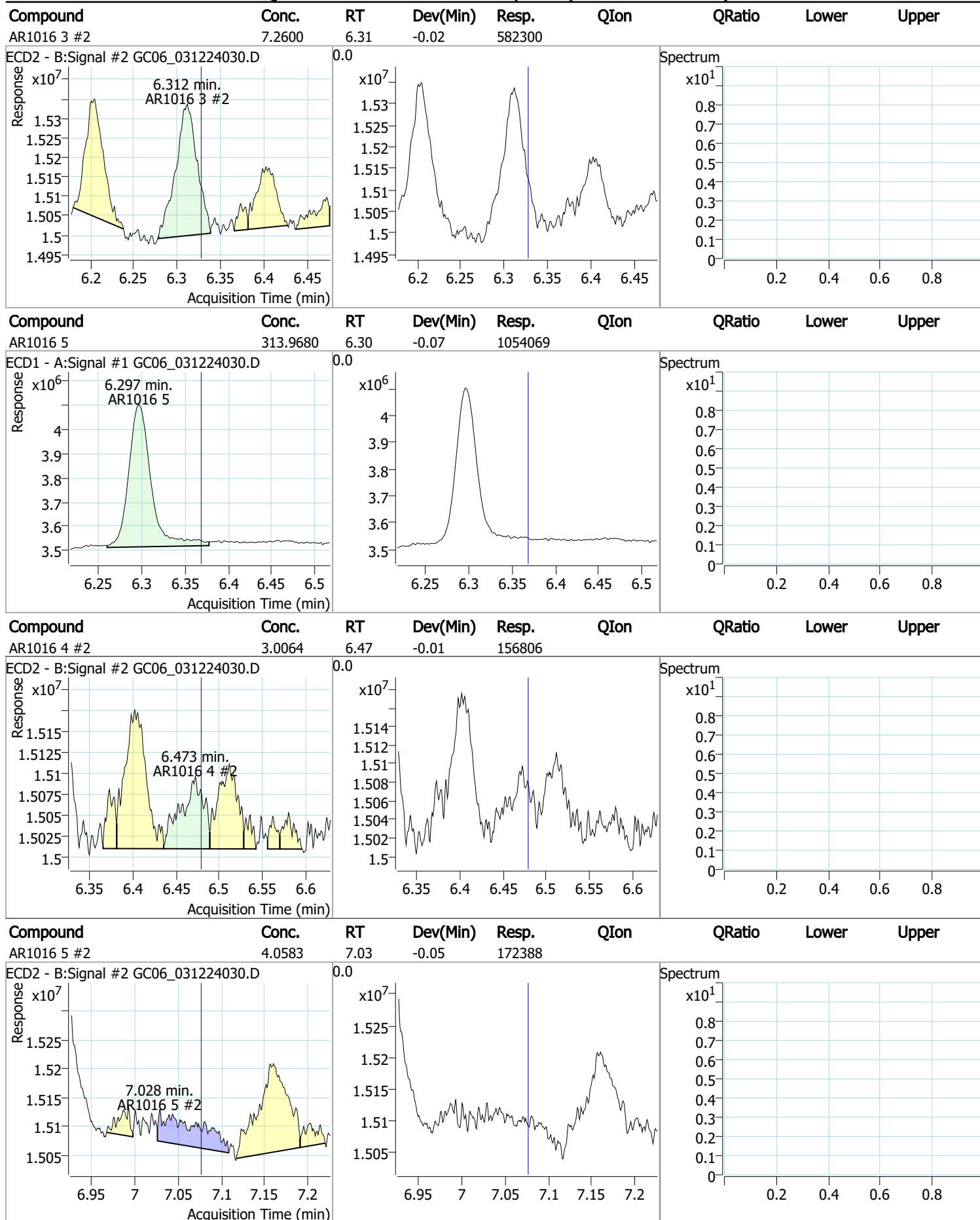
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

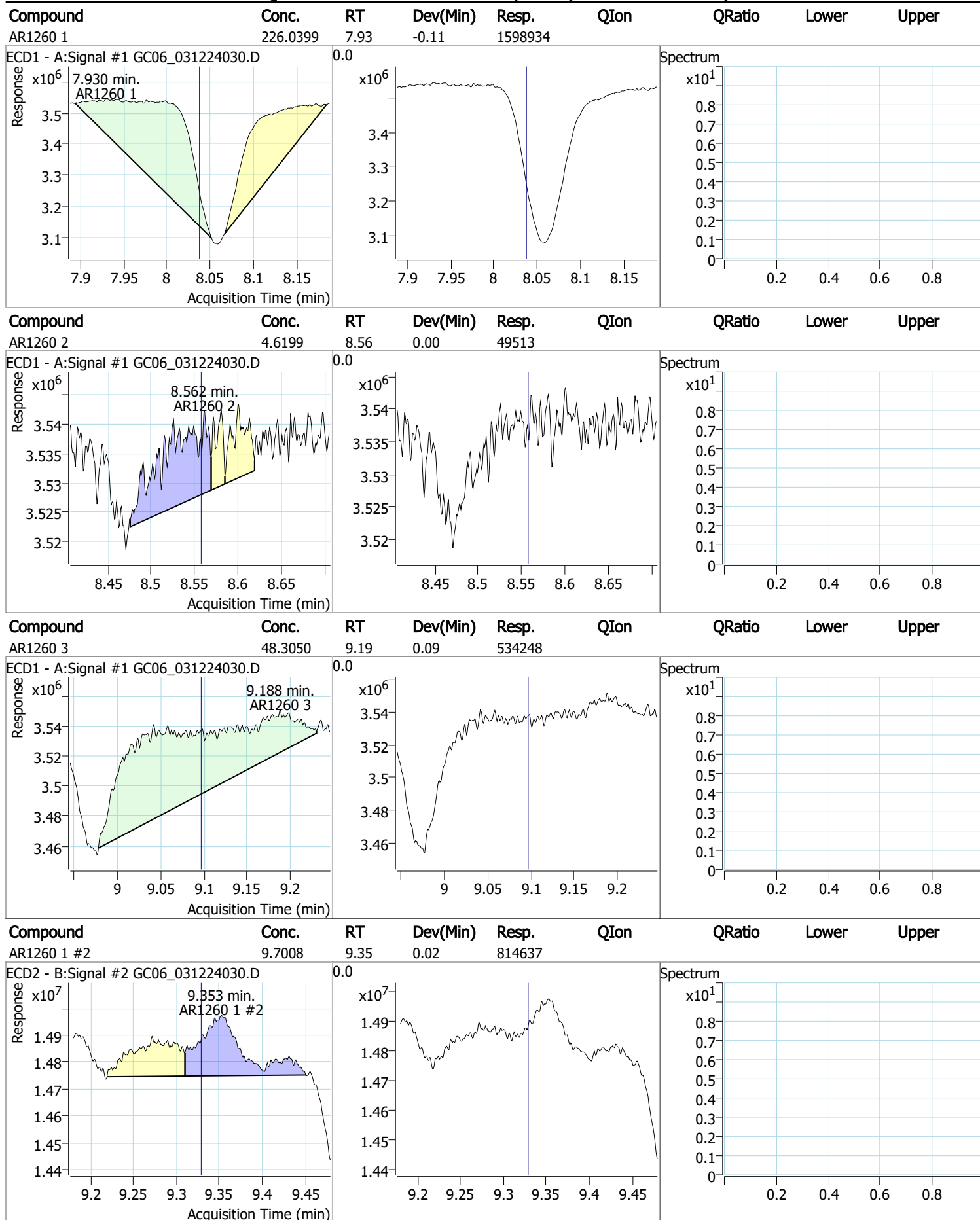


# Quantitation Results Report (Not Reviewed)



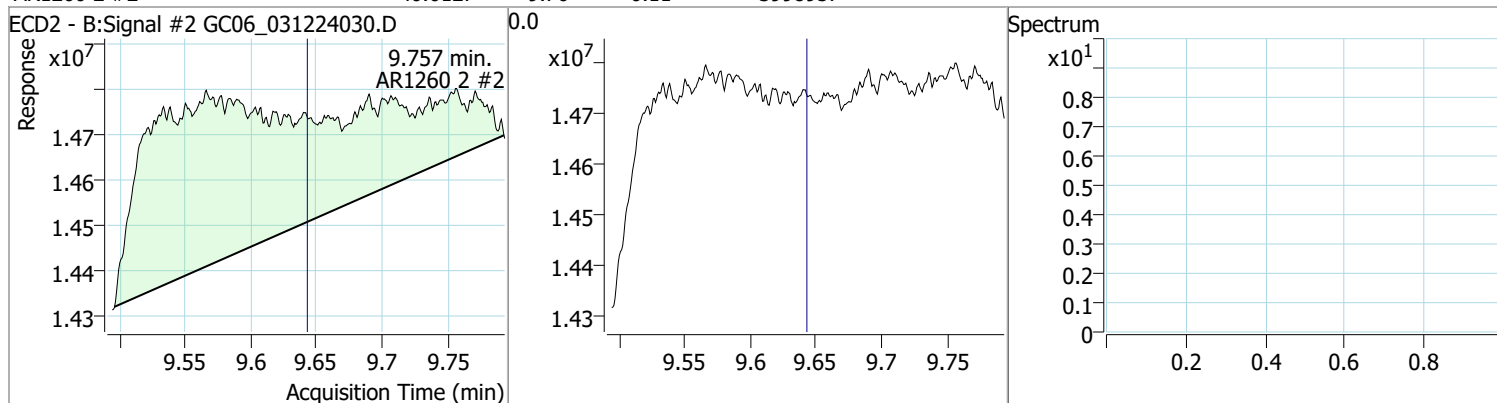


# Quantitation Results Report (Not Reviewed)

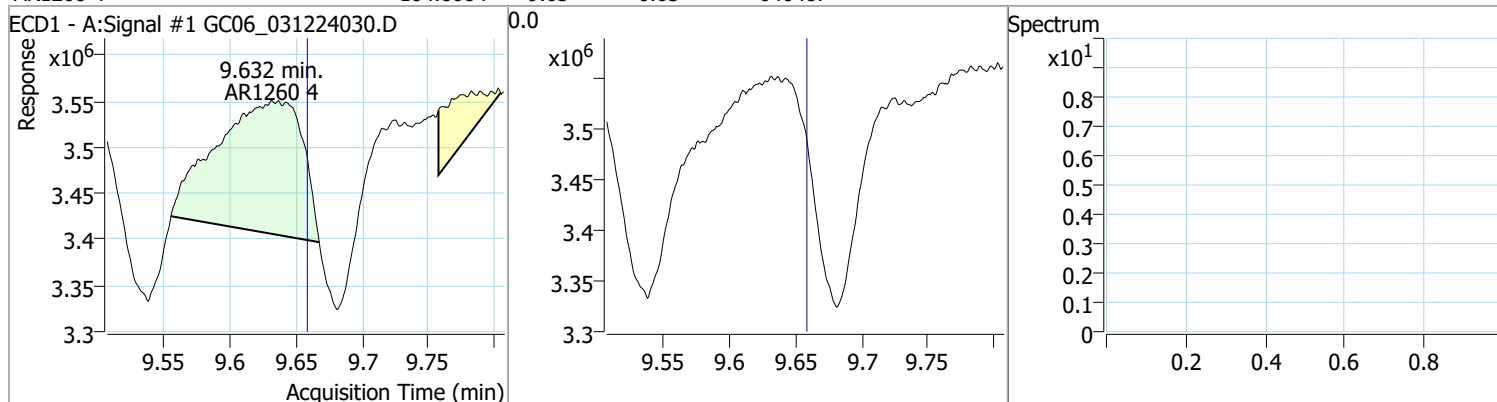


# Quantitation Results Report (Not Reviewed)

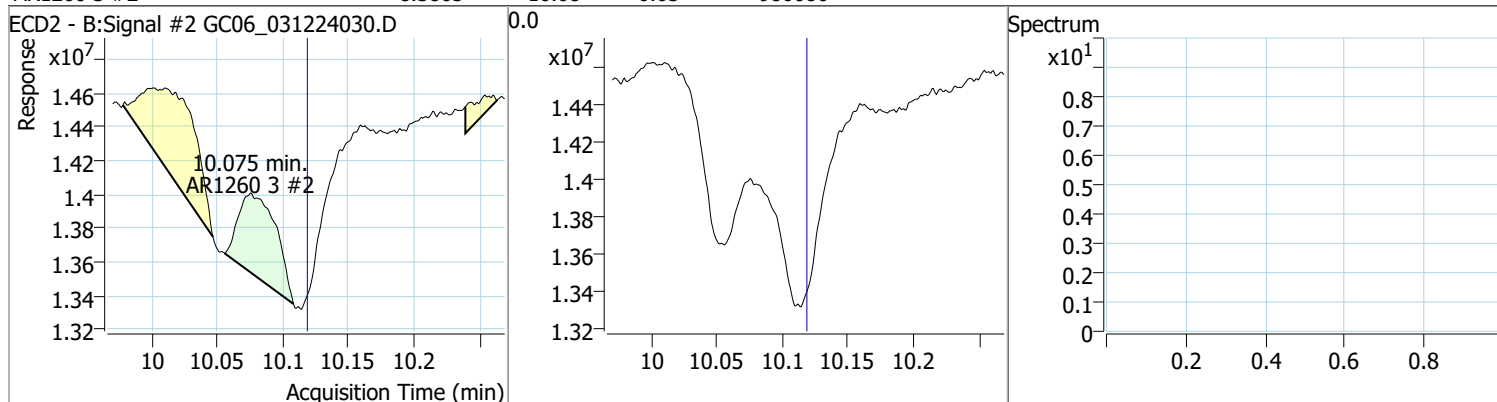
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 2 #2 | 40.0127 | 9.76 | 0.11     | 3998957 |      |        |       |       |



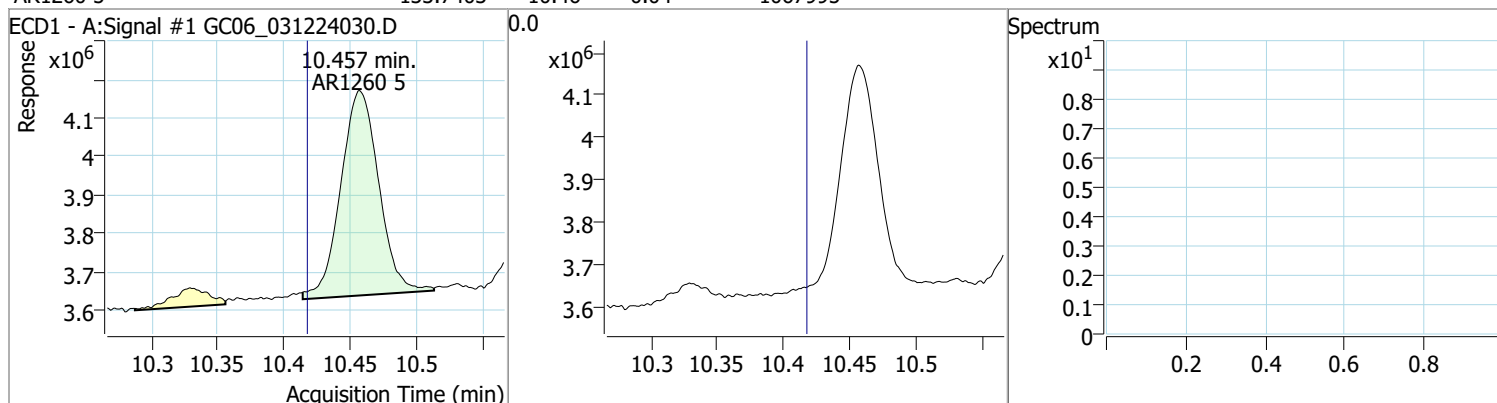
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1260 4 | 104.8084 | 9.63 | -0.03    | 646487 |      |        |       |       |



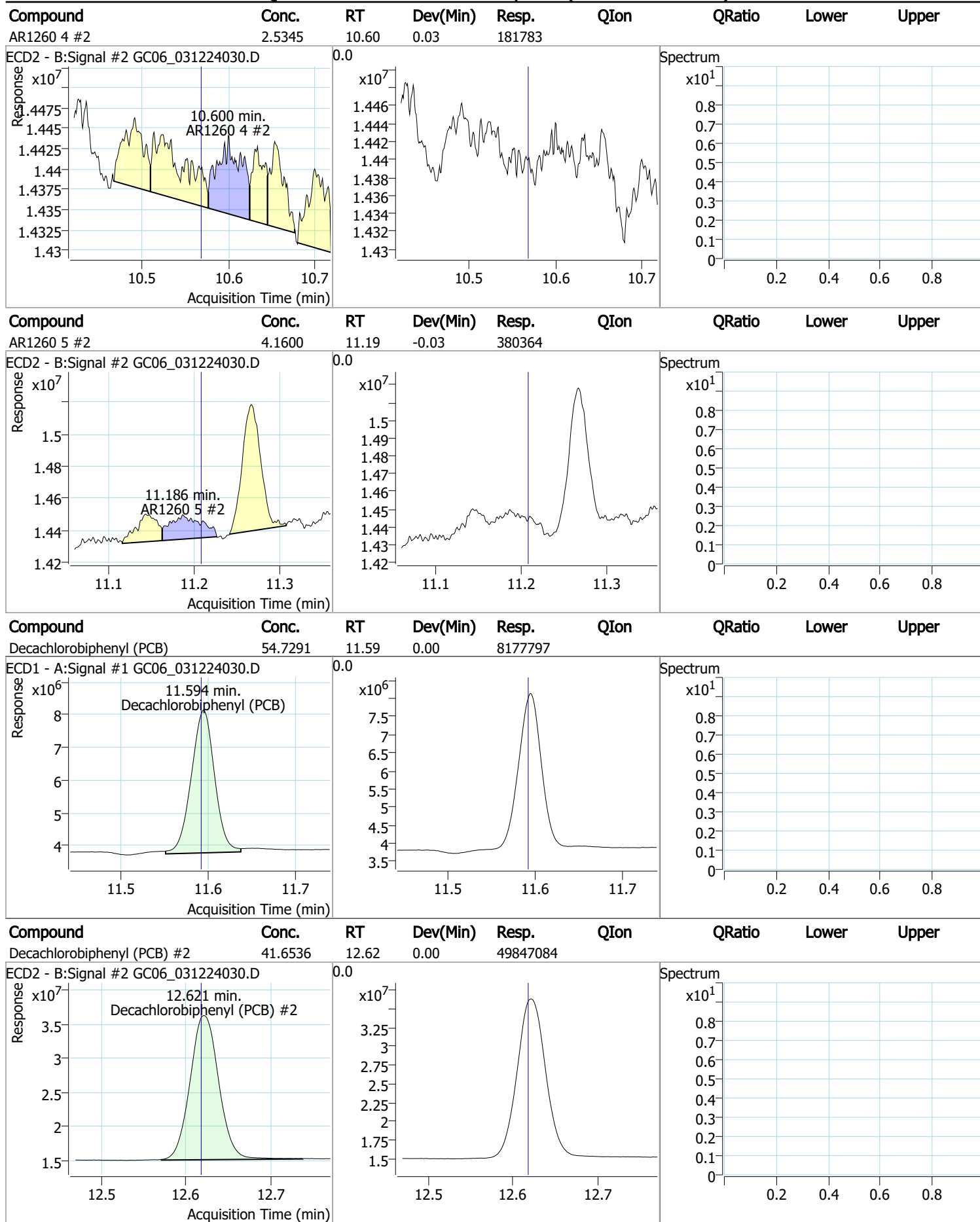
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 3 #2 | 8.3805 | 10.08 | -0.05    | 980086 |      |        |       |       |



| Compound | Conc.    | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|---------|------|--------|-------|-------|
| AR1260 5 | 133.7403 | 10.46 | 0.04     | 1067995 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



ENTHALPY SPIKE USER REPORT FOR 504073 PCBS Wipe  
EPA 8082

|                         |                         |
|-------------------------|-------------------------|
| Type: BS                | Type: BSD               |
| Inst: SVOA-GC06         | Inst: SVOA-GC06         |
| Seqnum: 454104162035.2  | Seqnum: 454104162036.2  |
| File: gc06_031224035    | File: gc06_031224036    |
| IDF: 1.0                | IDF: 1.0                |
| Lab ID: QC1135512       | Lab ID: QC1135513       |
| Matrix: Wipe            | Matrix: Wipe            |
| Batch: 335088           | Batch: 335088           |
| Time: 12-MAR-2024 12:08 | Time: 12-MAR-2024 12:28 |
| Cal: 454097020001       | Cal: 454097020001       |
| 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 |
|---------------------------------|--------|--------|-----------|----|------|---------|------------|----|------|--------|-----|-----|-------|
| <b>Aroclor-1016</b>             | 5.000  | 626.9  | 6.269     | A  | 125  | 670.6   | 6.706      | A  | 134  | 60-140 | 7   | 20  | u     |
| Aroclor-1016 Peak # 1           |        | 553.7  | 5.537     | A  |      | 648.0   | 6.480      | A  |      |        |     |     |       |
| Aroclor-1016 Peak # 2           |        | 631.8  | 6.318     | A  |      | 656.0   | 6.560      | A  |      |        |     |     |       |
| Aroclor-1016 Peak # 3           |        | 611.4  | 6.114     | A  |      | 625.2   | 6.252      | A  |      |        |     |     |       |
| Aroclor-1016 Peak # 4           |        | 742.6  | 7.426     | A  |      | 783.0   | 7.830      | A  |      |        |     |     |       |
| Aroclor-1016 Peak # 5           |        | 595.0  | 5.950     | A  |      | 640.7   | 6.407      | A  |      |        |     |     |       |
| <b>Aroclor-1260</b>             | 5.000  | 554.7  | 5.547     | A  | 111  | 599.8   | 5.998      | A  | 120  | 60-140 | 8   | 20  | u     |
| Aroclor-1260 Peak # 1           |        | 511.6  | 5.116     | A  |      | 552.0   | 5.520      | A  |      |        |     |     |       |
| Aroclor-1260 Peak # 2           |        | 628.8  | 6.288     | A  |      | 683.9   | 6.839      | A  |      |        |     |     |       |
| Aroclor-1260 Peak # 3           |        | 646.1  | 6.461     | A  |      | 691.9   | 6.919      | A  |      |        |     |     |       |
| Aroclor-1260 Peak # 4           |        | 480.0  | 4.800     | A  |      | 523.0   | 5.230      | A  |      |        |     |     |       |
| Aroclor-1260 Peak # 5           |        | 506.7  | 5.067     | A  |      | 548.1   | 5.481      | A  |      |        |     |     |       |
| Surrogates                      |        |        |           |    |      |         |            |    |      |        |     |     |       |
| <b>TCMX (PCB)</b>               | 0.5000 | 54.83  | 0.5483    | A  | 110  | 58.44   | 0.5844     | A  | 117  | 19-121 |     |     | c- u  |
| <b>Decachlorobiphenyl (PCB)</b> | 0.5000 | 53.94  | 0.5394    | A  | 108  | 56.21   | 0.5621     | A  | 112  | 19-121 |     |     | c- u  |

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | BS Abund | %Drift |
|------------------------------|----|-----------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 27621586 | -16.97 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 2245130  | -27.69 |

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | BS RT | Drift |
|------------------------------|----|--------|-------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.10  | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94  | 0.00  |

| ISTD (CCV gc06_031224004)    | Ch | CCV Abund | BSD Abund | %Drift |
|------------------------------|----|-----------|-----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 33268546  | 32758258  | -1.53  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3104777   | 2113543   | -31.93 |

| ISTD (CCV gc06_031224004)    | Ch | CCV RT | BSD RT | Drift |
|------------------------------|----|--------|--------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 4.10   | 4.10   | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.94   | 3.94   | 0.00  |

03/12/24 : WIPE/ dm2-10ML [general version]

MES 03/12/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

MES 03/12/24 [Aroclor-1260 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

*--low bias c=CCV u=use*

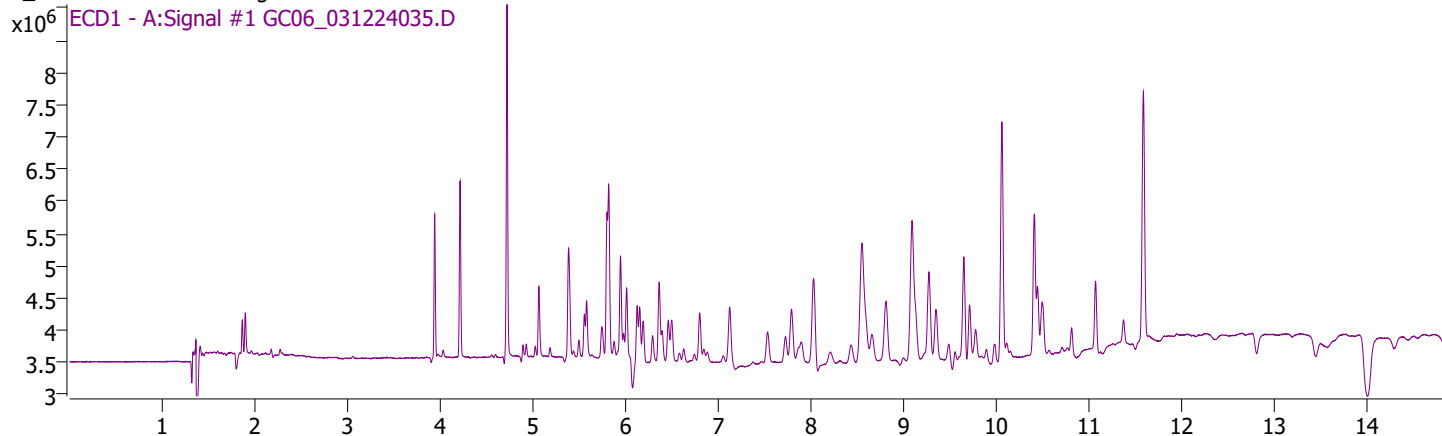
**Analyst:** MES 03/12/24 \*

**Reviewer:** MTS 03/12/24

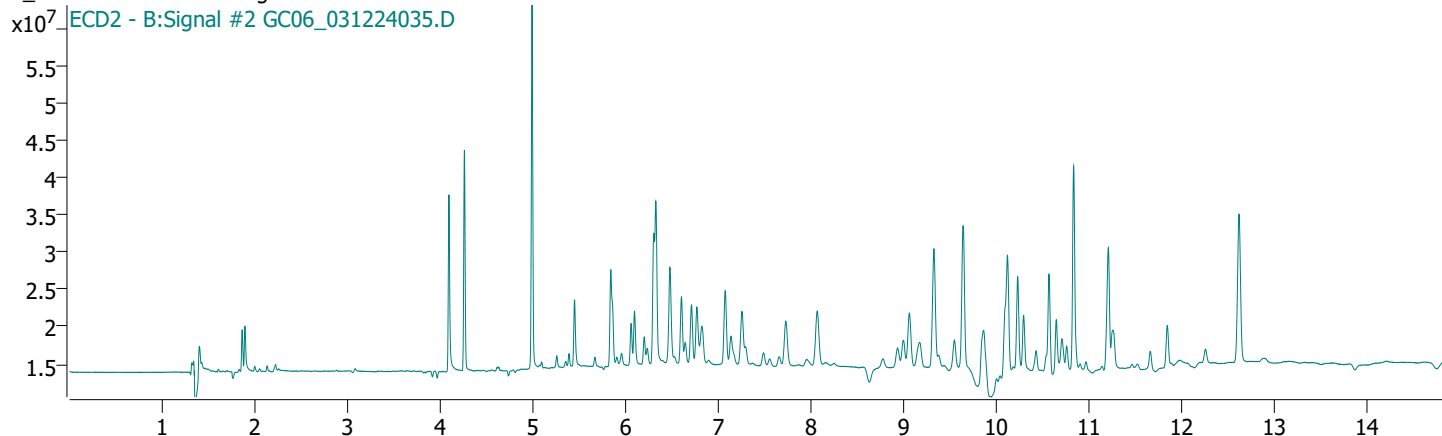
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_031224035.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 12:08:44 PM |
| Sample Name    | QC1135512, 335088, 1    | Instrument        | SVOA-GC06             |
| Vial           | 101                     | Multiplier        | 1.00                  |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML        |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM   |
| Ref Library    |                         |                   |                       |

GC06\_031224035.D No MS Signals



GC06\_031224035.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 2245129.84<br>7  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.095                | 0.0  | 27621586.0<br>01 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.724                | 0.0  | 6075145.00<br>1  | 54.8306            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 274.15% | *     |          |
| S TCMX (PCB) #2                    | 4.993                | 0.0  | 53419483.2<br>68 | 42.0519            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 210.26% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.596               | 0.0  | 7974732.35<br>0  | 53.9368            | ng/ml | 0.005    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 269.68% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.623               | 0.0  | 44783858.9<br>71 | 38.9621            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 194.81% | *     |          |

## Target Compounds

QValue

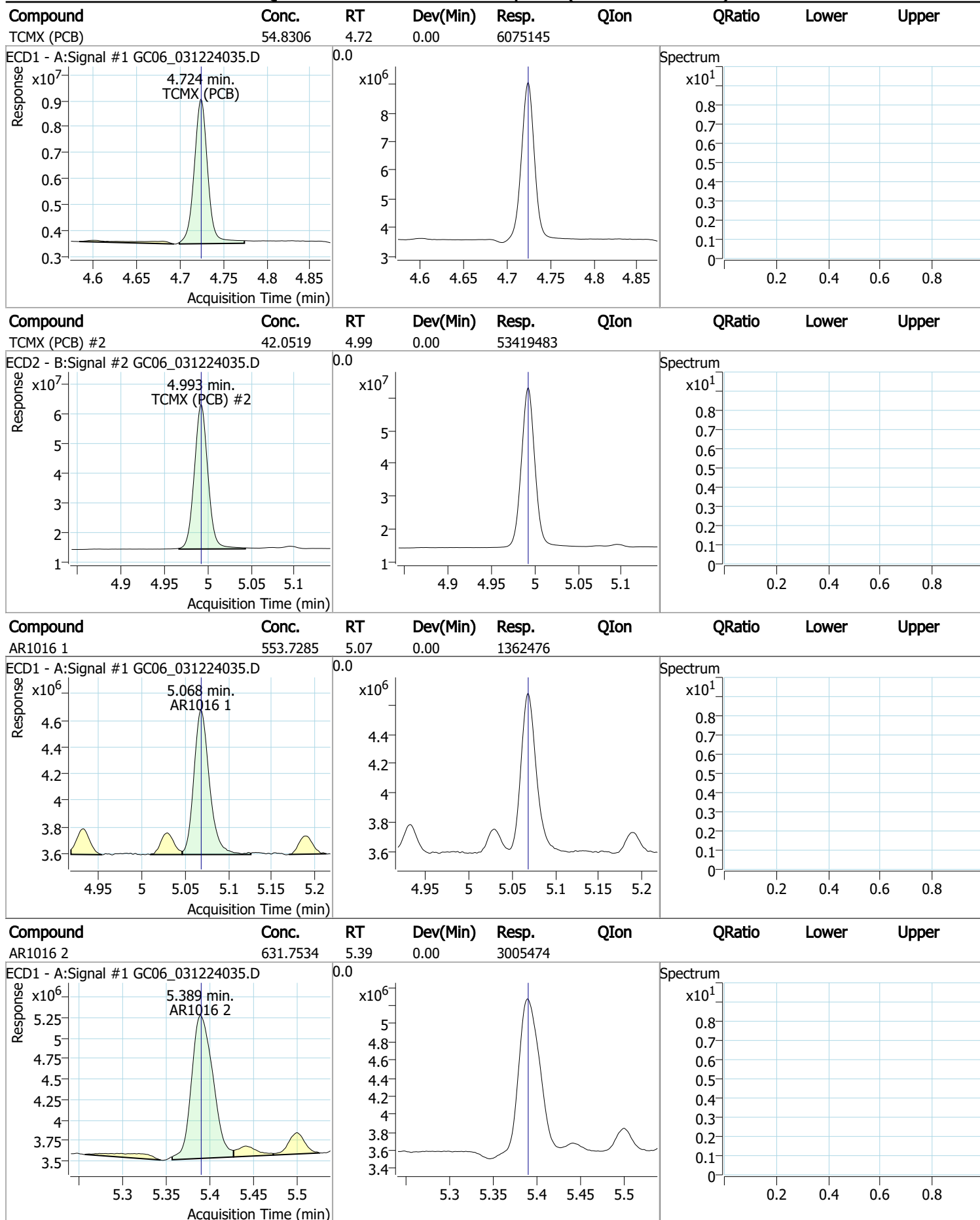
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.068  | 0.0  | 1362476.45<br>1  | 553.7285 | ng/ml   | 100      |
| T AR1016 2    | 5.389  | 0.0  | 3005474.02<br>5  | 631.7534 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.450  | 0.0  | 12264909.3<br>19 | 446.8814 | ng/ml   | 100      |
| T AR1016 3    | 5.822  | 0.0  | 3703618.59<br>2  | 611.3714 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.842  | 0.0  | 26460082.6<br>26 | 473.6310 | ng/ml   | 100      |
| T AR1016 4    | 5.949  | 0.0  | 2692452.24<br>9  | 742.5977 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.328  | 0.0  | 34099863.4<br>25 | 442.6384 | ng/ml m | 100      |
| T AR1016 5    | 6.367  | 0.0  | 1976660.03<br>1  | 595.0257 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.480  | 0.0  | 23337142.3<br>77 | 465.8419 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.077  | 0.0  | 18609002.1<br>94 | 456.1044 | ng/ml   | 100      |
| T AR1260 1    | 8.034  | 0.0  | 3581189.31<br>3  | 511.6457 | ng/ml m | 100      |
| T AR1260 2    | 8.558  | 0.0  | 6668179.27<br>0  | 628.7914 | ng/ml   | 100      |
| T AR1260 3    | 9.098  | 0.0  | 7070374.07<br>5  | 646.0696 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.329  | 0.0  | 35555908.4<br>13 | 440.8209 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.644  | 0.0  | 37077603.4<br>75 | 386.2527 | ng/ml m | 100      |
| T AR1260 4    | 9.658  | 0.0  | 2929898.08<br>6  | 480.0388 | ng/ml m | 100      |
| T AR1260 3 #2 | 10.123 | 0.0  | 44661117.9<br>25 | 397.5996 | ng/ml m | 100      |
| T AR1260 5    | 10.419 | 0.0  | 4003993.12<br>5  | 506.7270 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.571 | 0.0  | 25527090.2<br>75 | 370.5560 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.212 | 0.0  | 32461311.5<br>59 | 369.6319 | ng/ml   | 100      |

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

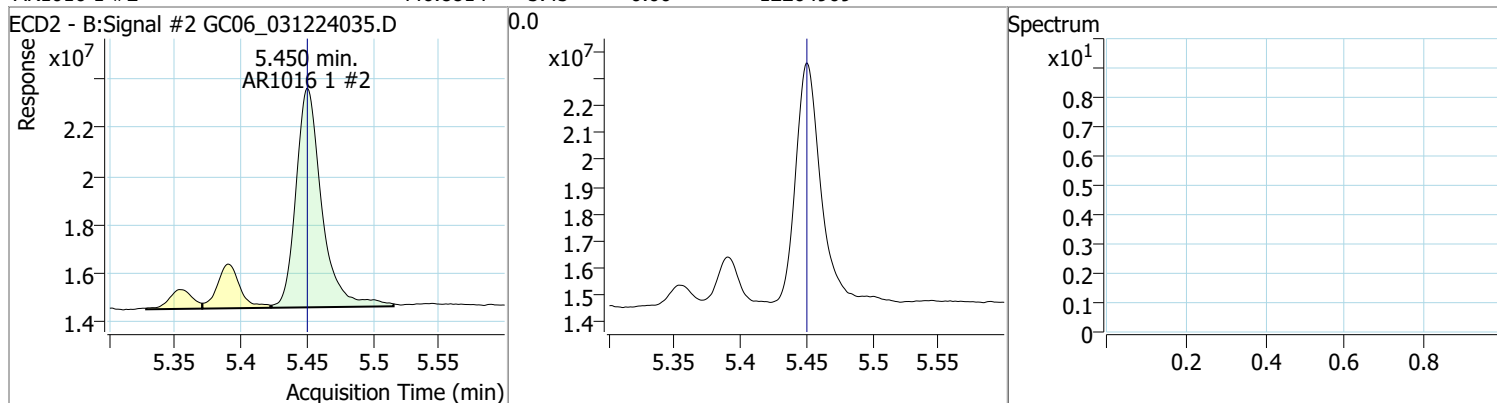


# Quantitation Results Report (Not Reviewed)

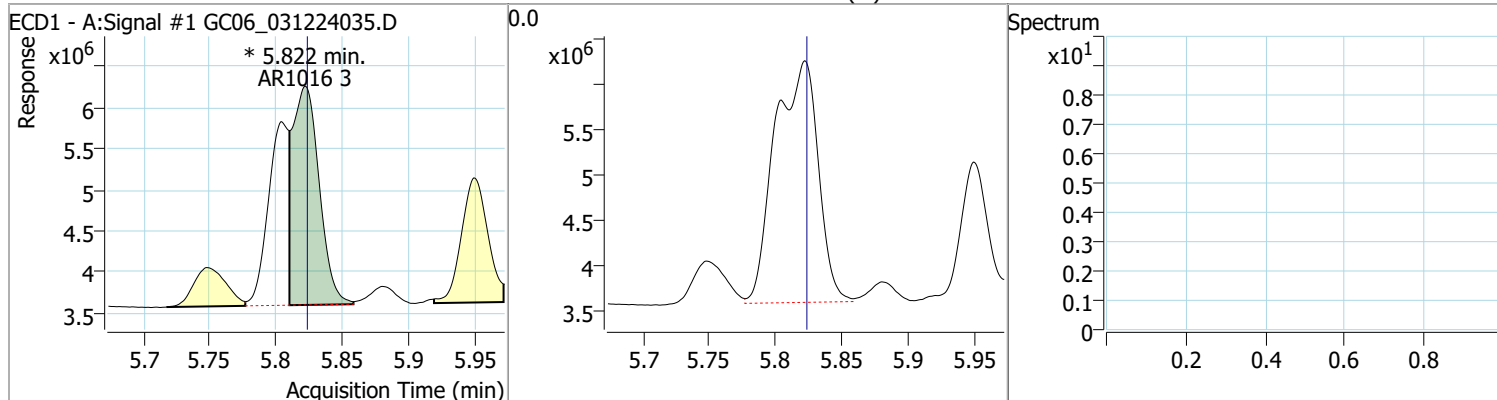


# Quantitation Results Report (Not Reviewed)

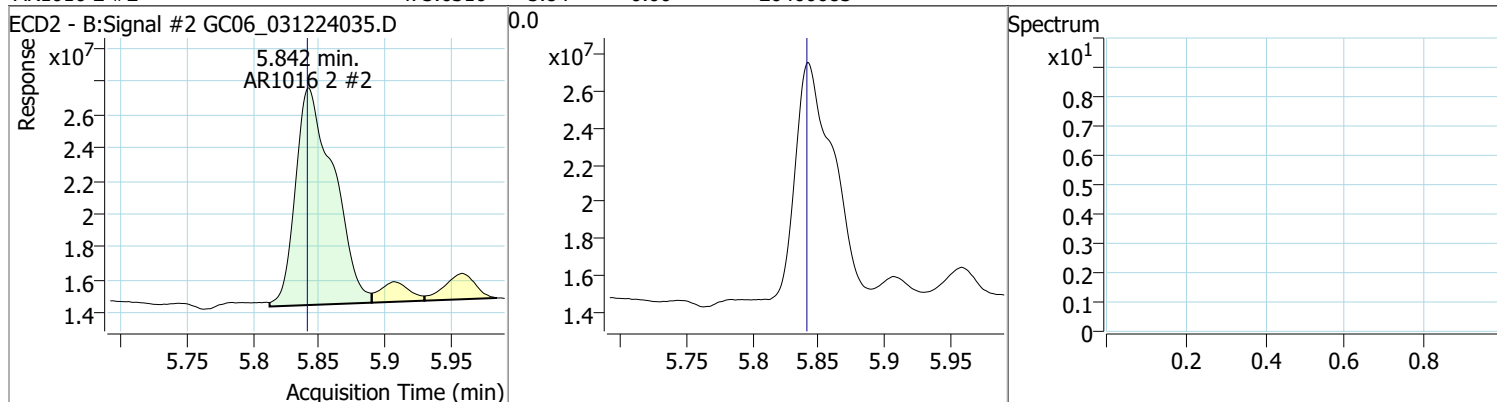
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 446.8814 | 5.45 | 0.00     | 12264909 |      |        |       |       |



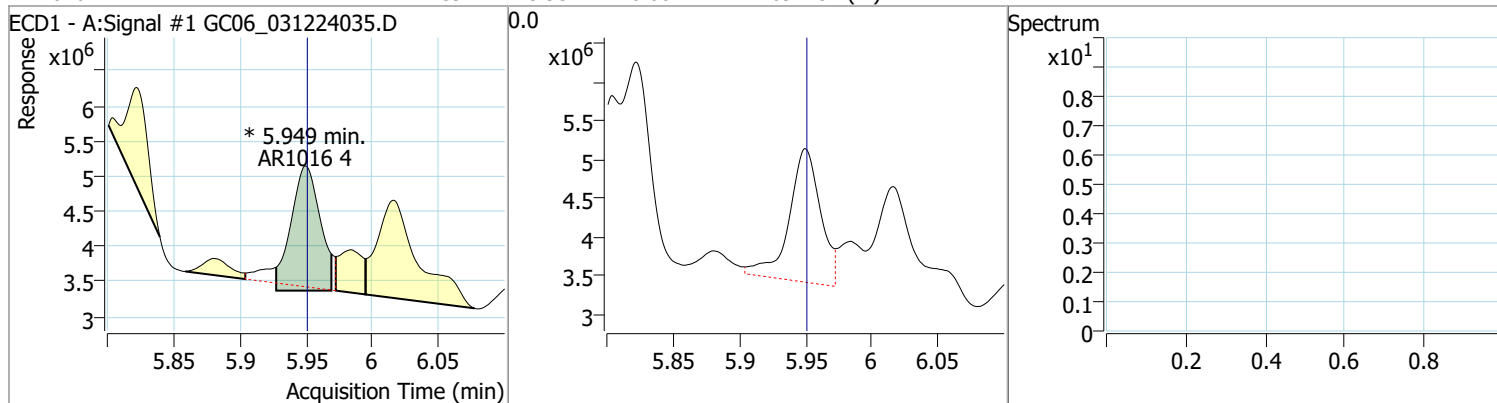
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 611.3714 | 5.82 | 0.00     | 3703619 (m) |      |        |       |       |



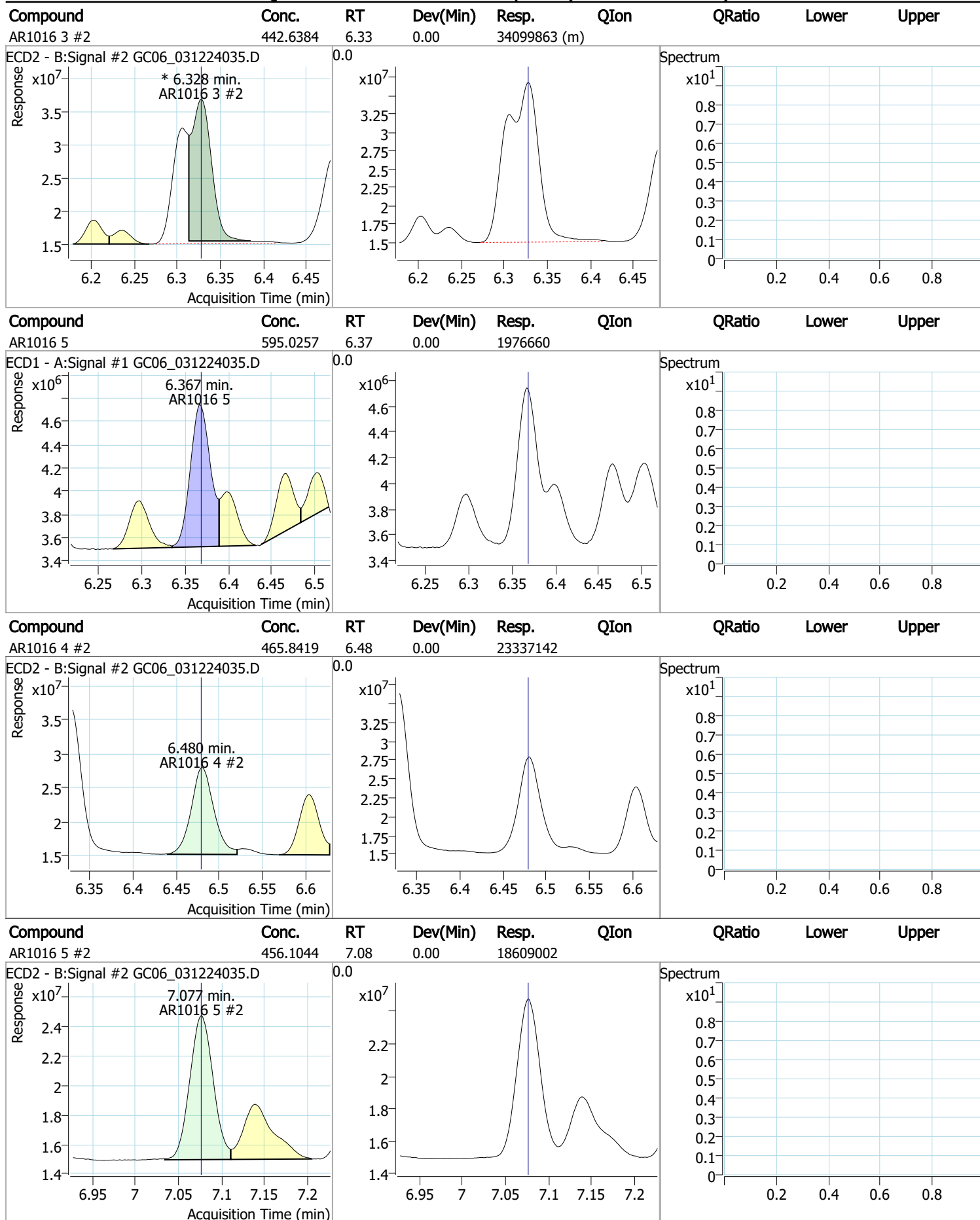
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 473.6310 | 5.84 | 0.00     | 26460083 |      |        |       |       |



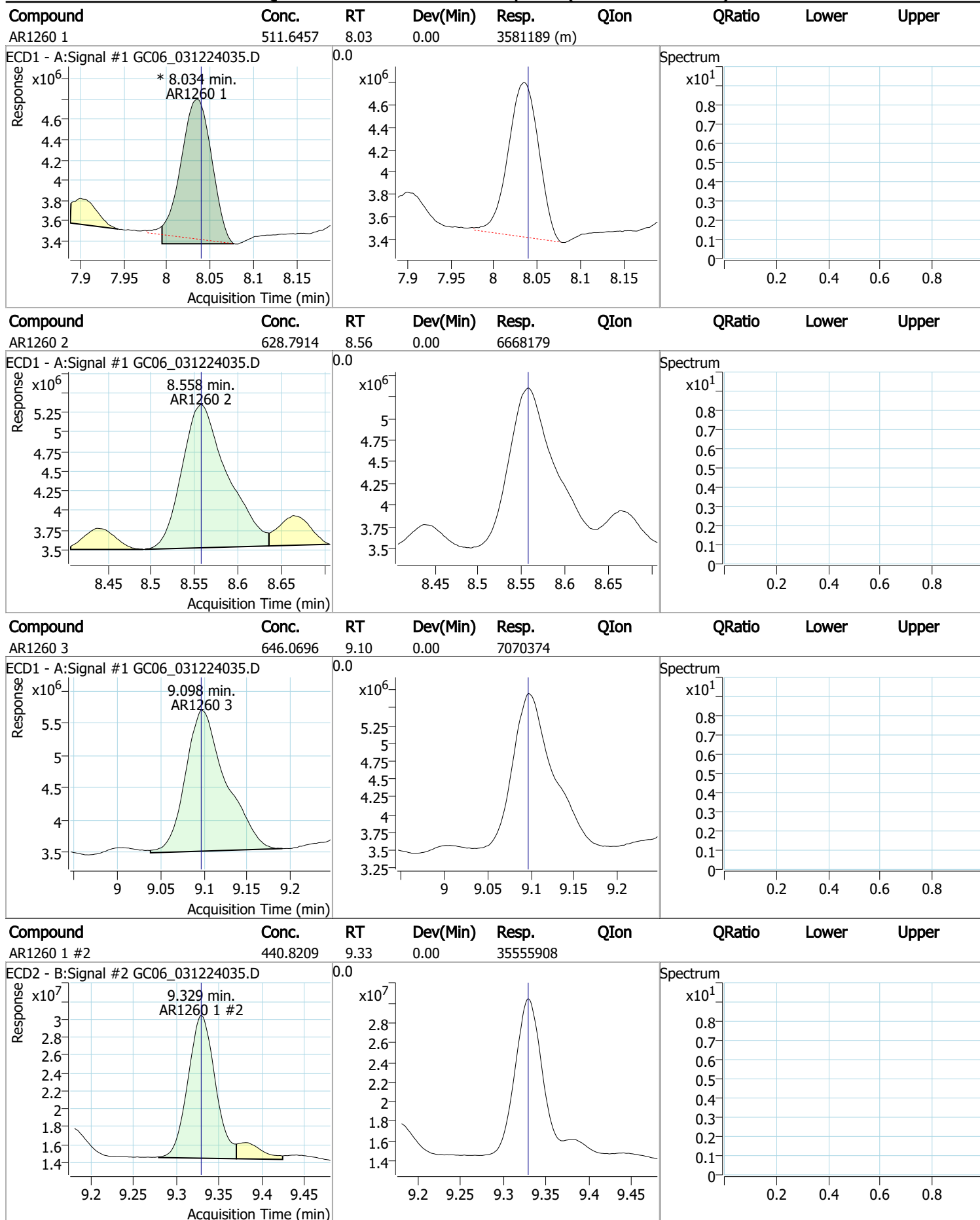
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 4 | 742.5977 | 5.95 | 0.00     | 2692452 (m) |      |        |       |       |



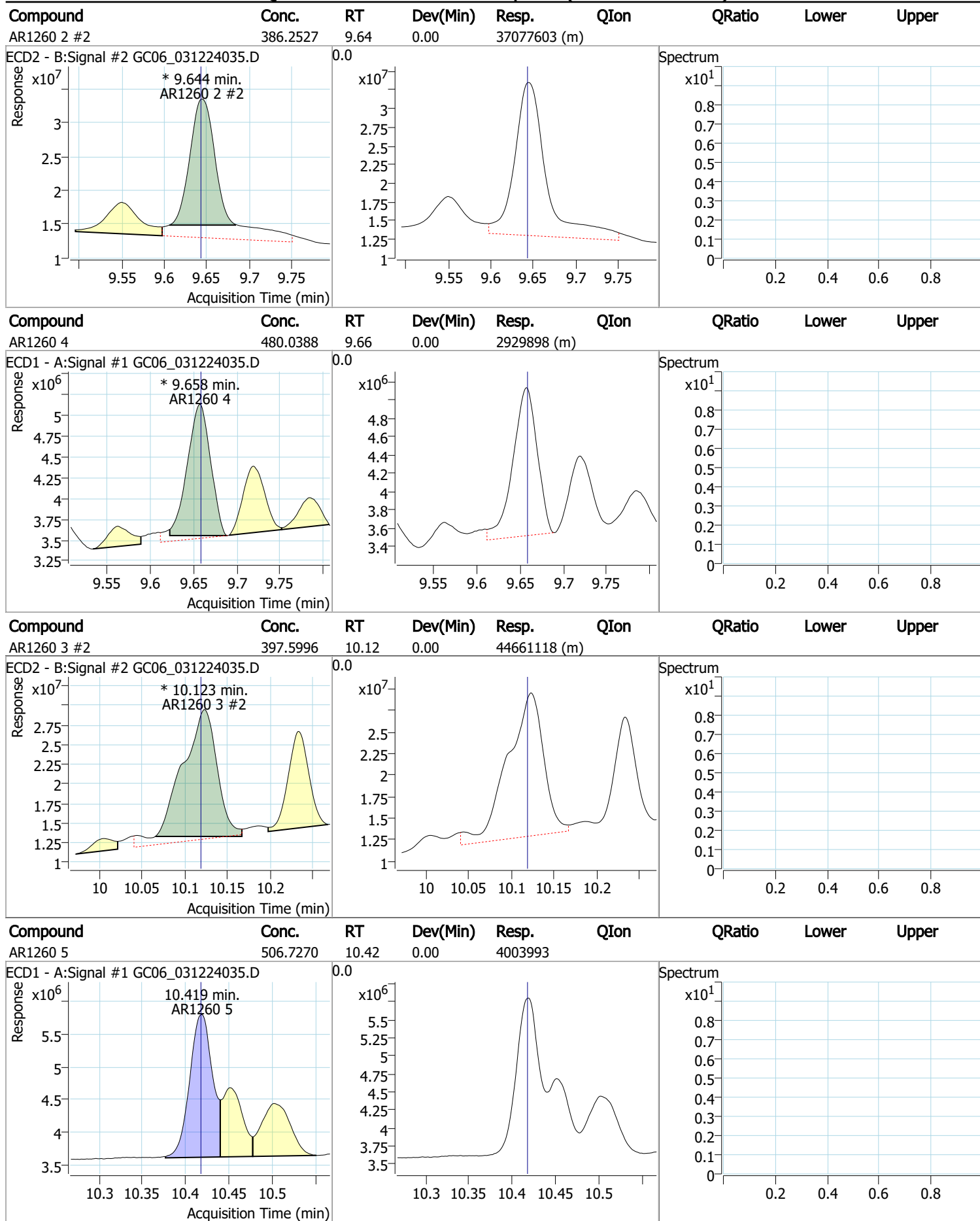
# Quantitation Results Report (Not Reviewed)



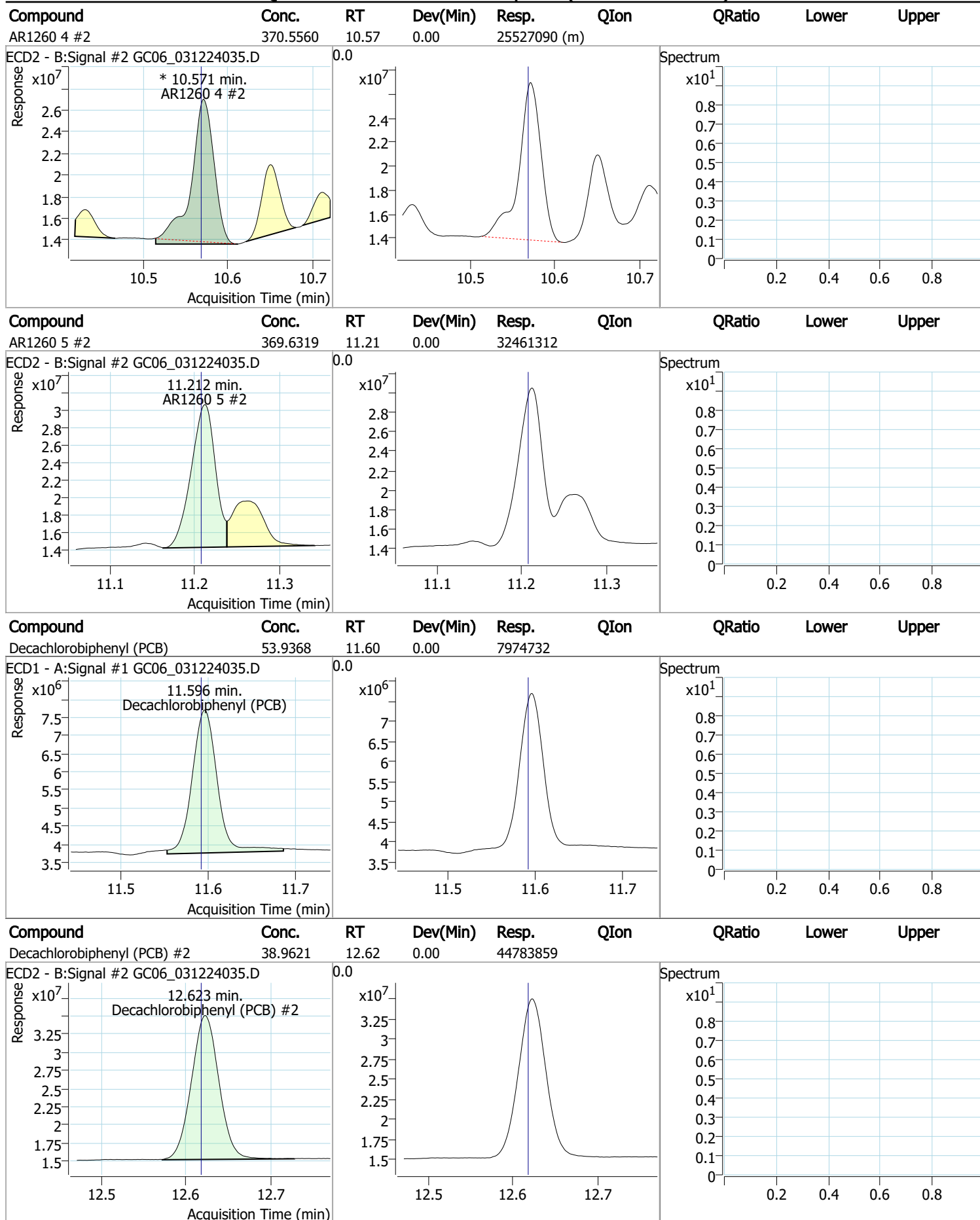
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

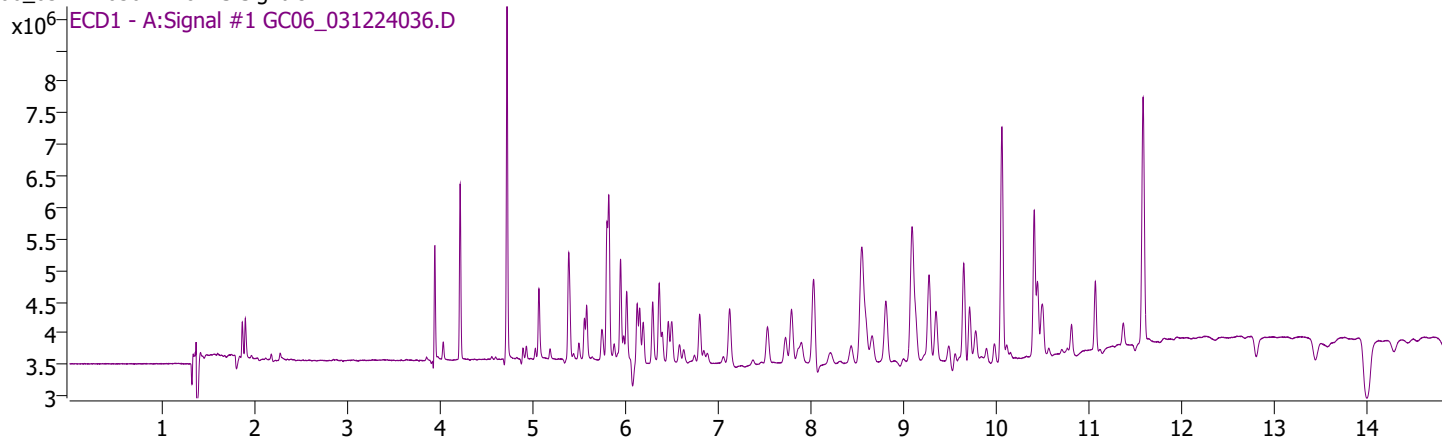


# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_031224036.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 12:28:00 PM |
| Sample Name    | QC1135513, 335088, 1    | Instrument        | SVOA-GC06             |
| Vial           | 102                     | Multiplier        | 1.00                  |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | WIPE/ dm2-10ML        |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM   |
| Ref Library    |                         |                   |                       |

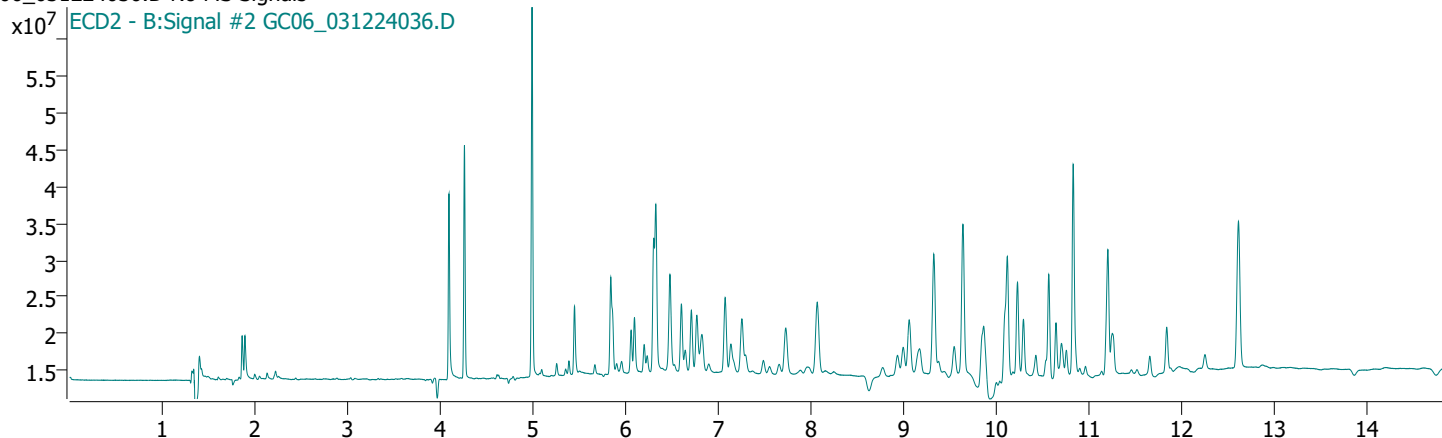
GC06\_031224036.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_031224036.D



GC06\_031224036.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_031224036.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.942                | 0.0  | 2113542.62<br>5  | 20.0000            | ng/ml | -0.002   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.095                | 0.0  | 32758257.5<br>99 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.722                | 0.0  | 6095656.80<br>8  | 58.4410            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 292.21% | *     |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 56079325.4<br>74 | 37.2234            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 186.12% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.588               | 0.0  | 7824018.65<br>8  | 56.2121            | ng/ml | -0.003   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 281.06% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.617               | 0.0  | 46740928.3<br>58 | 34.2883            | ng/ml | -0.005   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 171.44% | *     |          |

## Target Compounds

QValue

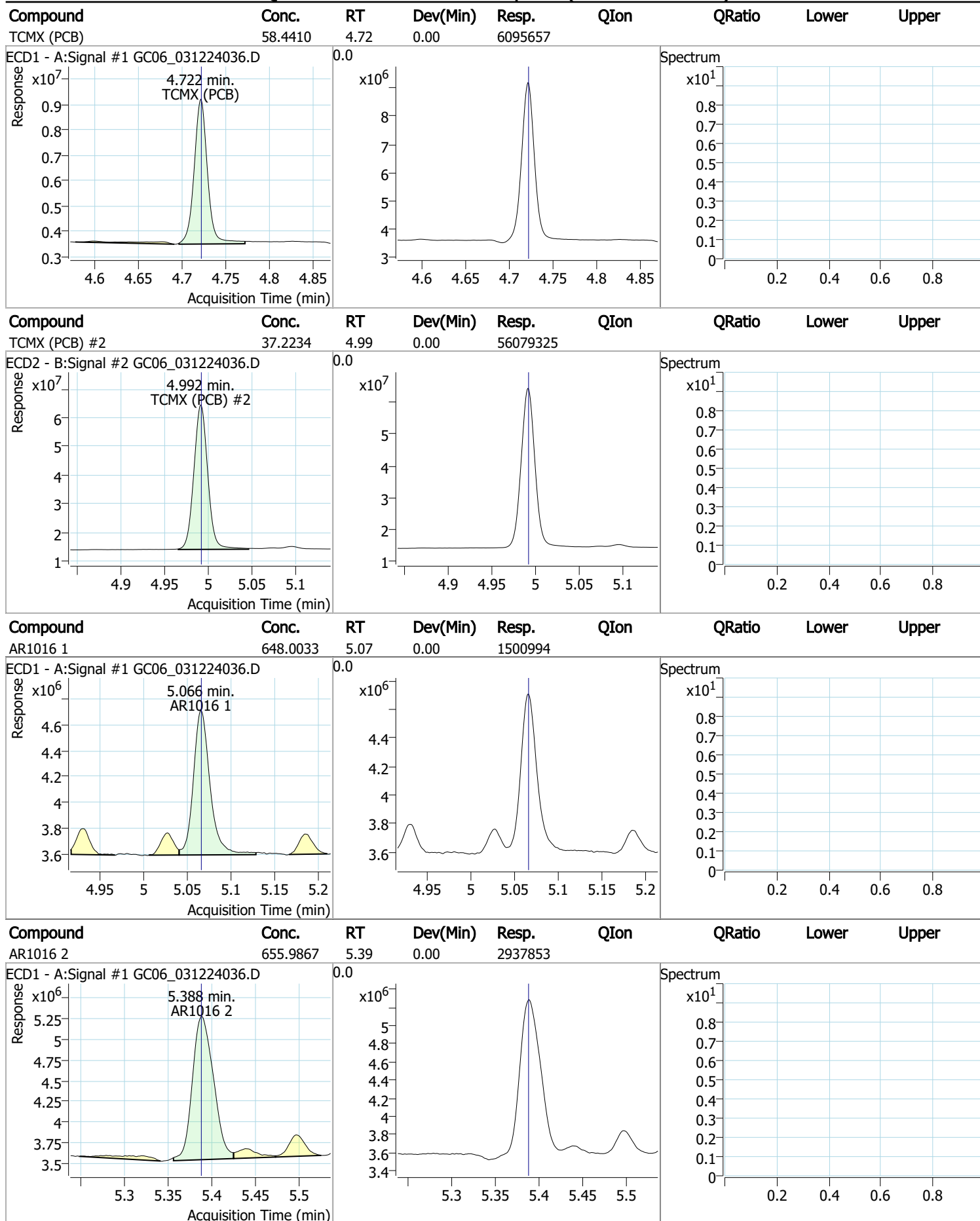
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.066  | 0.0  | 1500993.89<br>5  | 648.0033 | ng/ml   | 100      |
| T AR1016 2    | 5.388  | 0.0  | 2937852.52<br>9  | 655.9867 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.450  | 0.0  | 12049276.6<br>84 | 370.1832 | ng/ml   | 100      |
| T AR1016 3    | 5.819  | 0.0  | 3565151.47<br>2  | 625.1544 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.842  | 0.0  | 26809633.3<br>62 | 404.6389 | ng/ml   | 100      |
| T AR1016 4    | 5.947  | 0.0  | 2672387.77<br>3  | 782.9527 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.328  | 0.0  | 36407041.0<br>62 | 398.4828 | ng/ml m | 100      |
| T AR1016 5    | 6.364  | 0.0  | 2003497.00<br>4  | 640.6530 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.480  | 0.0  | 23761447.2<br>32 | 399.9370 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.076  | 0.0  | 19235574.6<br>21 | 397.5339 | ng/ml   | 100      |
| T AR1260 1    | 8.031  | 0.0  | 3637366.10<br>7  | 552.0259 | ng/ml m | 100      |
| T AR1260 2    | 8.551  | 0.0  | 6827983.30<br>0  | 683.9467 | ng/ml   | 100      |
| T AR1260 3    | 9.093  | 0.0  | 7127853.02<br>4  | 691.8726 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.328  | 0.0  | 35456166.0<br>72 | 370.6551 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.643  | 0.0  | 39640297.1<br>50 | 348.1966 | ng/ml m | 100      |
| T AR1260 4    | 9.652  | 0.0  | 3005135.27<br>7  | 523.0200 | ng/ml m | 100      |
| T AR1260 3 #2 | 10.122 | 0.0  | 46543533.0<br>00 | 349.3844 | ng/ml m | 100      |
| T AR1260 5    | 10.413 | 0.0  | 4076878.39<br>0  | 548.0737 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.569 | 0.0  | 26086906.5<br>75 | 319.3029 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.207 | 0.0  | 33658963.2<br>78 | 323.1706 | ng/ml   | 100      |

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

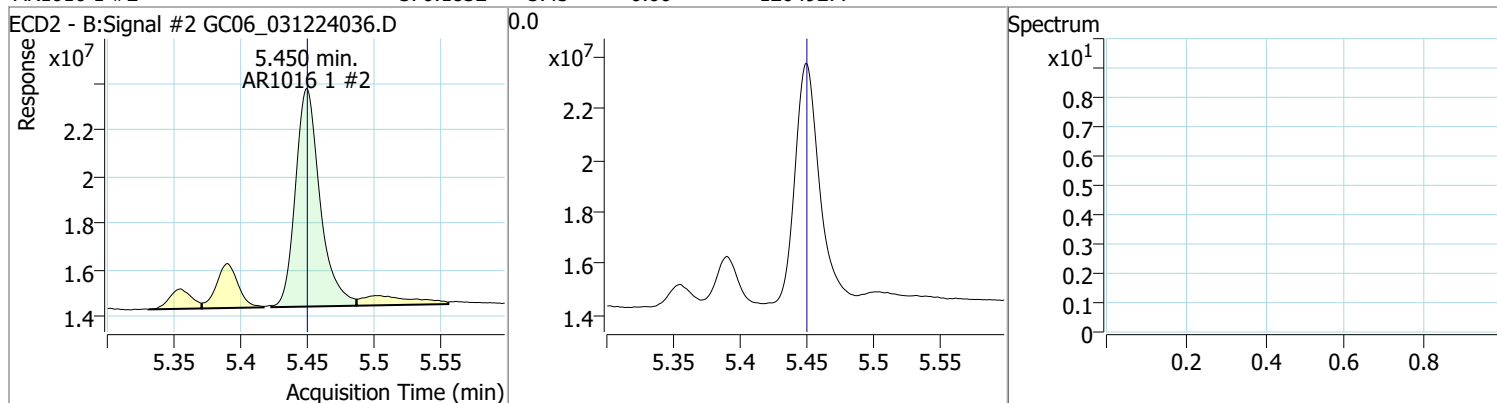


# Quantitation Results Report (Not Reviewed)

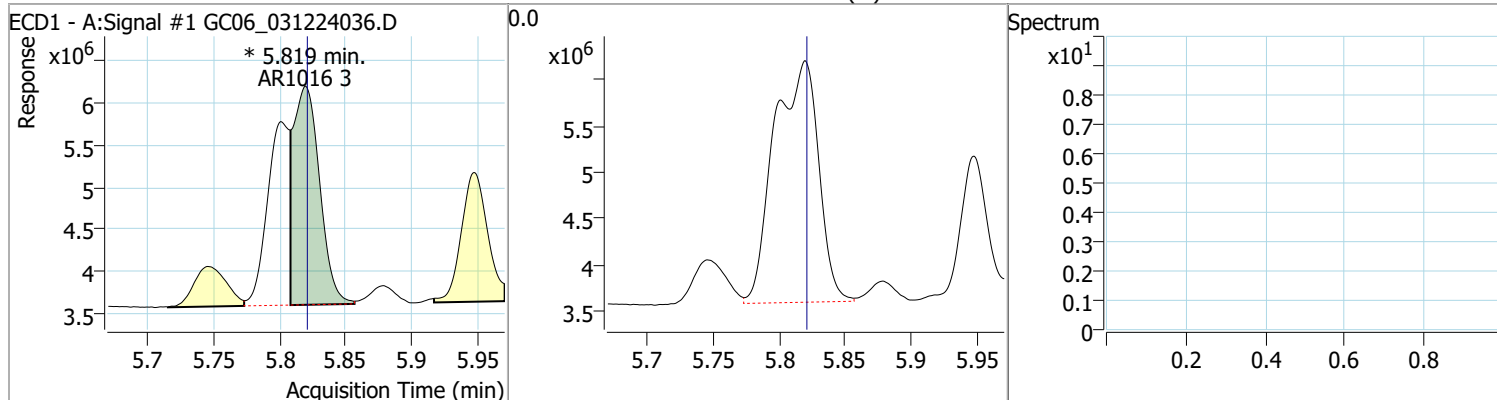


# Quantitation Results Report (Not Reviewed)

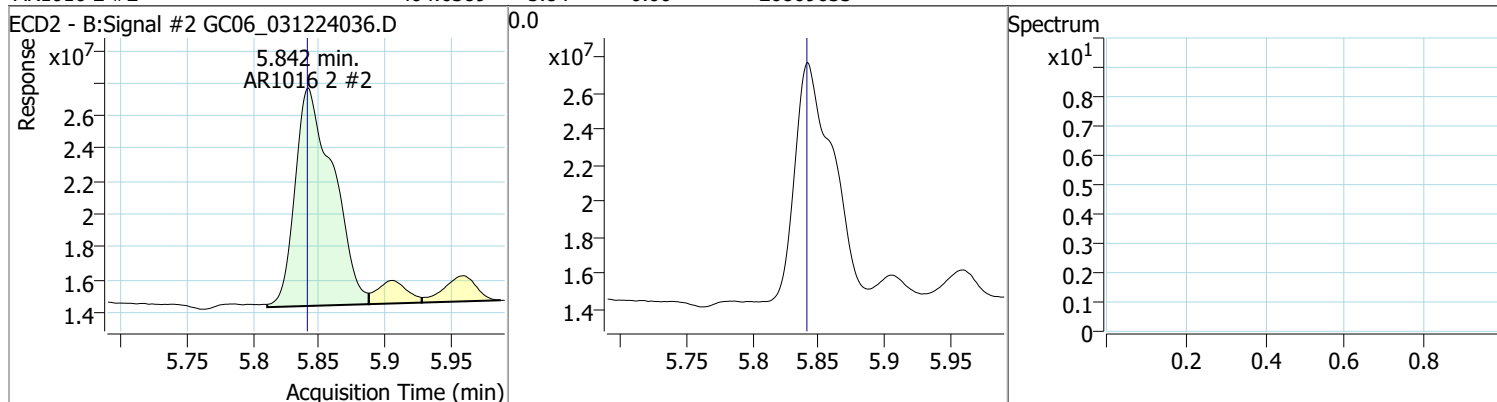
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 370.1832 | 5.45 | 0.00     | 12049277 |      |        |       |       |



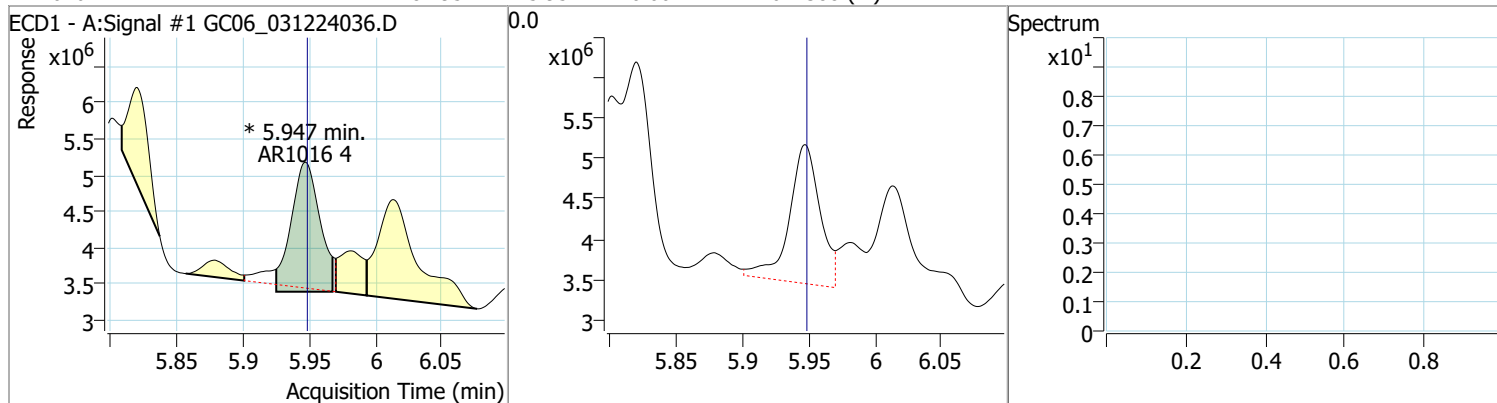
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 625.1544 | 5.82 | 0.00     | 3565151 (m) |      |        |       |       |



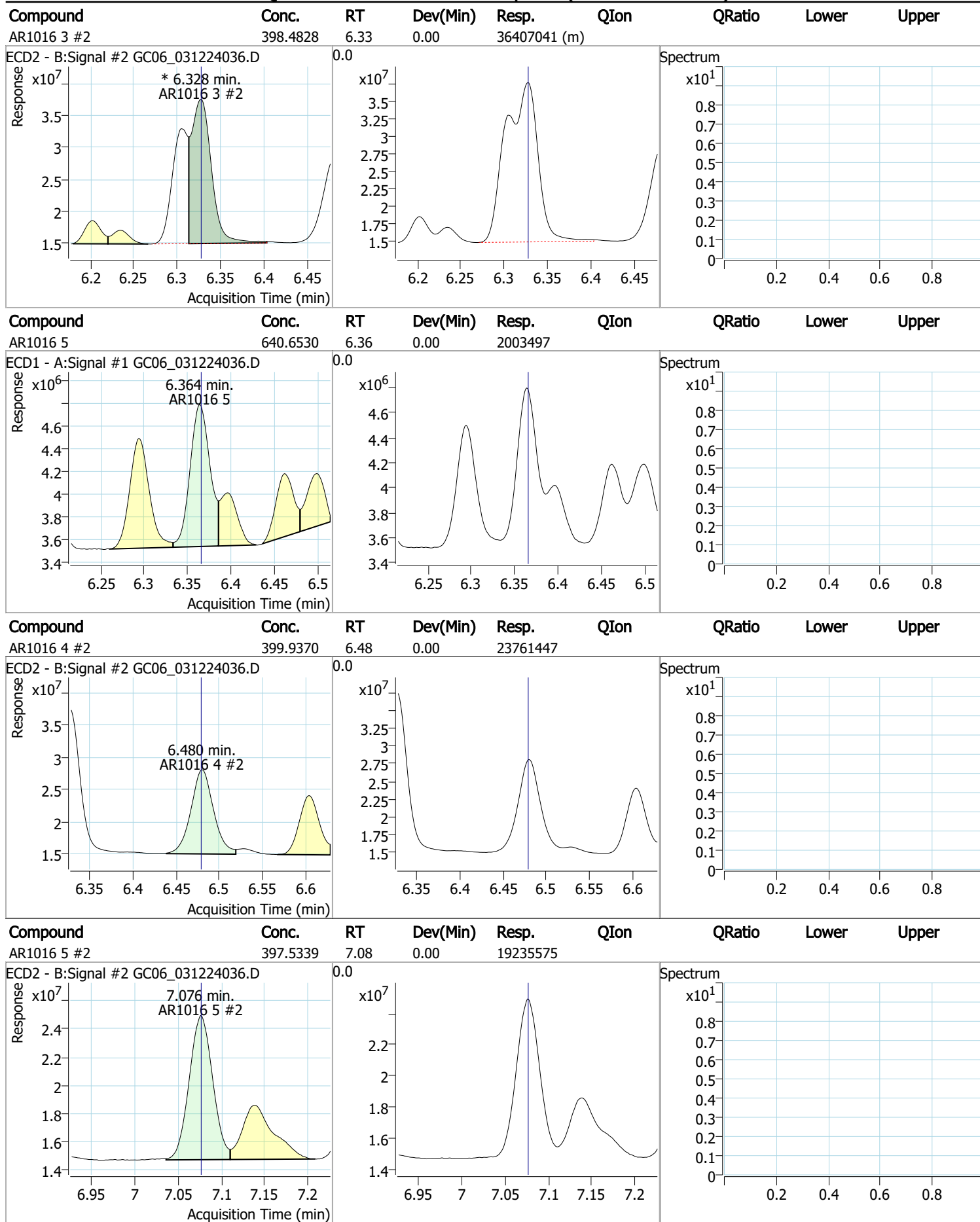
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 404.6389 | 5.84 | 0.00     | 26809633 |      |        |       |       |



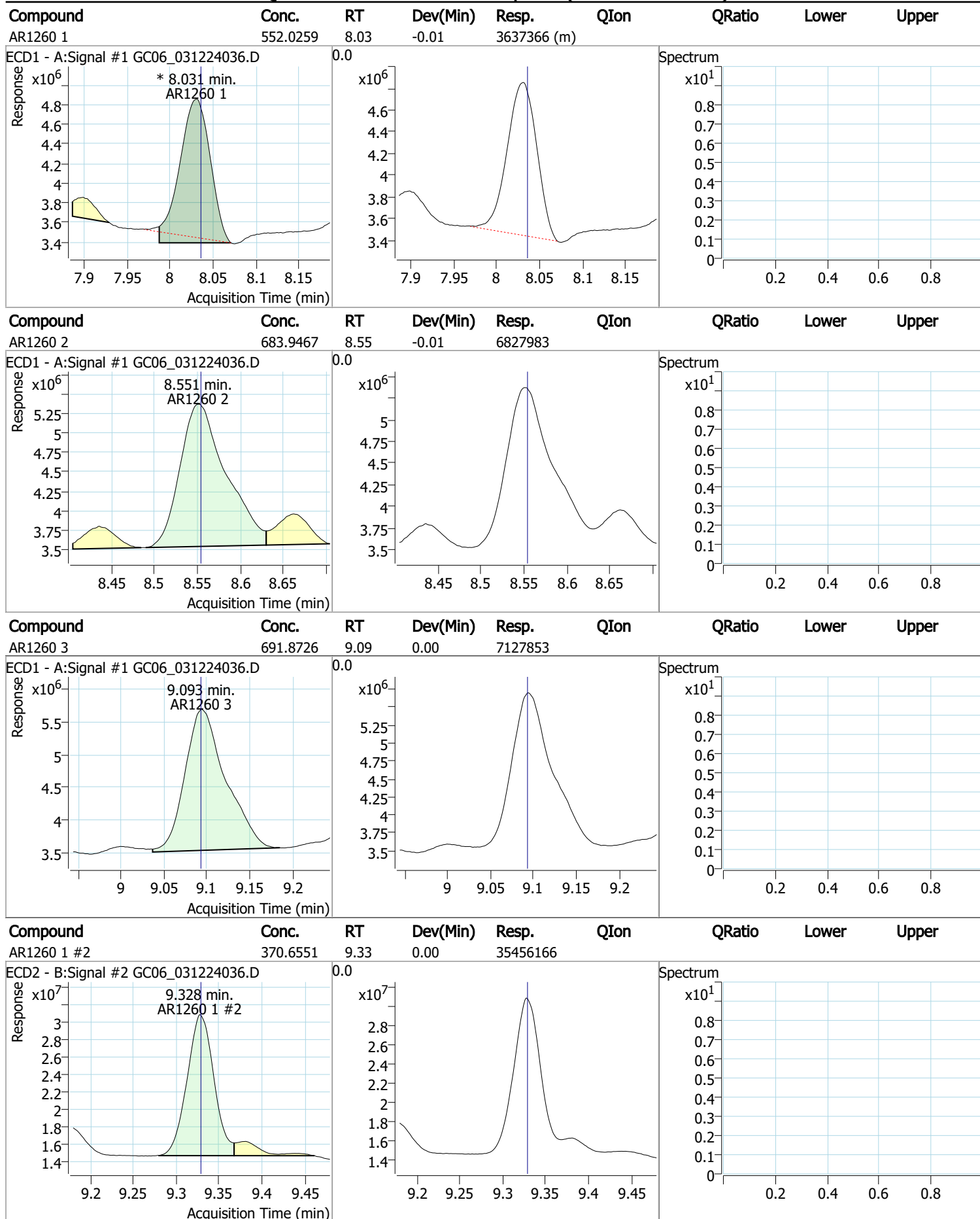
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 4 | 782.9527 | 5.95 | 0.00     | 2672388 (m) |      |        |       |       |



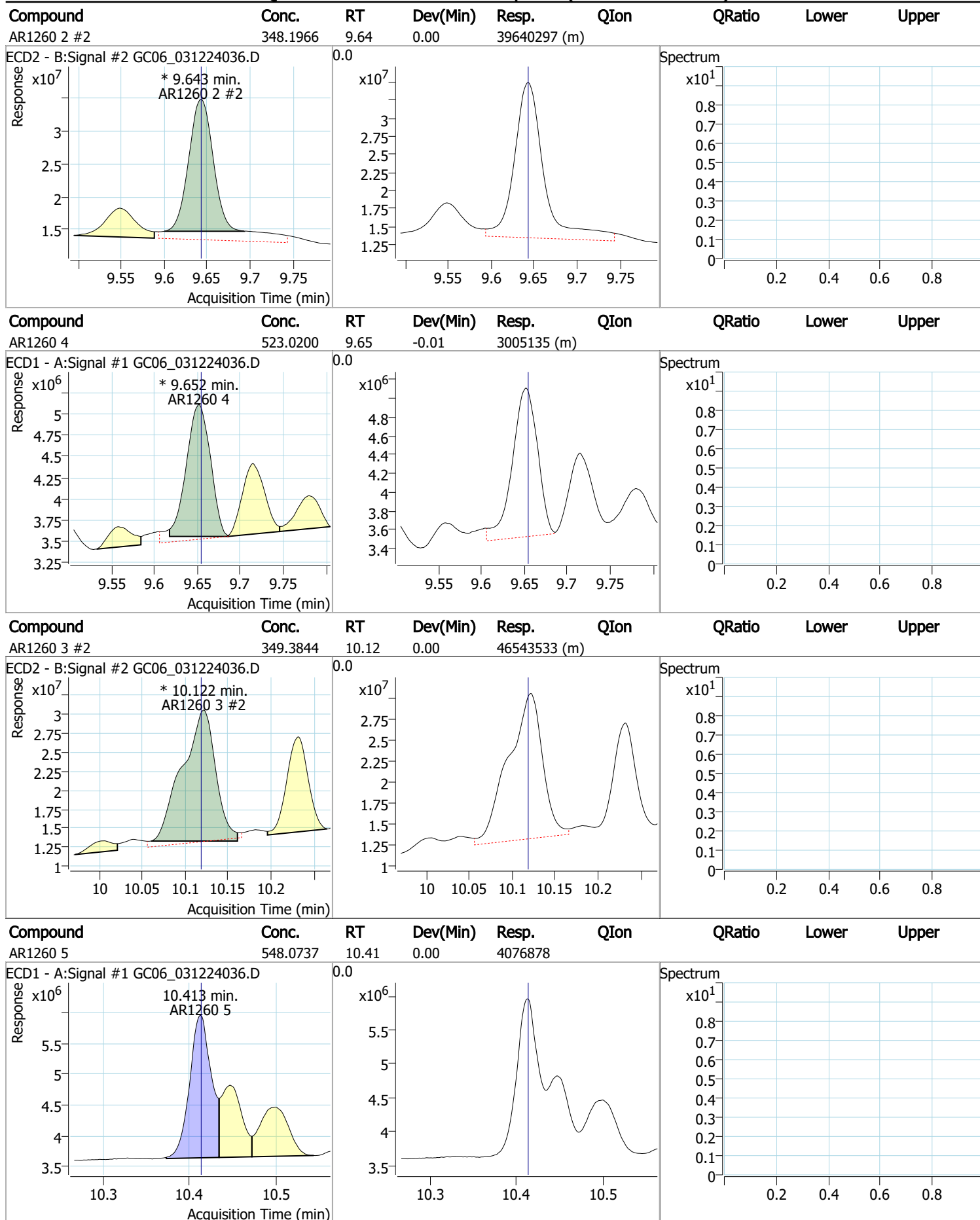
# Quantitation Results Report (Not Reviewed)



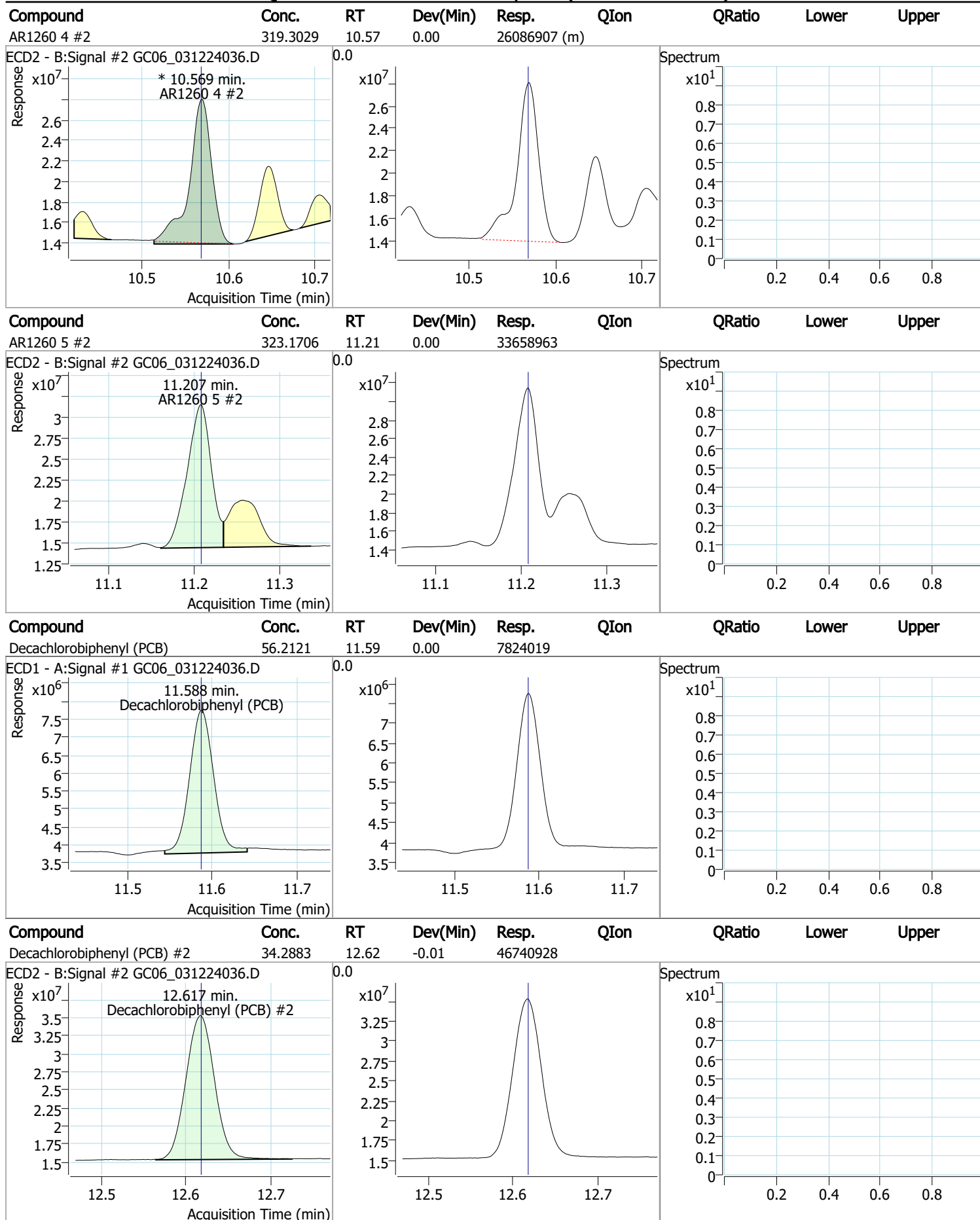
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



### **Initial Calibration Raw Data**

Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 X Axis: R

| Level | File           | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------------|--------------|-----------|-------------------|-----------|
| L1    | gc06_030724010 | 454097020010 |           | 07-MAR-2024 13:53 | S19330    |
| L2    | gc06_030724011 | 454097020011 |           | 07-MAR-2024 14:12 | S19332    |
| L3    | gc06_030724012 | 454097020012 |           | 07-MAR-2024 14:33 | S19333    |
| L4    | gc06_030724013 | 454097020013 |           | 07-MAR-2024 14:53 | S19335    |
| L5    | gc06_030724014 | 454097020014 |           | 07-MAR-2024 15:13 | S19340    |
| L6    | gc06_030724015 | 454097020015 |           | 07-MAR-2024 15:32 | S19336    |
| L7    | gc06_030724016 | 454097020016 |           | 07-MAR-2024 15:53 | S19337    |
| L8    | gc06_030724017 | 454097020017 |           | 07-MAR-2024 16:13 | S19338    |
| L9    | gc06_030724018 | 454097020018 |           | 07-MAR-2024 16:32 | S19339    |

| Analyte                  | Ch | Type | a0 | a1      | a2 | Avg RF | %RSD | n | Min r <sup>2</sup> | Max %RSD | Flags |
|--------------------------|----|------|----|---------|----|--------|------|---|--------------------|----------|-------|
| Aroclor-1016 Peak # 1    | A  | AVRG |    | 45.6225 |    | 0.0219 | 12   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | A  | AVRG |    | 23.5964 |    | 0.0424 | 12   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | A  | AVRG |    | 18.5306 |    | 0.0540 | 9    | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | A  | AVRG |    | 30.9611 |    | 0.0323 | 11   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | A  | AVRG |    | 33.7921 |    | 0.0296 | 10   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | A  | AVRG |    | 16.0381 |    | 0.0624 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | A  | AVRG |    | 10.5855 |    | 0.0945 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | A  | AVRG |    | 10.2577 |    | 0.0975 | 10   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | A  | AVRG |    | 18.3923 |    | 0.0544 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | A  | AVRG |    | 14.2067 |    | 0.0704 | 10   | 9 | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | A  | AVRG |    | 0.75924 |    | 1.3171 | 12   | 9 | .99                | 20       |       |
| TCMX (PCB)               | A  | AVRG |    | 1.01316 |    | 0.9870 | 10   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 1    | B  | AVRG |    | 50.3207 |    | 0.0199 | 13   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | B  | AVRG |    | 24.7211 |    | 0.0405 | 16   | 8 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | B  | AVRG |    | 17.9273 |    | 0.0558 | 15   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | B  | AVRG |    | 27.5683 |    | 0.0363 | 12   | 9 | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | B  | AVRG |    | 33.8501 |    | 0.0295 | 11   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | B  | AVRG |    | 17.1226 |    | 0.0584 | 17   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | B  | AVRG |    | 14.3873 |    | 0.0695 | 18   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | B  | AVRG |    | 12.2952 |    | 0.0813 | 14   | 9 | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | B  | AVRG |    | 20.0480 |    | 0.0499 | 15   | 8 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | B  | AVRG |    | 15.7261 |    | 0.0636 | 12   | 8 | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | B  | AVRG |    | 1.20154 |    | 0.8323 | 14   | 9 | .99                | 20       |       |
| TCMX (PCB)               | B  | AVRG |    | 1.08719 |    | 0.9198 | 12   | 8 | .99                | 20       |       |



Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 X Axis: R

*Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × a2)*

*AVRG: Average response factor*

| Analyte                  | Ch | L1<br>RF | L2<br>RF | L3<br>RF | L4<br>RF | L5<br>RF | L6<br>RF | L7<br>RF | L8<br>RF | L9<br>RF |
|--------------------------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Aroclor-1016 Peak # 1    | A  | 0.0225   | 0.0250   | 0.0217   | 0.0217   | 0.0270   | 0.0207   | 0.0200   | 0.0194   | 0.0192   |
| Aroclor-1016 Peak # 2    | A  | 0.0465   | 0.0460   | 0.0437   | 0.0427   | 0.0520   | 0.0400   | 0.0377   | 0.0369   | 0.0361   |
| Aroclor-1016 Peak # 3    | A  | 0.0545   | 0.0591   | 0.0549   | 0.0542   | 0.0642   | 0.0512   | 0.0488   | 0.0489   | 0.0498   |
| Aroclor-1016 Peak # 4    | A  | 0.0365   | 0.0332   | 0.0321   | 0.0318   | 0.0393   | 0.0312   | 0.0294   | 0.0288   | 0.0285   |
| Aroclor-1016 Peak # 5    | A  | 0.0286   | 0.0297   | 0.0303   | 0.0301   | 0.0371   | 0.0292   | 0.0276   | 0.0270   | 0.0267   |
| Aroclor-1260 Peak # 1    | A  | 0.0645   | 0.0650   | 0.0638   | 0.0643   | 0.0765   | 0.0607   | 0.0571   | 0.0553   | 0.0538   |
| Aroclor-1260 Peak # 2    | A  | 0.0971   | 0.1006   | 0.0953   | 0.0958   | 0.1162   | 0.0930   | 0.0857   | 0.0846   | 0.0820   |
| Aroclor-1260 Peak # 3    | A  | 0.1077   | 0.0901   | 0.1001   | 0.0969   | 0.1190   | 0.0952   | 0.0903   | 0.0898   | 0.0884   |
| Aroclor-1260 Peak # 4    | A  | 0.0569   | 0.0555   | 0.0558   | 0.0546   | 0.0676   | 0.0528   | 0.0494   | 0.0489   | 0.0479   |
| Aroclor-1260 Peak # 5    | A  | 0.0757   | 0.0709   | 0.0678   | 0.0671   | 0.0860   | 0.0707   | 0.0647   | 0.0661   | 0.0644   |
| Decachlorobiphenyl (PCB) | A  | 1.5078   | 1.4049   | 1.3530   | 1.2793   | 1.5826   | 1.2215   | 1.2126   | 1.1379   | 1.1542   |
| TCMX (PCB)               | A  | 1.0126   | 0.9784   | 0.9553   | 0.9393   | 1.2278   | 0.9462   | 0.9190   | 0.9354   | 0.9691   |
| Aroclor-1016 Peak # 1    | B  | 0.0221   | 0.0215   | 0.0211   | 0.0199   | 0.0241   | 0.0188   | 0.0178   | 0.0172   | 0.0164   |
| Aroclor-1016 Peak # 2    | B  |          | 0.0494   | 0.0450   | 0.0416   | 0.0480   | 0.0379   | 0.0354   | 0.0340   | 0.0323   |
| Aroclor-1016 Peak # 3    | B  | 0.0667   | 0.0604   | 0.0622   | 0.0571   | 0.0652   | 0.0501   | 0.0476   | 0.0471   | 0.0457   |
| Aroclor-1016 Peak # 4    | B  | 0.0400   | 0.0393   | 0.0383   | 0.0366   | 0.0437   | 0.0346   | 0.0323   | 0.0313   | 0.0304   |
| Aroclor-1016 Peak # 5    | B  | 0.0294   | 0.0308   | 0.0319   | 0.0312   | 0.0357   | 0.0283   | 0.0271   | 0.0261   | 0.0254   |
| Aroclor-1260 Peak # 1    | B  | 0.0746   | 0.0678   | 0.0620   | 0.0579   | 0.0666   | 0.0526   | 0.0506   | 0.0473   | 0.0462   |
| Aroclor-1260 Peak # 2    | B  | 0.0902   | 0.0796   | 0.0760   | 0.0700   | 0.0779   | 0.0621   | 0.0602   | 0.0556   | 0.0538   |
| Aroclor-1260 Peak # 3    | B  | 0.0986   | 0.0887   | 0.0860   | 0.0795   | 0.0955   | 0.0750   | 0.0723   | 0.0688   | 0.0676   |
| Aroclor-1260 Peak # 4    | B  |          | 0.0590   | 0.0572   | 0.0492   | 0.0588   | 0.0468   | 0.0450   | 0.0415   | 0.0416   |
| Aroclor-1260 Peak # 5    | B  |          | 0.0680   | 0.0693   | 0.0658   | 0.0764   | 0.0611   | 0.0583   | 0.0554   | 0.0542   |
| Decachlorobiphenyl (PCB) | B  | 0.9502   | 0.9230   | 0.9302   | 0.8543   | 0.9752   | 0.7647   | 0.7377   | 0.6855   | 0.6696   |
| TCMX (PCB)               | B  |          | 1.0223   | 0.9890   | 0.9203   | 1.0983   | 0.8531   | 0.8186   | 0.8169   | 0.8398   |

Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 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 | 3  | 50.000 | 14 | 100.00 | -1 | 250.00 | -1 | 500.00 | 23 | 750.00 | -5  | 1000.0 | -9  | 1500.0 | -11 |
| Aroclor-1016 Peak # 2    | A  | 20.000 | 10 | 50.000 | 8  | 100.00 | 3  | 250.00 | 1  | 500.00 | 23 | 750.00 | -6  | 1000.0 | -11 | 1500.0 | -13 |
| Aroclor-1016 Peak # 3    | A  | 20.000 | 1  | 50.000 | 10 | 100.00 | 2  | 250.00 | 0  | 500.00 | 19 | 750.00 | -5  | 1000.0 | -10 | 1500.0 | -9  |
| Aroclor-1016 Peak # 4    | A  | 20.000 | 13 | 50.000 | 3  | 100.00 | -1 | 250.00 | -2 | 500.00 | 22 | 750.00 | -4  | 1000.0 | -9  | 1500.0 | -11 |
| Aroclor-1016 Peak # 5    | A  | 20.000 | -3 | 50.000 | 0  | 100.00 | 3  | 250.00 | 2  | 500.00 | 25 | 750.00 | -1  | 1000.0 | -7  | 1500.0 | -9  |
| Aroclor-1260 Peak # 1    | A  | 20.000 | 3  | 50.000 | 4  | 100.00 | 2  | 250.00 | 3  | 500.00 | 23 | 750.00 | -3  | 1000.0 | -8  | 1500.0 | -11 |
| Aroclor-1260 Peak # 2    | A  | 20.000 | 3  | 50.000 | 7  | 100.00 | 1  | 250.00 | 1  | 500.00 | 23 | 750.00 | -2  | 1000.0 | -9  | 1500.0 | -10 |
| Aroclor-1260 Peak # 3    | A  | 20.000 | 11 | 50.000 | -8 | 100.00 | 3  | 250.00 | -1 | 500.00 | 22 | 750.00 | -2  | 1000.0 | -7  | 1500.0 | -8  |
| Aroclor-1260 Peak # 4    | A  | 20.000 | 5  | 50.000 | 2  | 100.00 | 3  | 250.00 | 0  | 500.00 | 24 | 750.00 | -3  | 1000.0 | -9  | 1500.0 | -10 |
| Aroclor-1260 Peak # 5    | A  | 20.000 | 7  | 50.000 | 1  | 100.00 | -4 | 250.00 | -5 | 500.00 | 22 | 750.00 | 0   | 1000.0 | -8  | 1500.0 | -6  |
| Decachlorobiphenyl (PCB) | A  | 1.6000 | 14 | 4.0000 | 7  | 8.0000 | 3  | 20.000 | -3 | 40.000 | 20 | 60.000 | -7  | 80.000 | -8  | 120.00 | -14 |
| TCMX (PCB)               | A  | 1.6000 | 3  | 4.0000 | -1 | 8.0000 | -3 | 20.000 | -5 | 40.000 | 24 | 60.000 | -4  | 80.000 | -7  | 120.00 | -5  |
| Aroclor-1016 Peak # 1    | B  | 20.000 | 11 | 50.000 | 8  | 100.00 | 6  | 250.00 | 0  | 500.00 | 21 | 750.00 | -5  | 1000.0 | -11 | 1500.0 | -14 |
| Aroclor-1016 Peak # 2    | B  |        |    | 50.000 | 22 | 100.00 | 11 | 250.00 | 3  | 500.00 | 19 | 750.00 | -6  | 1000.0 | -12 | 1500.0 | -16 |
| Aroclor-1016 Peak # 3    | B  | 20.000 | 20 | 50.000 | 8  | 100.00 | 12 | 250.00 | 2  | 500.00 | 17 | 750.00 | -10 | 1000.0 | -15 | 1500.0 | -16 |
| Aroclor-1016 Peak # 4    | B  | 20.000 | 10 | 50.000 | 8  | 100.00 | 6  | 250.00 | 1  | 500.00 | 21 | 750.00 | -5  | 1000.0 | -11 | 1500.0 | -14 |
| Aroclor-1016 Peak # 5    | B  | 20.000 | -1 | 50.000 | 4  | 100.00 | 8  | 250.00 | 6  | 500.00 | 21 | 750.00 | -4  | 1000.0 | -8  | 1500.0 | -12 |
| Aroclor-1260 Peak # 1    | B  | 20.000 | 28 | 50.000 | 16 | 100.00 | 6  | 250.00 | -1 | 500.00 | 14 | 750.00 | -10 | 1000.0 | -13 | 1500.0 | -19 |
| Aroclor-1260 Peak # 2    | B  | 20.000 | 30 | 50.000 | 14 | 100.00 | 9  | 250.00 | 1  | 500.00 | 12 | 750.00 | -11 | 1000.0 | -13 | 1500.0 | -20 |
| Aroclor-1260 Peak # 3    | B  | 20.000 | 21 | 50.000 | 9  | 100.00 | 6  | 250.00 | -2 | 500.00 | 17 | 750.00 | -8  | 1000.0 | -11 | 1500.0 | -15 |
| Aroclor-1260 Peak # 4    | B  |        |    | 50.000 | 18 | 100.00 | 15 | 250.00 | -1 | 500.00 | 18 | 750.00 | -6  | 1000.0 | -10 | 1500.0 | -17 |
| Aroclor-1260 Peak # 5    | B  |        |    | 50.000 | 7  | 100.00 | 9  | 250.00 | 3  | 500.00 | 20 | 750.00 | -4  | 1000.0 | -8  | 1500.0 | -13 |
| Decachlorobiphenyl (PCB) | B  | 1.6000 | 14 | 4.0000 | 11 | 8.0000 | 12 | 20.000 | 3  | 40.000 | 17 | 60.000 | -8  | 80.000 | -11 | 120.00 | -18 |
| TCMX (PCB)               | B  |        |    | 4.0000 | 11 | 8.0000 | 8  | 20.000 | 0  | 40.000 | 19 | 60.000 | -7  | 80.000 | -11 | 120.00 | -11 |

Instrument: SVOA-GC06  
 Calibration #: 454097020001  
 Units: ug/L

Name: PCB\_608\_030724\_1  
 Date: 07-MAR-2024 13:33  
 X Axis: R

| Spiked Amounts / Drifts  | Ch | L9     | %D         |
|--------------------------|----|--------|------------|
| Aroclor-1016 Peak # 1    | A  | 2000.0 | -12        |
| Aroclor-1016 Peak # 2    | A  | 2000.0 | -15        |
| Aroclor-1016 Peak # 3    | A  | 2000.0 | -8         |
| Aroclor-1016 Peak # 4    | A  | 2000.0 | -12        |
| Aroclor-1016 Peak # 5    | A  | 2000.0 | -10        |
| Aroclor-1260 Peak # 1    | A  | 2000.0 | -14        |
| Aroclor-1260 Peak # 2    | A  | 2000.0 | -13        |
| Aroclor-1260 Peak # 3    | A  | 2000.0 | -9         |
| Aroclor-1260 Peak # 4    | A  | 2000.0 | -12        |
| Aroclor-1260 Peak # 5    | A  | 2000.0 | -8         |
| Decachlorobiphenyl (PCB) | A  | 160.00 | -12        |
| TCMX (PCB)               | A  | 160.00 | -2         |
| Aroclor-1016 Peak # 1    | B  | 2000.0 | -18        |
| Aroclor-1016 Peak # 2    | B  | 2000.0 | -20        |
| Aroclor-1016 Peak # 3    | B  | 2000.0 | -18        |
| Aroclor-1016 Peak # 4    | B  | 2000.0 | -16        |
| Aroclor-1016 Peak # 5    | B  | 2000.0 | -14        |
| Aroclor-1260 Peak # 1    | B  | 2000.0 | <b>-21</b> |
| Aroclor-1260 Peak # 2    | B  | 2000.0 | <b>-23</b> |
| Aroclor-1260 Peak # 3    | B  | 2000.0 | -17        |
| Aroclor-1260 Peak # 4    | B  | 2000.0 | -17        |
| Aroclor-1260 Peak # 5    | B  | 2000.0 | -15        |
| Decachlorobiphenyl (PCB) | B  | 160.00 | -20        |
| TCMX (PCB)               | B  | 160.00 | -9         |

TRN 03/07/24 : manually integrated for coeluting peak, negative/tailing peak and automatic draw baseline for one/both columns on multiple levels

**Analyst:** TRN 03/07/24

**Reviewer:** MTS 03/08/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504073 PCBS Wipe  
EPA 8082

Inst: SVOA-GC06  
Calnum: 454097020001

Name: PCB\_608\_030724\_1  
Cal Date: 07-MAR-2024

- ICV 454097020020 (gc06\_030724020 07-MAR-2024) stds: S19897

| Analyte      | Ch | Spiked | Quant | Units | %D  | Max | Flags |
|--------------|----|--------|-------|-------|-----|-----|-------|
| Aroclor-1016 | A  | 500.0  | 485.6 | ug/L  | -3  | 15  |       |
| Aroclor-1260 | A  | 500.0  | 457.4 | ug/L  | -9  | 15  |       |
| Aroclor-1016 | B  | 500.0  | 485.5 | ug/L  | -3  | 15  |       |
| Aroclor-1260 | B  | 500.0  | 447.2 | ug/L  | -11 | 15  |       |

•

**Analyst:** TRN 03/07/24

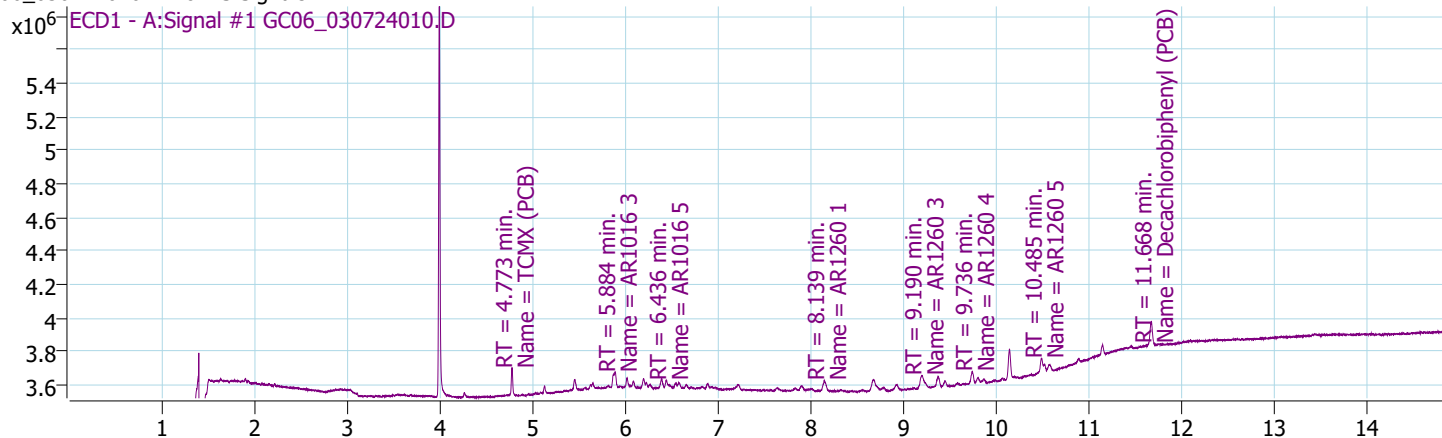
**Reviewer:** MTS 03/08/24

# Quantitation Results Report (Not Reviewed)

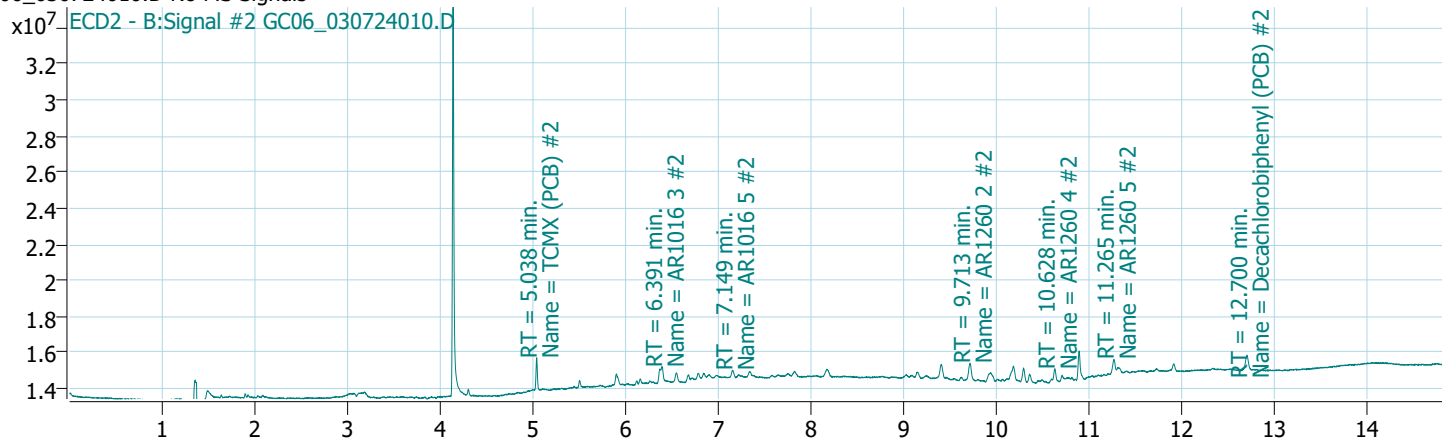
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 Vial 102  
 DA Method File PCB\_608\_030724\_GC06\_1.m  
 Tune File ATUNE.U  
 Batch Name 030724PCBICAL.batch.bin  
 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 1:53:01 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 20 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724010.D No MS Signals



GC06\_030724010.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.            | Units | Dev(Min)      |
|------------------------------------|----------------------|------|--------------|------------------|-------|---------------|
| <b>Internal Standards</b>          |                      |      |              |                  |       |               |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.988                | 0.0  | 2410999.051  | 20.0000          | ng/ml | 0.001         |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.137                | 0.0  | 24594822.809 | 20.0000          | ng/ml | 0.001         |
| <b>System Monitoring Compounds</b> |                      |      |              |                  |       |               |
| S TCMX (PCB)                       | 4.773                | 0.0  | 195313.087   | 1.6415           | ng/ml | 0.003         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 8.21% | *     |               |
| S TCMX (PCB) #2                    | 5.038                | 0.0  | 2145490.558  | 1.8968           | ng/ml | 0.002         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 9.48% | *     |               |
| S Decachlorobiphenyl (PCB)         | 11.668               | 0.0  | 290822.048   | 1.8316           | ng/ml | 0.007         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 9.16% | *     |               |
| S Decachlorobiphenyl (PCB) #2      | 12.700               | 0.0  | 1869609.239  | 1.8267           | ng/ml | 0.005         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 9.13% | *     |               |
| <b>Target Compounds</b>            |                      |      |              |                  |       |               |
| T AR1016 1                         | 5.123                | 0.0  | 54259.519    | 20.5347          | ng/ml | QValue<br>100 |

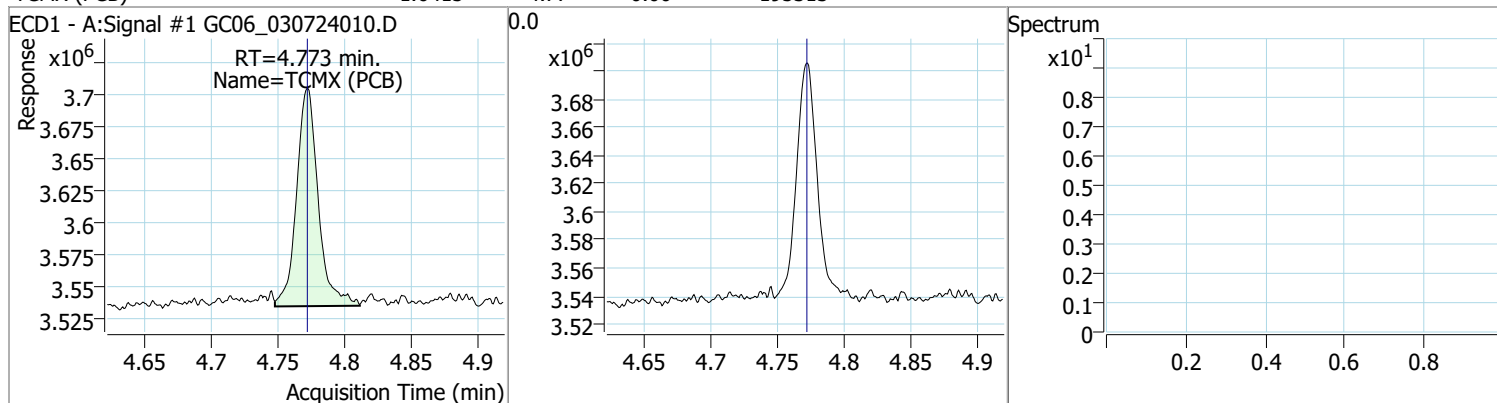
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.       | Conc.   | Units   | Dev(Min) |
|---------------|--------|------|-------------|---------|---------|----------|
| T AR1016 2    | 5.448  | 0.0  | 112193.312  | 21.9607 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.498  | 0.0  | 542488.122  | 22.1985 | ng/ml   | 100      |
| T AR1016 3    | 5.884  | 0.0  | 131508.465  | 20.2152 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.898  | 0.0  | 1602649.988 | 32.2176 | ng/ml m | 100      |
| T AR1016 4    | 6.015  | 0.0  | 87934.910   | 22.5845 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.391  | 0.0  | 1640707.036 | 23.9184 | ng/ml m | 100      |
| T AR1016 5    | 6.436  | 0.0  | 68961.178   | 19.3309 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.545  | 0.0  | 983211.378  | 22.0416 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.149  | 0.0  | 721980.081  | 19.8734 | ng/ml   | 100      |
| T AR1260 1    | 8.139  | 0.0  | 155584.127  | 20.6991 | ng/ml   | 100      |
| T AR1260 2    | 8.673  | 0.0  | 234005.054  | 20.5480 | ng/ml   | 100      |
| T AR1260 3    | 9.190  | 0.0  | 259783.718  | 22.1051 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.403  | 0.0  | 1834649.534 | 25.5451 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.713  | 0.0  | 2218838.485 | 25.9591 | ng/ml   | 100      |
| T AR1260 4    | 9.736  | 0.0  | 137218.666  | 20.9354 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.181 | 0.0  | 2425578.632 | 24.2514 | ng/ml   | 100      |
| T AR1260 5    | 10.485 | 0.0  | 182401.099  | 21.4957 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.628 | 0.0  | 1582130.375 | 0.0000  | ng/ml m | 100      |
| T AR1260 5 #2 | 11.265 | 0.0  | 1657384.079 | 0.0000  | ng/ml   | 100      |

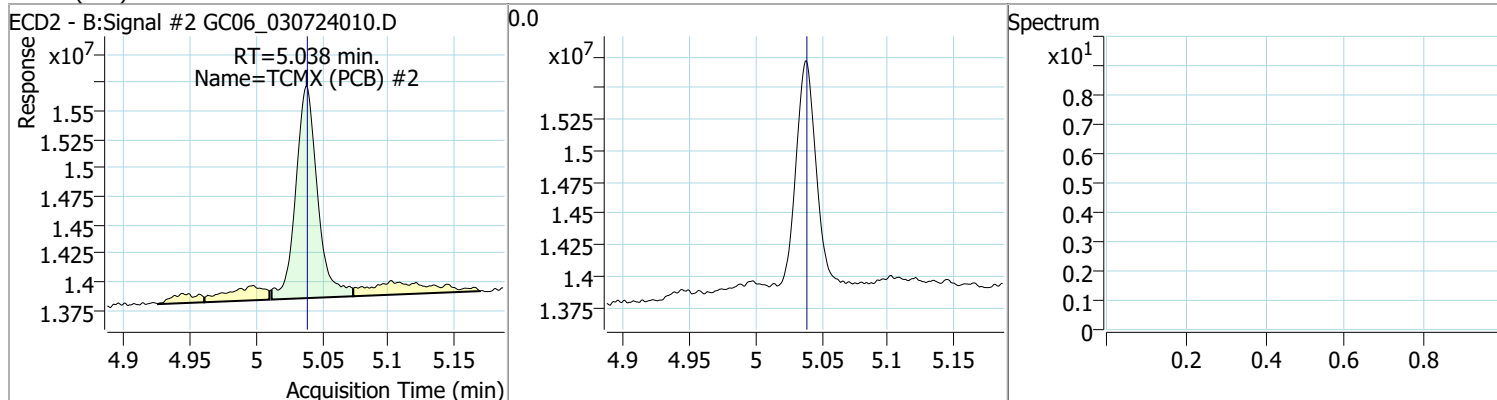
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

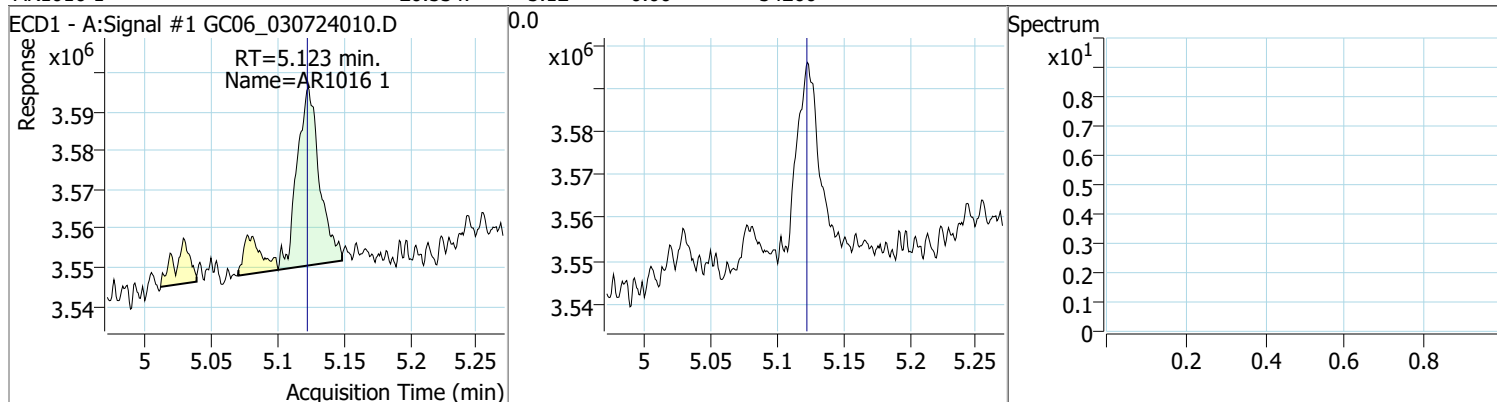
| Compound   | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|--------|------|--------|-------|-------|
| TCMX (PCB) | 1.6415 | 4.77 | 0.00     | 195313 |      |        |       |       |



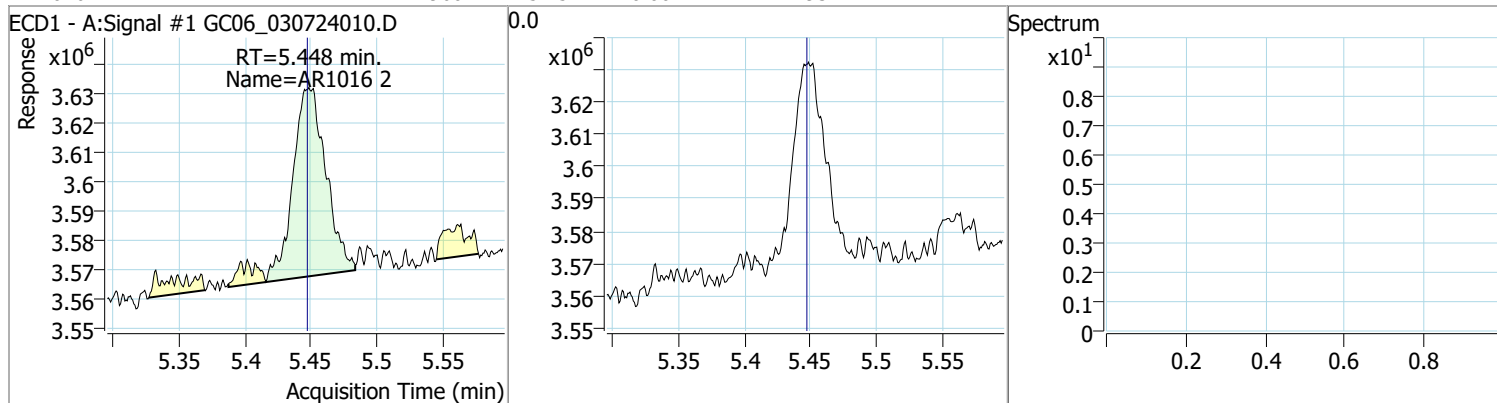
| Compound      | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) #2 | 1.8968 | 5.04 | 0.00     | 2145491 |      |        |       |       |



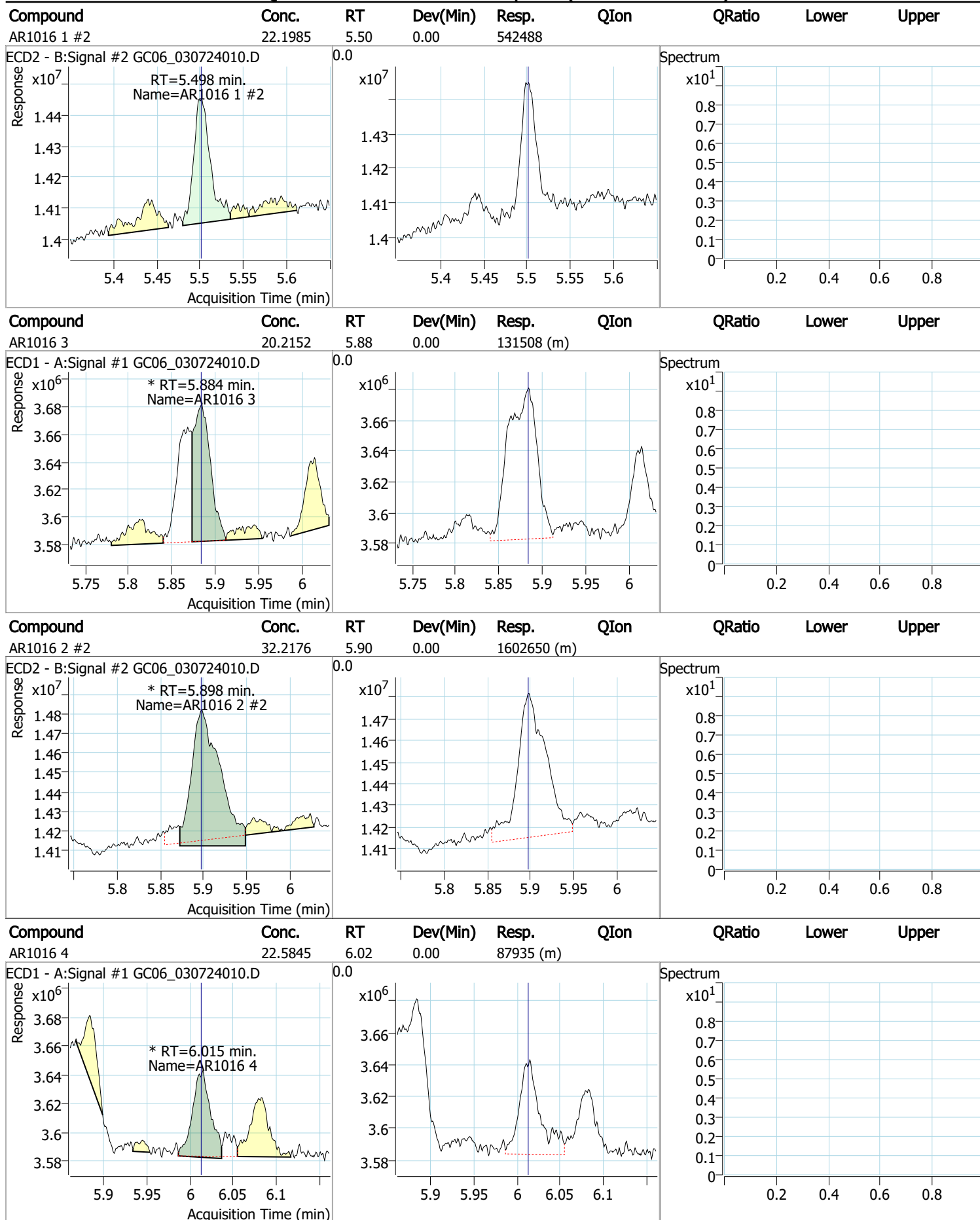
| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1016 1 | 20.5347 | 5.12 | 0.00     | 54260 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 21.9607 | 5.45 | 0.00     | 112193 |      |        |       |       |

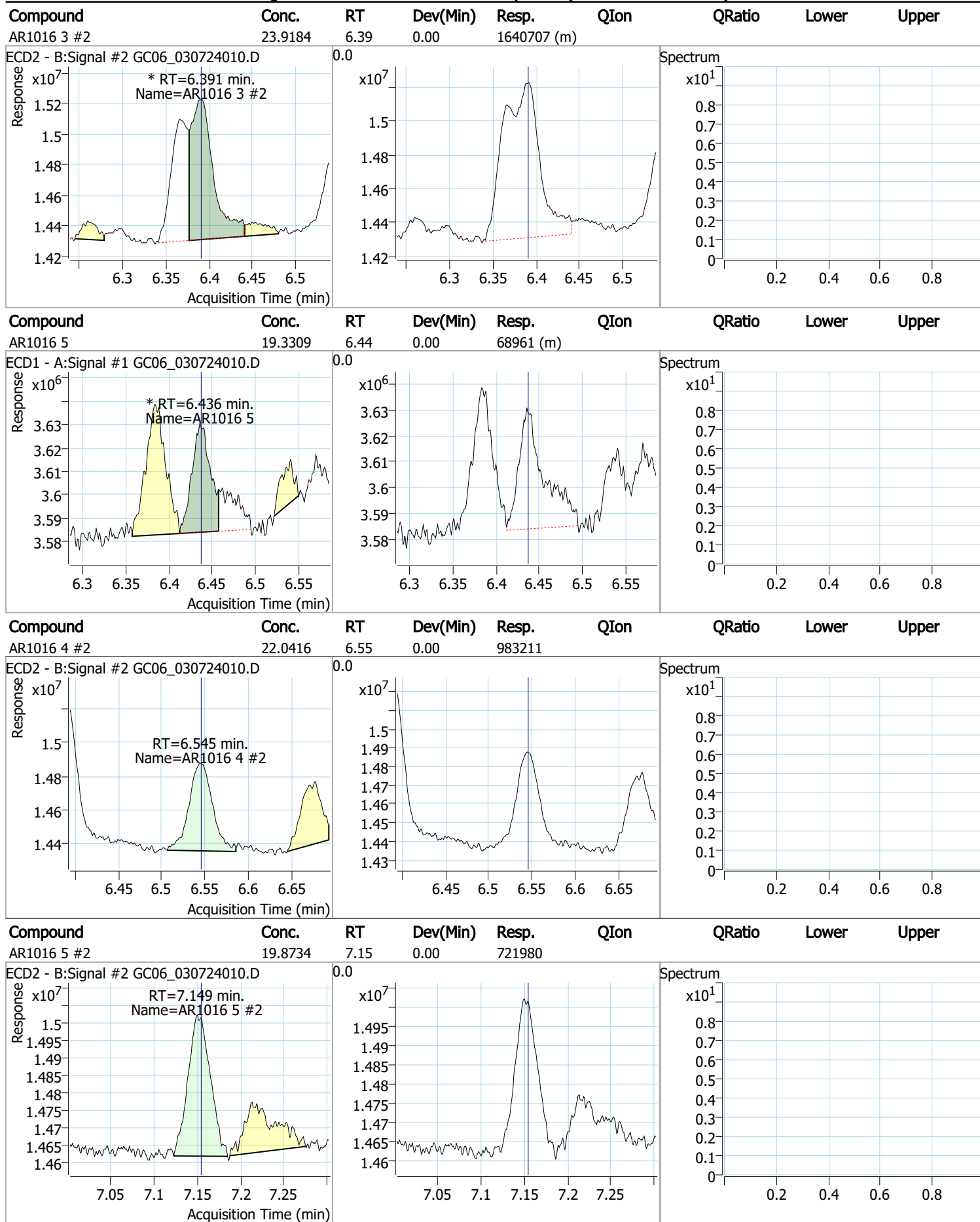


# Quantitation Results Report (Not Reviewed)

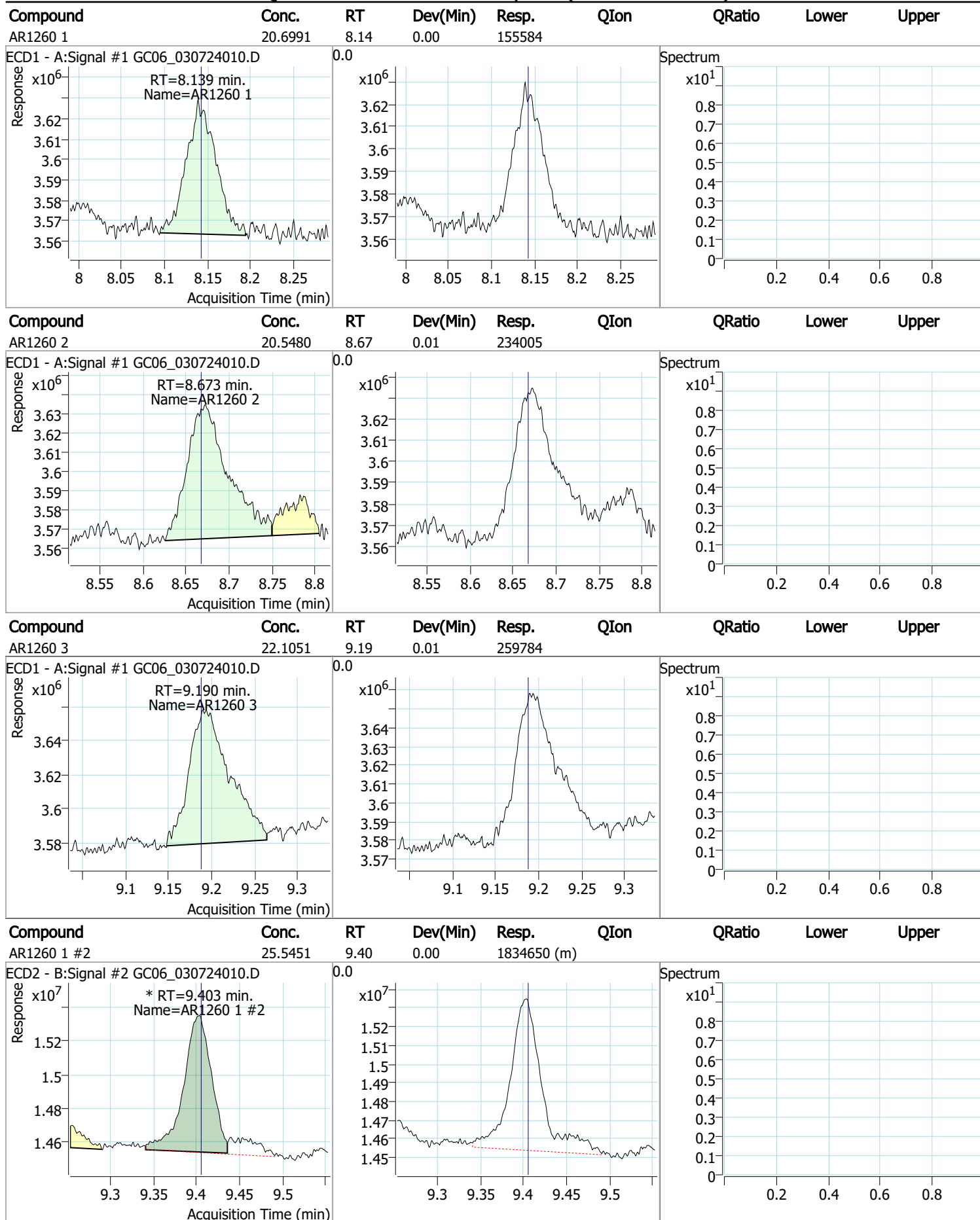




# Quantitation Results Report (Not Reviewed)

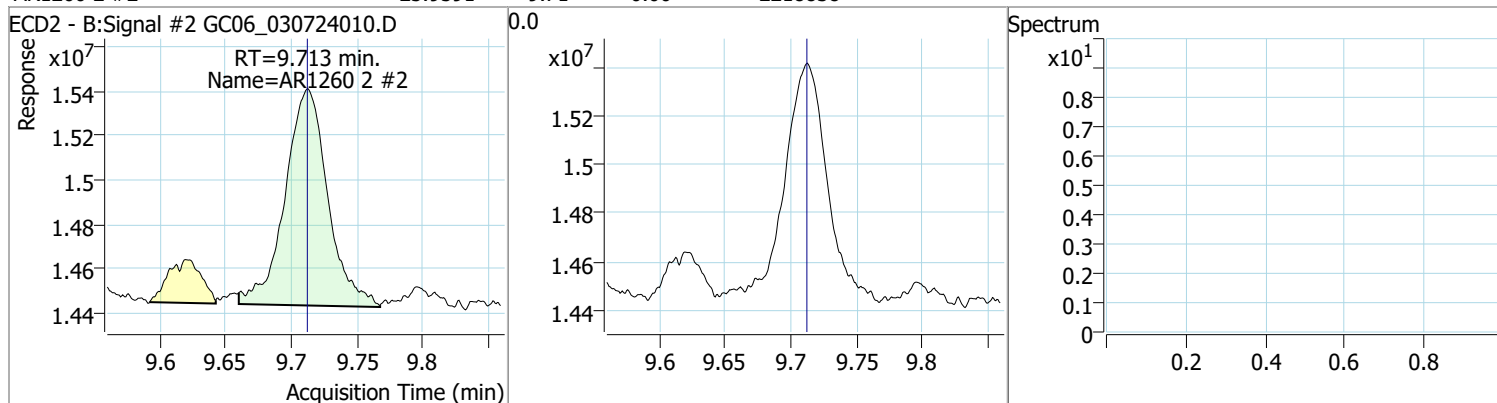


# Quantitation Results Report (Not Reviewed)

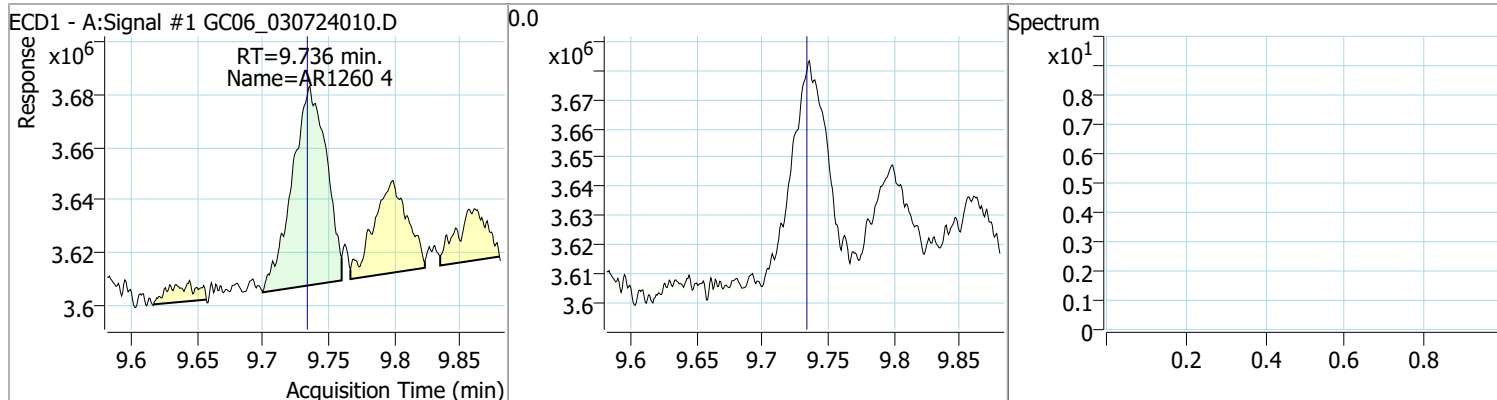


# Quantitation Results Report (Not Reviewed)

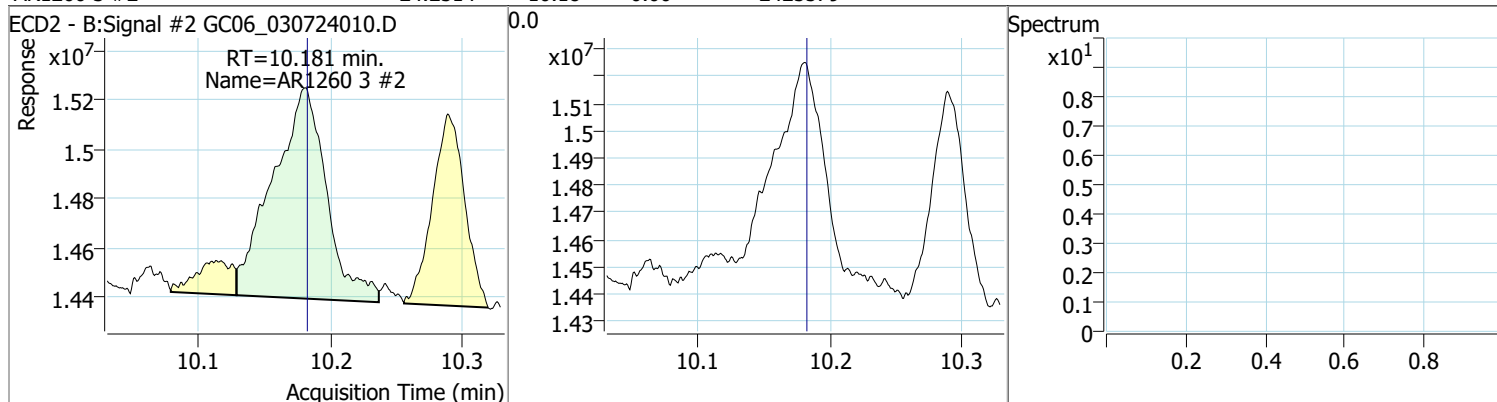
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 2 #2 | 25.9591 | 9.71 | 0.00     | 2218838 |      |        |       |       |



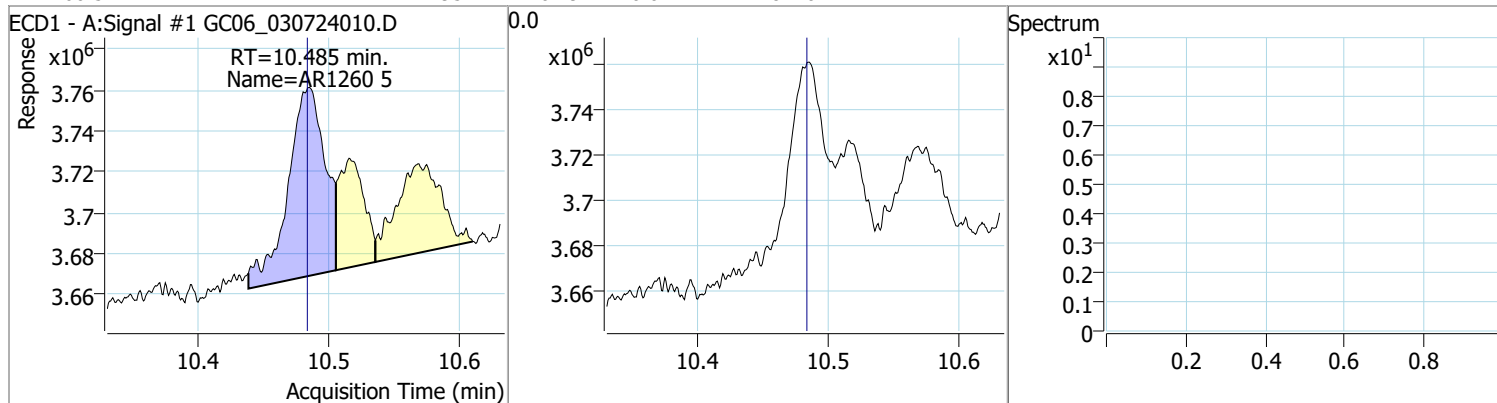
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 4 | 20.9354 | 9.74 | 0.01     | 137219 |      |        |       |       |



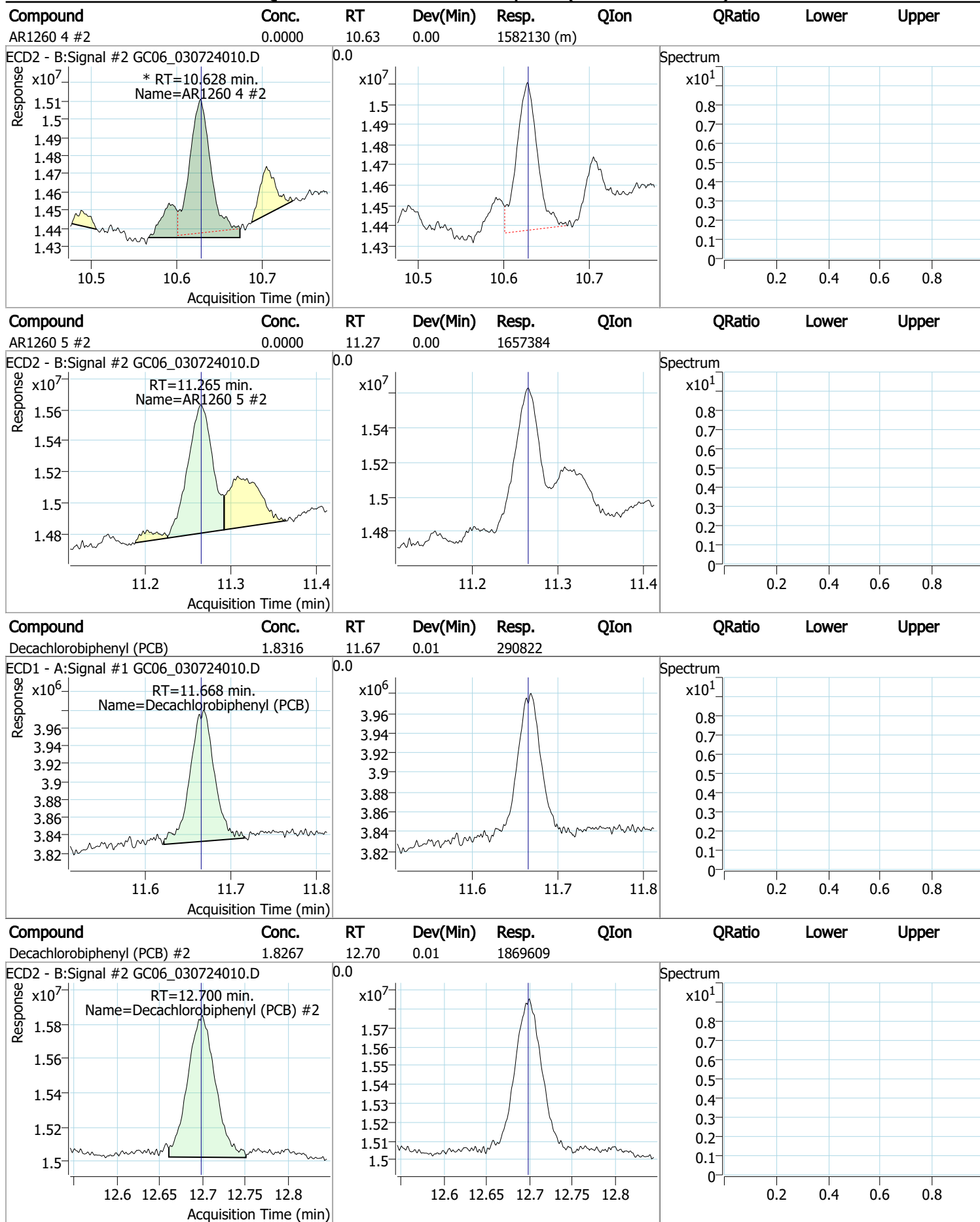
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 24.2514 | 10.18 | 0.00     | 2425579 |      |        |       |       |



| Compound | Conc.   | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 21.4957 | 10.49 | 0.01     | 182401 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

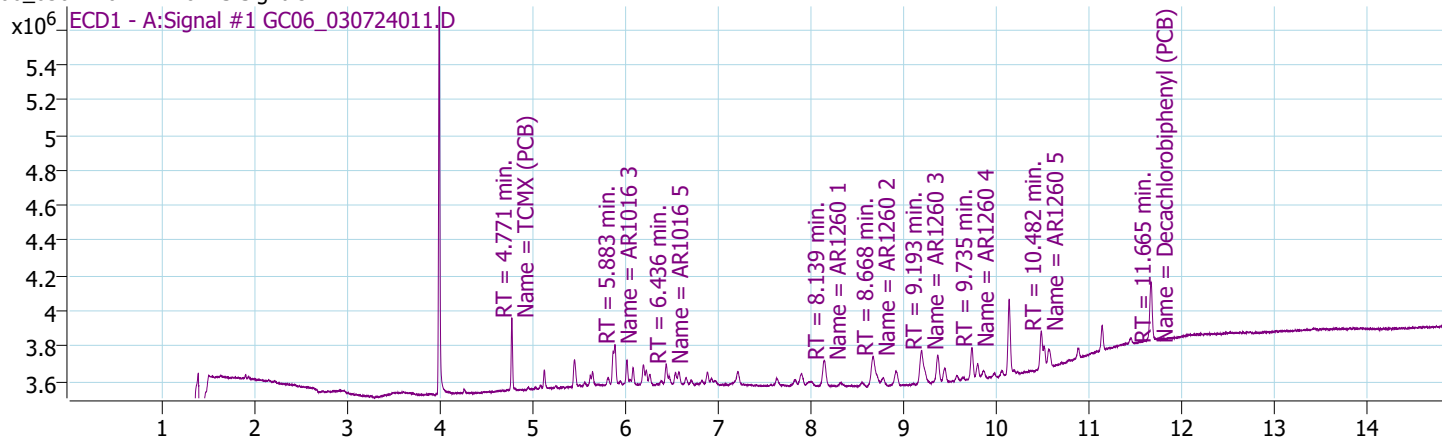


# Quantitation Results Report (Not Reviewed)

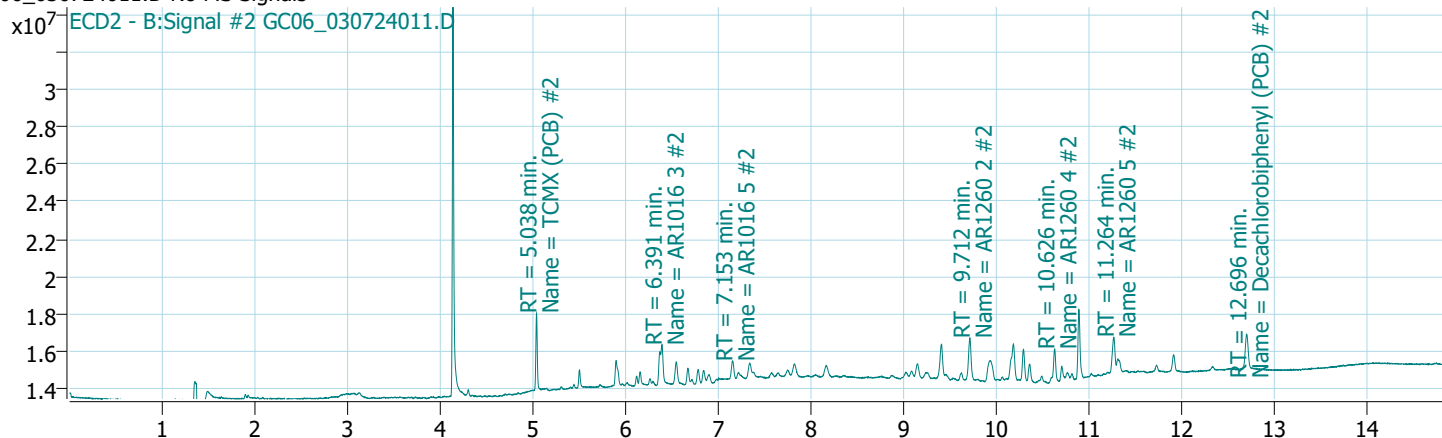
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 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 2:12:52 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 50 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724011.D No MS Signals



GC06\_030724011.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.             | Units | Dev(Min)      |
|------------------------------------|----------------------|------|--------------|-------------------|-------|---------------|
| <b>Internal Standards</b>          |                      |      |              |                   |       |               |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.988                | 0.0  | 2315875.738  | 20.0000           | ng/ml | 0.001         |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.136                | 0.0  | 23719403.150 | 20.0000           | ng/ml | 0.000         |
| <b>System Monitoring Compounds</b> |                      |      |              |                   |       |               |
| S TCMX (PCB)                       | 4.771                | 0.0  | 453150.415   | 3.9649            | ng/ml | 0.001         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 19.82% | *     |               |
| S TCMX (PCB) #2                    | 5.038                | 0.0  | 4849849.611  | 4.4459            | ng/ml | 0.001         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 22.23% | *     |               |
| S Decachlorobiphenyl (PCB)         | 11.665               | 0.0  | 650728.613   | 4.2667            | ng/ml | 0.003         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 21.33% | *     |               |
| S Decachlorobiphenyl (PCB) #2      | 12.696               | 0.0  | 4378499.150  | 4.4360            | ng/ml | 0.001         |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 22.18% | *     |               |
| <b>Target Compounds</b>            |                      |      |              |                   |       |               |
| T AR1016 1                         | 5.122                | 0.0  | 144958.517   | 57.1134           | ng/ml | QValue<br>100 |

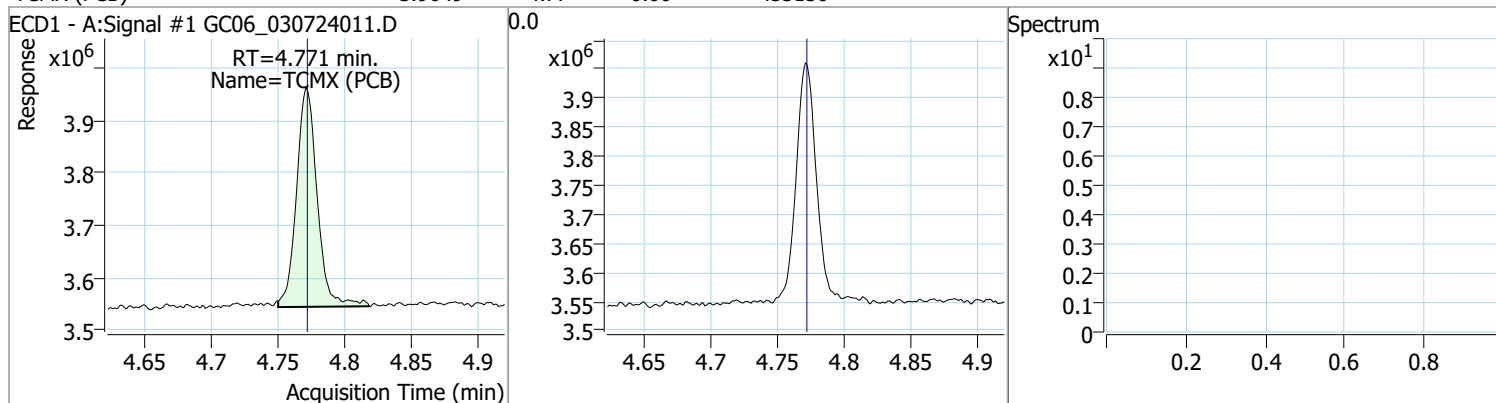
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.           | Conc.   | Units | Dev(Min) |
|---------------|--------|------|-----------------|---------|-------|----------|
| T AR1016 2    | 5.448  | 0.0  | 266156.700      | 54.2373 | ng/ml | 100      |
| T AR1016 1 #2 | 5.501  | 0.0  | 1276246.07<br>7 | 54.1511 | ng/ml | 100      |
| T AR1016 3    | 5.883  | 0.0  | 342428.856      | 54.7994 | ng/ml | m 100    |
| T AR1016 2 #2 | 5.896  | 0.0  | 2930308.42<br>8 | 61.0811 | ng/ml | 100      |
| T AR1016 4    | 6.013  | 0.0  | 192474.269      | 51.4641 | ng/ml | 100      |
| T AR1016 3 #2 | 6.391  | 0.0  | 3582422.96<br>9 | 54.1525 | ng/ml | m 100    |
| T AR1016 5    | 6.436  | 0.0  | 172140.572      | 50.2358 | ng/ml | 100      |
| T AR1016 4 #2 | 6.545  | 0.0  | 2330756.59<br>1 | 54.1792 | ng/ml | 100      |
| T AR1016 5 #2 | 7.153  | 0.0  | 1827411.05<br>3 | 52.1582 | ng/ml | 100      |
| T AR1260 1    | 8.139  | 0.0  | 376577.729      | 52.1582 | ng/ml | 100      |
| T AR1260 2    | 8.668  | 0.0  | 582621.925      | 53.2614 | ng/ml | 100      |
| T AR1260 3    | 9.193  | 0.0  | 521378.556      | 46.1866 | ng/ml | 100      |
| T AR1260 1 #2 | 9.406  | 0.0  | 4022573.15<br>6 | 58.0763 | ng/ml | 100      |
| T AR1260 2 #2 | 9.712  | 0.0  | 4717594.55<br>9 | 57.2302 | ng/ml | 100      |
| T AR1260 4    | 9.735  | 0.0  | 321202.594      | 51.0187 | ng/ml | 100      |
| T AR1260 3 #2 | 10.182 | 0.0  | 5257836.13<br>1 | 54.5090 | ng/ml | 100      |
| T AR1260 5    | 10.482 | 0.0  | 410759.242      | 50.3958 | ng/ml | 100      |
| T AR1260 4 #2 | 10.626 | 0.0  | 3499231.53<br>4 | 3.4941  | ng/ml | m 100    |
| T AR1260 5 #2 | 11.264 | 0.0  | 4035043.26<br>6 | 0.8119  | ng/ml | 100      |

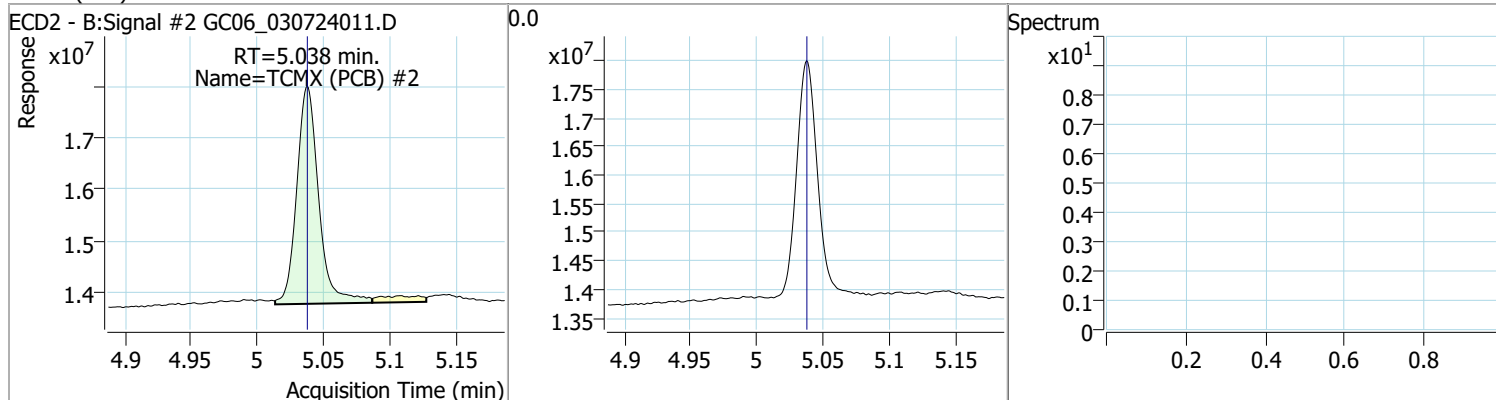
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

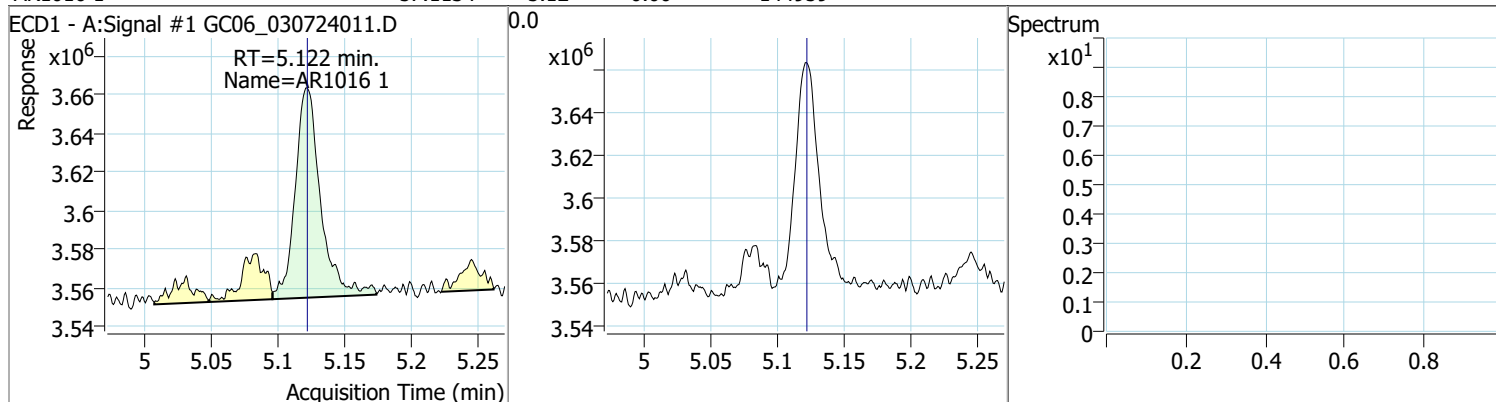
| Compound   | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|--------|------|--------|-------|-------|
| TCMX (PCB) | 3.9649 | 4.77 | 0.00     | 453150 |      |        |       |       |



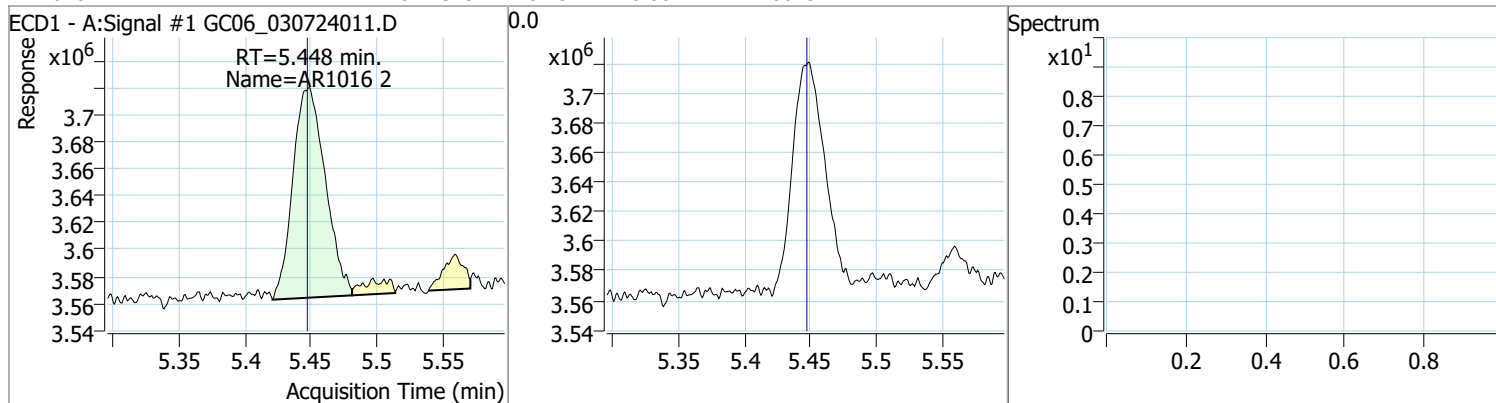
| Compound      | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) #2 | 4.4459 | 5.04 | 0.00     | 4849850 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 57.1134 | 5.12 | 0.00     | 144959 |      |        |       |       |

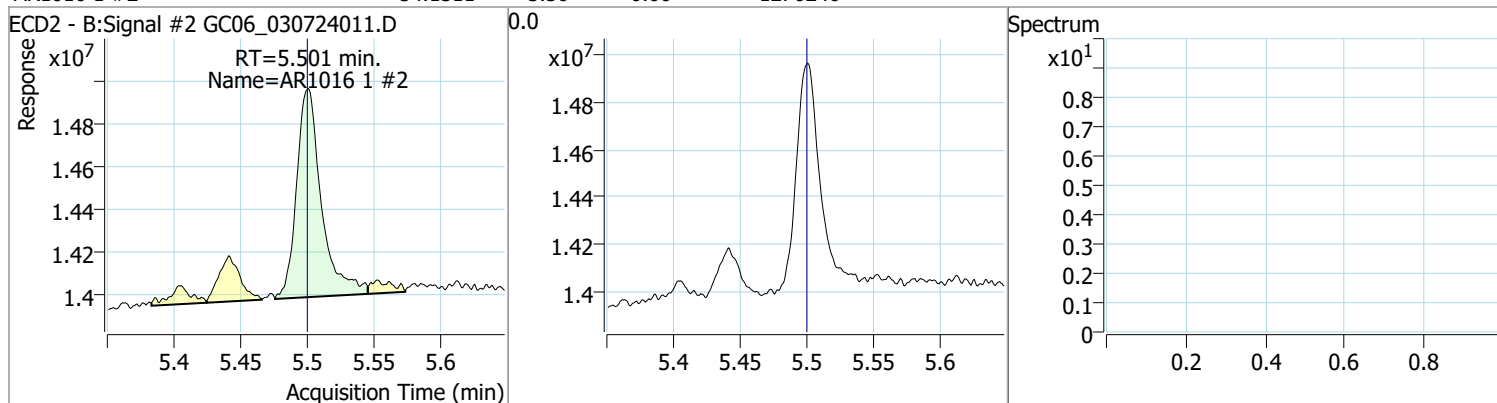


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 54.2373 | 5.45 | 0.00     | 266157 |      |        |       |       |

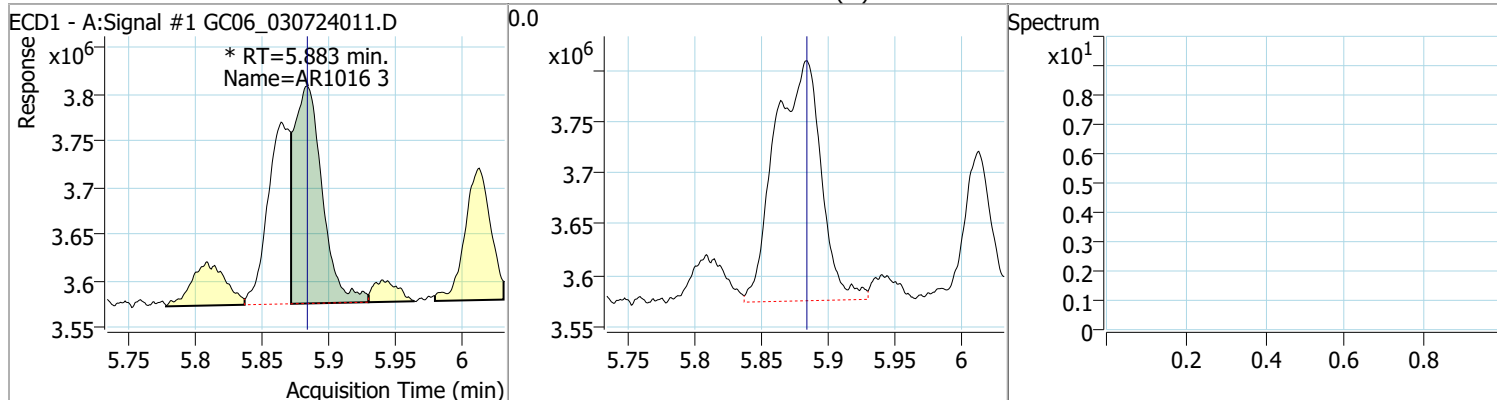


# Quantitation Results Report (Not Reviewed)

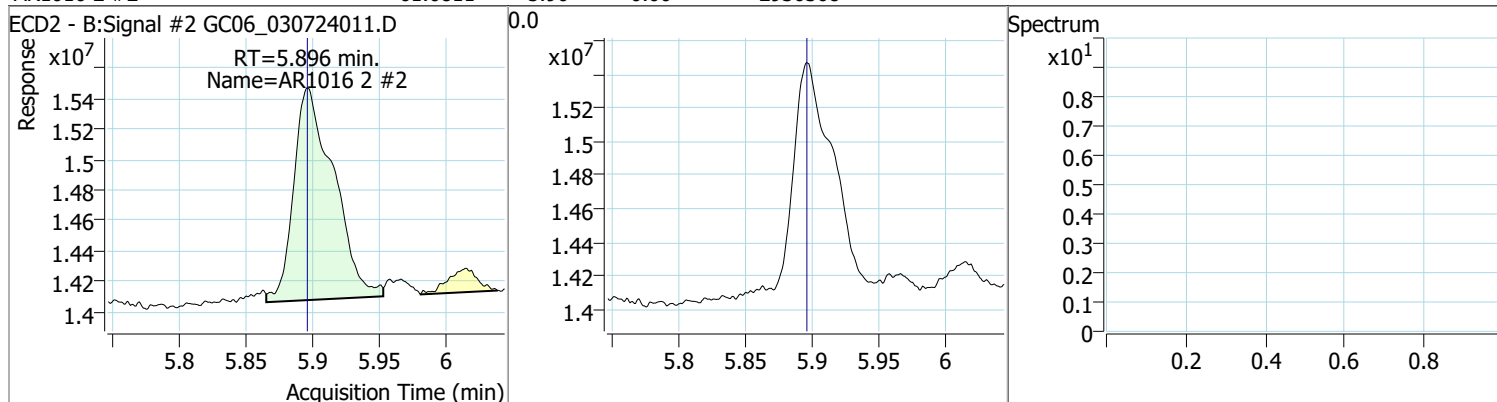
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 54.1511 | 5.50 | 0.00     | 1276246 |      |        |       |       |



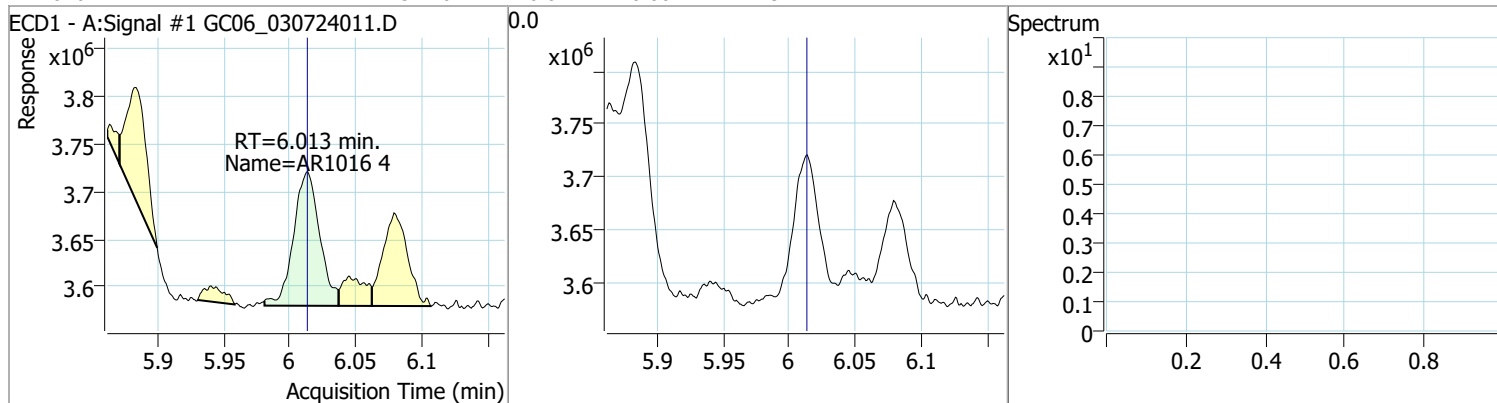
| Compound | Conc.   | RT   | Dev(Min) | Resp.      | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|------------|------|--------|-------|-------|
| AR1016 3 | 54.7994 | 5.88 | 0.00     | 342429 (m) |      |        |       |       |



| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 61.0811 | 5.90 | 0.00     | 2930308 |      |        |       |       |

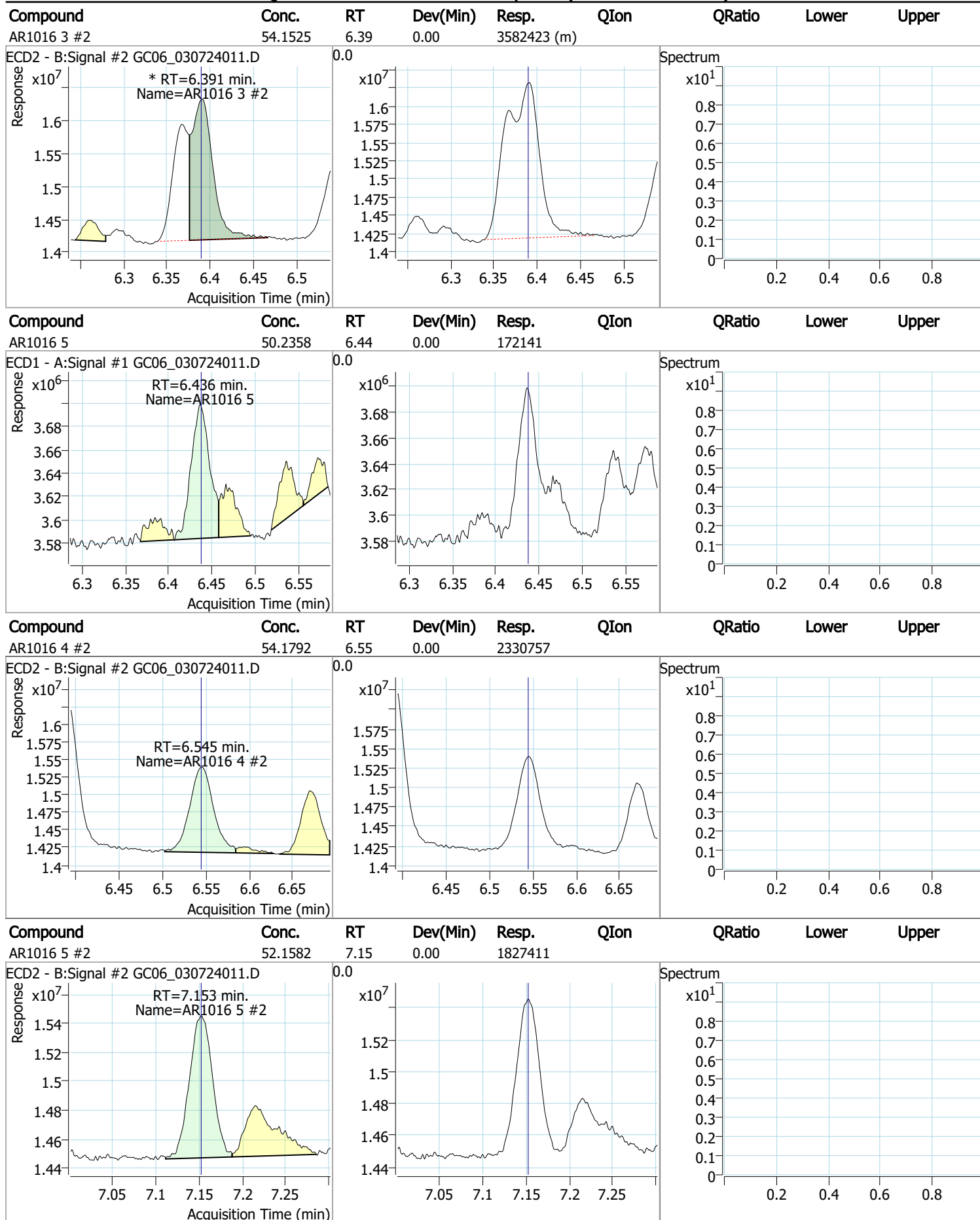


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 4 | 51.4641 | 6.01 | 0.00     | 192474 |      |        |       |       |

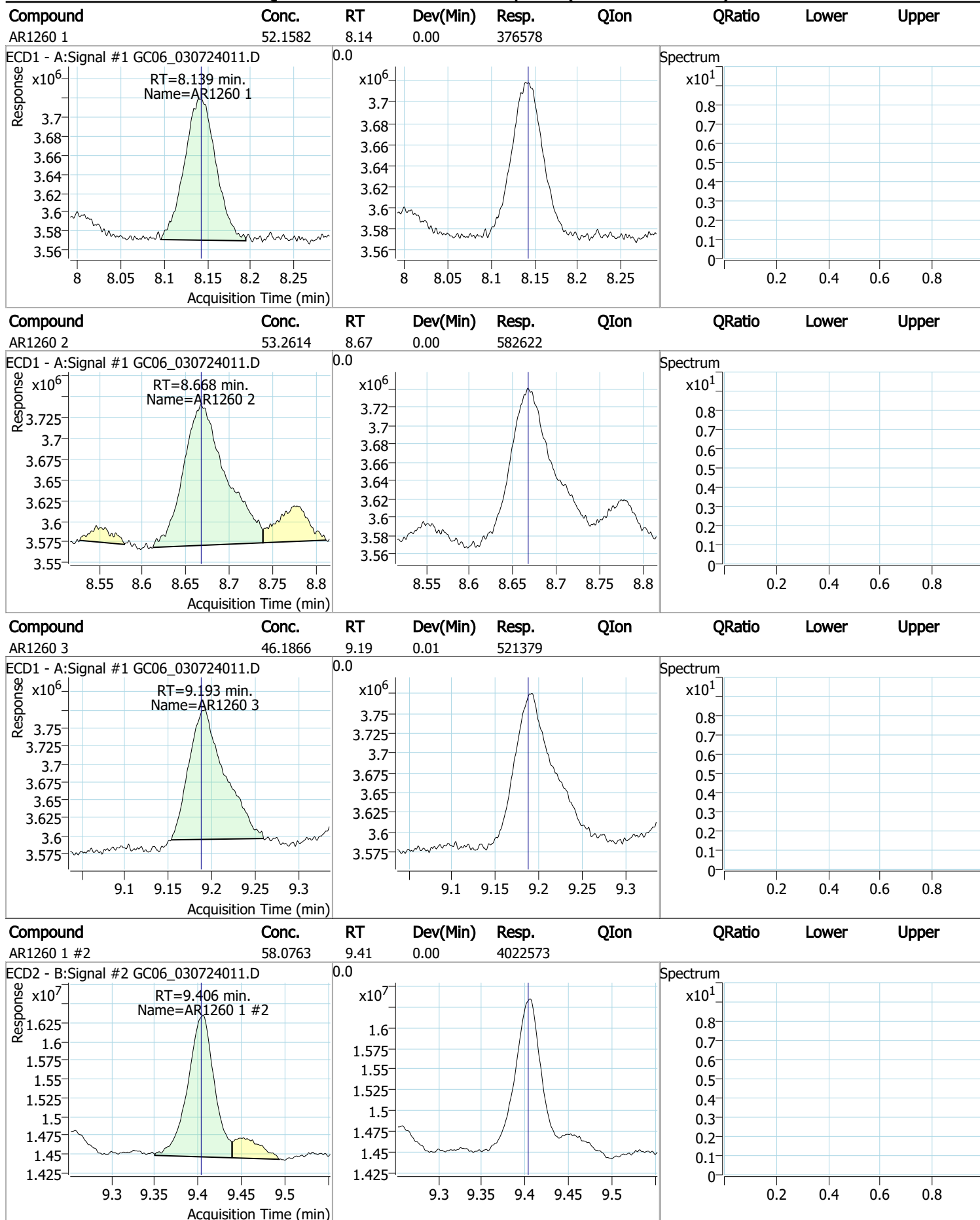




# Quantitation Results Report (Not Reviewed)

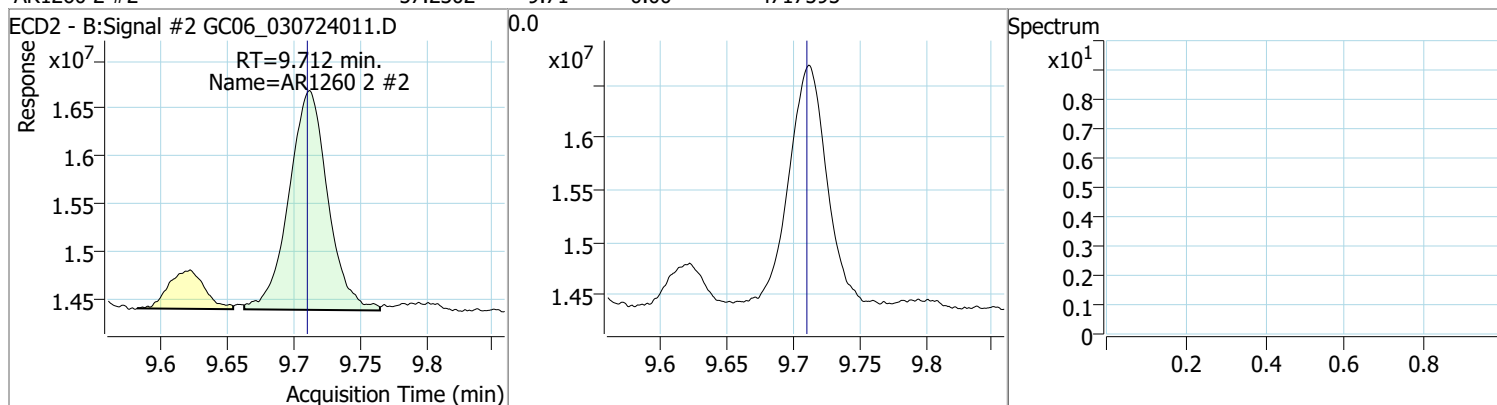


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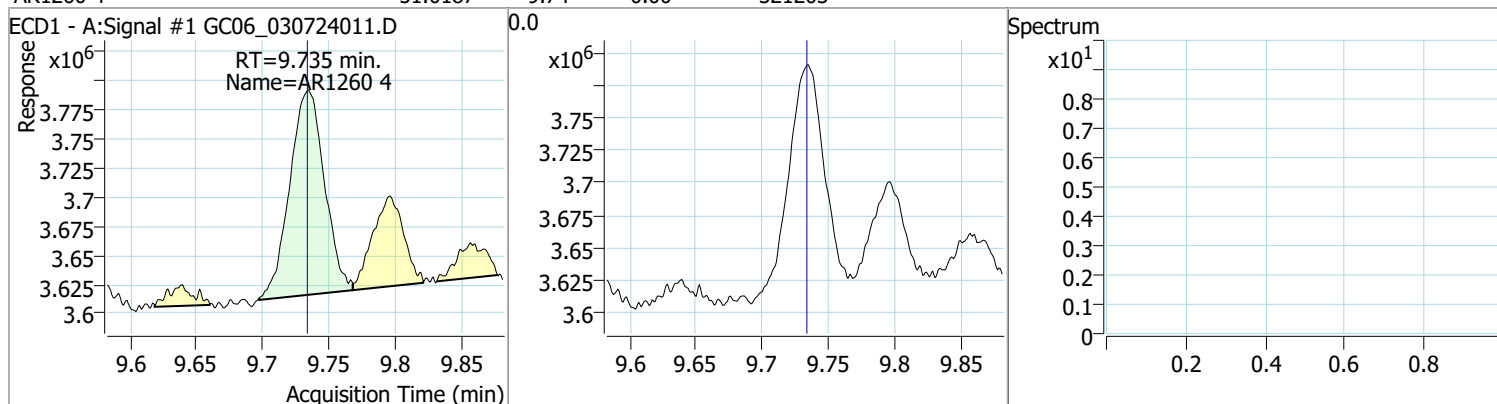


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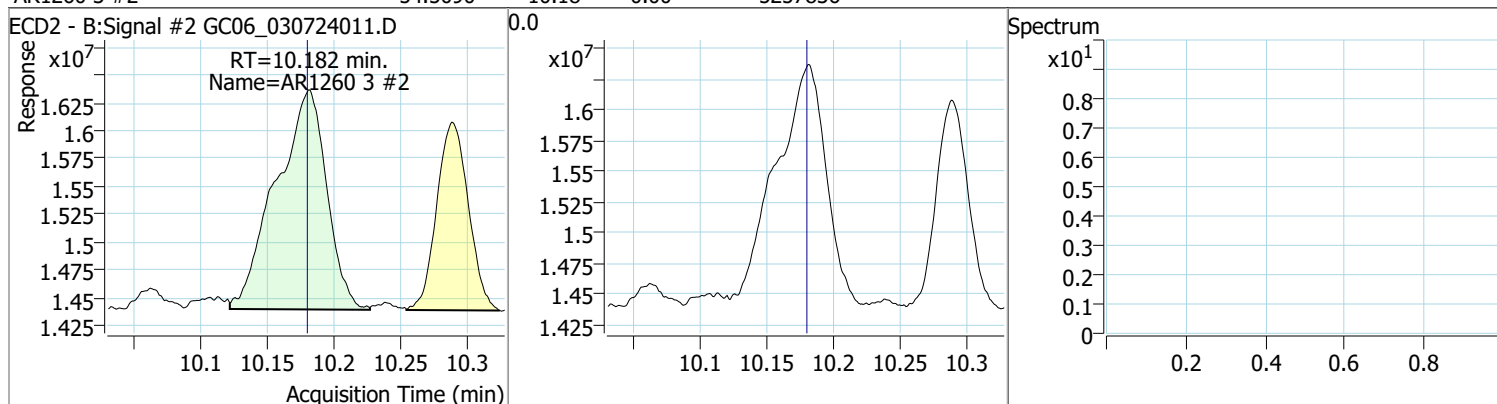
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 2 #2 | 57.2302 | 9.71 | 0.00     | 4717595 |      |        |       |       |



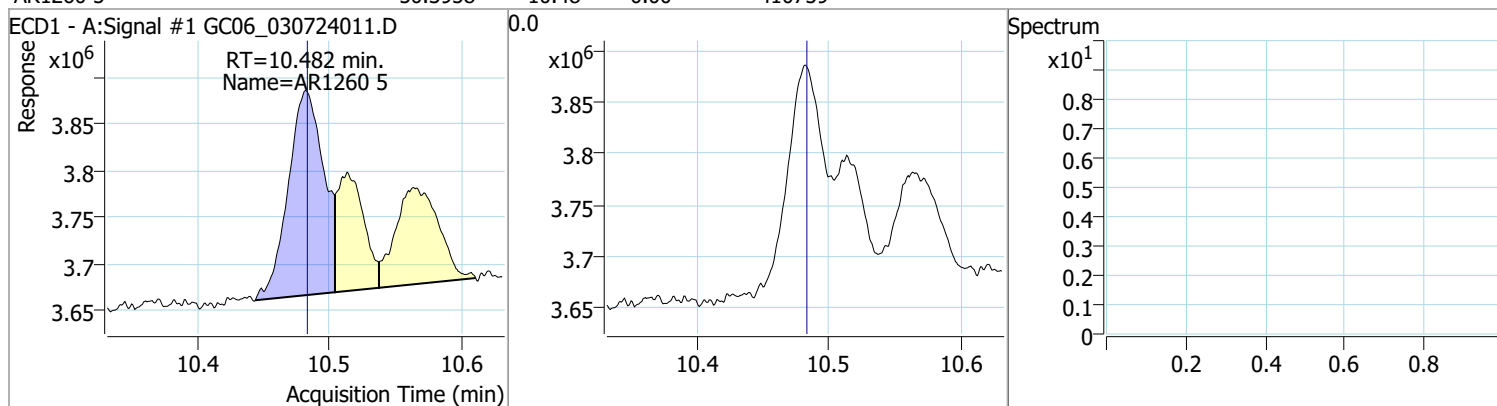
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 4 | 51.0187 | 9.74 | 0.00     | 321203 |      |        |       |       |



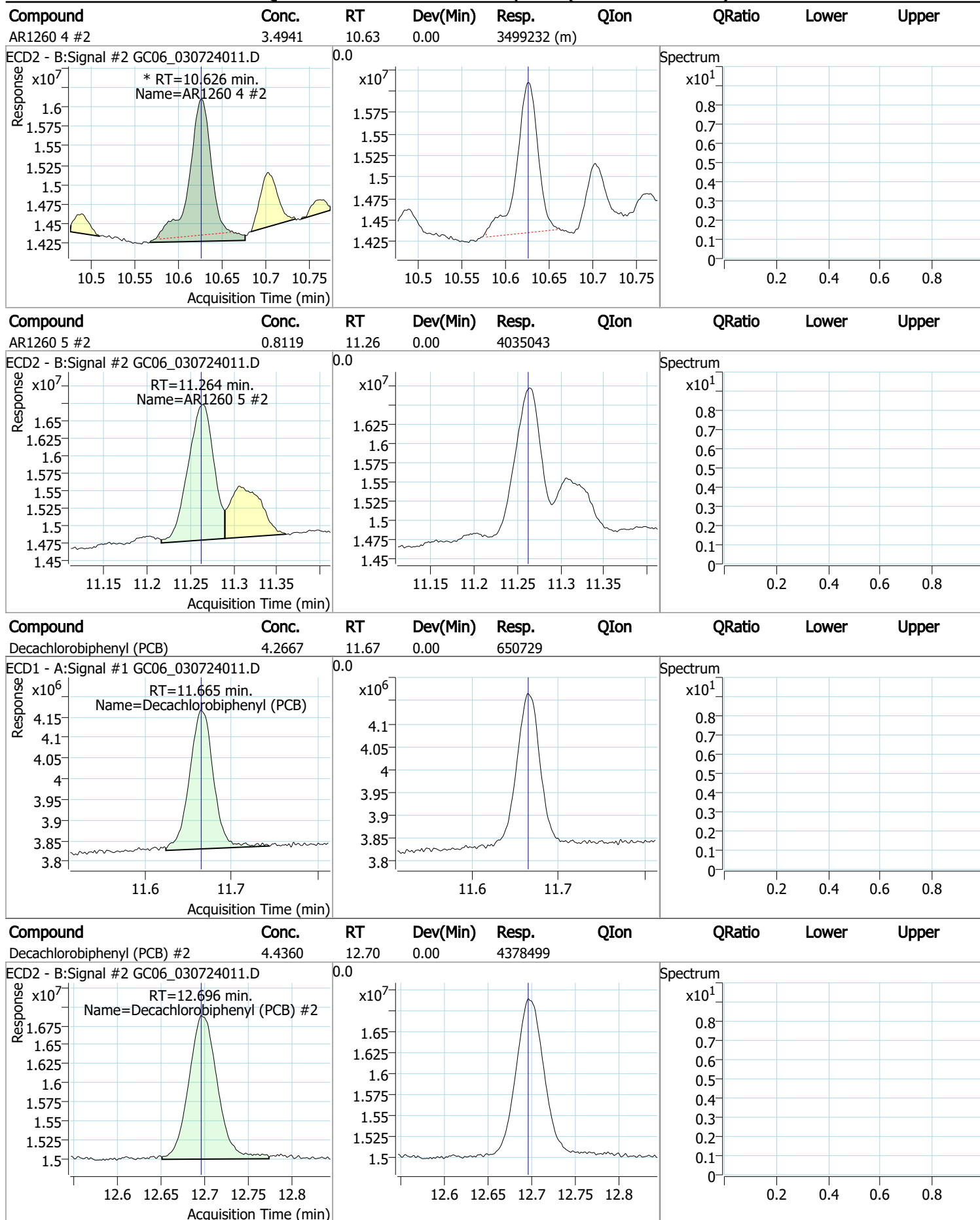
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 54.5090 | 10.18 | 0.00     | 5257836 |      |        |       |       |



| Compound | Conc.   | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 50.3958 | 10.48 | 0.00     | 410759 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

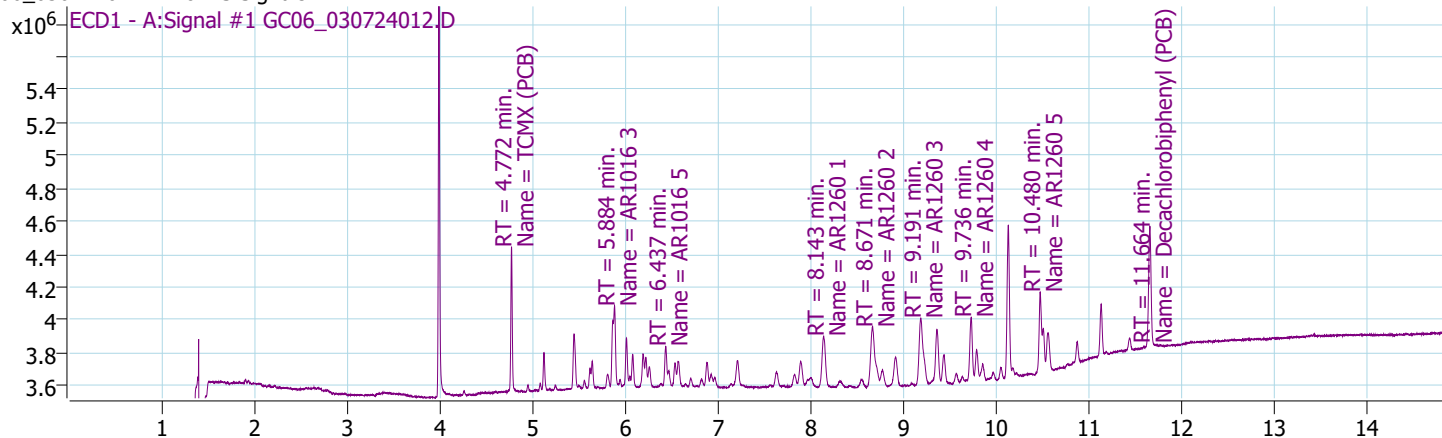


# Quantitation Results Report (Not Reviewed)

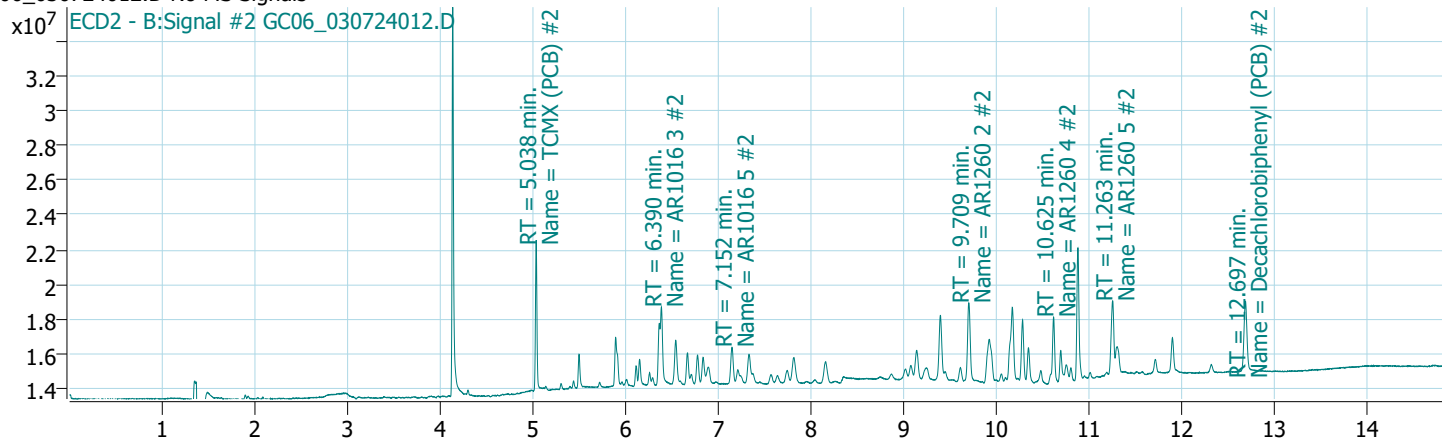
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 Vial 104  
 DA Method File PCB\_608\_030724\_GC06\_1.m  
 Tune File ATUNE.U  
 Batch Name 030724PCBICAL.batch.bin  
 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 2:33:31 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 50 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724012.D No MS Signals



GC06\_030724012.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.             | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|-------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                   |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.988                | 0.0  | 2557875.176  | 20.0000           | ng/ml | 0.002    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.137                | 0.0  | 25321465.241 | 20.0000           | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |              |                   |       |          |
| S TCMX (PCB)                       | 4.772                | 0.0  | 977439.543   | 7.7432            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 38.72% | *     |          |
| S TCMX (PCB) #2                    | 5.038                | 0.0  | 10017588.419 | 8.6022            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 43.01% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.664               | 0.0  | 1384360.580  | 8.2183            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 41.09% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.697               | 0.0  | 9421975.883  | 8.9418            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 44.71% | *     |          |
| <b>Target Compounds</b>            |                      |      |              |                   |       |          |
| T AR1016 1                         | 5.123                | 0.0  | 277680.594   | 99.0548           | ng/ml | 100      |

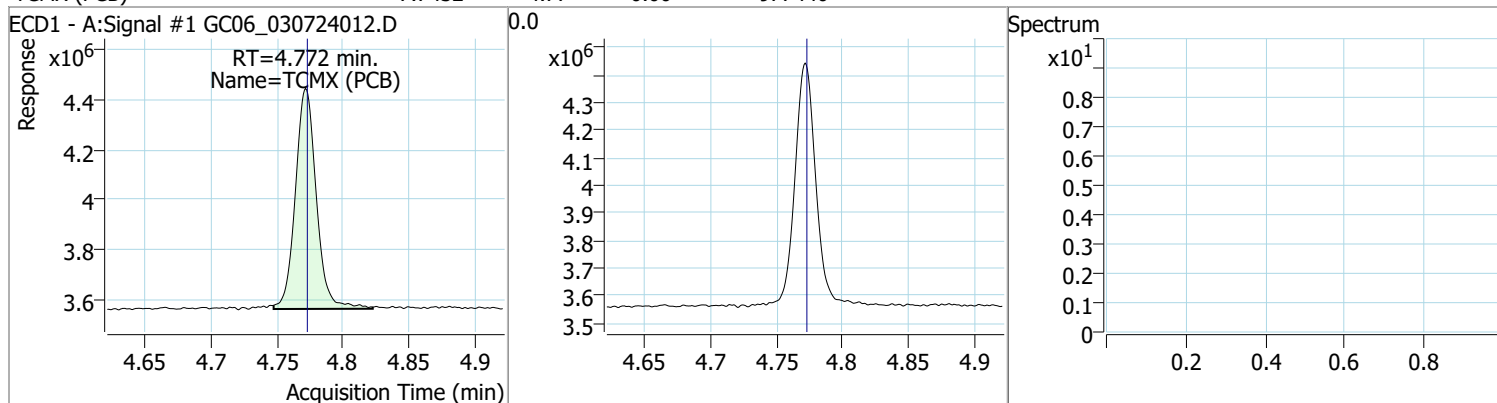
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.    | Units | Dev(Min) |
|---------------|--------|------|--------------|----------|-------|----------|
| T AR1016 2    | 5.447  | 0.0  | 558464.512   | 103.0368 | ng/ml | 100      |
| T AR1016 1 #2 | 5.501  | 0.0  | 2669035.729  | 106.0821 | ng/ml | 100      |
| T AR1016 3    | 5.884  | 0.0  | 702218.586   | 101.7451 | ng/ml | m 100    |
| T AR1016 2 #2 | 5.896  | 0.0  | 5692969.713  | 111.1598 | ng/ml | 100      |
| T AR1016 4    | 6.013  | 0.0  | 410044.191   | 99.2655  | ng/ml | 100      |
| T AR1016 3 #2 | 6.390  | 0.0  | 7879143.591  | 111.5669 | ng/ml | m 100    |
| T AR1016 5    | 6.437  | 0.0  | 388051.338   | 102.5310 | ng/ml | 100      |
| T AR1016 4 #2 | 6.544  | 0.0  | 4849832.894  | 105.6033 | ng/ml | 100      |
| T AR1016 5 #2 | 7.152  | 0.0  | 4039495.110  | 108.0011 | ng/ml | 100      |
| T AR1260 1    | 8.143  | 0.0  | 816405.549   | 102.3788 | ng/ml | 100      |
| T AR1260 2    | 8.671  | 0.0  | 1218465.915  | 100.8498 | ng/ml | 100      |
| T AR1260 3    | 9.191  | 0.0  | 1279999.934  | 102.6618 | ng/ml | 100      |
| T AR1260 1 #2 | 9.402  | 0.0  | 7850904.702  | 106.1769 | ng/ml | 100      |
| T AR1260 2 #2 | 9.709  | 0.0  | 9627169.933  | 109.4002 | ng/ml | 100      |
| T AR1260 4    | 9.736  | 0.0  | 713759.698   | 102.6450 | ng/ml | 100      |
| T AR1260 3 #2 | 10.178 | 0.0  | 10886456.498 | 105.7214 | ng/ml | 100      |
| T AR1260 5    | 10.480 | 0.0  | 867261.766   | 96.3370  | ng/ml | 100      |
| T AR1260 4 #2 | 10.625 | 0.0  | 7239183.318  | 71.2870  | ng/ml | m 100    |
| T AR1260 5 #2 | 11.263 | 0.0  | 8778264.829  | 66.4597  | ng/ml | 100      |

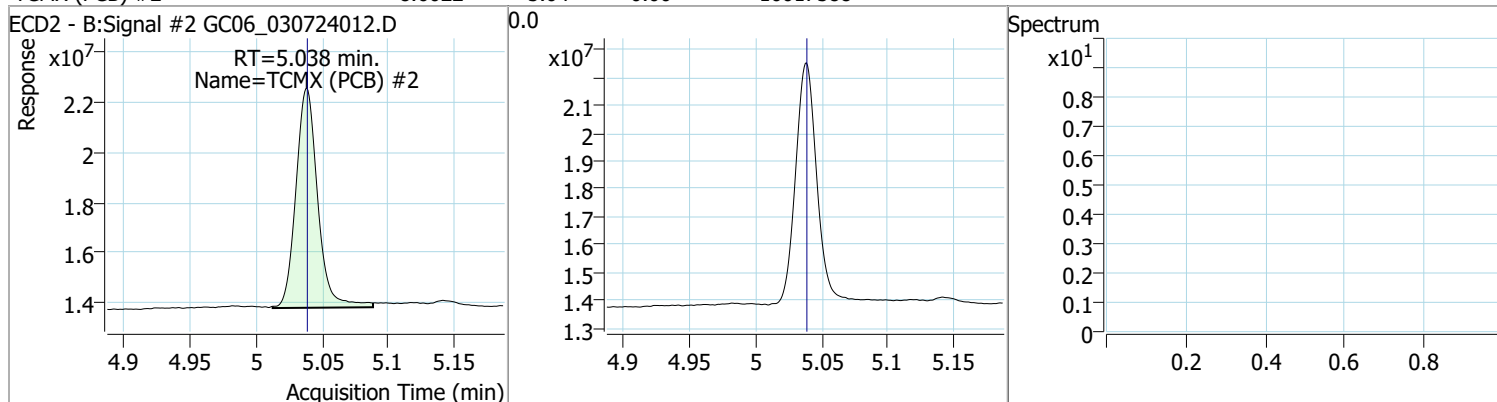
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

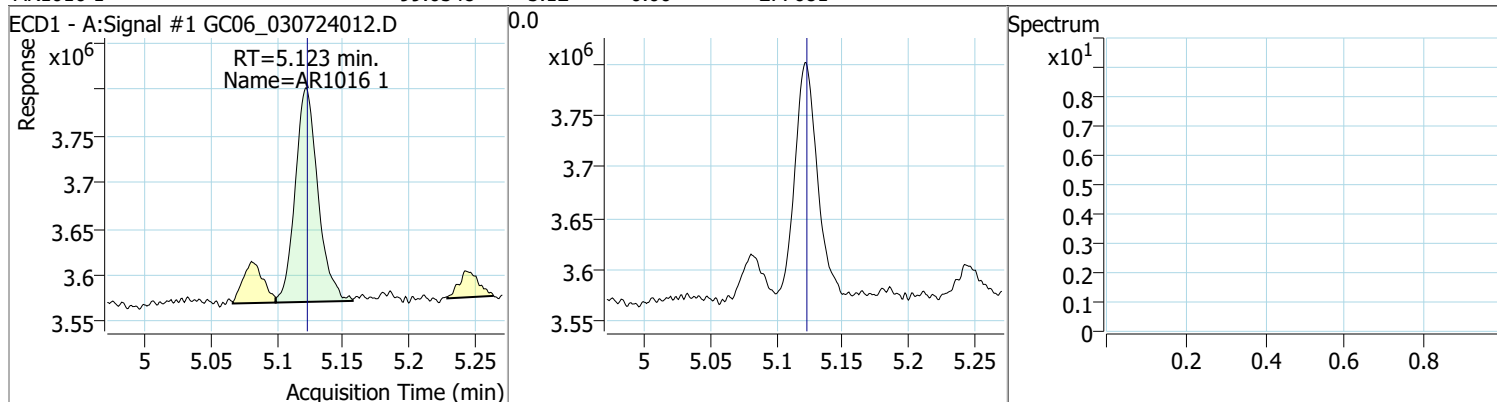
| Compound   | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|--------|------|--------|-------|-------|
| TCMX (PCB) | 7.7432 | 4.77 | 0.00     | 977440 |      |        |       |       |



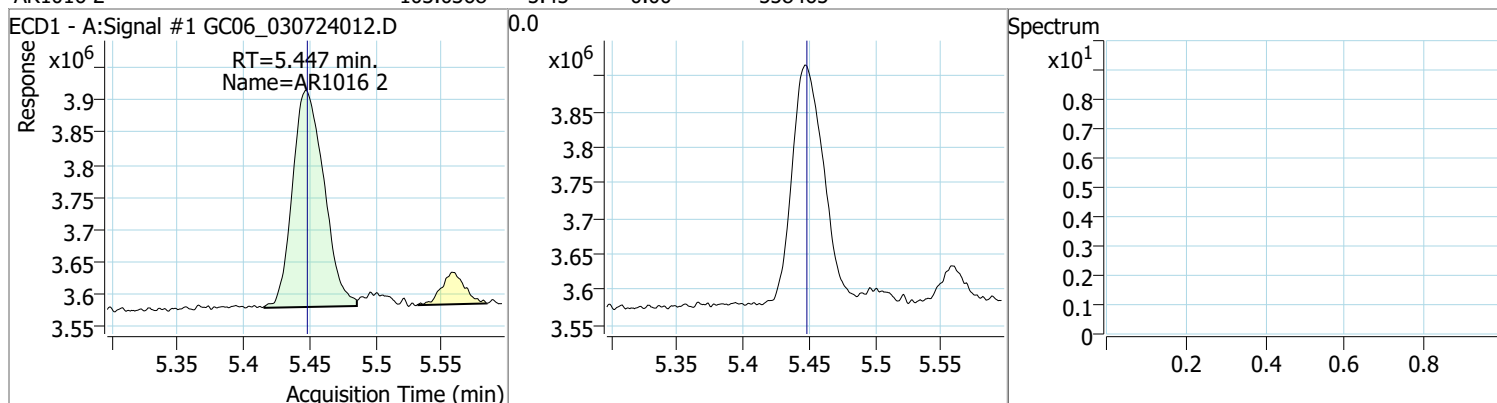
| Compound      | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 8.6022 | 5.04 | 0.00     | 10017588 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 99.0548 | 5.12 | 0.00     | 277681 |      |        |       |       |

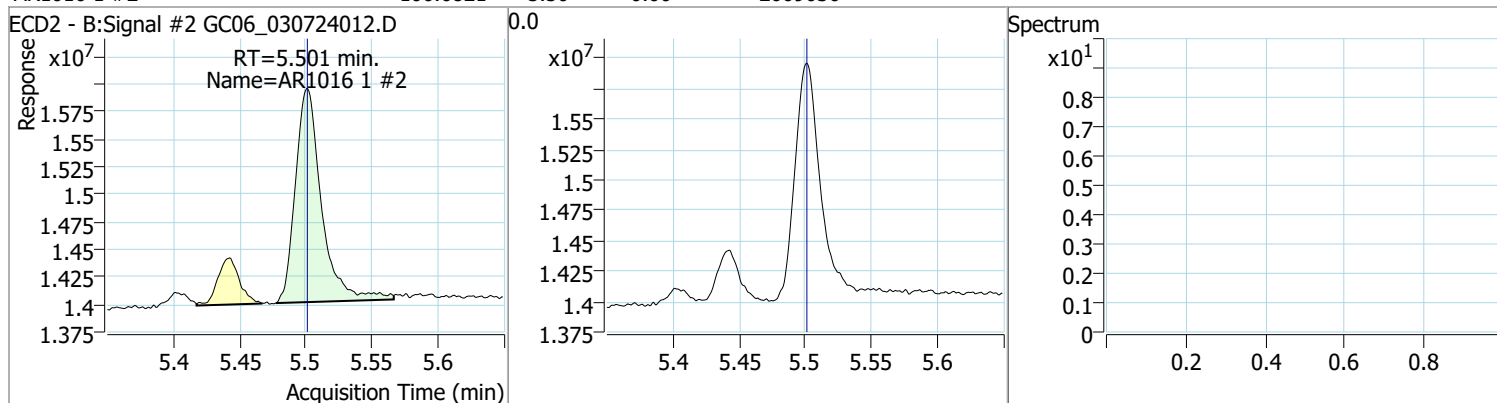


| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 103.0368 | 5.45 | 0.00     | 558465 |      |        |       |       |

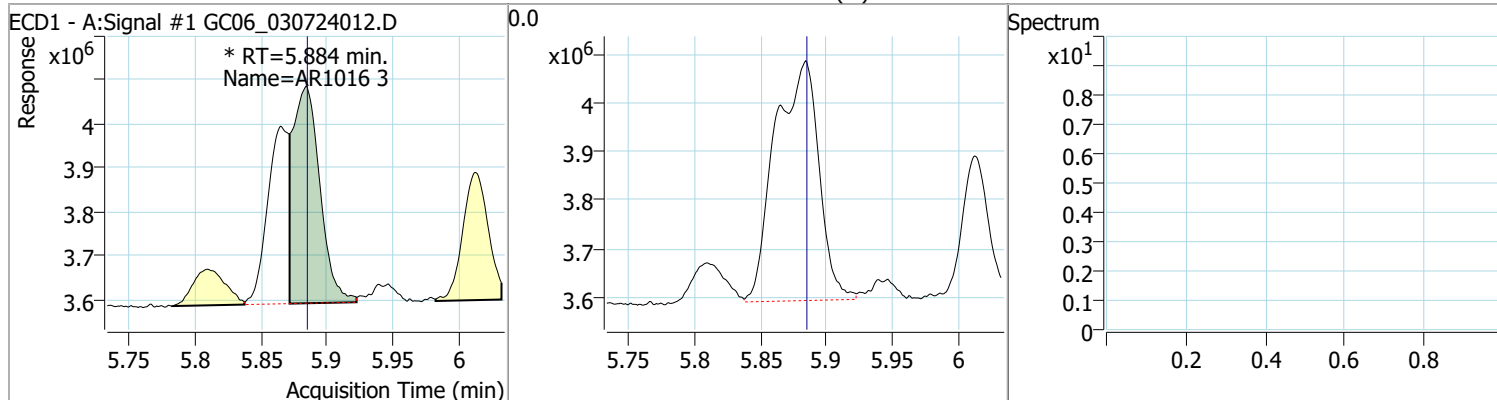


# Quantitation Results Report (Not Reviewed)

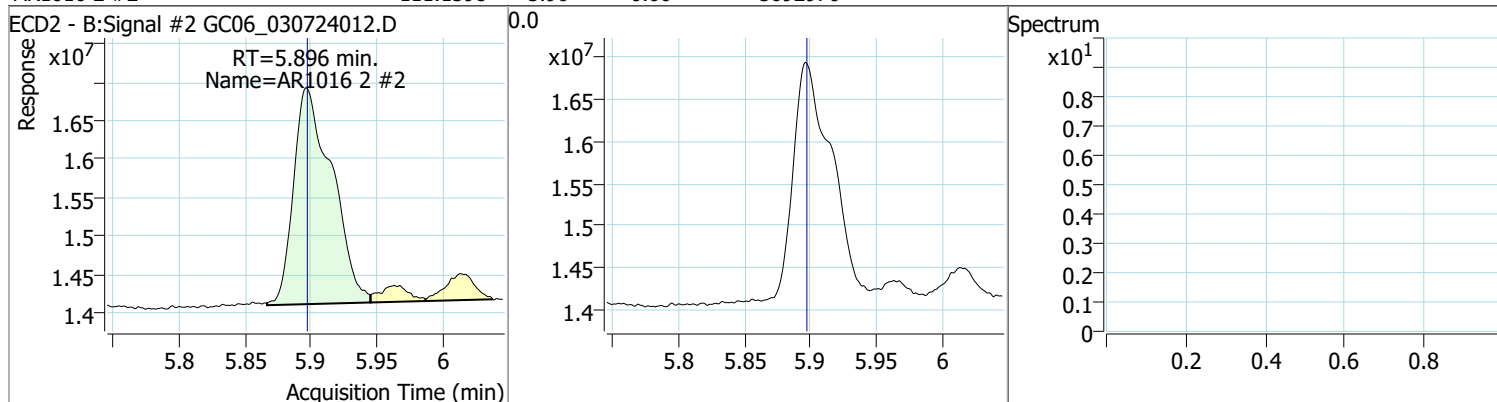
| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 106.0821 | 5.50 | 0.00     | 2669036 |      |        |       |       |



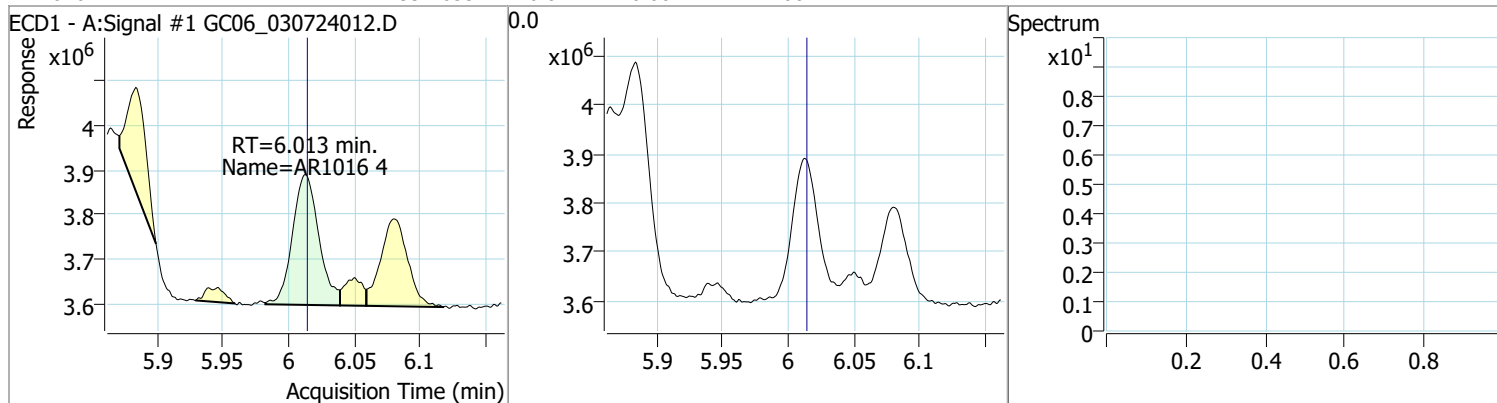
| Compound | Conc.    | RT   | Dev(Min) | Resp.      | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|------------|------|--------|-------|-------|
| AR1016 3 | 101.7451 | 5.88 | 0.00     | 702219 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 111.1598 | 5.90 | 0.00     | 5692970 |      |        |       |       |

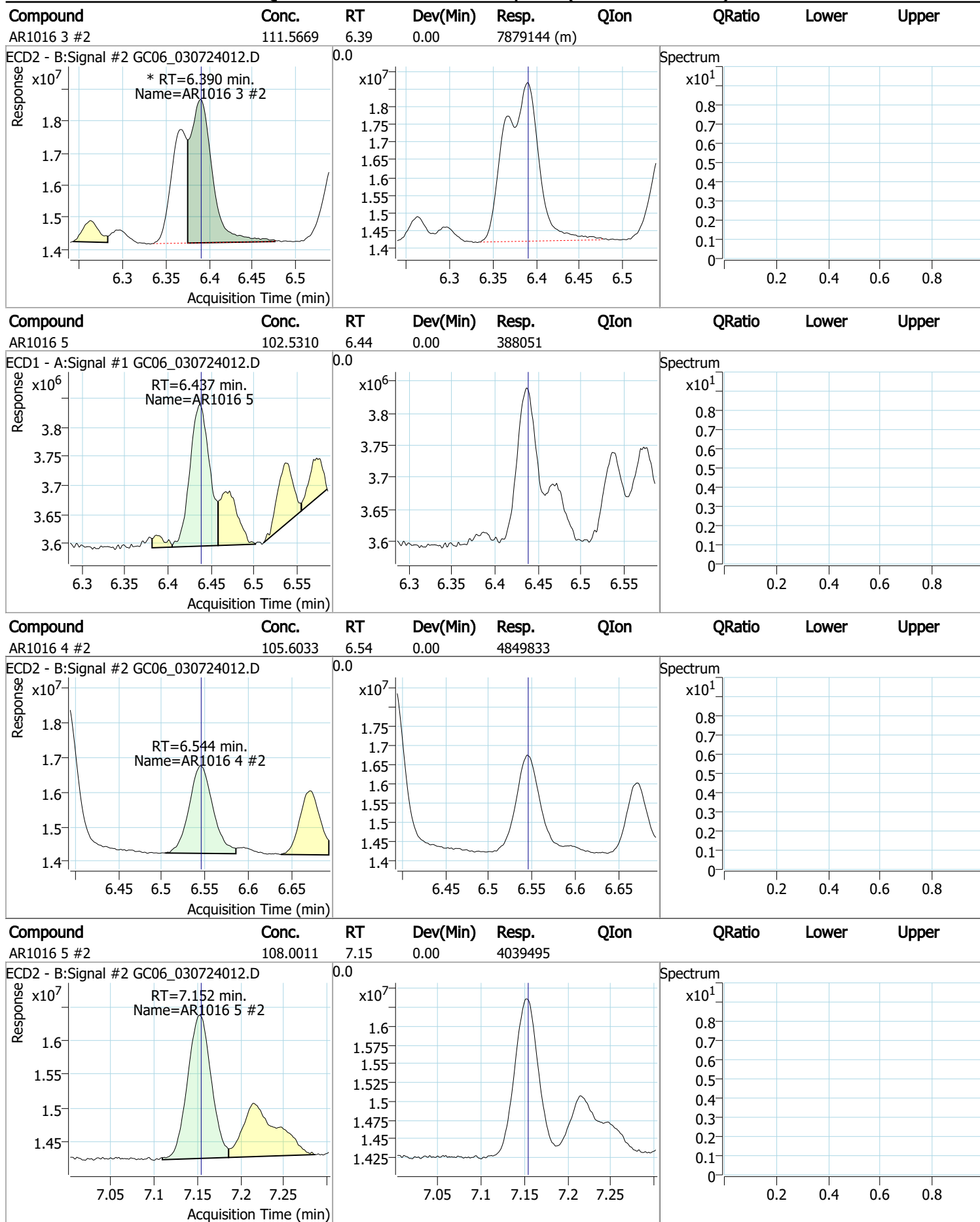


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 4 | 99.2655 | 6.01 | 0.00     | 410044 |      |        |       |       |

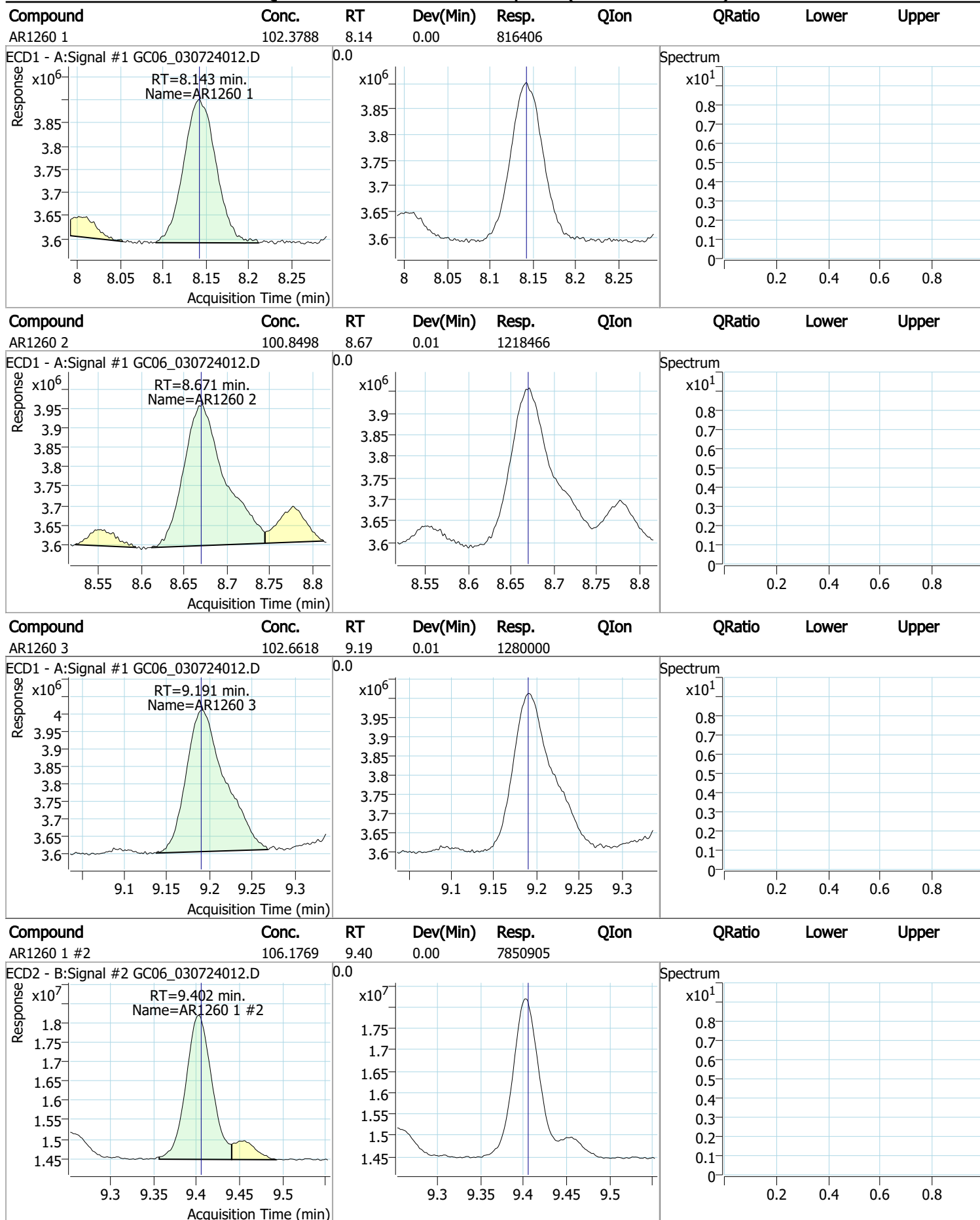




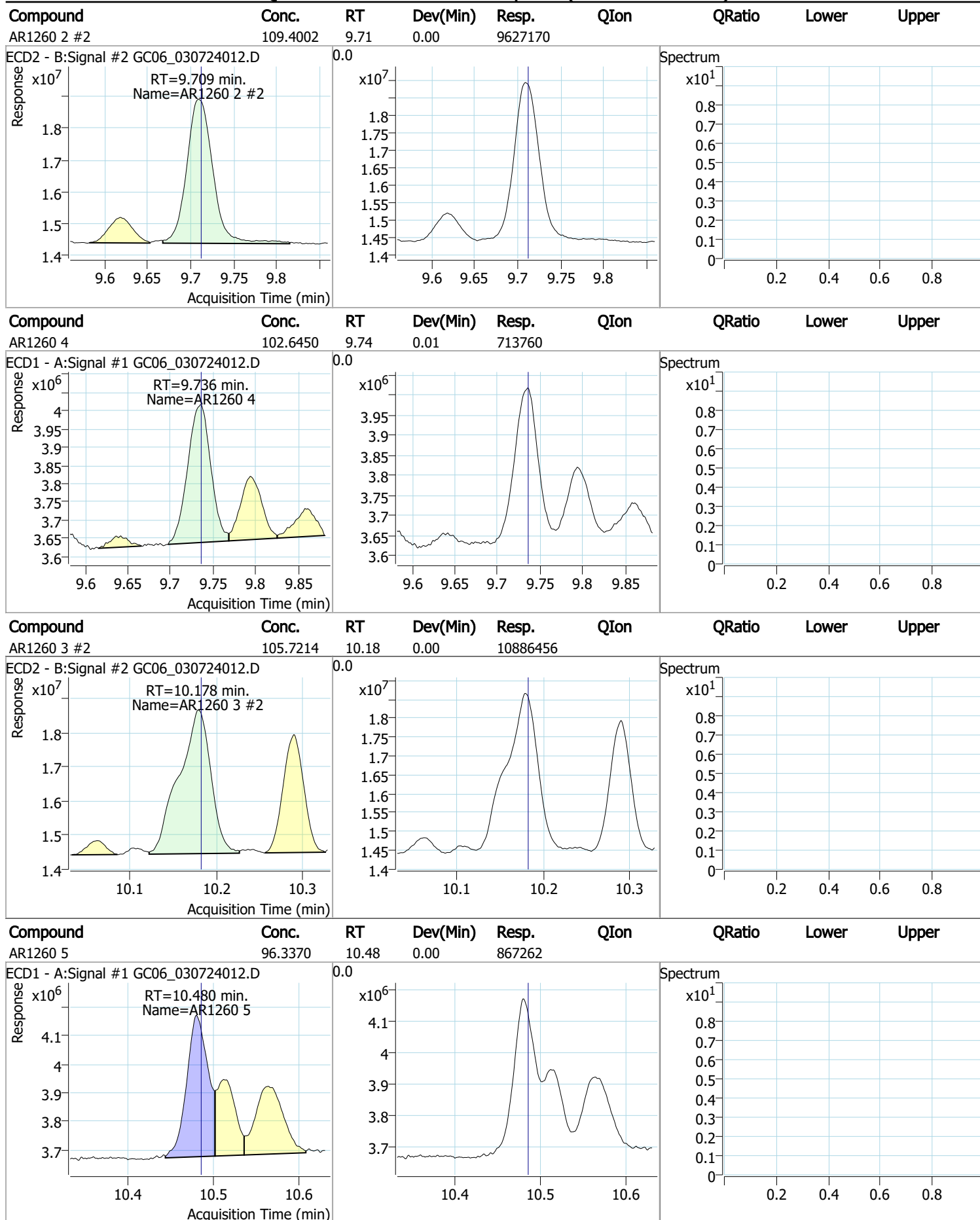
# Quantitation Results Report (Not Reviewed)



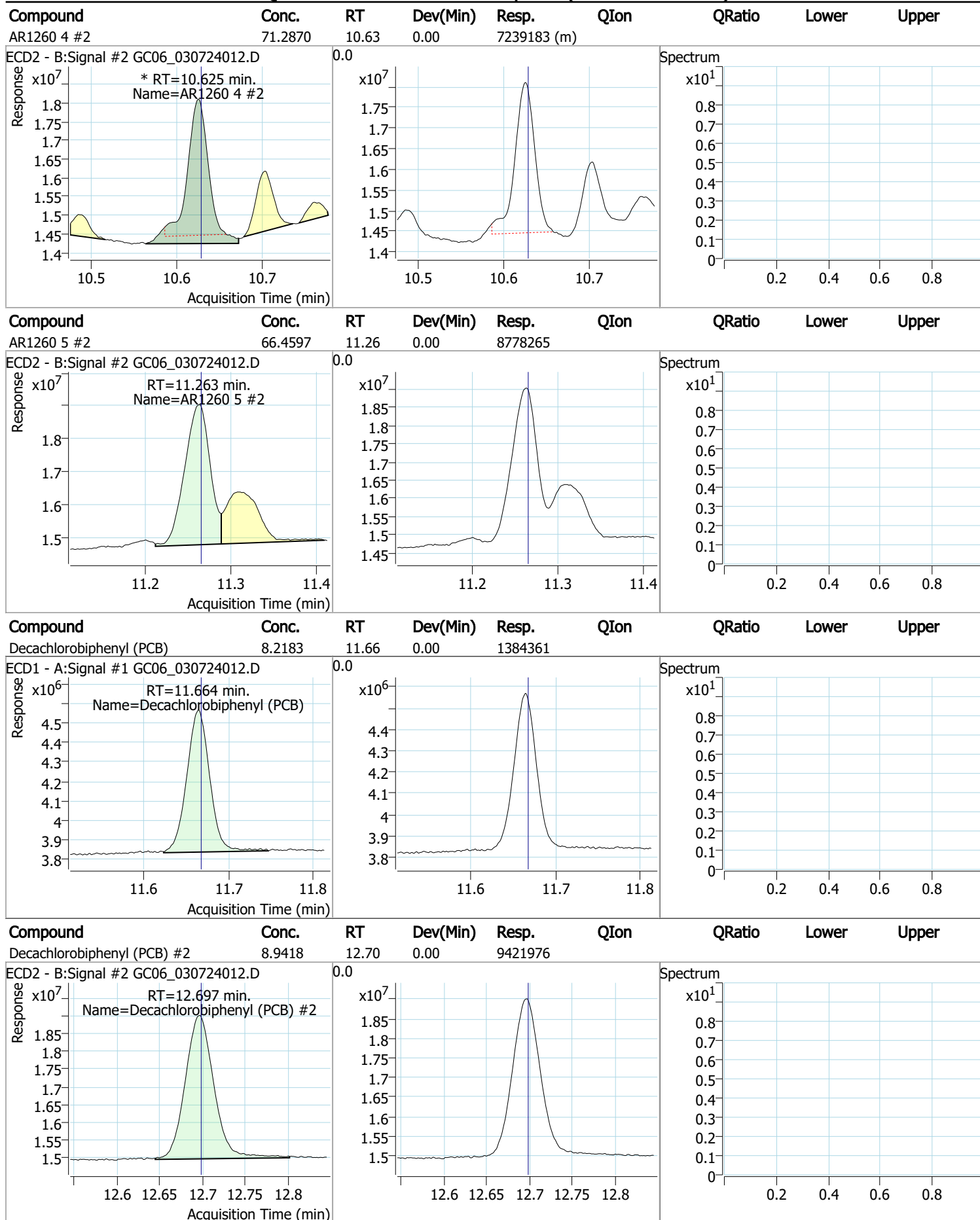
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

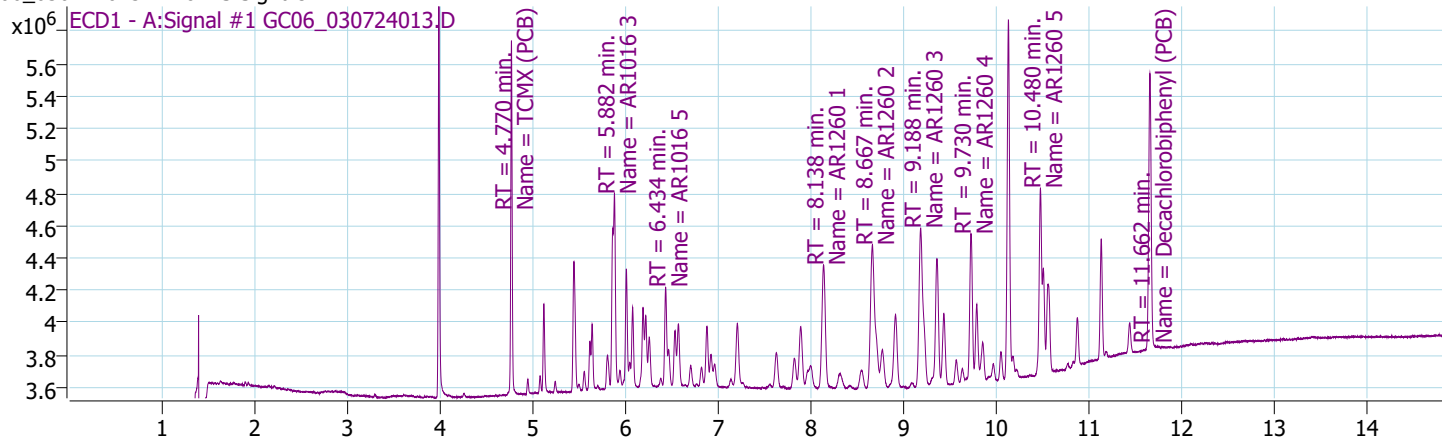


# Quantitation Results Report (Not Reviewed)

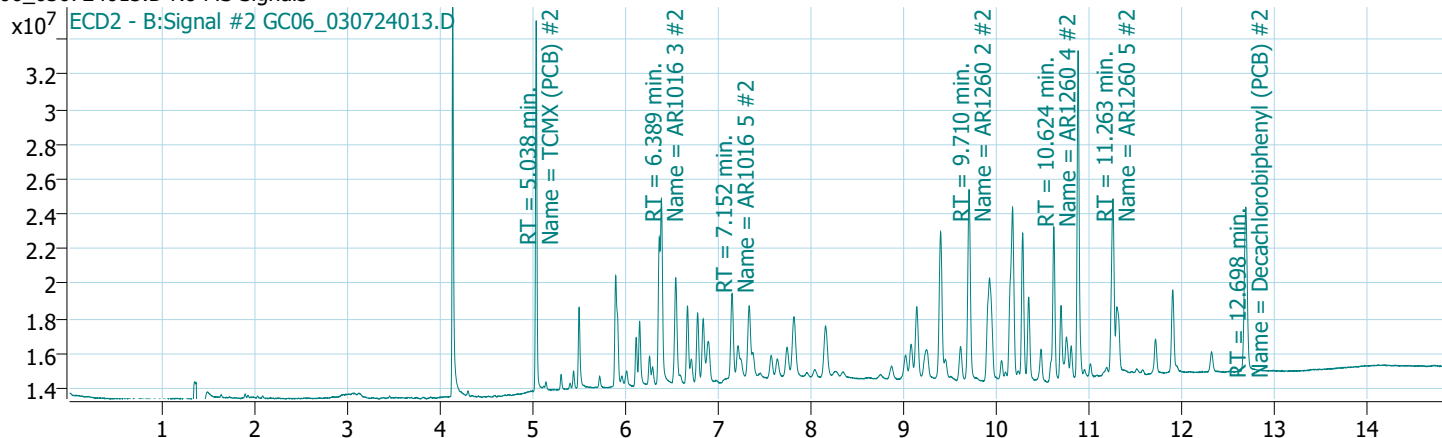
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 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 2:53:16 PM  
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 Multiplier 1.00  
 Comment 250 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724013.D No MS Signals



GC06\_030724013.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.987                | 0.0  | 2528793.69<br>8  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.137                | 0.0  | 25137828.1<br>65 | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.770                | 0.0  | 2375265.23<br>9  | 19.0330            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 95.16%  |       |          |
| S TCMX (PCB) #2                    | 5.038                | 0.0  | 23135315.0<br>74 | 20.0116            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 100.06% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.662               | 0.0  | 3235130.60<br>8  | 19.4263            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 97.13%  |       |          |
| S Decachlorobiphenyl (PCB) #2      | 12.698               | 0.0  | 21475336.2<br>40 | 20.5297            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 102.65% |       |          |

## Target Compounds

QValue

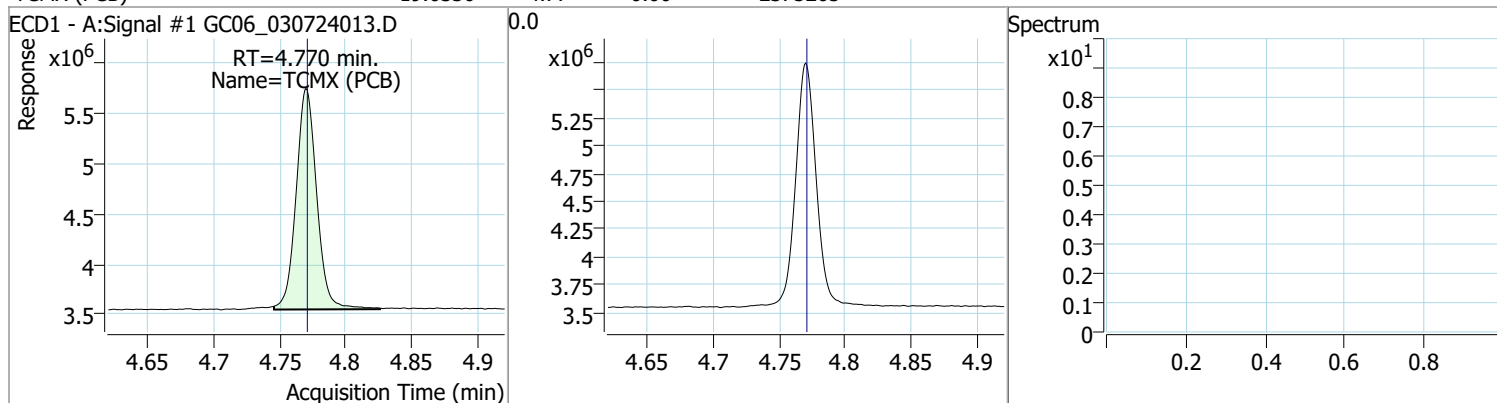
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.120  | 0.0  | 685201.828       | 247.2375 | ng/ml   | 100      |
| T AR1016 2    | 5.445  | 0.0  | 1349668.58<br>3  | 251.8777 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.501  | 0.0  | 6264216.88<br>3  | 250.7931 | ng/ml   | 100      |
| T AR1016 3    | 5.882  | 0.0  | 1711718.56<br>8  | 250.8645 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.896  | 0.0  | 13073325.8<br>42 | 257.1319 | ng/ml   | 100      |
| T AR1016 4    | 6.011  | 0.0  | 1003749.25<br>9  | 245.7870 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.389  | 0.0  | 17929630.5<br>21 | 255.7341 | ng/ml   | 100      |
| T AR1016 5    | 6.434  | 0.0  | 951955.003       | 254.4182 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.543  | 0.0  | 11506953.5<br>08 | 252.3900 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.152  | 0.0  | 9813516.92<br>7  | 264.2936 | ng/ml   | 100      |
| T AR1260 1    | 8.138  | 0.0  | 2031718.73<br>3  | 257.7114 | ng/ml   | 100      |
| T AR1260 2    | 8.667  | 0.0  | 3026876.08<br>5  | 253.4090 | ng/ml   | 100      |
| T AR1260 3    | 9.188  | 0.0  | 3061539.20<br>1  | 248.3733 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.403  | 0.0  | 18191979.6<br>05 | 247.8285 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.710  | 0.0  | 22004825.3<br>92 | 251.8829 | ng/ml   | 100      |
| T AR1260 4    | 9.730  | 0.0  | 1727035.41<br>6  | 251.2194 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.179 | 0.0  | 24990416.5<br>21 | 244.4617 | ng/ml   | 100      |
| T AR1260 5    | 10.480 | 0.0  | 2121145.46<br>4  | 238.3303 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.624 | 0.0  | 15465365.9<br>00 | 232.6451 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.263 | 0.0  | 20678787.2<br>96 | 243.4258 | ng/ml   | 100      |

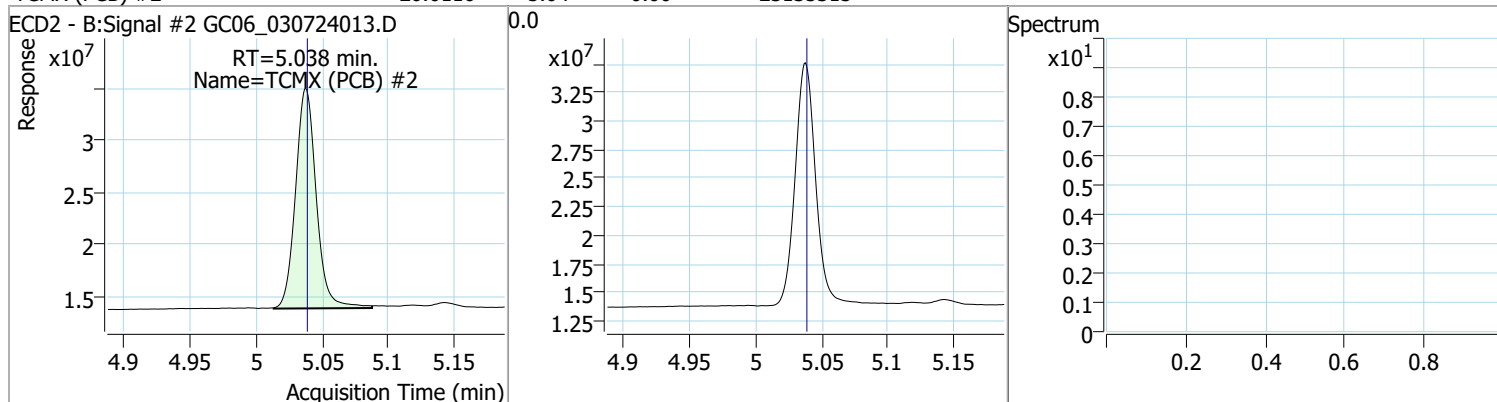
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

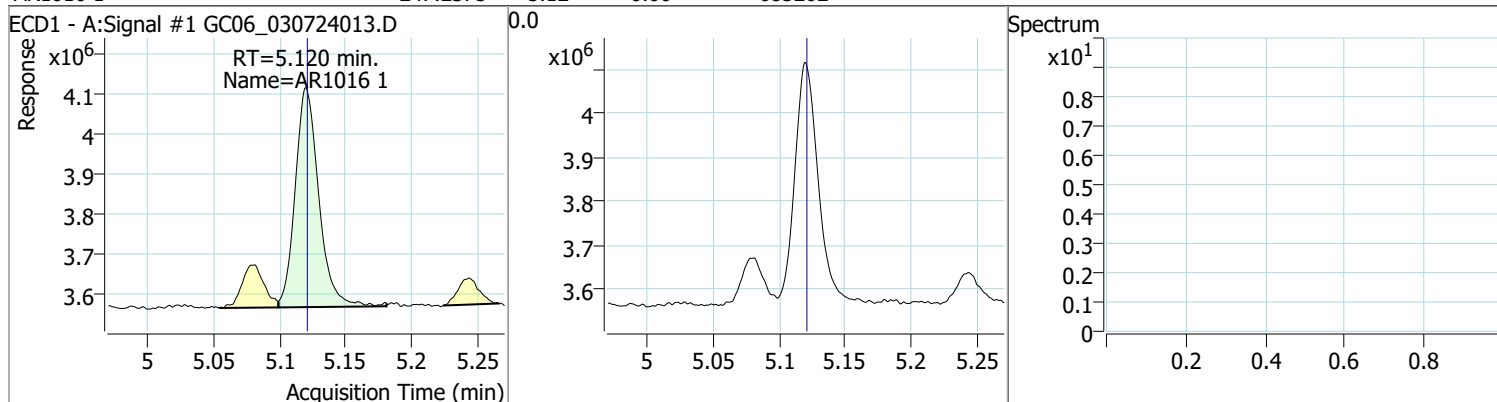
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 19.0330 | 4.77 | 0.00     | 2375265 |      |        |       |       |



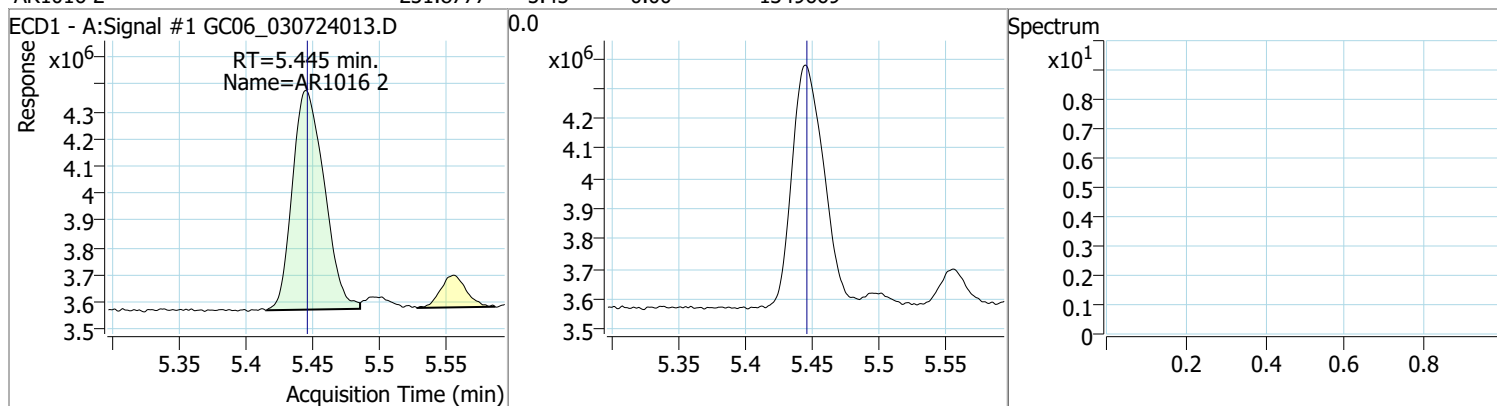
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 20.0116 | 5.04 | 0.00     | 23135315 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 247.2375 | 5.12 | 0.00     | 685202 |      |        |       |       |

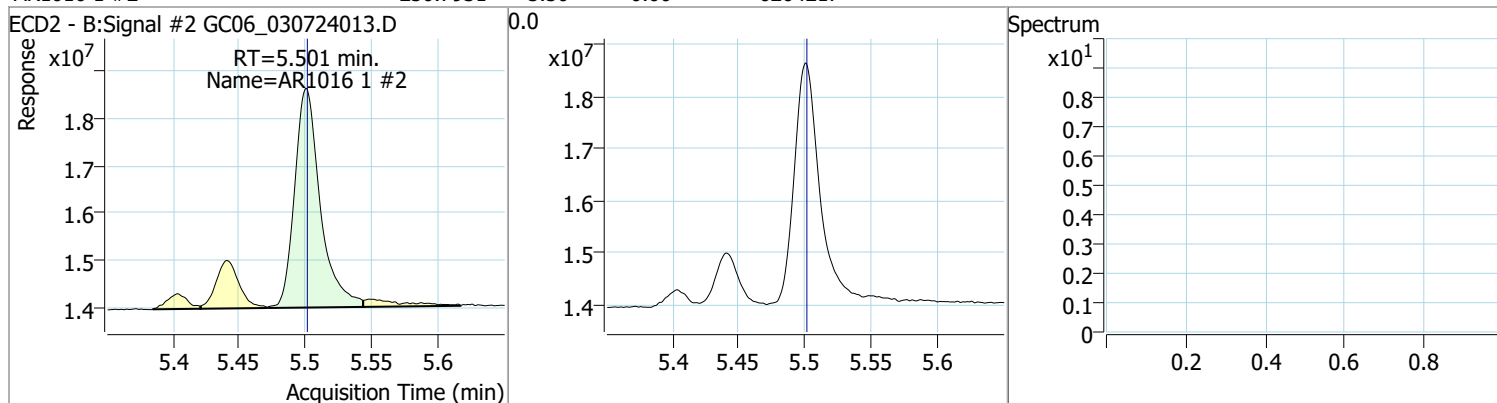


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 251.8777 | 5.45 | 0.00     | 1349669 |      |        |       |       |

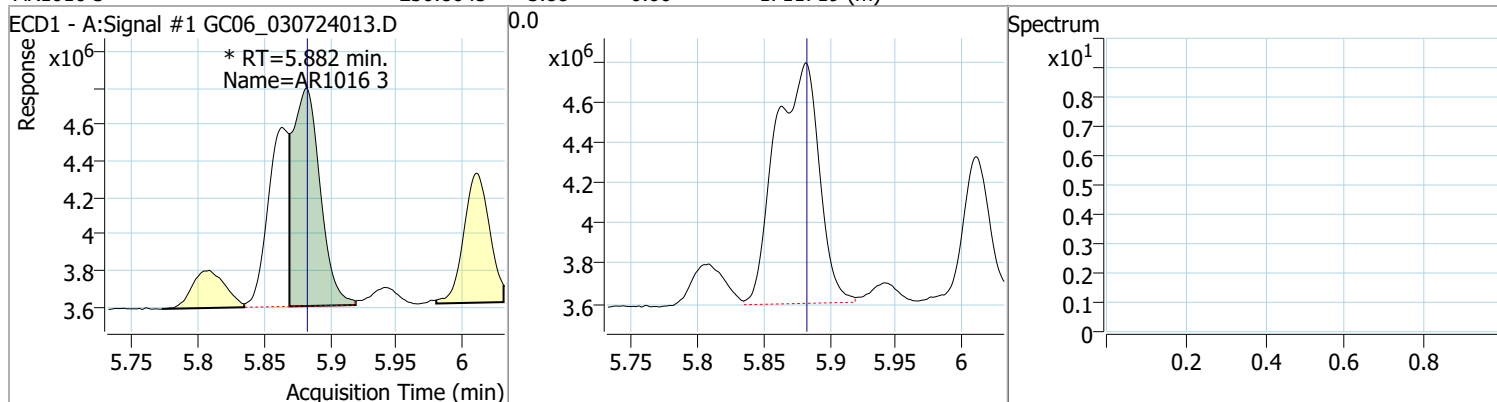


# Quantitation Results Report (Not Reviewed)

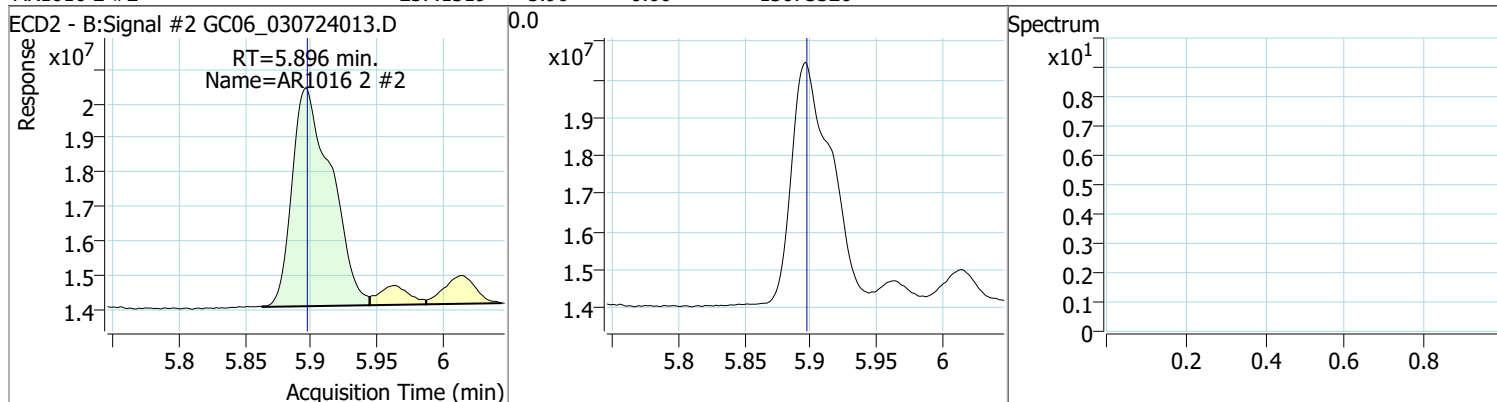
| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 250.7931 | 5.50 | 0.00     | 6264217 |      |        |       |       |



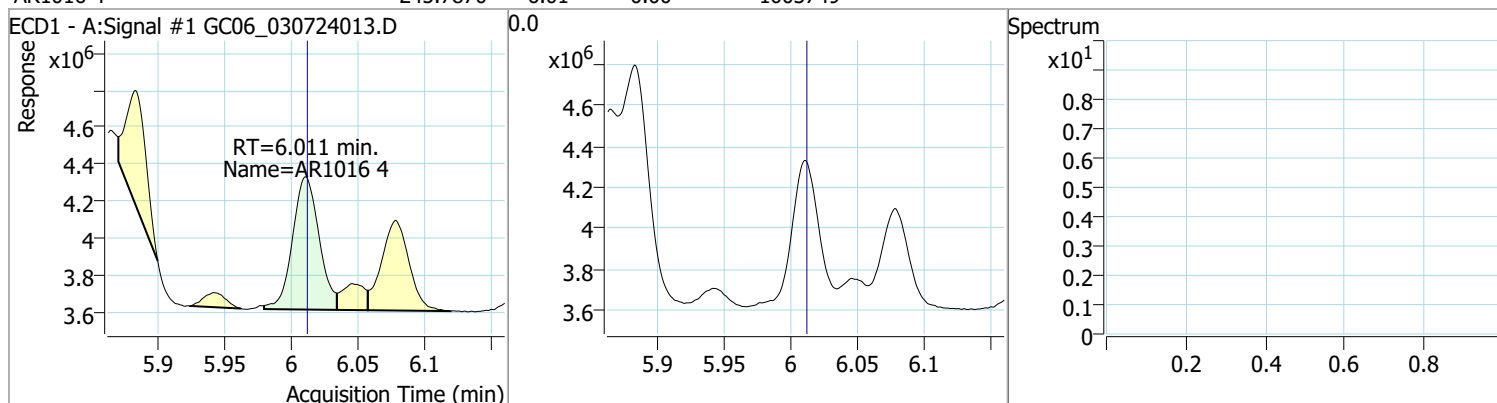
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 250.8645 | 5.88 | 0.00     | 1711719 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 257.1319 | 5.90 | 0.00     | 13073326 |      |        |       |       |



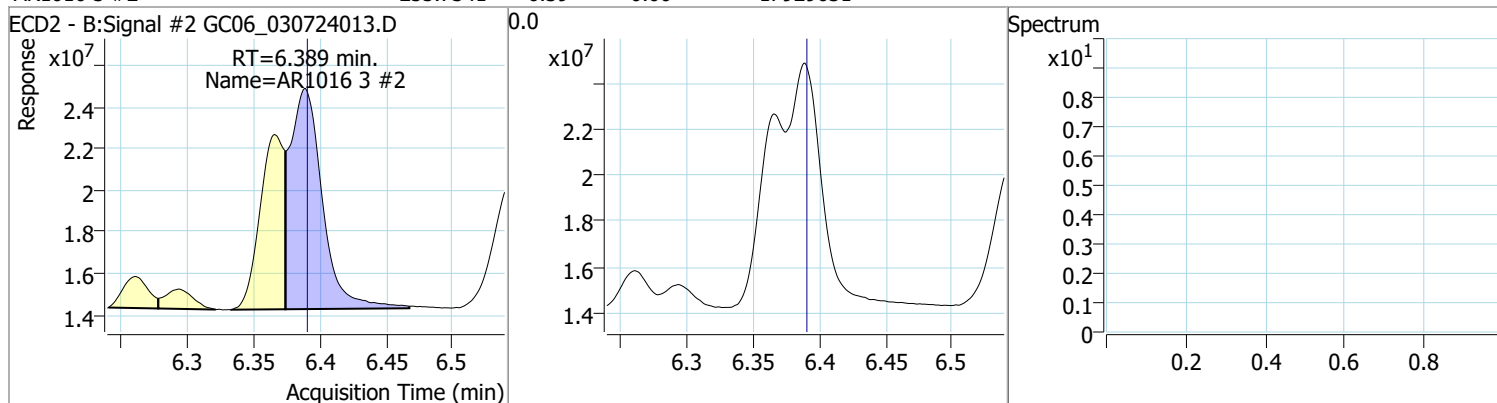
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 245.7870 | 6.01 | 0.00     | 1003749 |      |        |       |       |



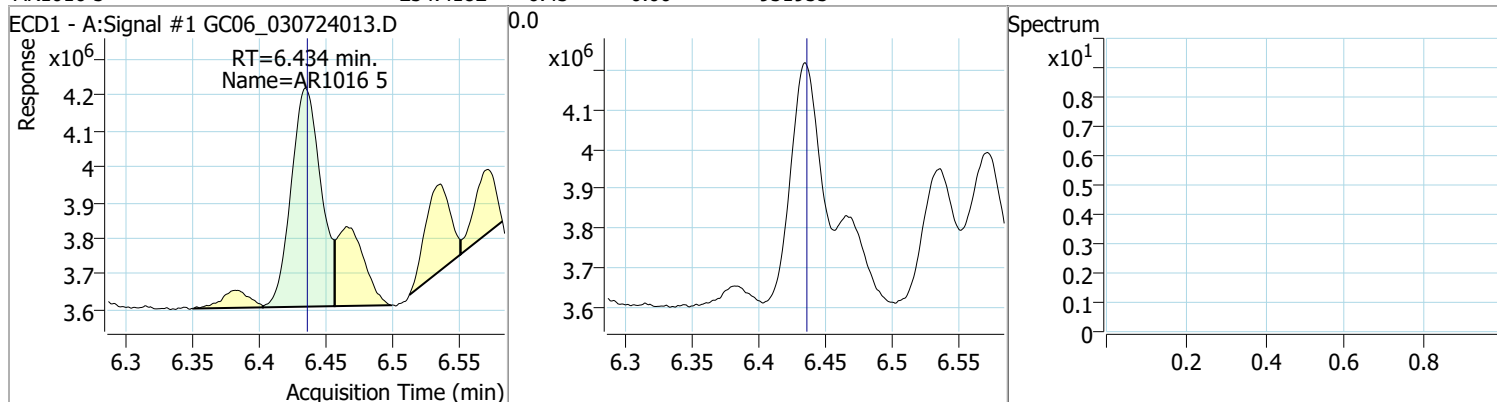


# Quantitation Results Report (Not Reviewed)

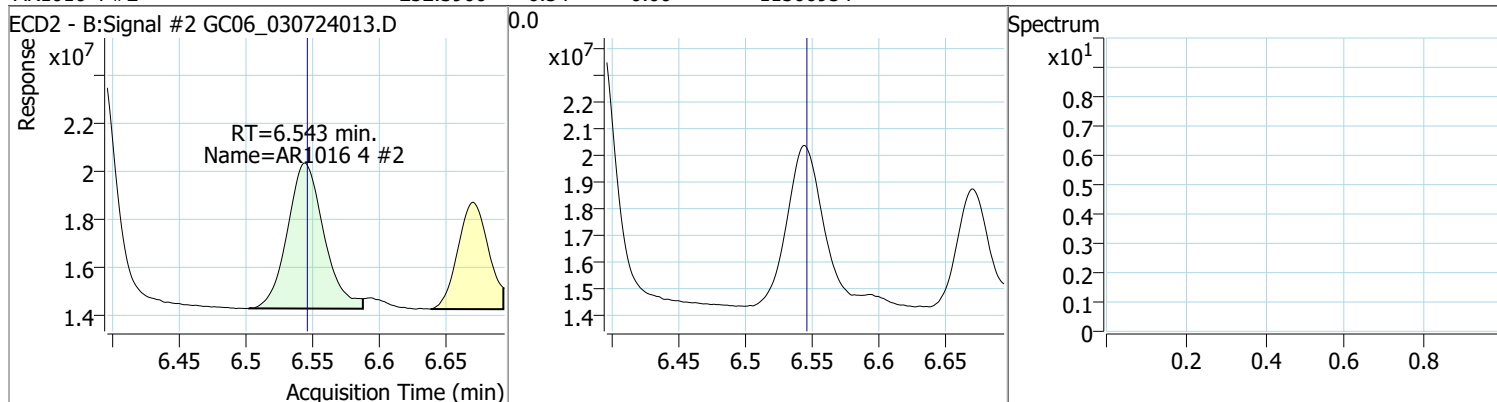
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 3 #2 | 255.7341 | 6.39 | 0.00     | 17929631 |      |        |       |       |



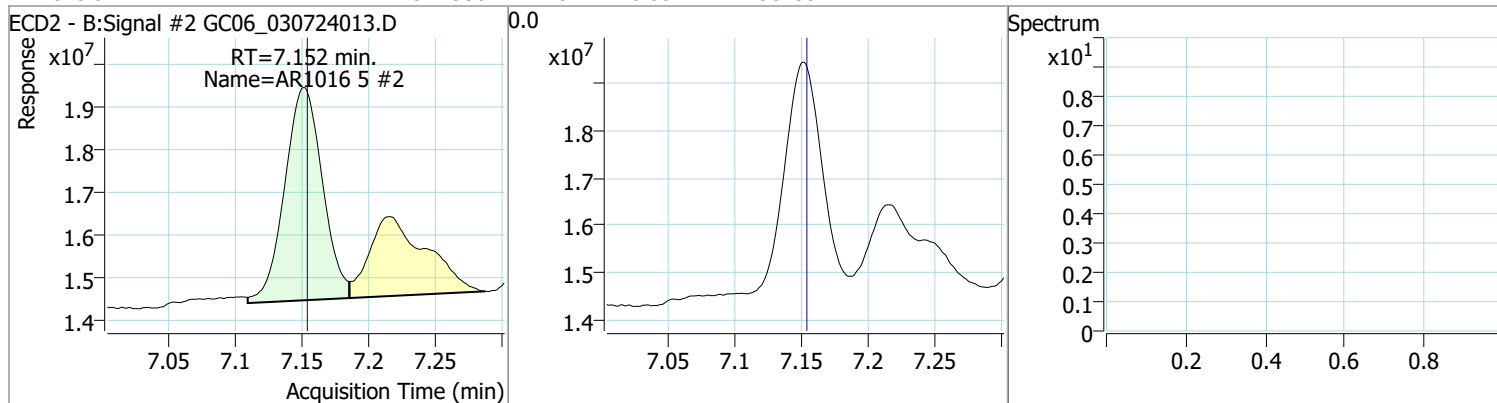
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 5 | 254.4182 | 6.43 | 0.00     | 951955 |      |        |       |       |



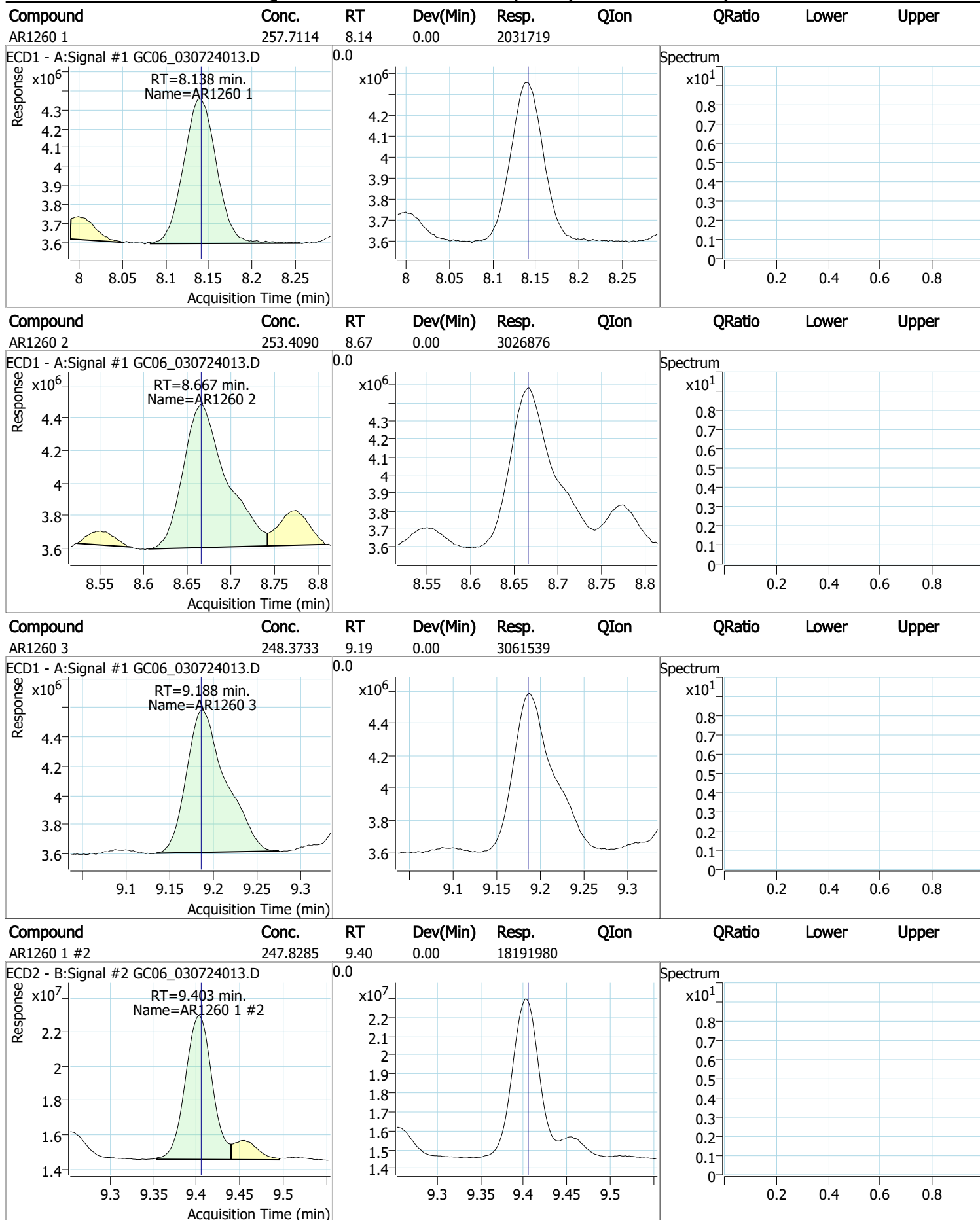
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 4 #2 | 252.3900 | 6.54 | 0.00     | 11506954 |      |        |       |       |



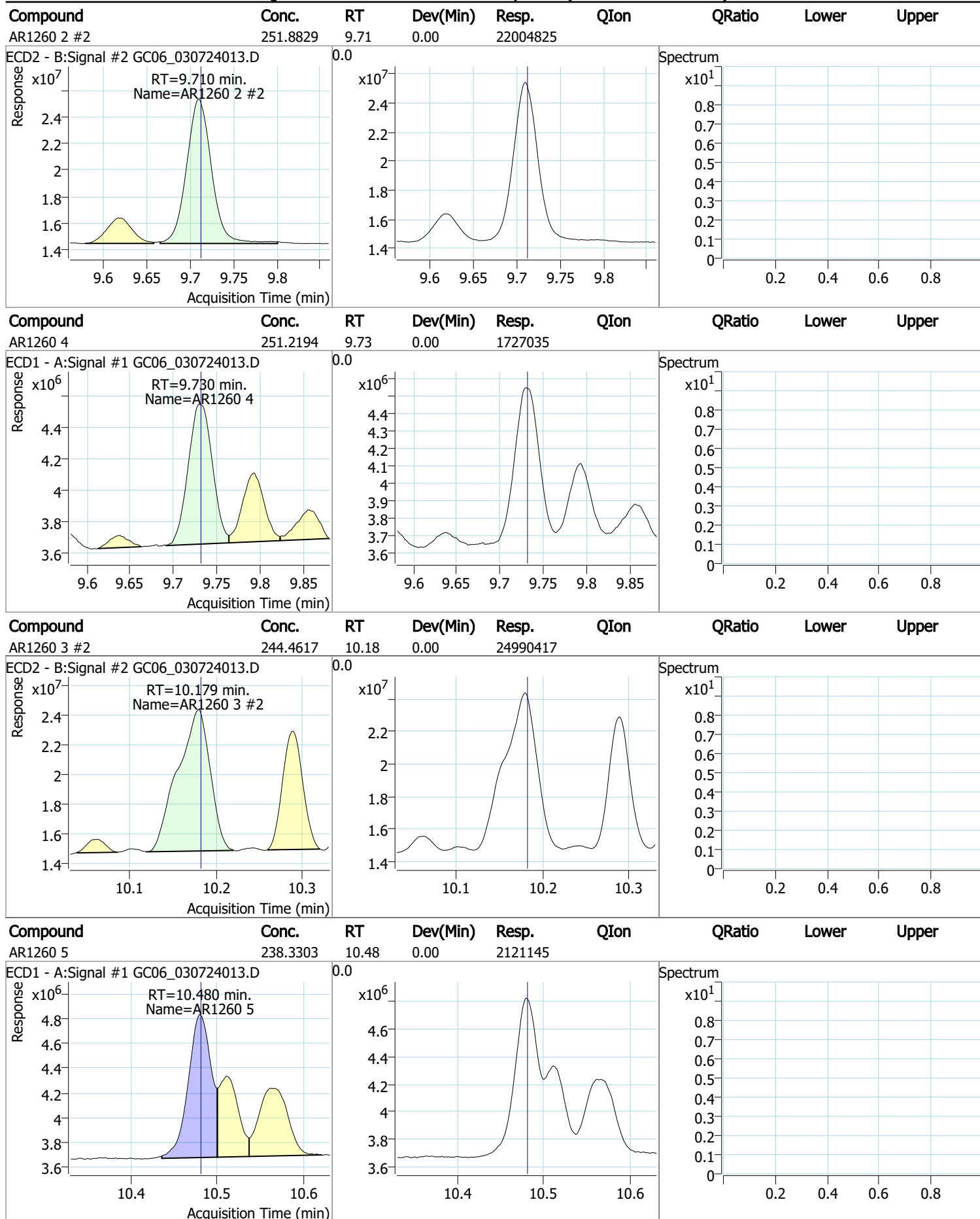
| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 5 #2 | 264.2936 | 7.15 | 0.00     | 9813517 |      |        |       |       |



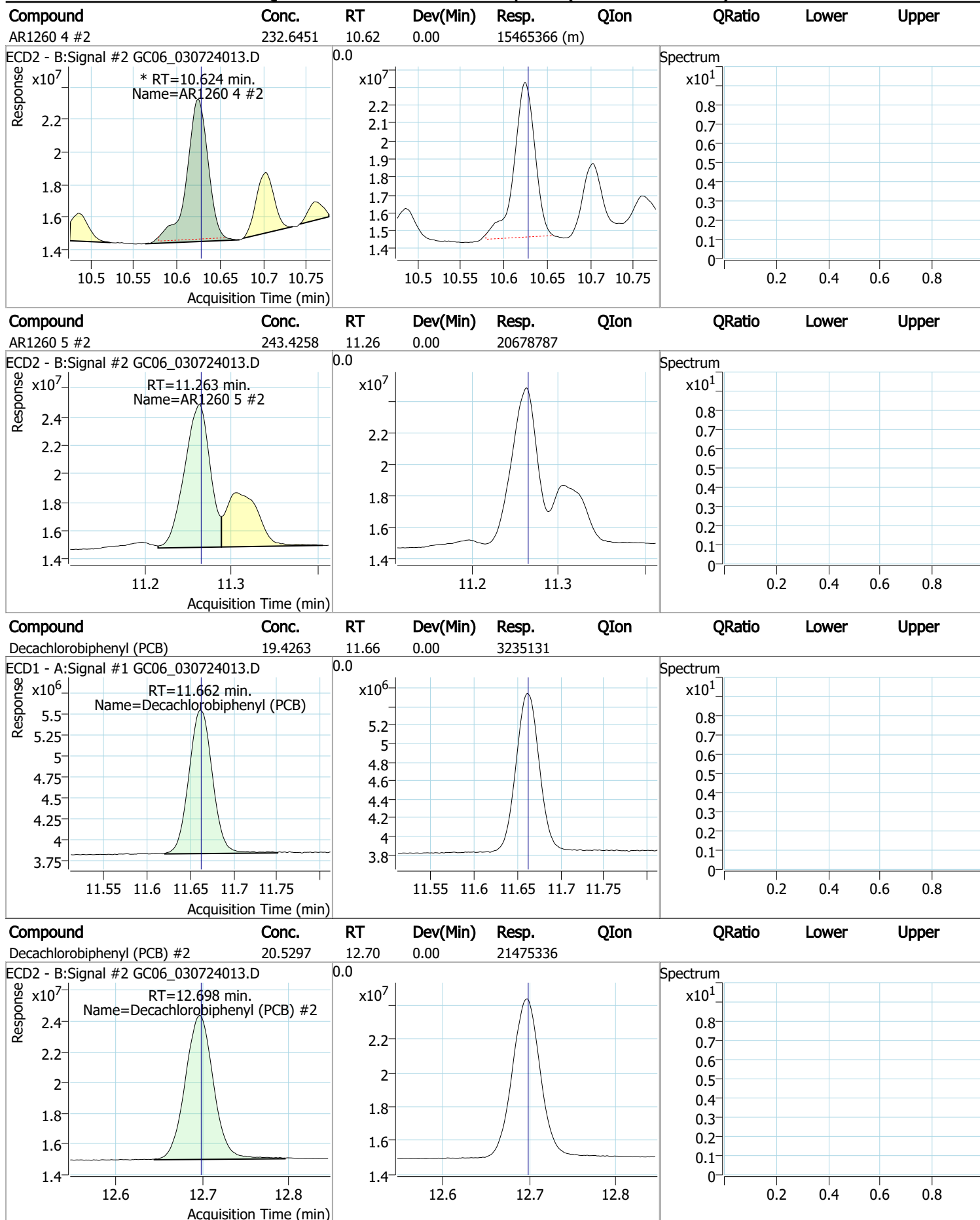
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

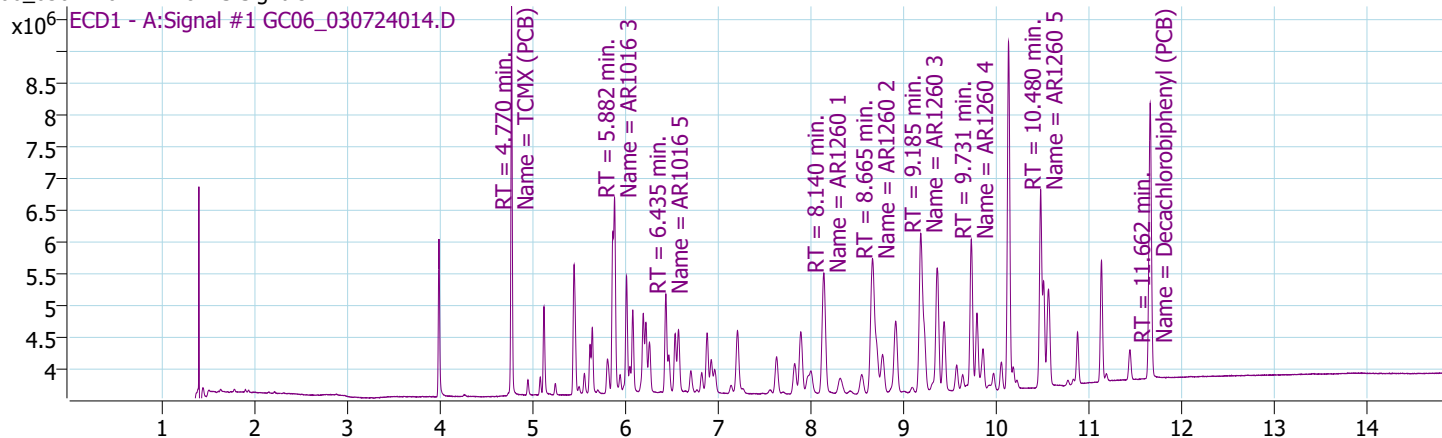


# Quantitation Results Report (Not Reviewed)

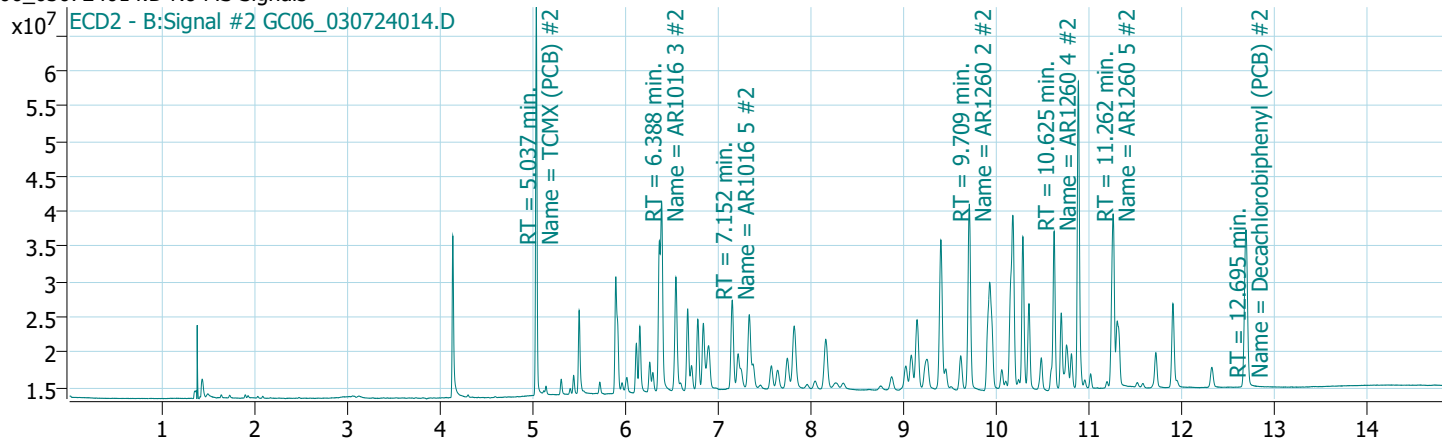
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 Acq. Method Acq\_Pesticide\_122221\_3  
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 Tune File ATUNE.U  
 Batch Name 030724PCBICAL.batch.bin  
 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 3:13:00 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 500 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724014.D No MS Signals



GC06\_030724014.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.987                | 0.0  | 2625697.05<br>5  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.136                | 0.0  | 26977190.5<br>51 | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.770                | 0.0  | 6447548.69<br>7  | 49.7575            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 248.79% | *     |          |
| S TCMX (PCB) #2                    | 5.037                | 0.0  | 59255998.0<br>00 | 47.7606            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 238.80% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.662               | 0.0  | 8311031.32<br>1  | 48.0641            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 240.32% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.695               | 0.0  | 52616194.8<br>43 | 46.8698            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 234.35% | *     |          |

## Target Compounds

QValue

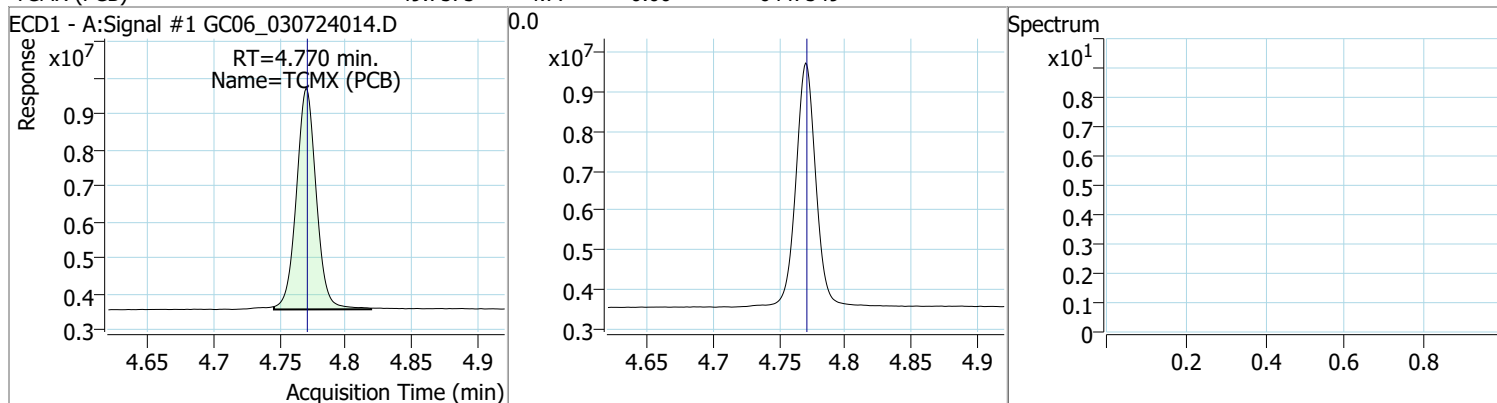
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.120  | 0.0  | 1770892.27<br>4  | 615.3991 | ng/ml   | 100      |
| T AR1016 2    | 5.445  | 0.0  | 3413953.75<br>9  | 613.6053 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.499  | 0.0  | 16282268.5<br>70 | 607.4279 | ng/ml   | 100      |
| T AR1016 3    | 5.882  | 0.0  | 4213396.69<br>0  | 594.7138 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.895  | 0.0  | 32389066.0<br>71 | 593.6073 | ng/ml   | 100      |
| T AR1016 4    | 6.011  | 0.0  | 2581341.12<br>9  | 608.7624 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.388  | 0.0  | 43954408.7<br>62 | 584.1855 | ng/ml m | 100      |
| T AR1016 5    | 6.435  | 0.0  | 2432767.38<br>0  | 626.1828 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.543  | 0.0  | 29487064.8<br>31 | 602.6627 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.152  | 0.0  | 24063072.5<br>98 | 603.8709 | ng/ml   | 100      |
| T AR1260 1    | 8.140  | 0.0  | 5022603.99<br>0  | 613.5752 | ng/ml   | 100      |
| T AR1260 2    | 8.665  | 0.0  | 7625794.09<br>9  | 614.8671 | ng/ml   | 100      |
| T AR1260 3    | 9.185  | 0.0  | 7812562.87<br>6  | 610.4180 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.403  | 0.0  | 44950614.3<br>51 | 570.6081 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.709  | 0.0  | 52551461.7<br>10 | 560.5270 | ng/ml   | 100      |
| T AR1260 4    | 9.731  | 0.0  | 4434589.39<br>4  | 621.2610 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.179 | 0.0  | 64405927.7<br>51 | 587.0757 | ng/ml   | 100      |
| T AR1260 5    | 10.480 | 0.0  | 5647604.86<br>6  | 611.1416 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.625 | 0.0  | 39659059.3<br>91 | 651.4956 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.262 | 0.0  | 51552796.5<br>16 | 648.1022 | ng/ml   | 100      |

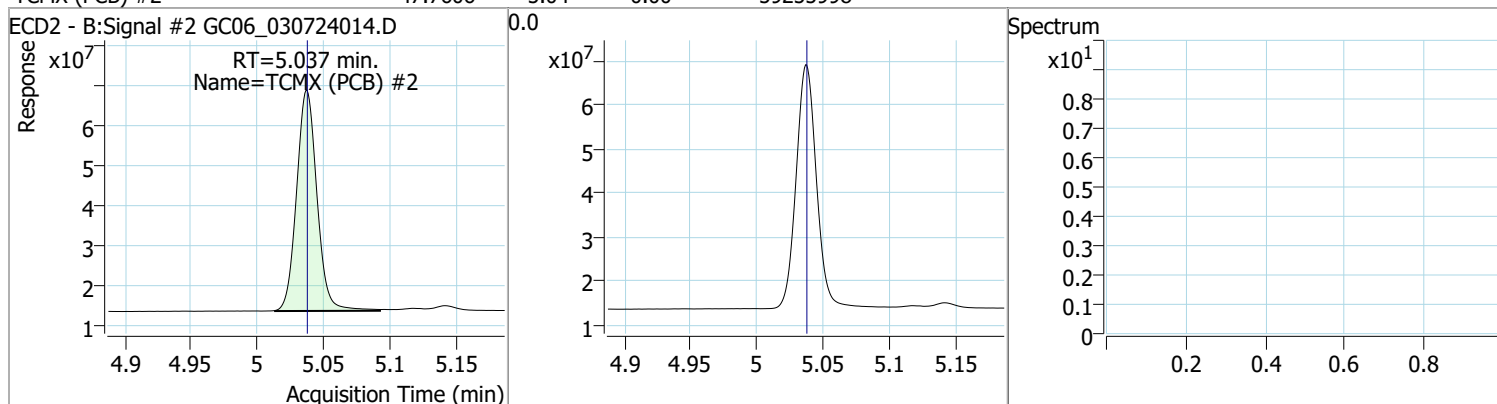
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

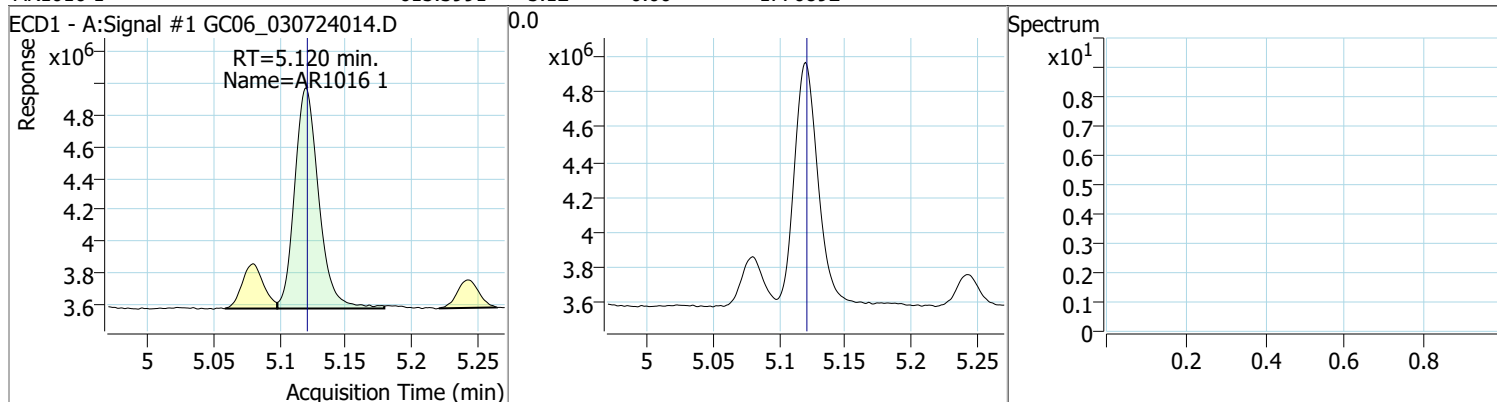
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 49.7575 | 4.77 | 0.00     | 6447549 |      |        |       |       |



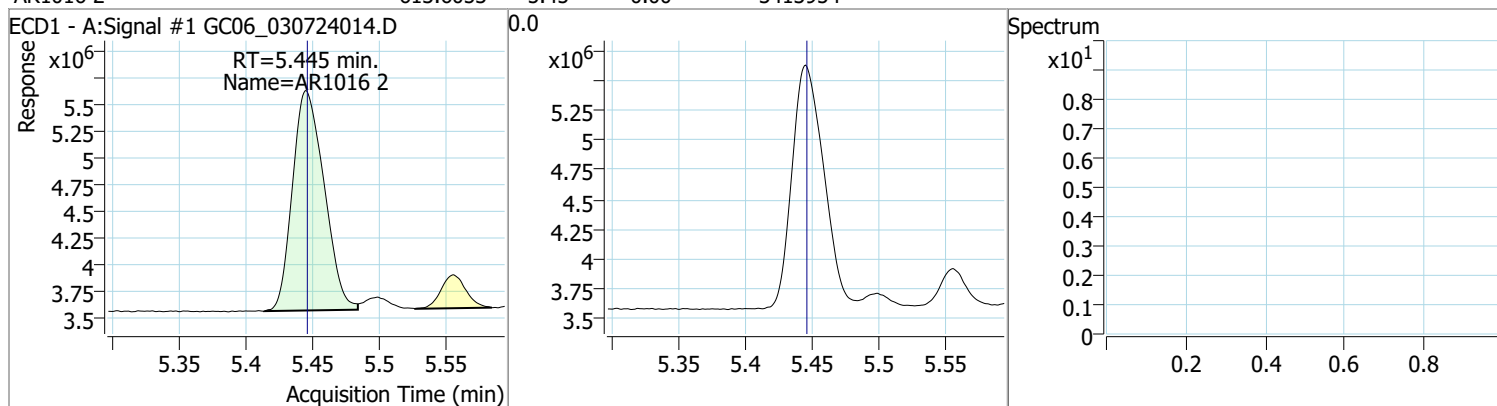
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 47.7606 | 5.04 | 0.00     | 59255998 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 615.3991 | 5.12 | 0.00     | 1770892 |      |        |       |       |

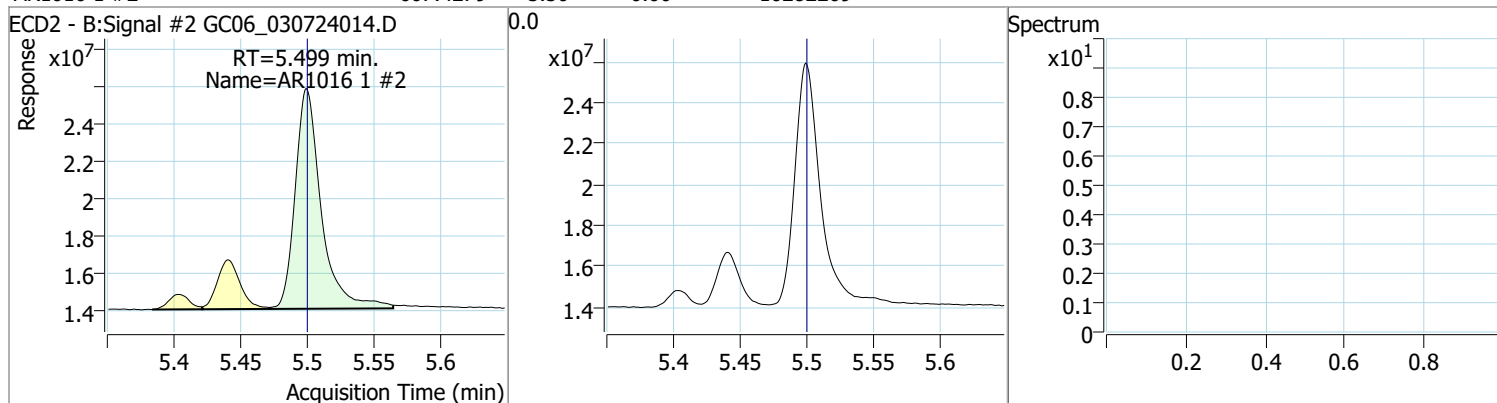


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 613.6053 | 5.45 | 0.00     | 3413954 |      |        |       |       |

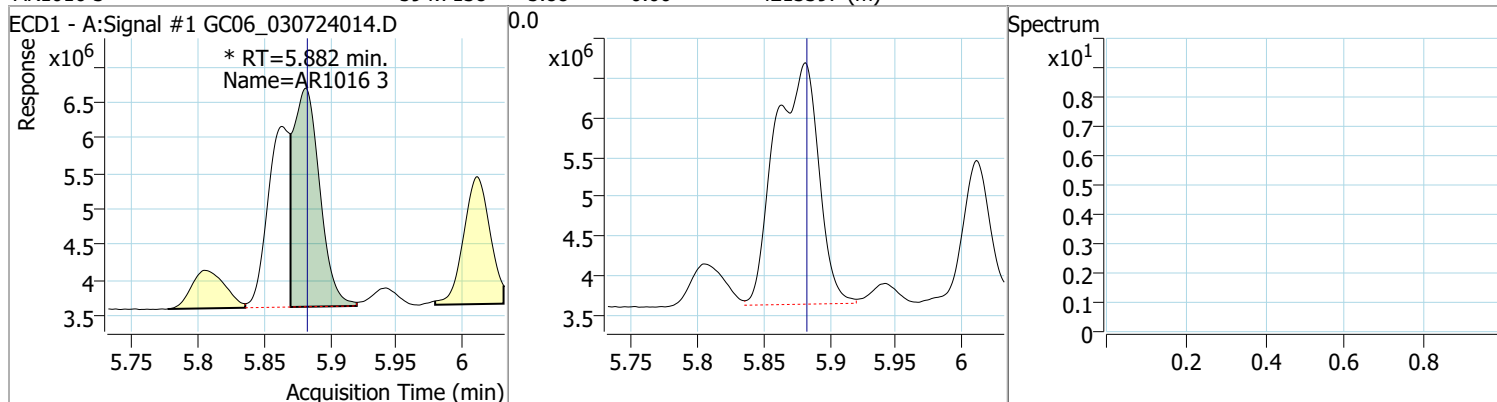


# Quantitation Results Report (Not Reviewed)

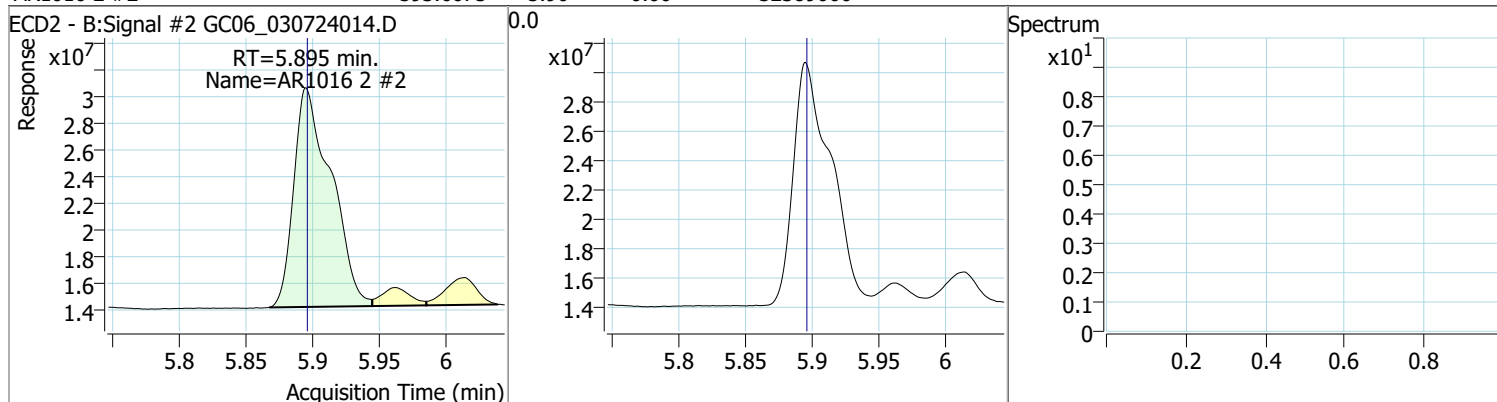
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 607.4279 | 5.50 | 0.00     | 16282269 |      |        |       |       |



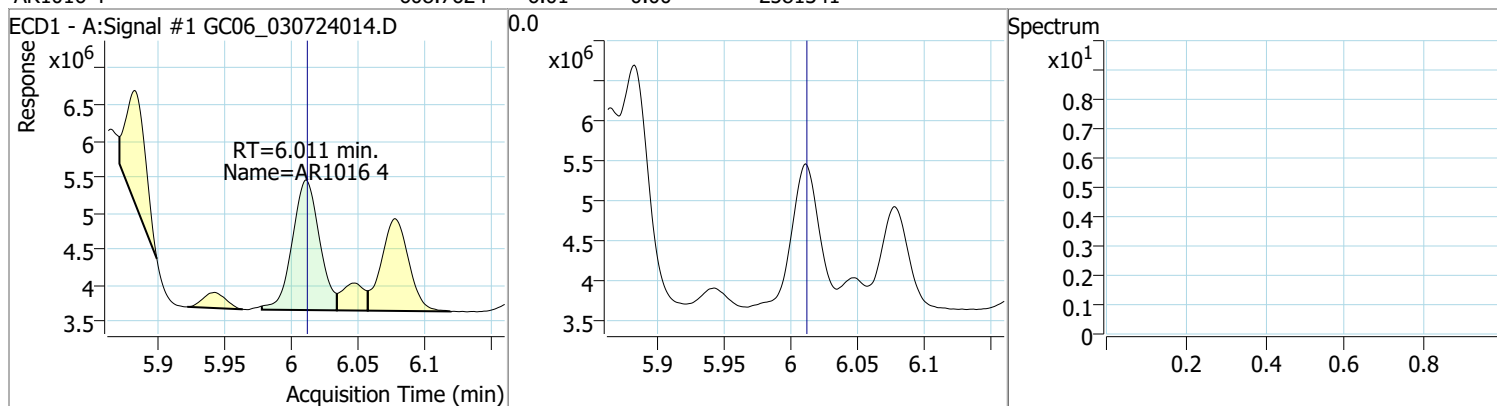
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 594.7138 | 5.88 | 0.00     | 4213397 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 593.6073 | 5.90 | 0.00     | 32389066 |      |        |       |       |

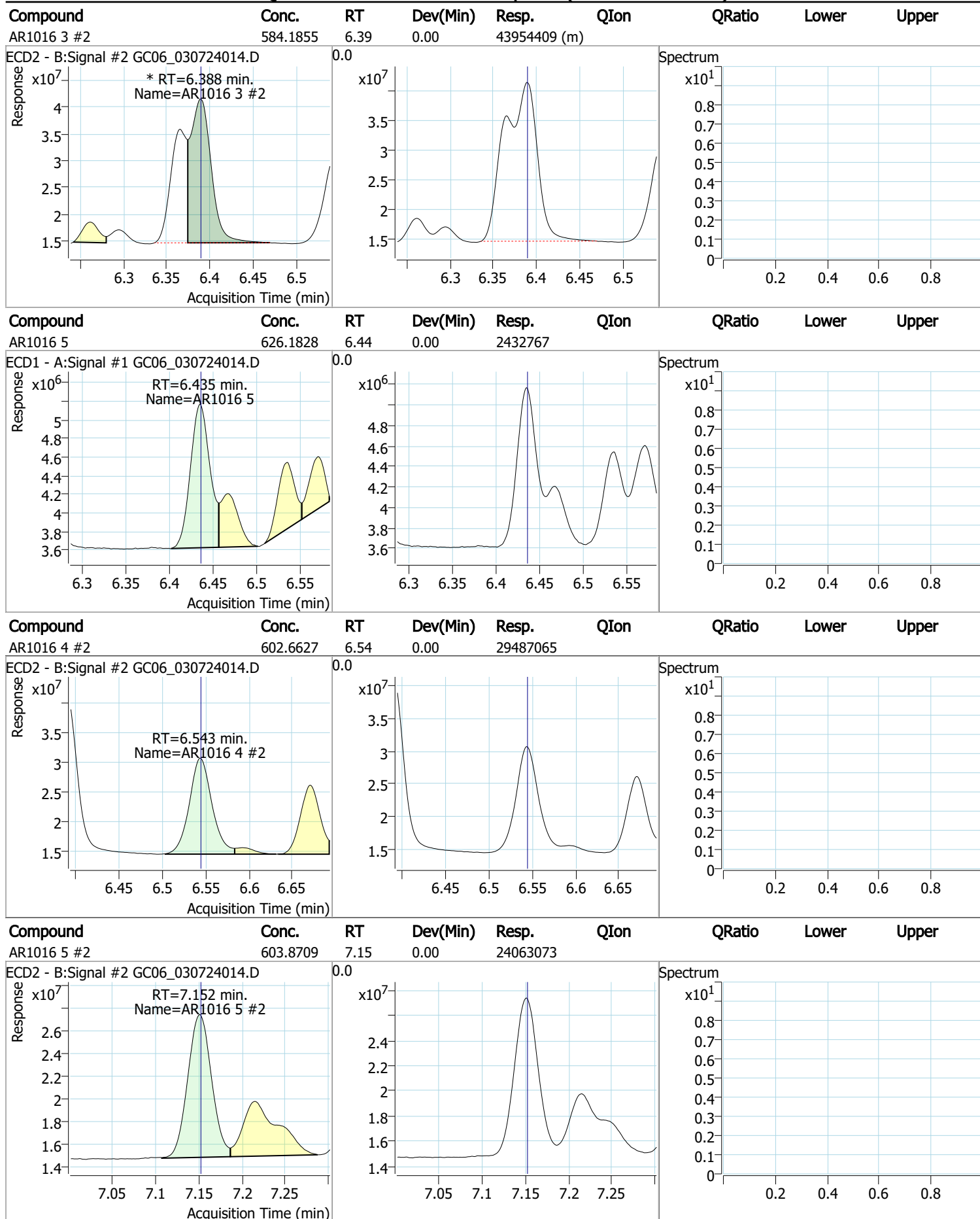


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 608.7624 | 6.01 | 0.00     | 2581341 |      |        |       |       |

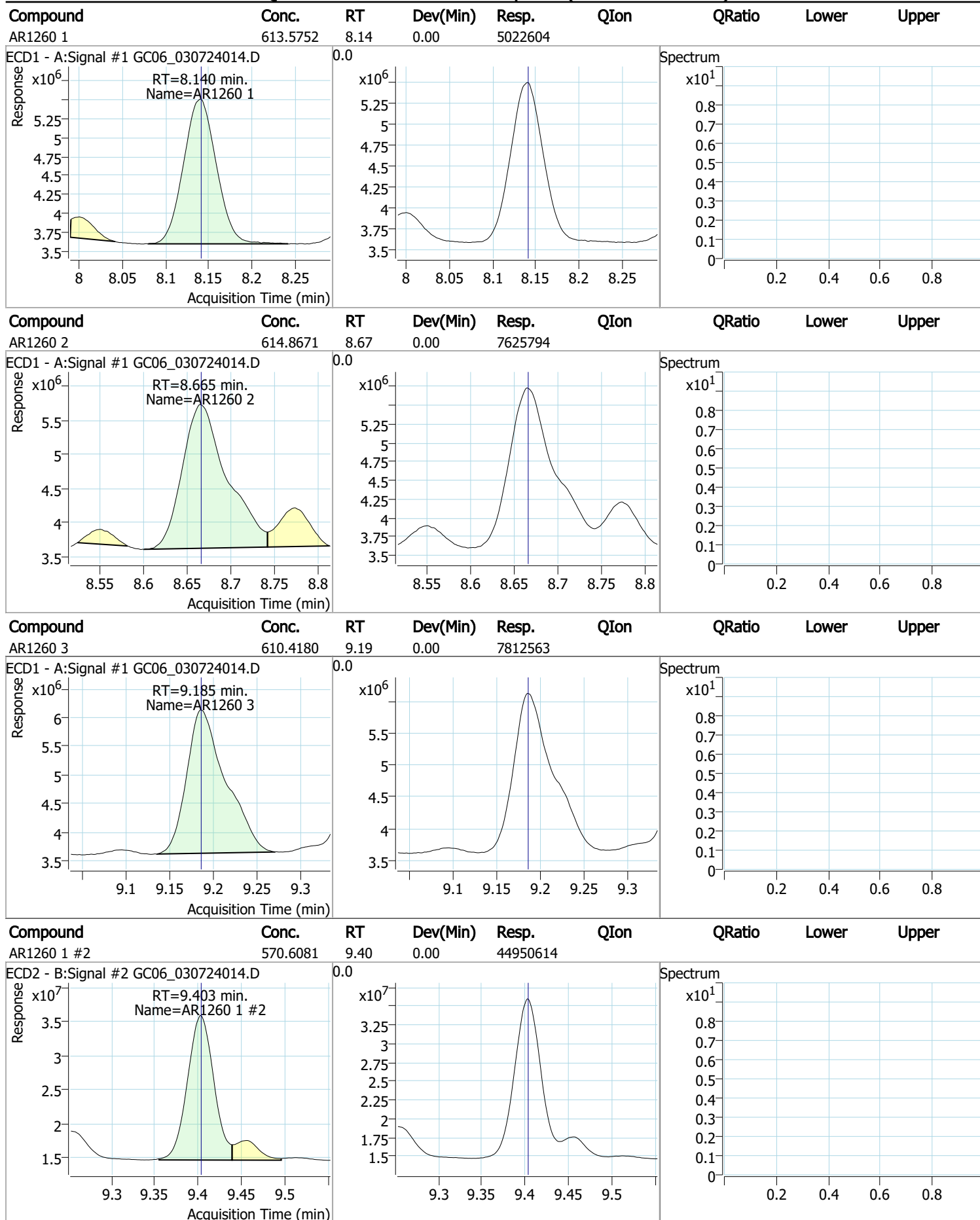




# Quantitation Results Report (Not Reviewed)

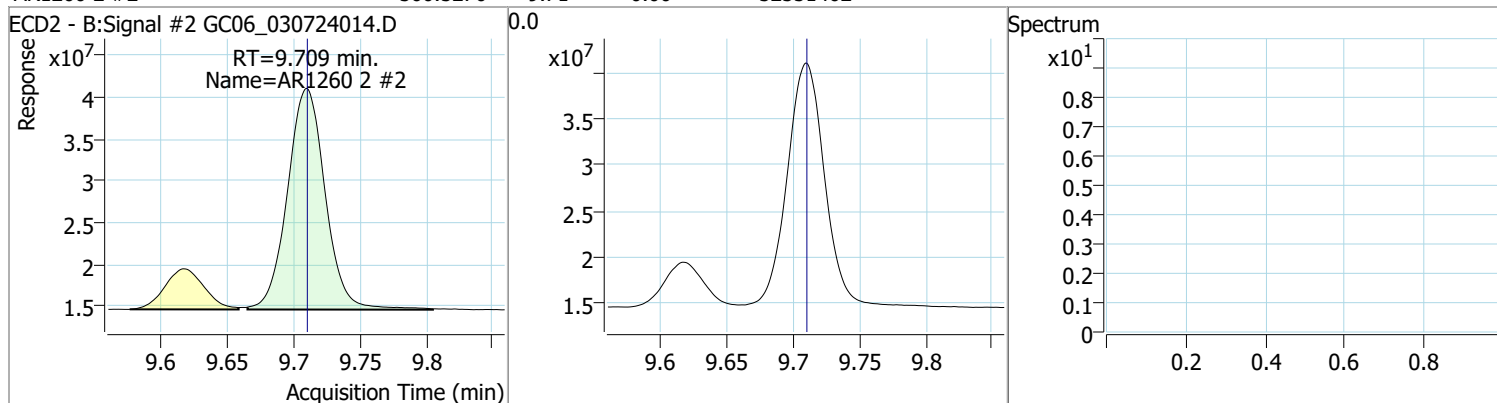


# Quantitation Results Report (Not Reviewed)

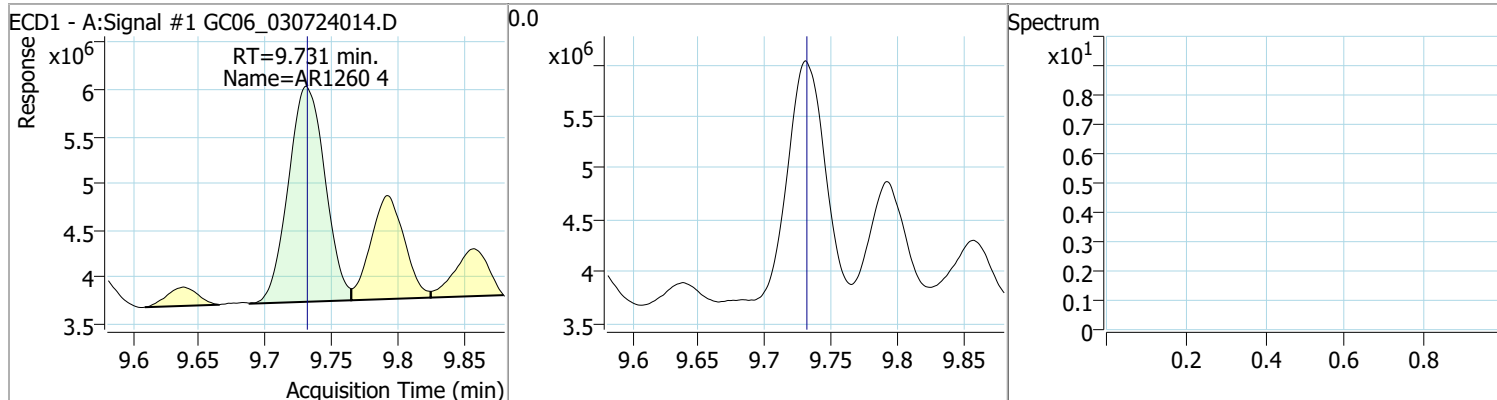


# Quantitation Results Report (Not Reviewed)

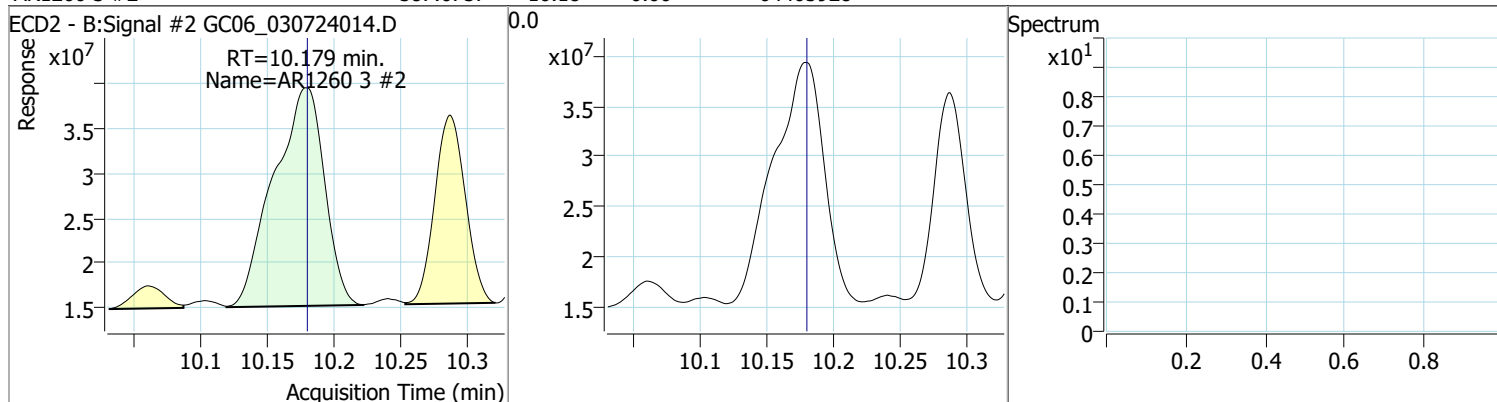
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 #2 | 560.5270 | 9.71 | 0.00     | 52551462 |      |        |       |       |



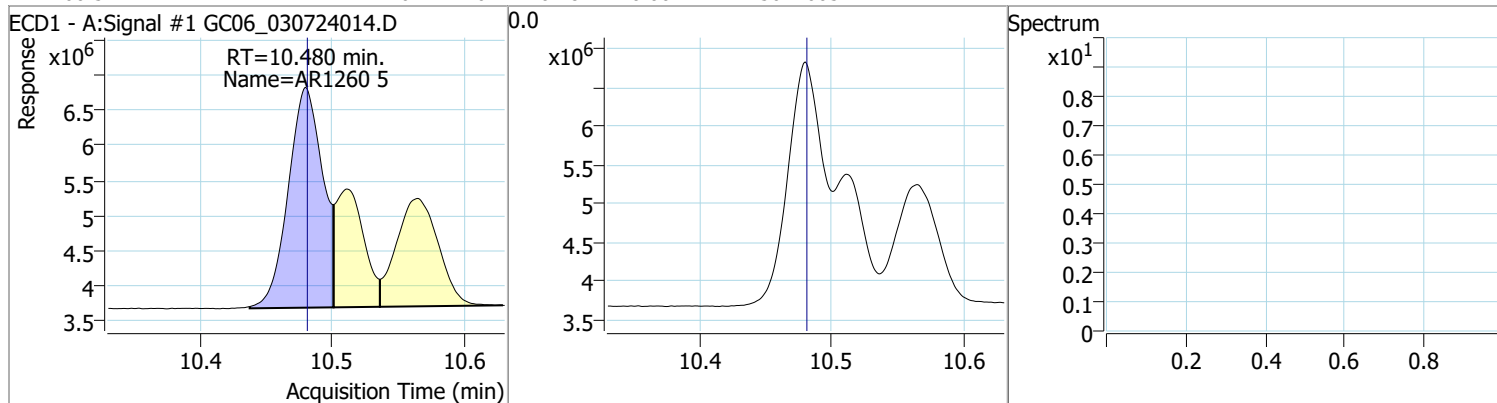
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 621.2610 | 9.73 | 0.00     | 4434589 |      |        |       |       |



| Compound    | Conc.    | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|-------|----------|----------|------|--------|-------|-------|
| AR1260 3 #2 | 587.0757 | 10.18 | 0.00     | 64405928 |      |        |       |       |



| Compound | Conc.    | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|---------|------|--------|-------|-------|
| AR1260 5 | 611.1416 | 10.48 | 0.00     | 5647605 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

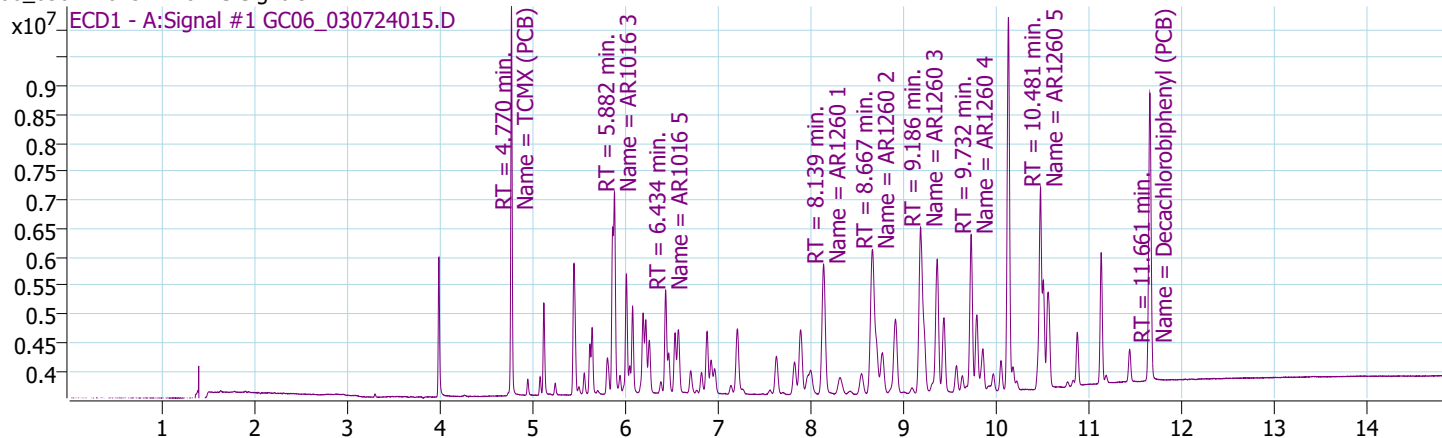
| Compound                                                                                                       | Conc.    | RT    | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
|----------------------------------------------------------------------------------------------------------------|----------|-------|----------|--------------|------|--------|-------|-------|
| AR1260 4 #2                                                                                                    | 651.4956 | 10.63 | 0.00     | 39659059 (m) |      |        |       |       |
| <div> <div> <p>ECD2 - B:Signal #2 GC06_030724014.D</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div> |          |       |          |              |      |        |       |       |
| Compound                                                                                                       | Conc.    | RT    | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
| AR1260 5 #2                                                                                                    | 648.1022 | 11.26 | 0.00     | 51552797     |      |        |       |       |
| <div> <div> <p>ECD2 - B:Signal #2 GC06_030724014.D</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div> |          |       |          |              |      |        |       |       |
| Compound                                                                                                       | Conc.    | RT    | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
| Decachlorobiphenyl (PCB)                                                                                       | 48.0641  | 11.66 | 0.00     | 8311031      |      |        |       |       |
| <div> <div> <p>ECD1 - A:Signal #1 GC06_030724014.D</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div> |          |       |          |              |      |        |       |       |
| Compound                                                                                                       | Conc.    | RT    | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
| Decachlorobiphenyl (PCB) #2                                                                                    | 46.8698  | 12.70 | 0.00     | 52616195     |      |        |       |       |
| <div> <div> <p>ECD2 - B:Signal #2 GC06_030724014.D</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div> |          |       |          |              |      |        |       |       |

# Quantitation Results Report (Not Reviewed)

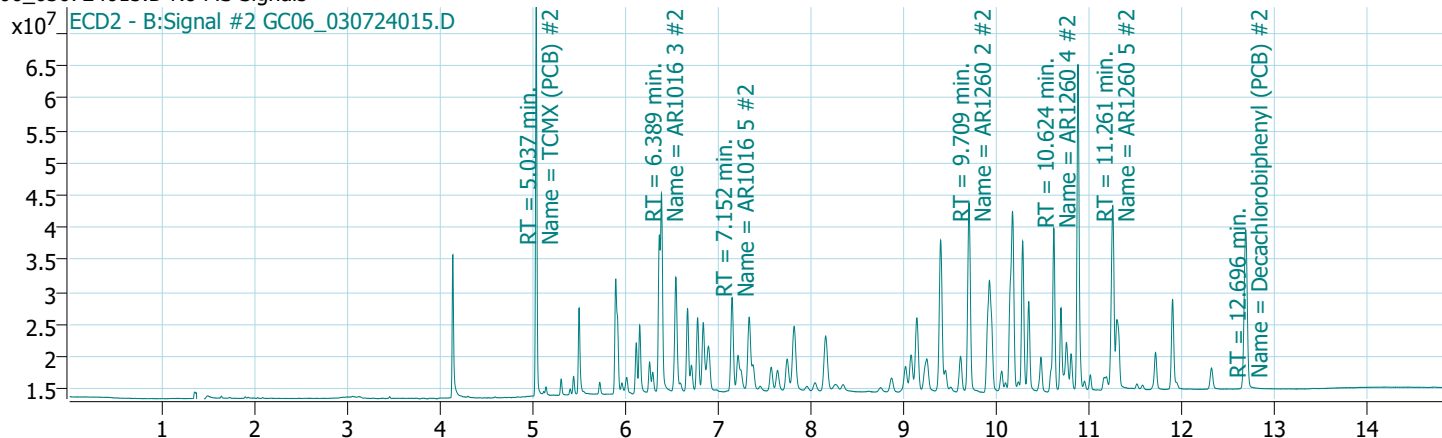
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 Batch Name 030724PCBICAL.batch.bin  
 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 3:32:49 PM  
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 Multiplier 1.00  
 Comment 750 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724015.D No MS Signals



GC06\_030724015.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.987                | 0.0  | 2569509.778  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.137                | 0.0  | 25623106.589 | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.770                | 0.0  | 7293881.631  | 57.5197            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 287.60% | *     |          |
| S TCMX (PCB) #2                    | 5.037                | 0.0  | 65580048.508 | 55.6512            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 278.26% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.661               | 0.0  | 9415715.475  | 55.6434            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 278.22% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.696               | 0.0  | 58784691.961 | 55.1318            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 275.66% | *     |          |

## Target Compounds

GC06\_030724015.D

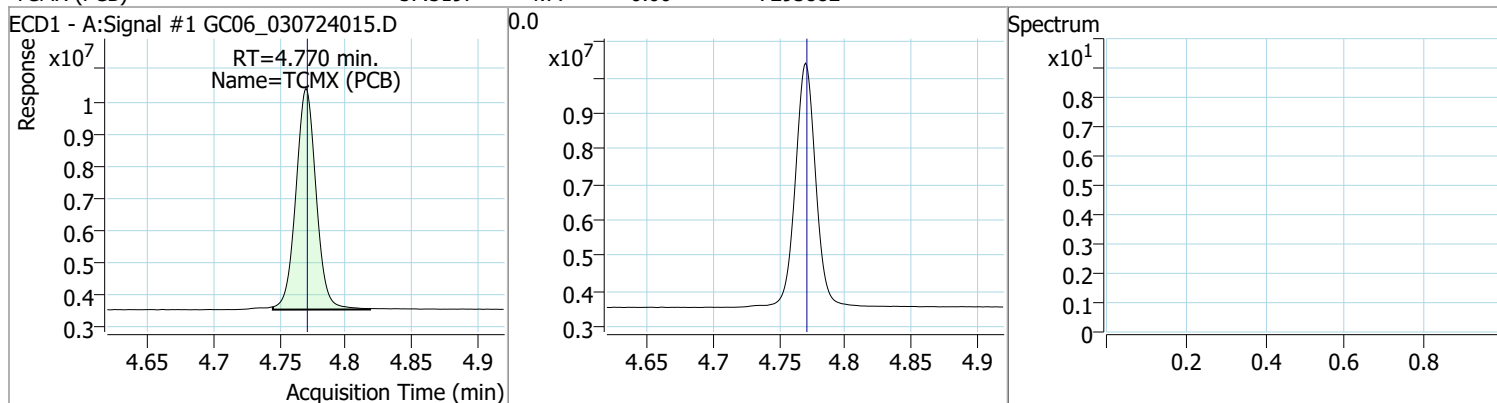
## Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.119  | 0.0  | 1998673.78<br>0  | 709.7427 | ng/ml   | 100      |
| T AR1016 2    | 5.445  | 0.0  | 3850327.83<br>4  | 707.1694 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.500  | 0.0  | 18064852.0<br>78 | 709.5438 | ng/ml   | 100      |
| T AR1016 3    | 5.882  | 0.0  | 4929933.58<br>2  | 711.0680 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.896  | 0.0  | 36417488.0<br>20 | 702.7094 | ng/ml   | 100      |
| T AR1016 4    | 6.010  | 0.0  | 3002358.88<br>5  | 723.5347 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.389  | 0.0  | 48150205.2<br>85 | 673.7696 | ng/ml   | 100      |
| T AR1016 5    | 6.434  | 0.0  | 2815848.24<br>7  | 740.6349 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.544  | 0.0  | 33209928.7<br>74 | 714.6208 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.152  | 0.0  | 27144828.3<br>71 | 717.2079 | ng/ml   | 100      |
| T AR1260 1    | 8.139  | 0.0  | 5850386.39<br>8  | 730.3277 | ng/ml   | 100      |
| T AR1260 2    | 8.667  | 0.0  | 8963697.92<br>7  | 738.5463 | ng/ml   | 100      |
| T AR1260 3    | 9.186  | 0.0  | 9170204.21<br>6  | 732.1619 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.403  | 0.0  | 50516903.4<br>90 | 675.1557 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.709  | 0.0  | 59700666.8<br>06 | 670.4337 | ng/ml   | 100      |
| T AR1260 4    | 9.732  | 0.0  | 5089706.62<br>6  | 728.6312 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.178 | 0.0  | 72103070.9<br>40 | 691.9695 | ng/ml   | 100      |
| T AR1260 5    | 10.481 | 0.0  | 6816249.69<br>2  | 753.7328 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.624 | 0.0  | 44939475.7<br>92 | 790.5302 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.261 | 0.0  | 58713728.1<br>66 | 789.5653 | ng/ml   | 100      |

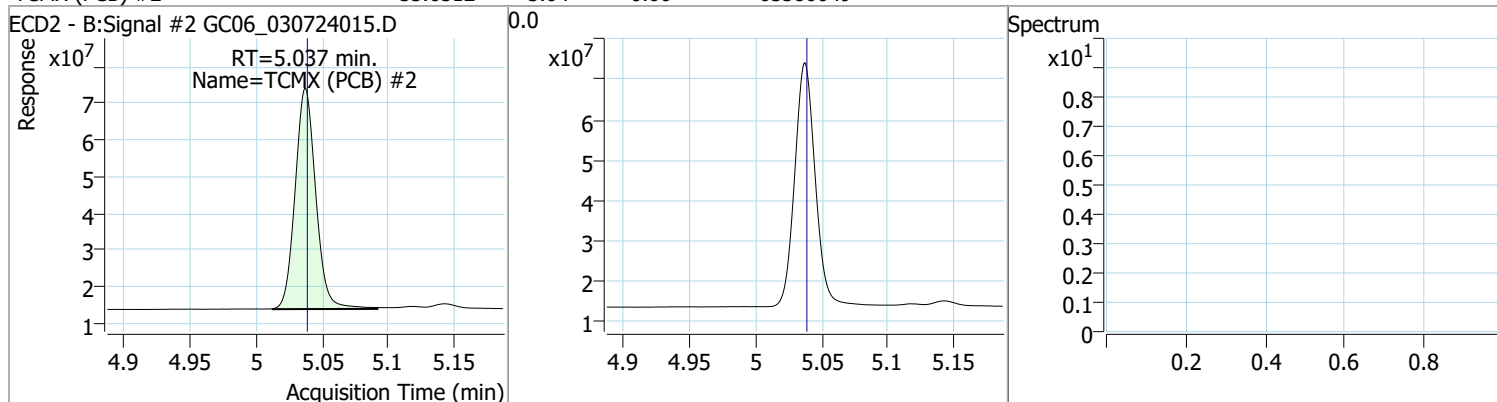
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

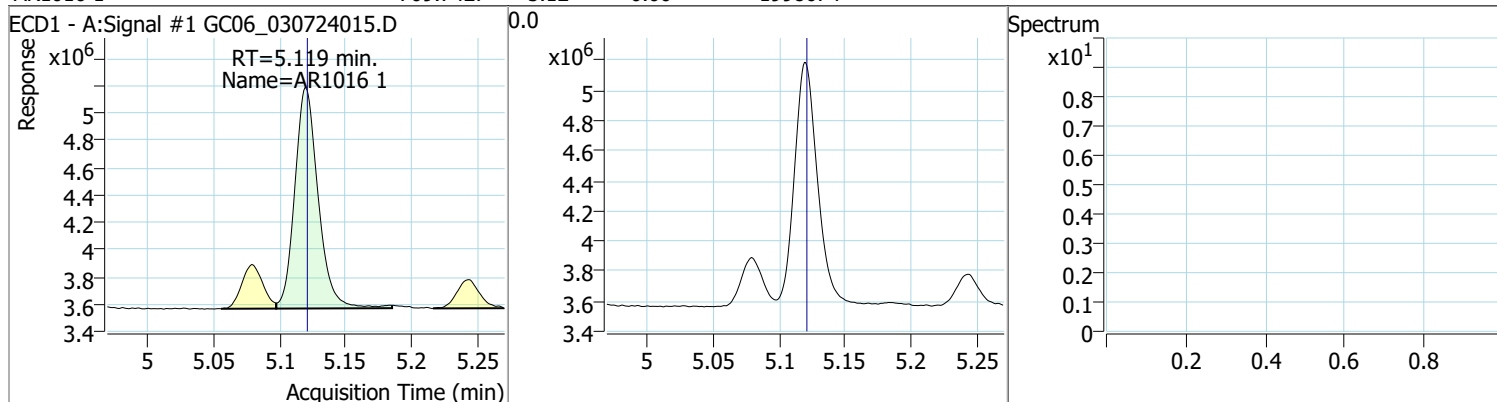
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 57.5197 | 4.77 | 0.00     | 7293882 |      |        |       |       |



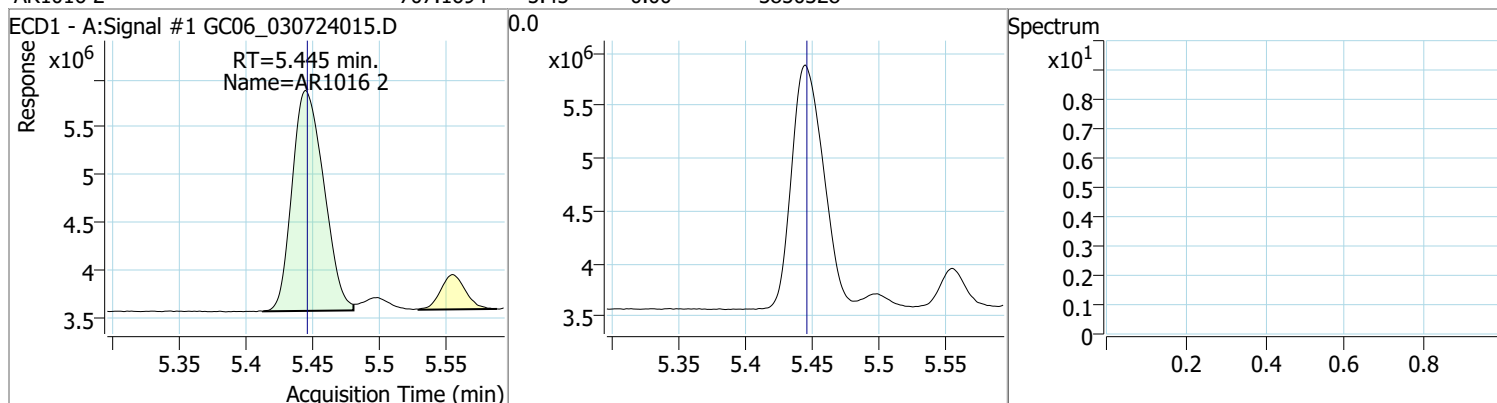
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 55.6512 | 5.04 | 0.00     | 65580049 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 709.7427 | 5.12 | 0.00     | 1998674 |      |        |       |       |

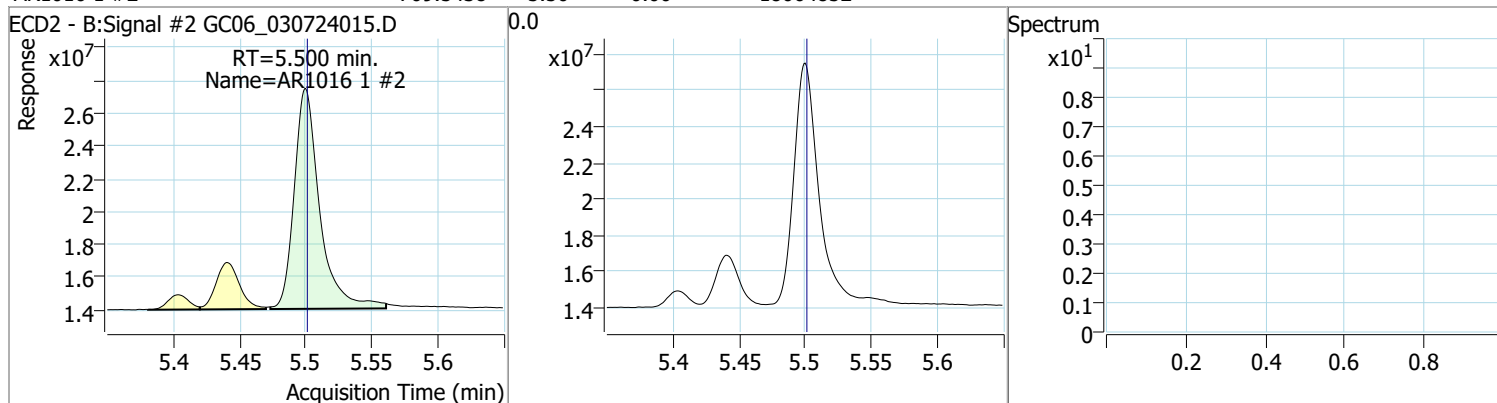


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 707.1694 | 5.45 | 0.00     | 3850328 |      |        |       |       |

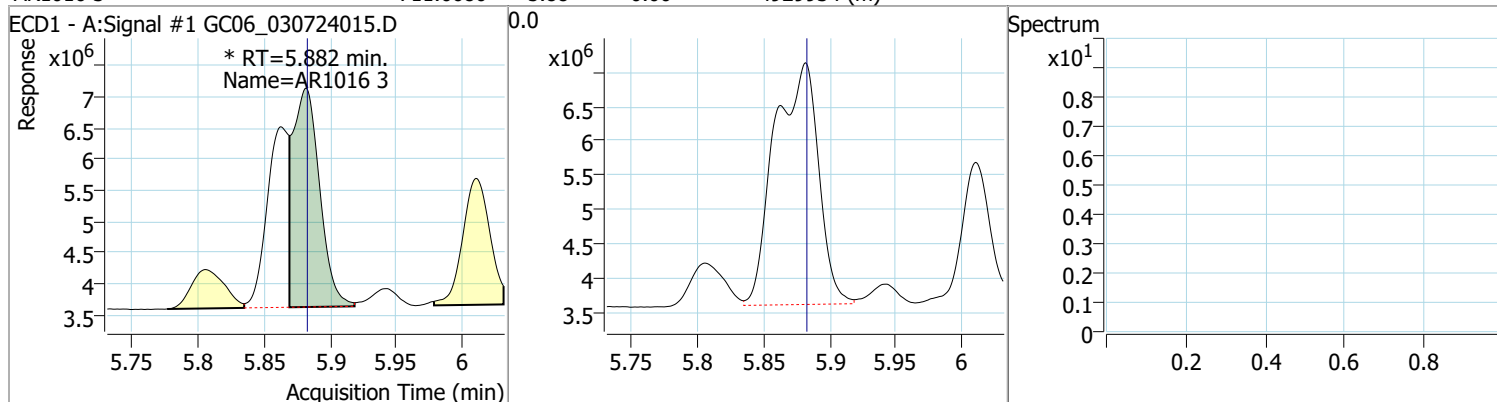


# Quantitation Results Report (Not Reviewed)

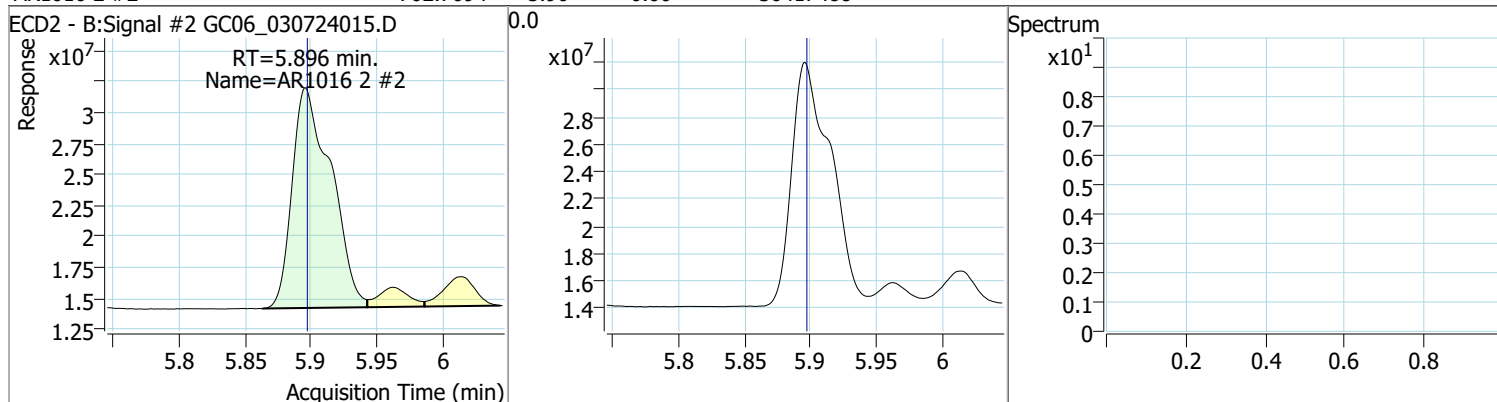
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 709.5438 | 5.50 | 0.00     | 18064852 |      |        |       |       |



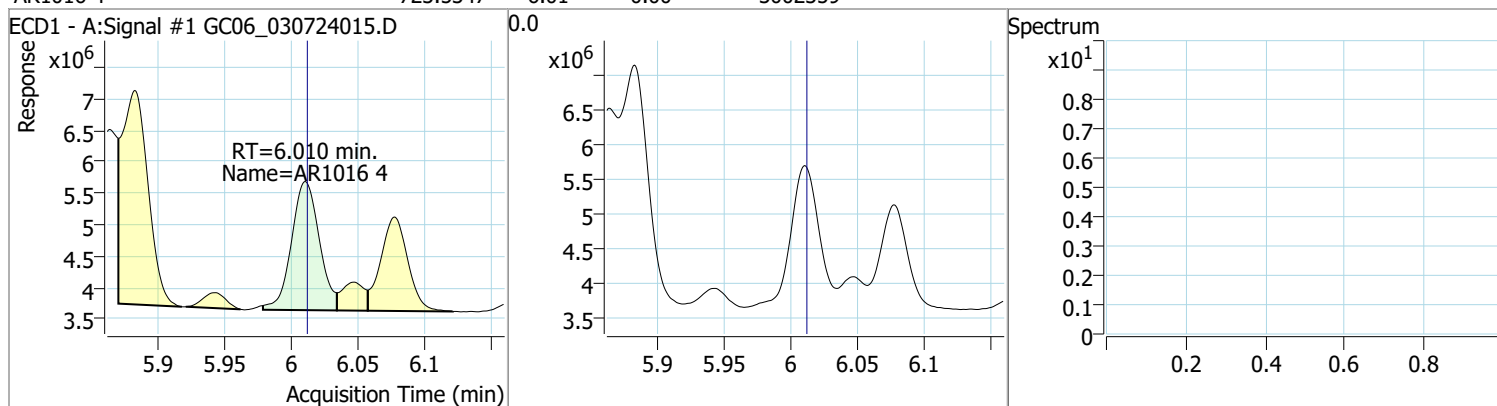
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 711.0680 | 5.88 | 0.00     | 4929934 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 702.7094 | 5.90 | 0.00     | 36417488 |      |        |       |       |

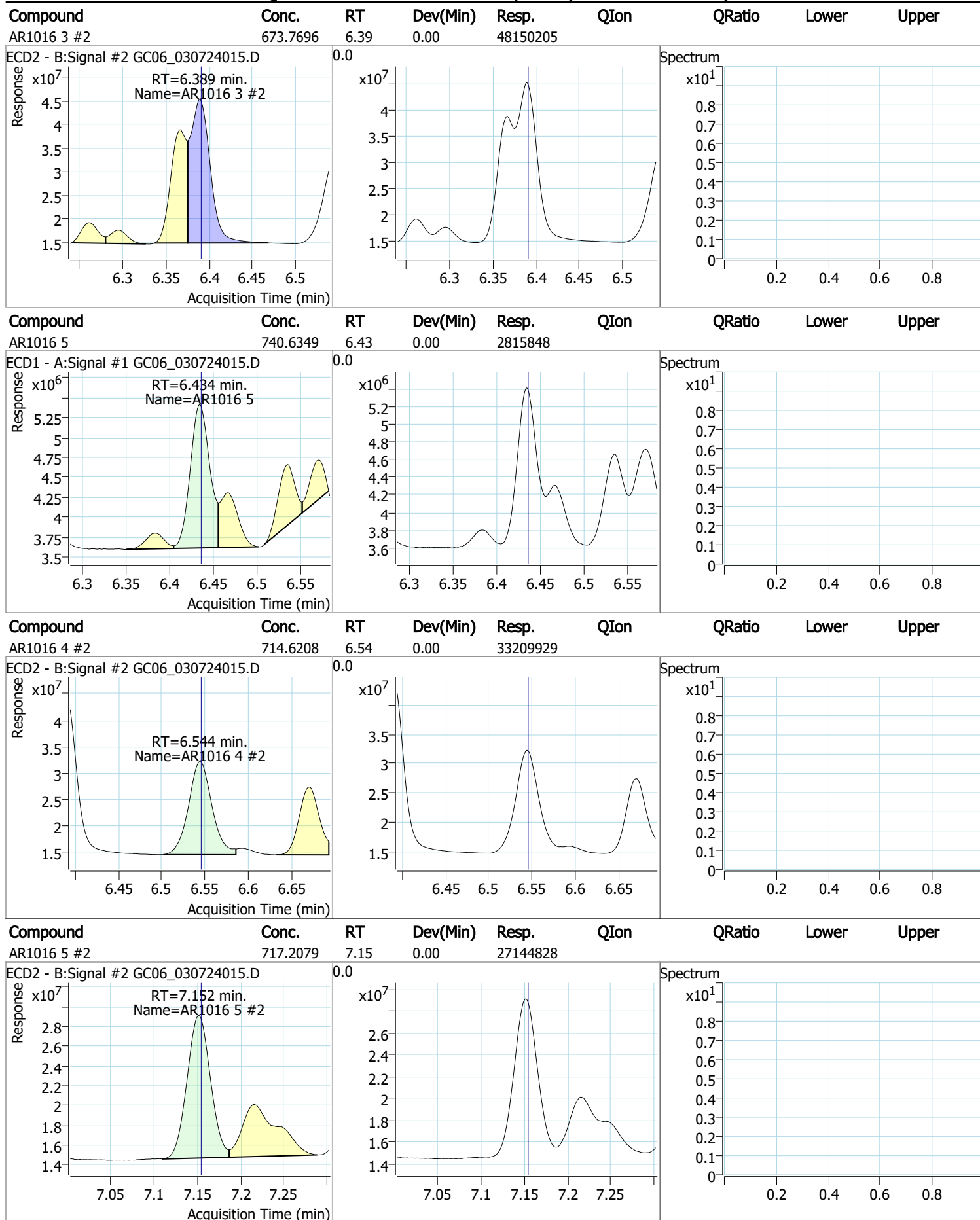


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 723.5347 | 6.01 | 0.00     | 3002359 |      |        |       |       |

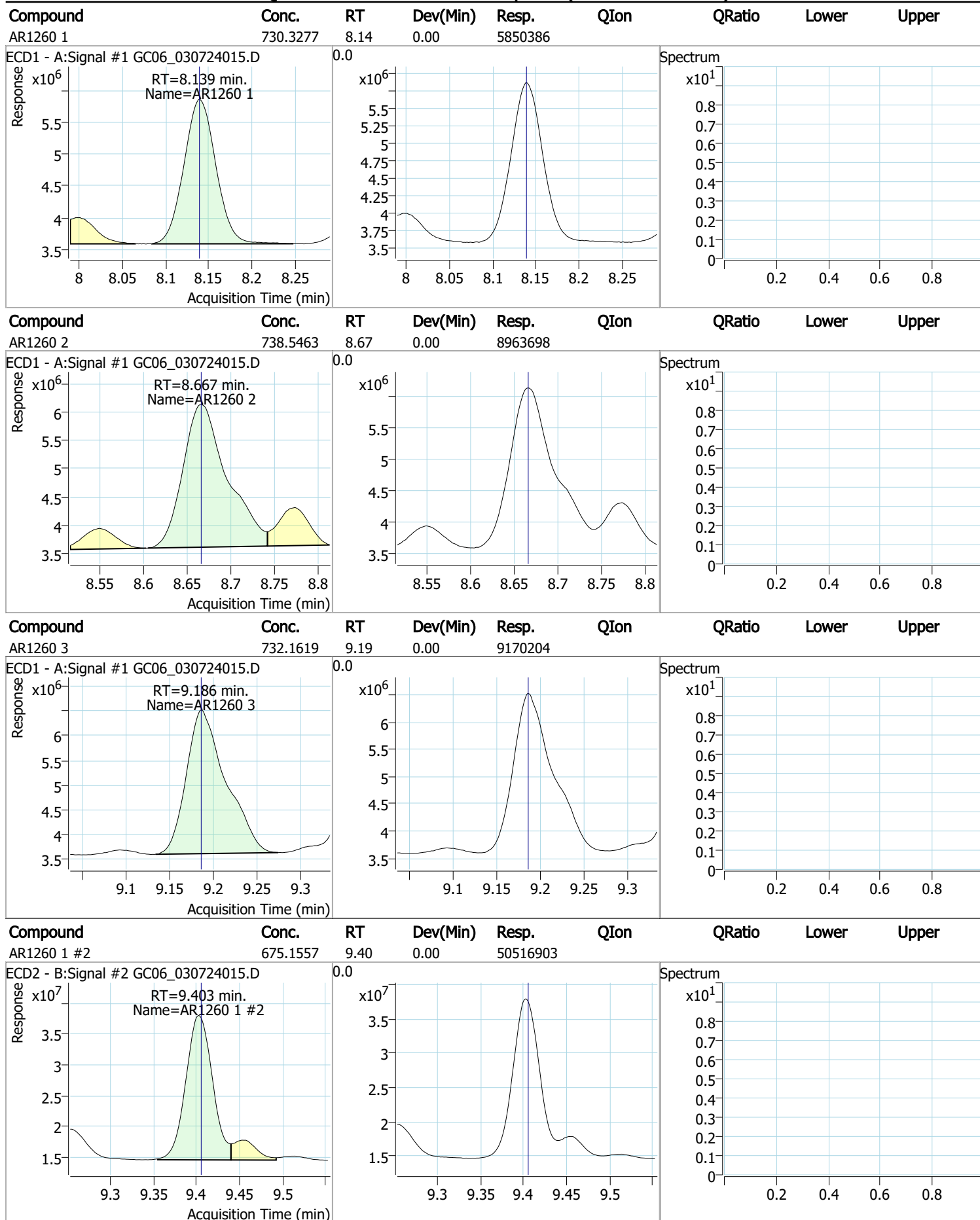




# Quantitation Results Report (Not Reviewed)

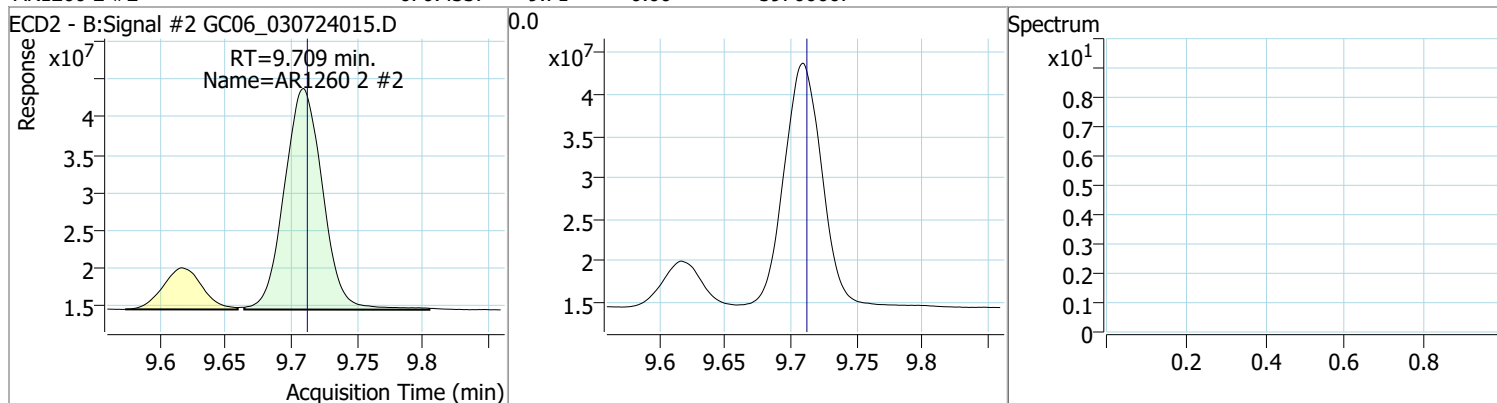


# Quantitation Results Report (Not Reviewed)

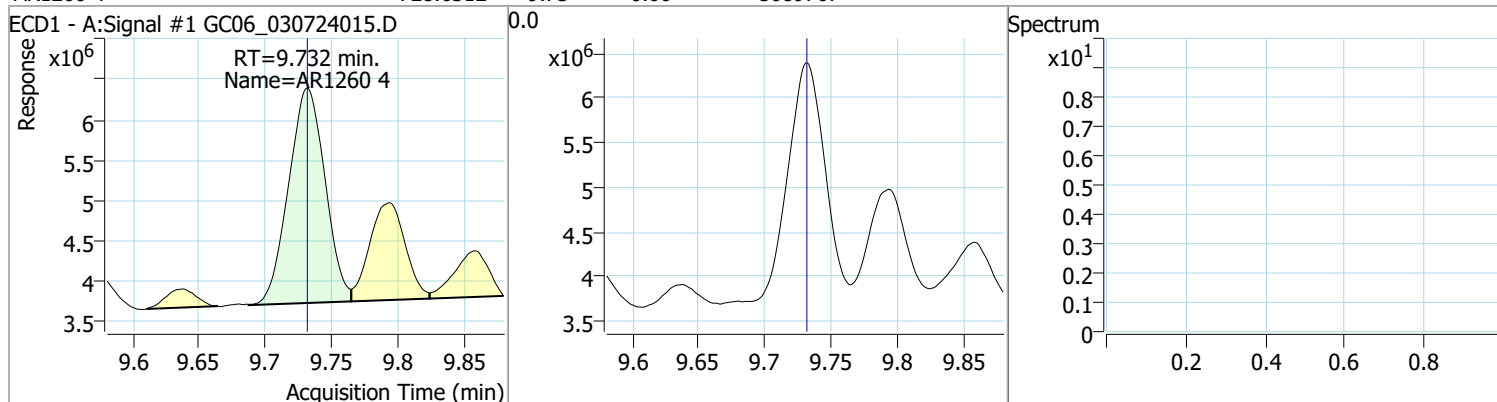


# Quantitation Results Report (Not Reviewed)

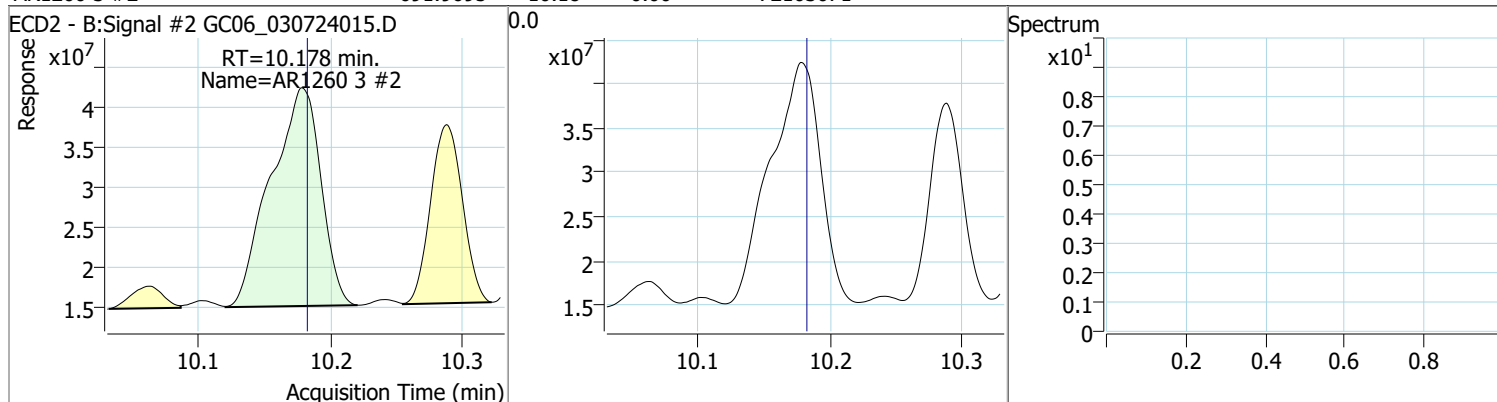
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 #2 | 670.4337 | 9.71 | 0.00     | 59700667 |      |        |       |       |



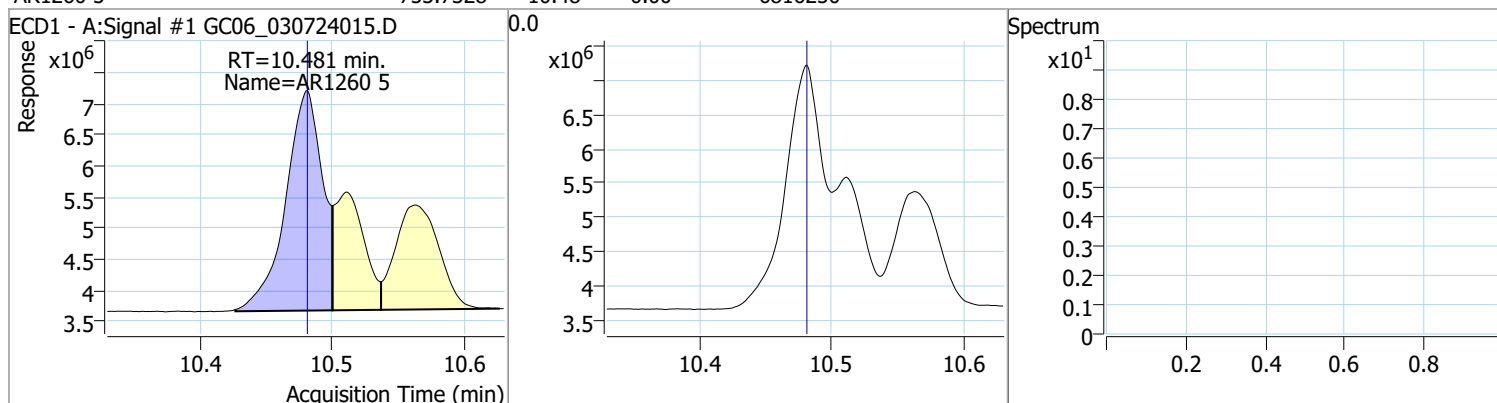
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 728.6312 | 9.73 | 0.00     | 5089707 |      |        |       |       |



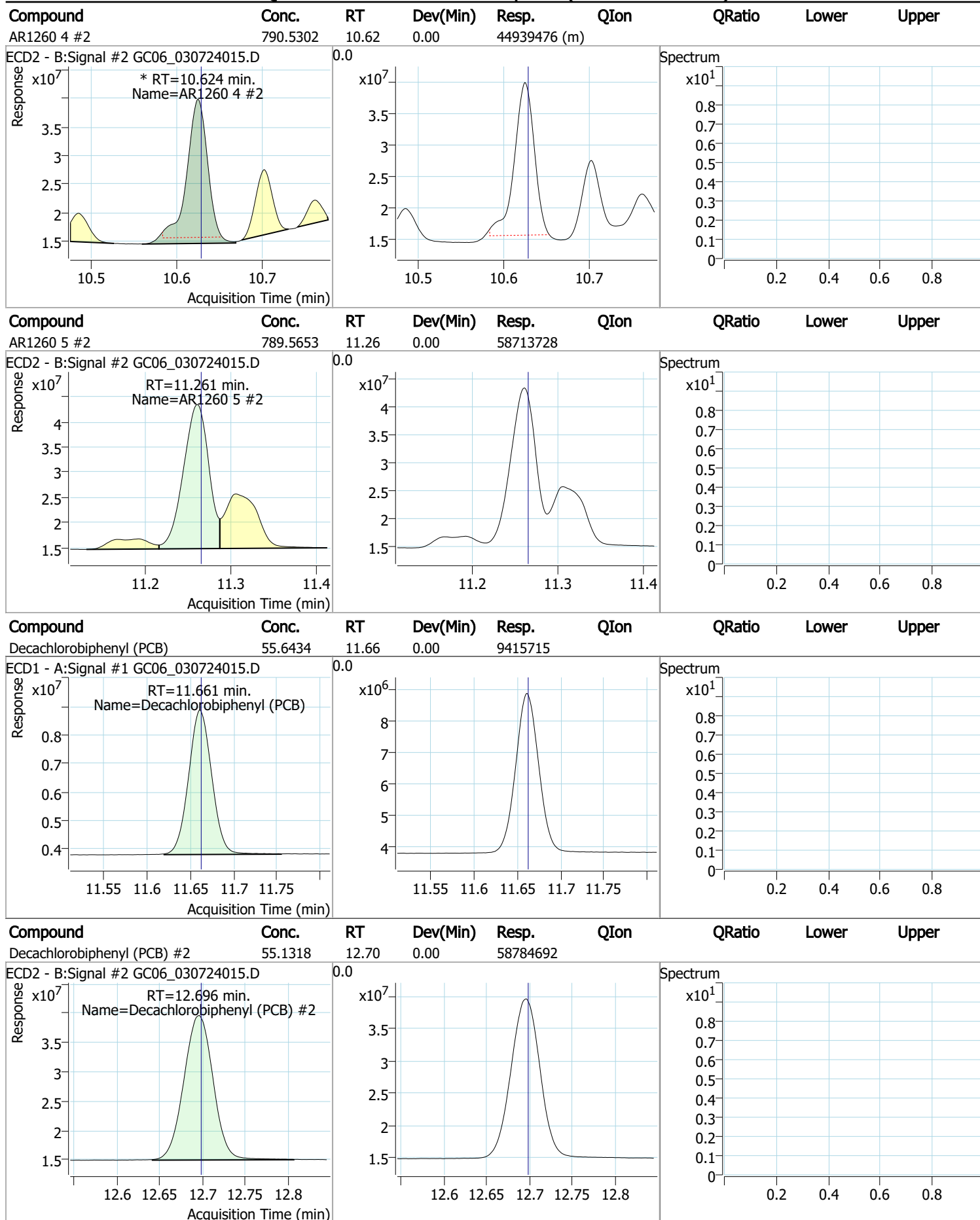
| Compound    | Conc.    | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|-------|----------|----------|------|--------|-------|-------|
| AR1260 3 #2 | 691.9695 | 10.18 | 0.00     | 72103071 |      |        |       |       |



| Compound | Conc.    | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|---------|------|--------|-------|-------|
| AR1260 5 | 753.7328 | 10.48 | 0.00     | 6816250 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

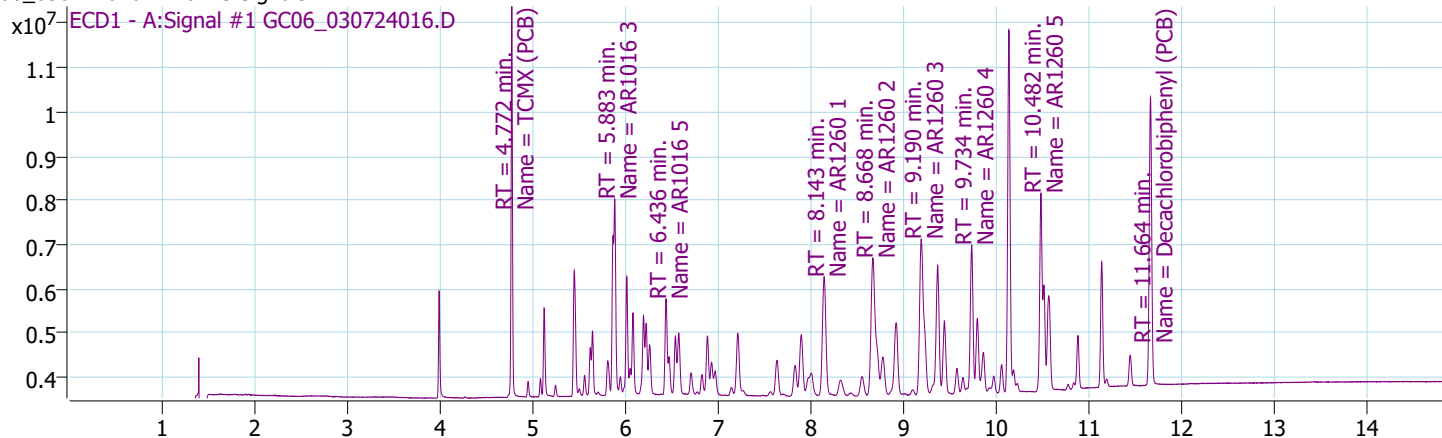


# Quantitation Results Report (Not Reviewed)

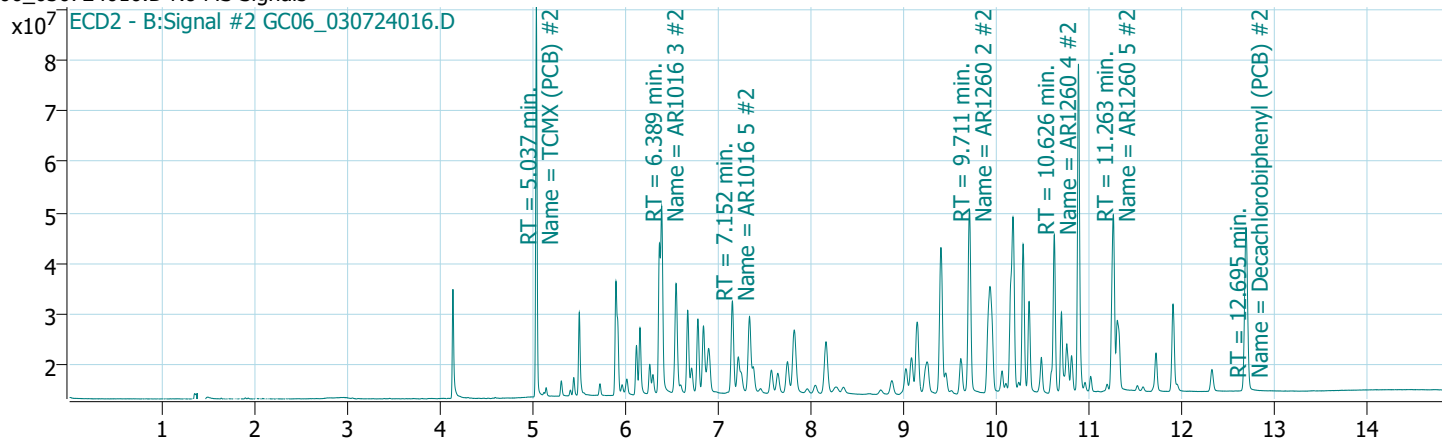
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Operator  
 Acq. Date-Time 3/7/2024 3:53:35 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 1000 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724016.D No MS Signals



GC06\_030724016.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.988                | 0.0  | 2499890.83<br>4  | 20.0000            | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.137                | 0.0  | 25064773.8<br>39 | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.772                | 0.0  | 9189817.46<br>6  | 74.4893            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 372.45% | *     |          |
| S TCMX (PCB) #2                    | 5.037                | 0.0  | 82068223.9<br>86 | 71.1944            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 355.97% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.664               | 0.0  | 12125897.9<br>27 | 73.6552            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 368.28% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.695               | 0.0  | 73956896.4<br>28 | 70.9063            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 354.53% | *     |          |

## Target Compounds

QValue

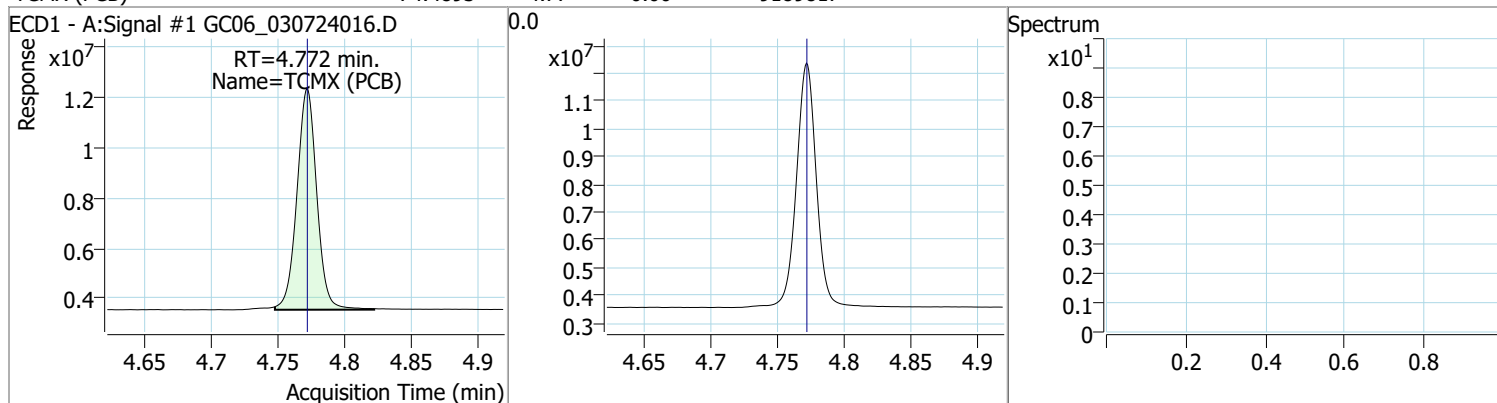
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.     | Units   | Dev(Min) |
|---------------|--------|------|------------------|-----------|---------|----------|
| T AR1016 1    | 5.121  | 0.0  | 2500766.48<br>6  | 912.7701  | ng/ml   | 100      |
| T AR1016 2    | 5.446  | 0.0  | 4707463.58<br>9  | 888.6730  | ng/ml   | 100      |
| T AR1016 1 #2 | 5.500  | 0.0  | 22257967.6<br>99 | 893.7134  | ng/ml   | 100      |
| T AR1016 3    | 5.883  | 0.0  | 6102857.23<br>4  | 904.7581  | ng/ml m | 100      |
| T AR1016 2 #2 | 5.896  | 0.0  | 44361375.0<br>21 | 875.0619  | ng/ml   | 100      |
| T AR1016 4    | 6.013  | 0.0  | 3671348.15<br>9  | 909.3929  | ng/ml   | 100      |
| T AR1016 3 #2 | 6.389  | 0.0  | 59594029.4<br>29 | 852.4796  | ng/ml m | 100      |
| T AR1016 5    | 6.436  | 0.0  | 3452106.97<br>0  | 933.2724  | ng/ml   | 100      |
| T AR1016 4 #2 | 6.544  | 0.0  | 40457013.4<br>65 | 889.9580  | ng/ml   | 100      |
| T AR1016 5 #2 | 7.152  | 0.0  | 34014324.8<br>66 | 918.7298  | ng/ml   | 100      |
| T AR1260 1    | 8.143  | 0.0  | 7131577.36<br>1  | 915.0567  | ng/ml   | 100      |
| T AR1260 2    | 8.668  | 0.0  | 10708479.8<br>93 | 906.8753  | ng/ml   | 100      |
| T AR1260 3    | 9.190  | 0.0  | 11285920.1<br>28 | 926.1777  | ng/ml   | 100      |
| T AR1260 1 #2 | 9.403  | 0.0  | 63352016.6<br>98 | 865.5570  | ng/ml   | 100      |
| T AR1260 2 #2 | 9.711  | 0.0  | 75496725.6<br>06 | 866.7080  | ng/ml   | 100      |
| T AR1260 4    | 9.734  | 0.0  | 6170524.80<br>9  | 907.9592  | ng/ml   | 100      |
| T AR1260 3 #2 | 10.180 | 0.0  | 90546958.6<br>98 | 888.3315  | ng/ml   | 100      |
| T AR1260 5    | 10.482 | 0.0  | 8087936.10<br>8  | 919.2610  | ng/ml   | 100      |
| T AR1260 4 #2 | 10.626 | 0.0  | 56393740.4<br>42 | 1033.5754 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.263 | 0.0  | 73083700.4<br>72 | 1021.7147 | ng/ml   | 100      |

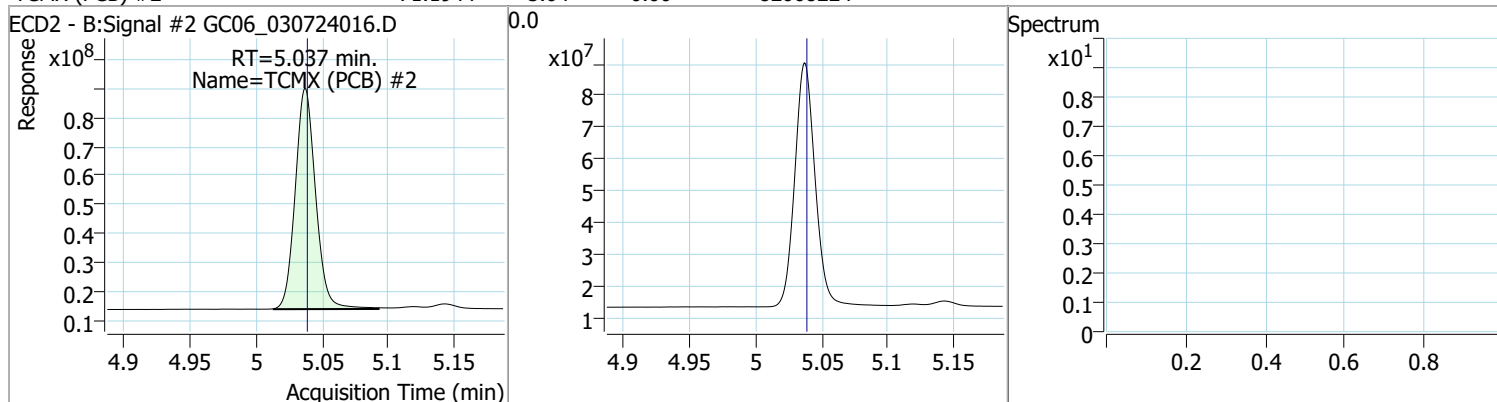
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

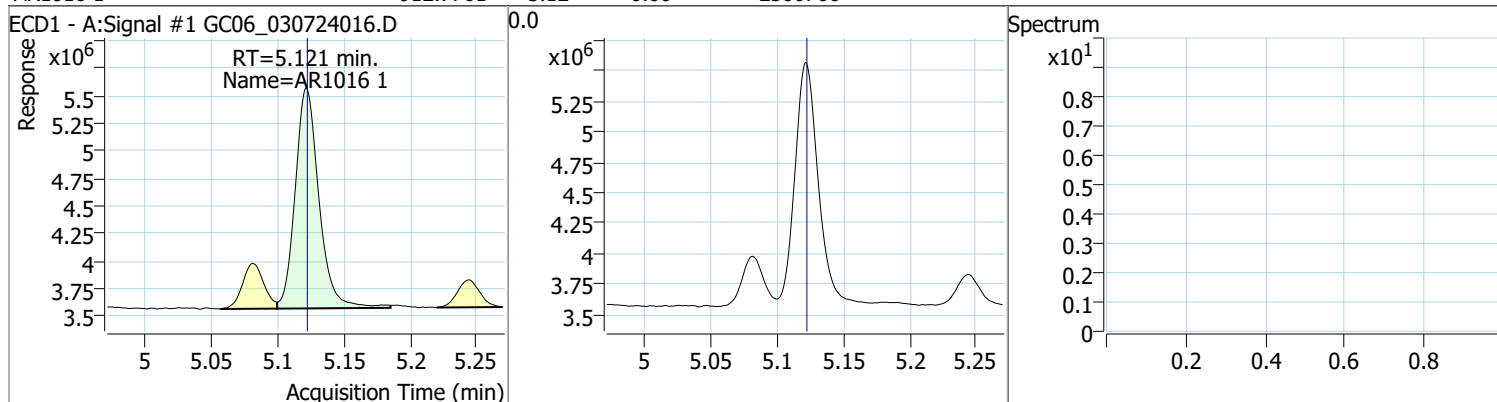
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 74.4893 | 4.77 | 0.00     | 9189817 |      |        |       |       |



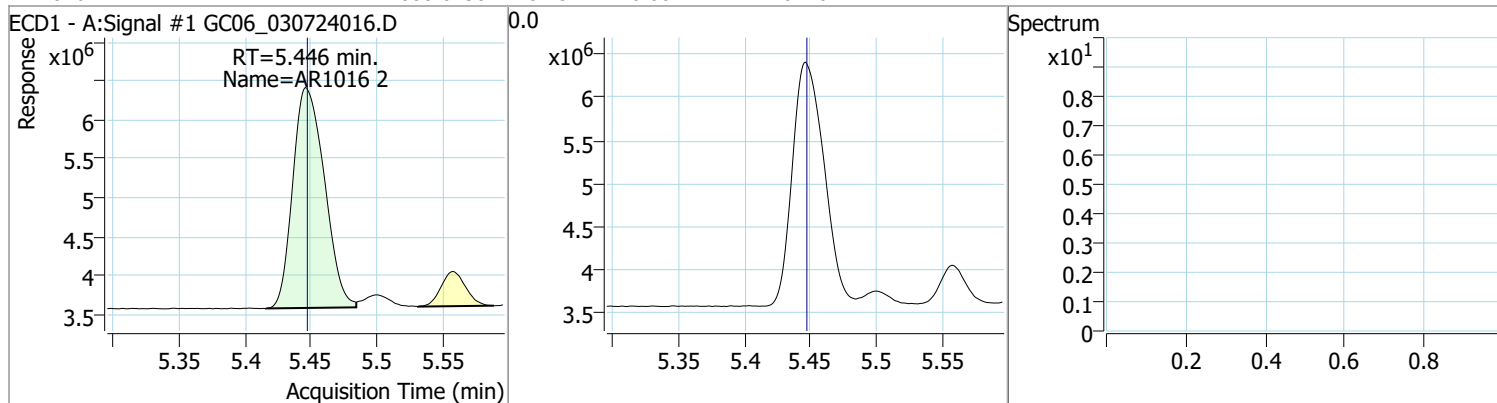
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 71.1944 | 5.04 | 0.00     | 82068224 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 912.7701 | 5.12 | 0.00     | 2500766 |      |        |       |       |

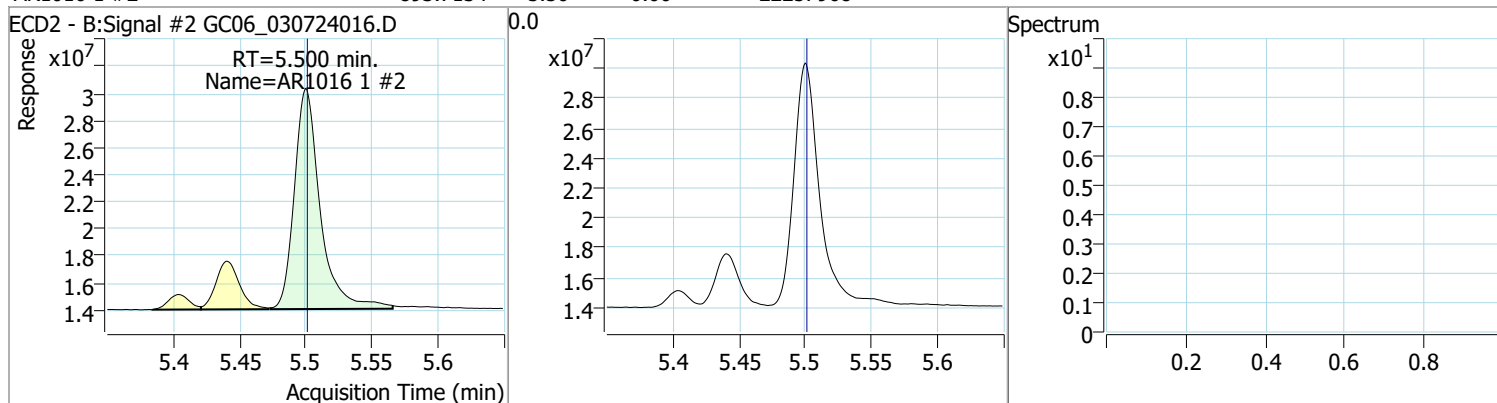


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 888.6730 | 5.45 | 0.00     | 4707464 |      |        |       |       |

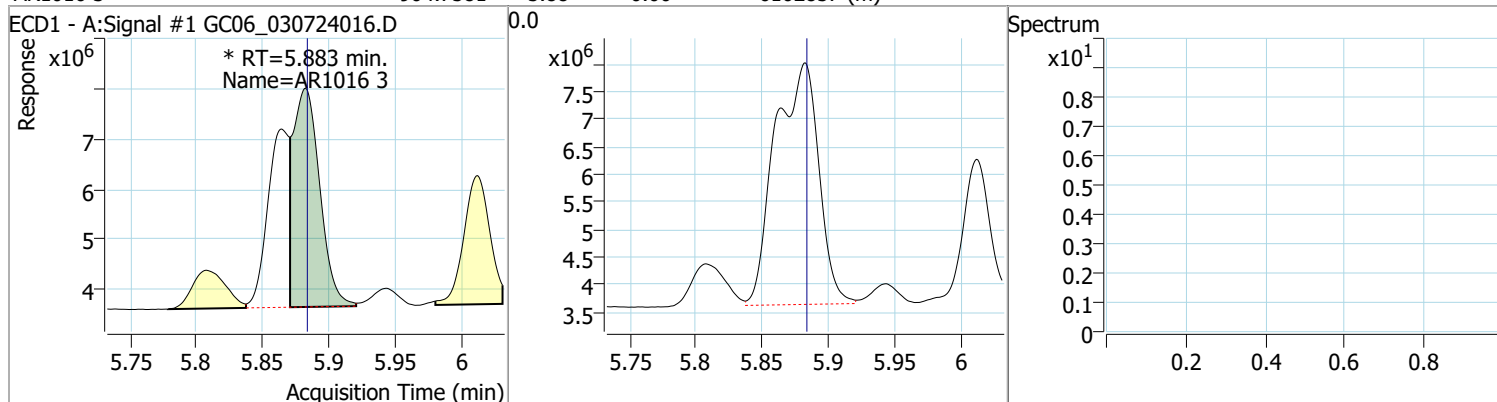


# Quantitation Results Report (Not Reviewed)

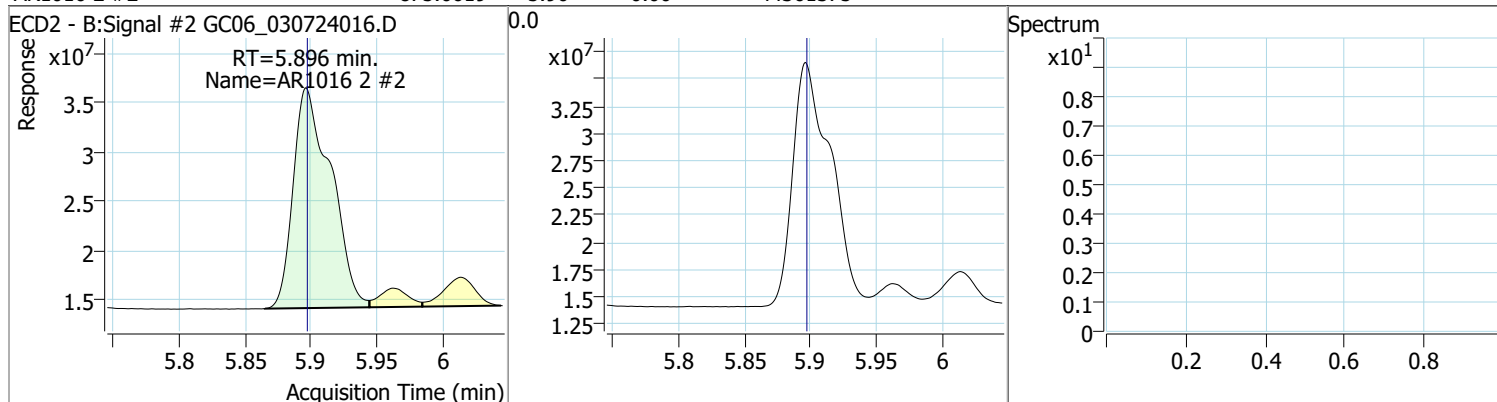
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 893.7134 | 5.50 | 0.00     | 22257968 |      |        |       |       |



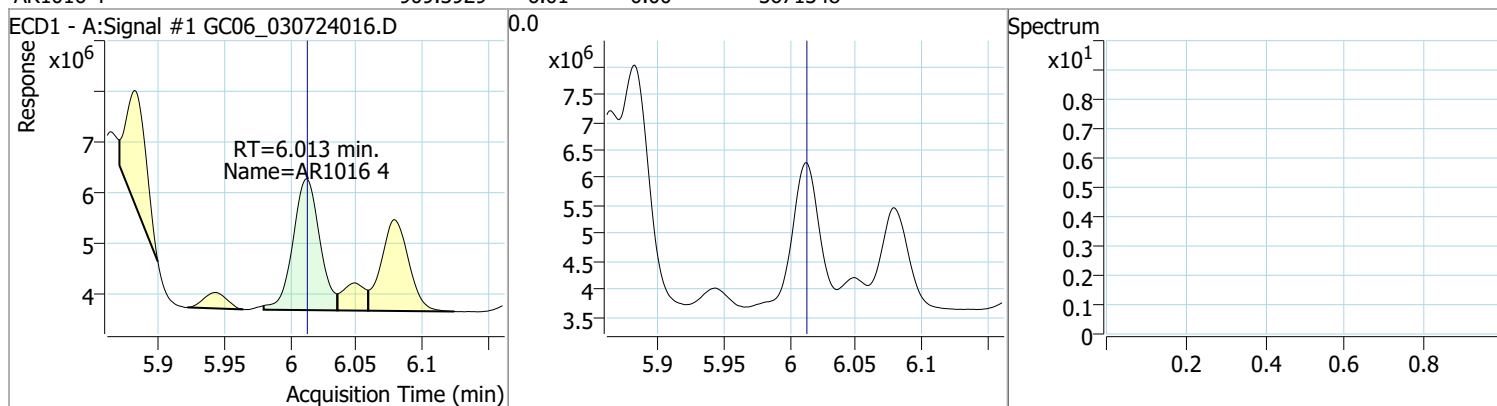
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 904.7581 | 5.88 | 0.00     | 6102857 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 875.0619 | 5.90 | 0.00     | 44361375 |      |        |       |       |

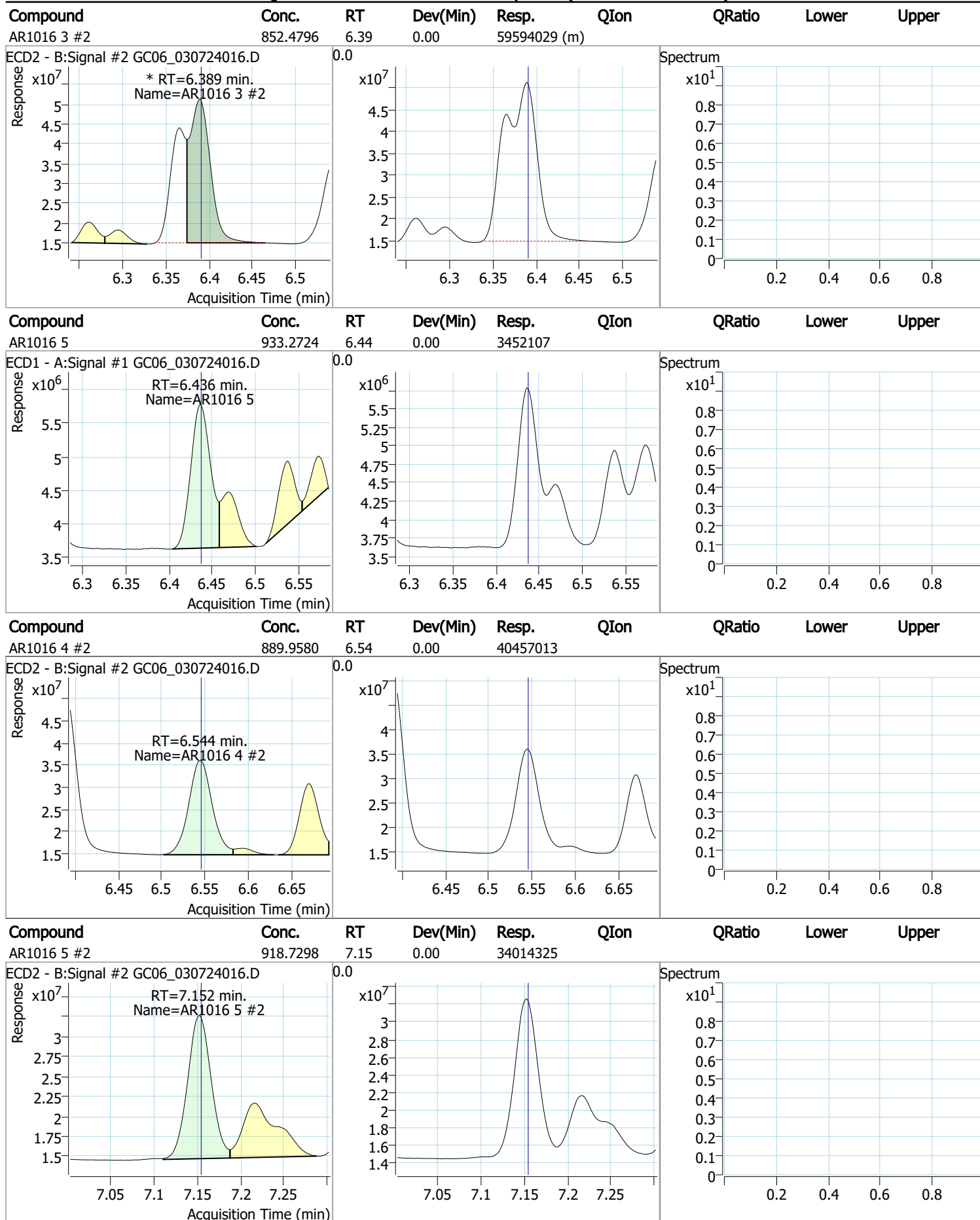


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 909.3929 | 6.01 | 0.00     | 3671348 |      |        |       |       |



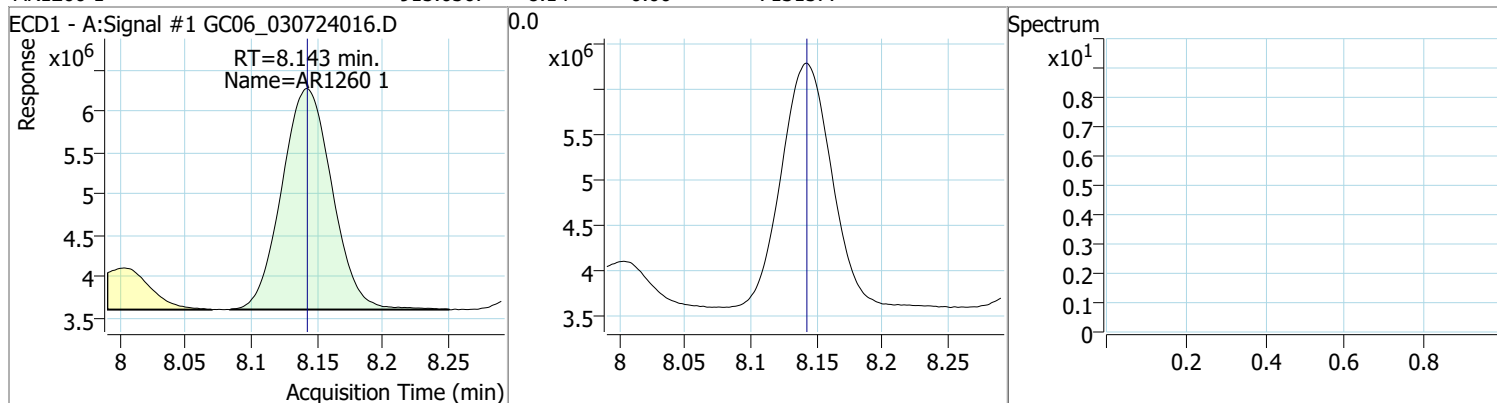


# Quantitation Results Report (Not Reviewed)

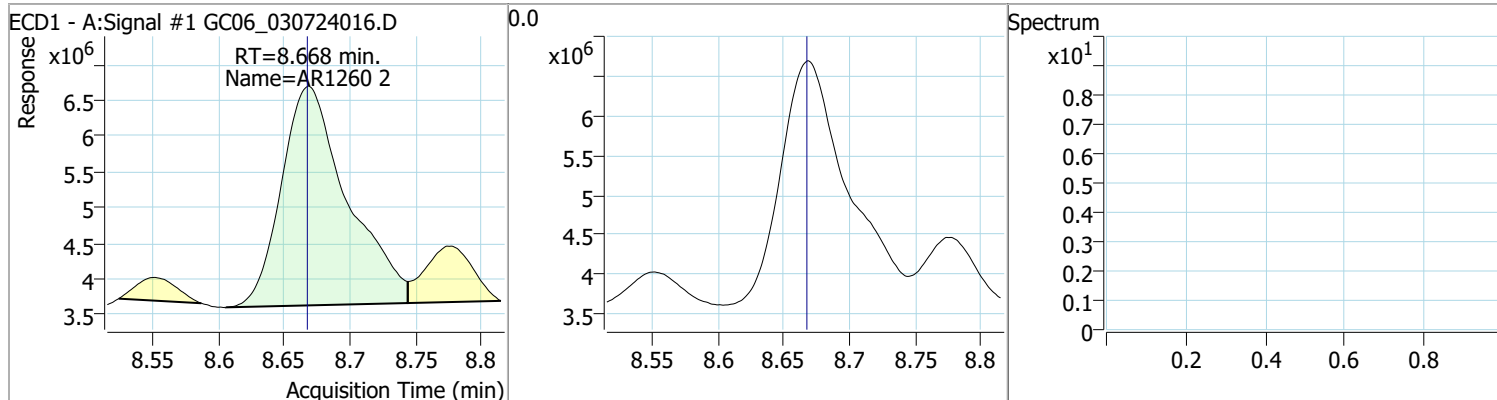


# Quantitation Results Report (Not Reviewed)

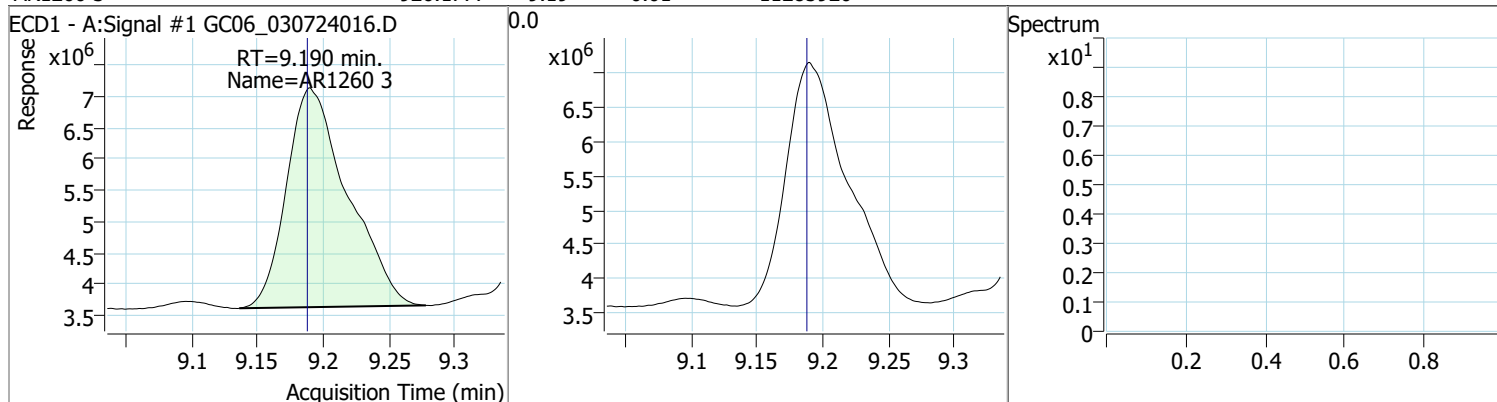
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 915.0567 | 8.14 | 0.00     | 7131577 |      |        |       |       |



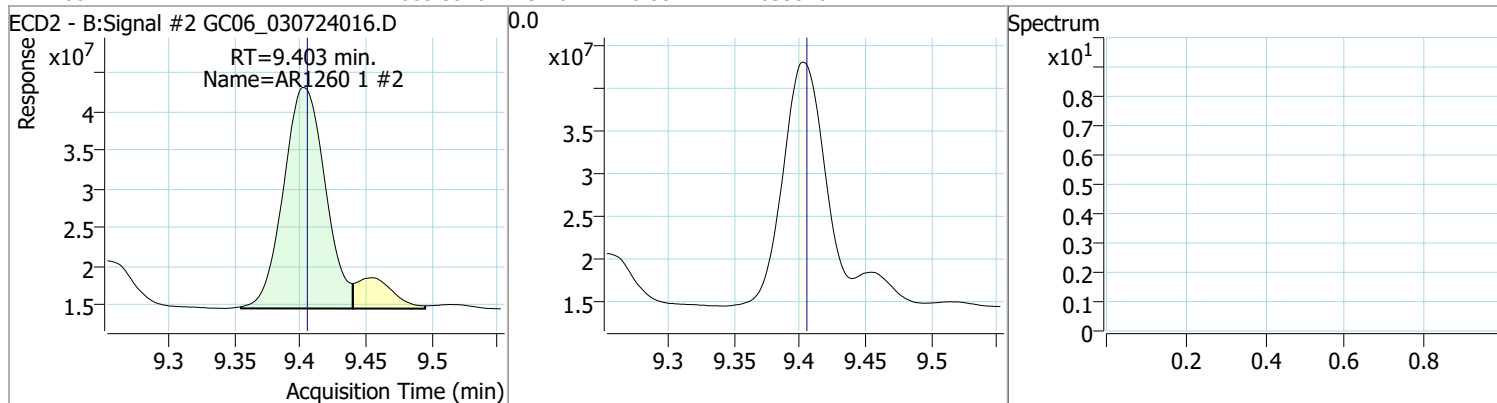
| Compound | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 | 906.8753 | 8.67 | 0.00     | 10708480 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 3 | 926.1777 | 9.19 | 0.01     | 11285920 |      |        |       |       |

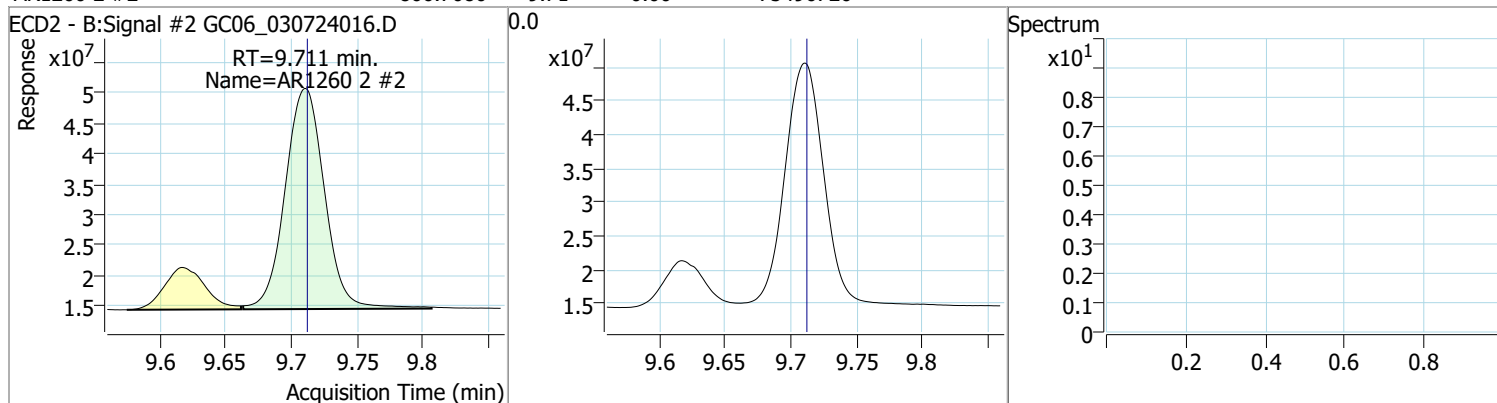


| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 1 #2 | 865.5570 | 9.40 | 0.00     | 63352017 |      |        |       |       |

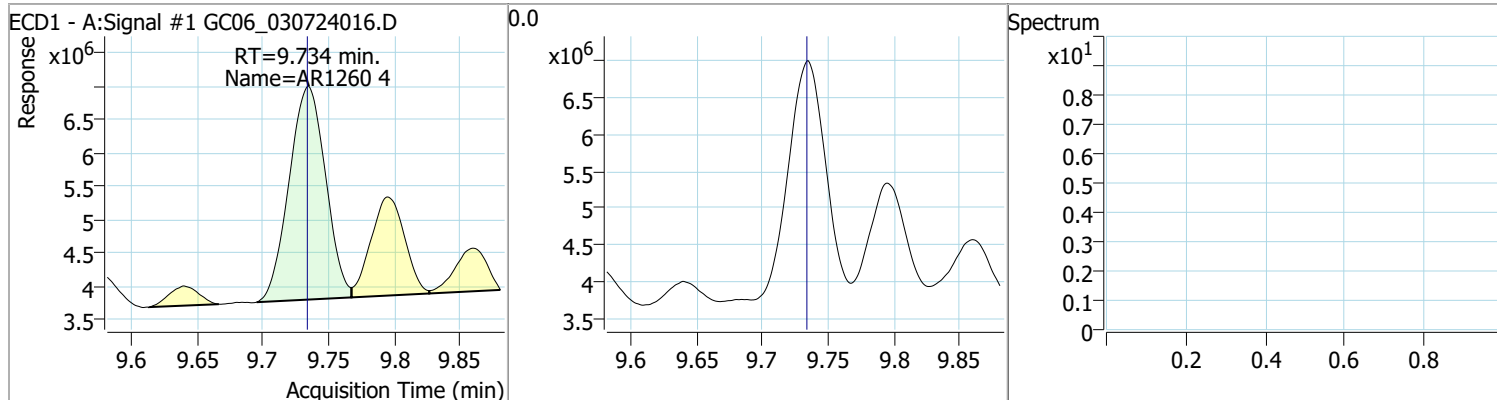


# Quantitation Results Report (Not Reviewed)

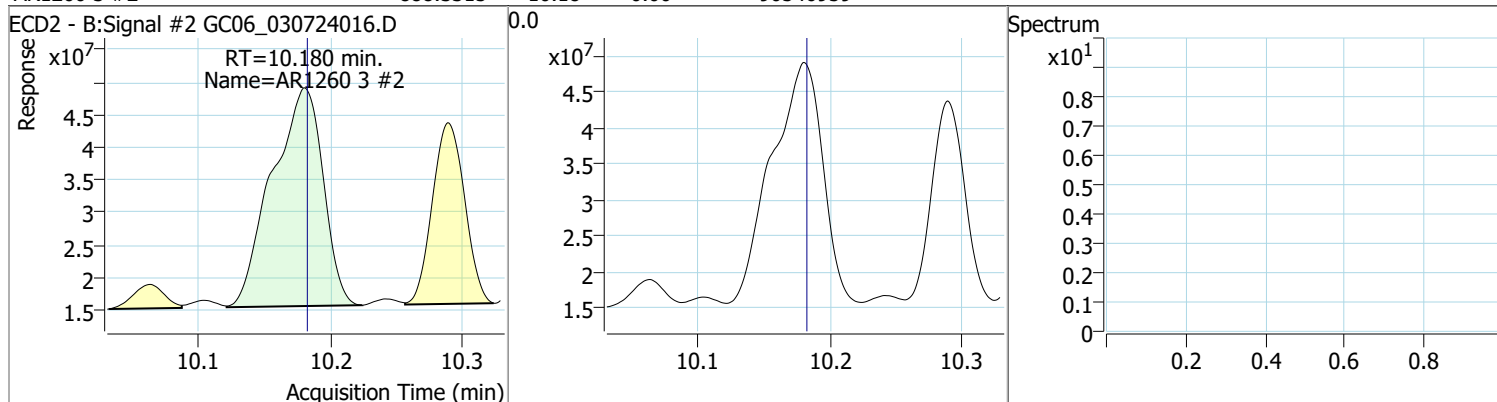
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 #2 | 866.7080 | 9.71 | 0.00     | 75496726 |      |        |       |       |



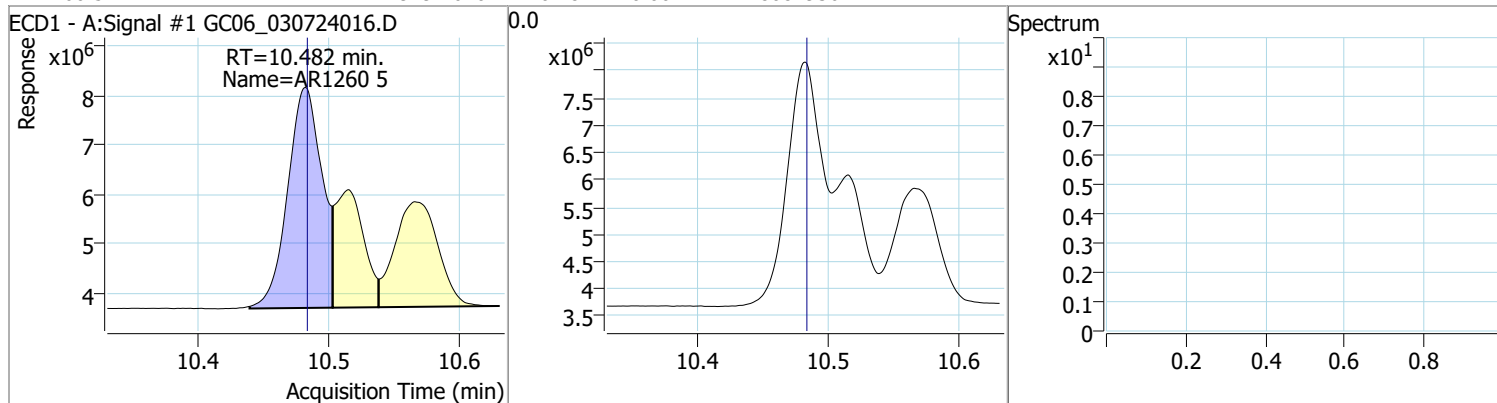
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 907.9592 | 9.73 | 0.00     | 6170525 |      |        |       |       |



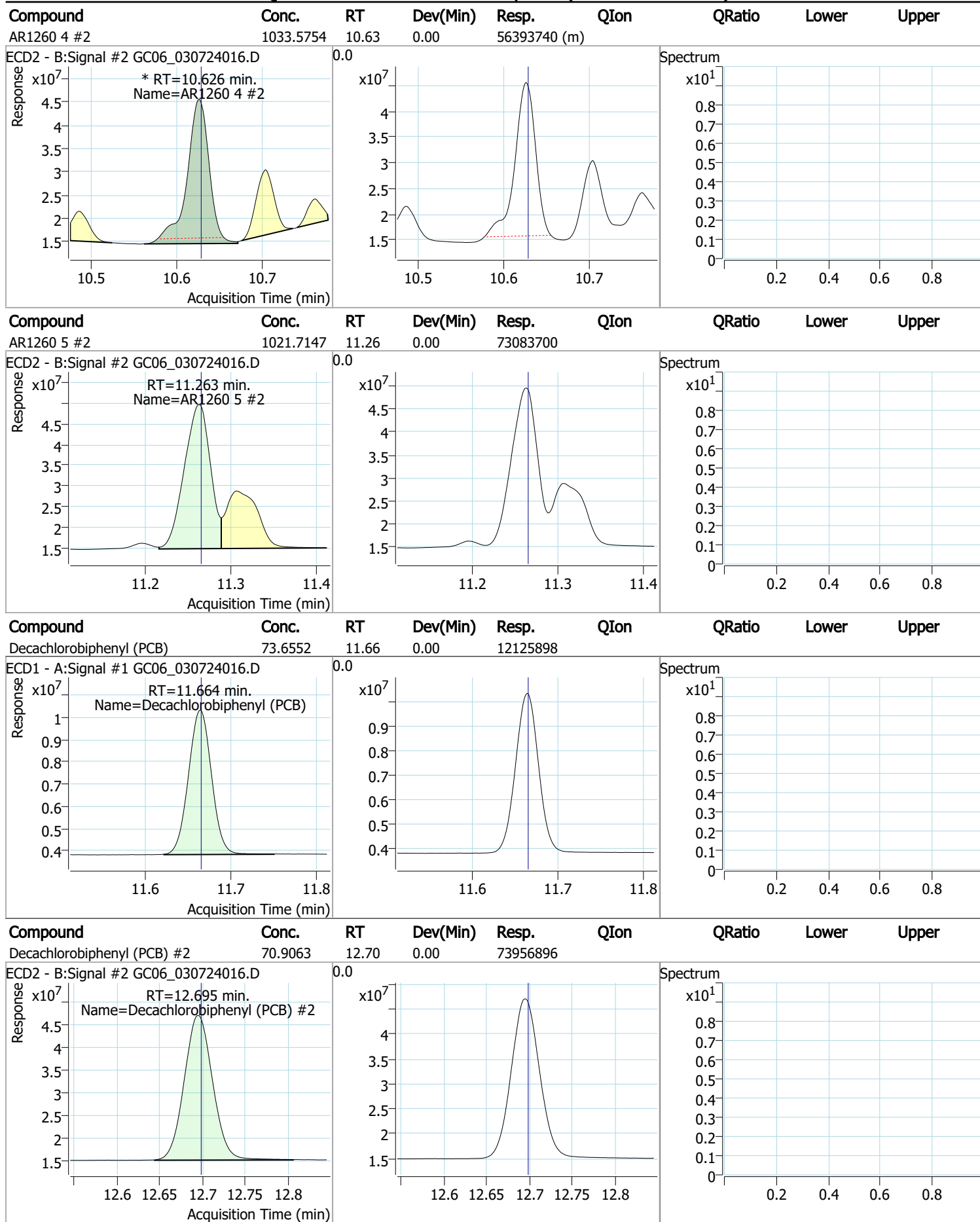
| Compound    | Conc.    | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|-------|----------|----------|------|--------|-------|-------|
| AR1260 3 #2 | 888.3315 | 10.18 | 0.00     | 90546959 |      |        |       |       |



| Compound | Conc.    | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|---------|------|--------|-------|-------|
| AR1260 5 | 919.2610 | 10.48 | 0.00     | 8087936 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

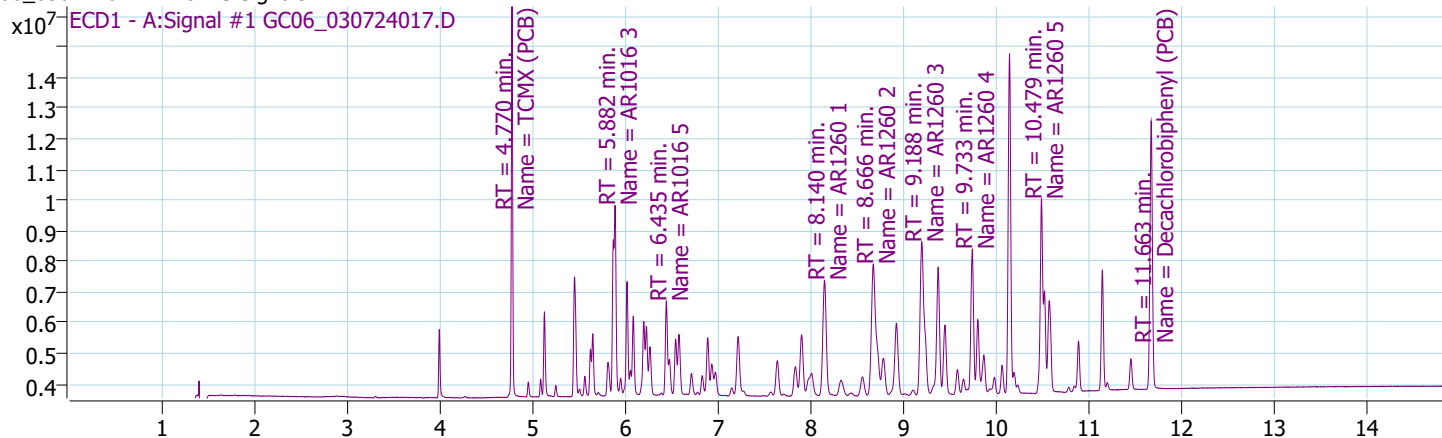


# Quantitation Results Report (Not Reviewed)

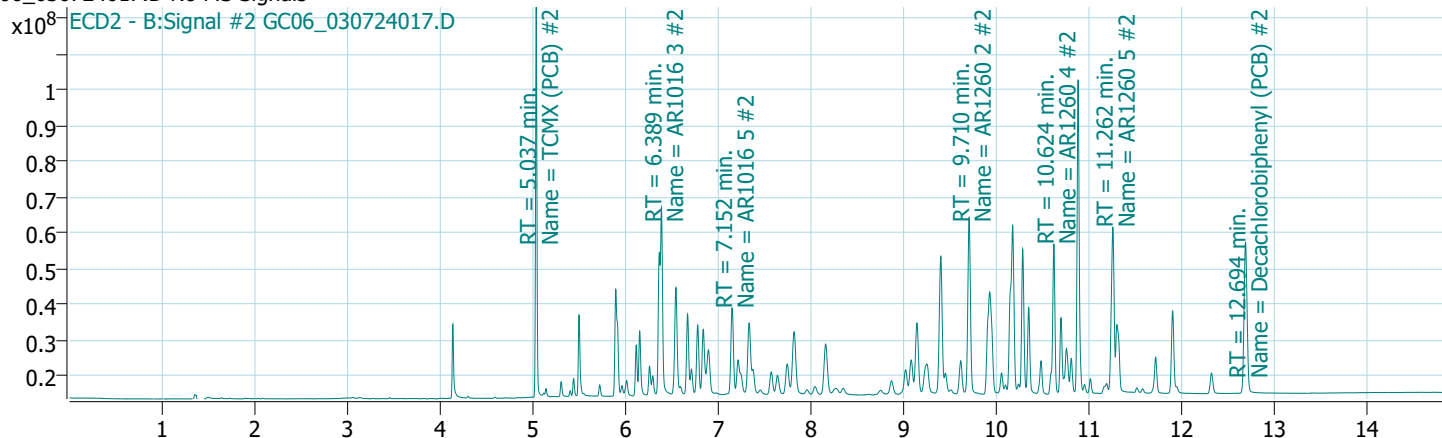
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 Acq. Method Acq\_Pesticide\_122221\_3  
 Sample Name ICAL, S19338  
 Vial 109  
 DA Method File PCB\_608\_030724\_GC06\_1.m  
 Tune File ATUNE.U  
 Batch Name 030724PCBICAL.batch.bin  
 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 4:13:16 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 1500 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724017.D No MS Signals



GC06\_030724017.D No MS Signals



| Compound                           | RT                   | QIon | Resp.             | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|-------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                   |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.987                | 0.0  | 2377032.86<br>6   | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.137                | 0.0  | 23734994.4<br>05  | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |                   |                    |       |          |
| S TCMX (PCB)                       | 4.770                | 0.0  | 13341022.2<br>45  | 113.7266           | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 568.63% | *     |          |
| S TCMX (PCB) #2                    | 5.037                | 0.0  | 116336342.<br>141 | 106.5763           | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 532.88% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.663               | 0.0  | 16228386.5<br>75  | 103.6694           | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 518.35% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.694               | 0.0  | 97618808.5<br>60  | 98.8358            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 494.18% | *     |          |

## Target Compounds

QValue

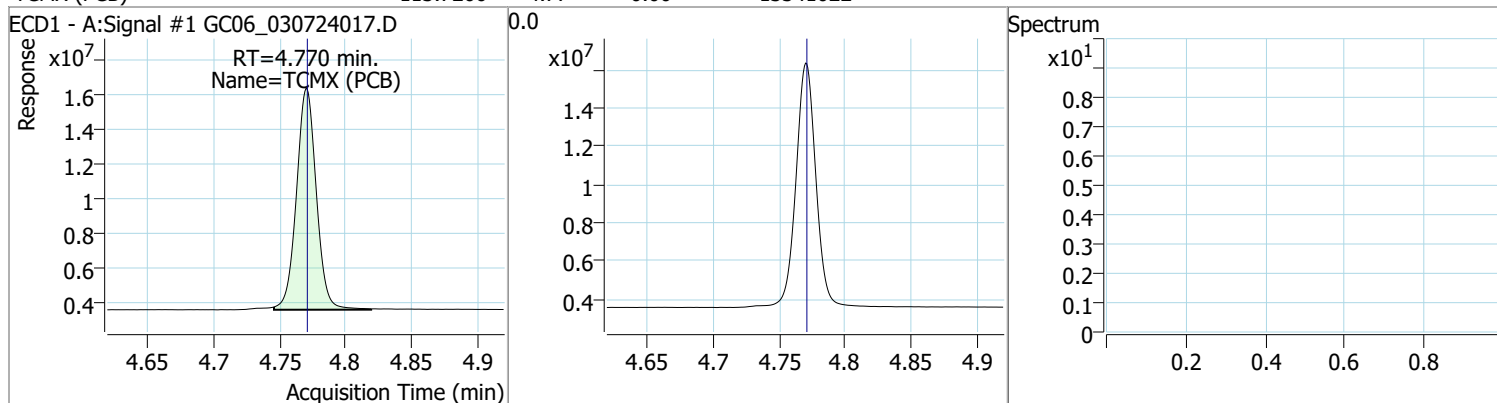
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.             | Conc.     | Units   | Dev(Min) |
|---------------|--------|------|-------------------|-----------|---------|----------|
| T AR1016 1    | 5.120  | 0.0  | 3458642.76<br>1   | 1327.6385 | ng/ml   | 100      |
| T AR1016 2    | 5.444  | 0.0  | 6570722.42<br>6   | 1304.5298 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.499  | 0.0  | 30551850.7<br>74  | 1295.4628 | ng/ml   | 100      |
| T AR1016 3    | 5.882  | 0.0  | 8725177.49<br>4   | 1360.3774 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.896  | 0.0  | 60576538.6<br>12  | 1261.8649 | ng/ml   | 100      |
| T AR1016 4    | 6.011  | 0.0  | 5140718.53<br>3   | 1339.1699 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.389  | 0.0  | 83770468.9<br>88  | 1265.4554 | ng/ml m | 100      |
| T AR1016 5    | 6.435  | 0.0  | 4805321.27<br>5   | 1366.2571 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.545  | 0.0  | 55709387.9<br>01  | 1294.1325 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.152  | 0.0  | 46492360.8<br>81  | 1326.1182 | ng/ml   | 100      |
| T AR1260 1    | 8.140  | 0.0  | 9867245.82<br>7   | 1331.5094 | ng/ml   | 100      |
| T AR1260 2    | 8.666  | 0.0  | 15086316.5<br>01  | 1343.6582 | ng/ml   | 100      |
| T AR1260 3    | 9.188  | 0.0  | 16010148.3<br>49  | 1381.7790 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.405  | 0.0  | 84173000.7<br>05  | 1214.4585 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.710  | 0.0  | 99020798.6<br>45  | 1200.4546 | ng/ml   | 100      |
| T AR1260 4    | 9.733  | 0.0  | 8713989.24<br>7   | 1348.4881 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.180 | 0.0  | 122484591.<br>640 | 1268.9875 | ng/ml   | 100      |
| T AR1260 5    | 10.479 | 0.0  | 11778143.6<br>77  | 1407.8742 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.624 | 0.0  | 73819278.1<br>75  | 1455.0481 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.262 | 0.0  | 98645196.5<br>27  | 1482.8907 | ng/ml   | 100      |

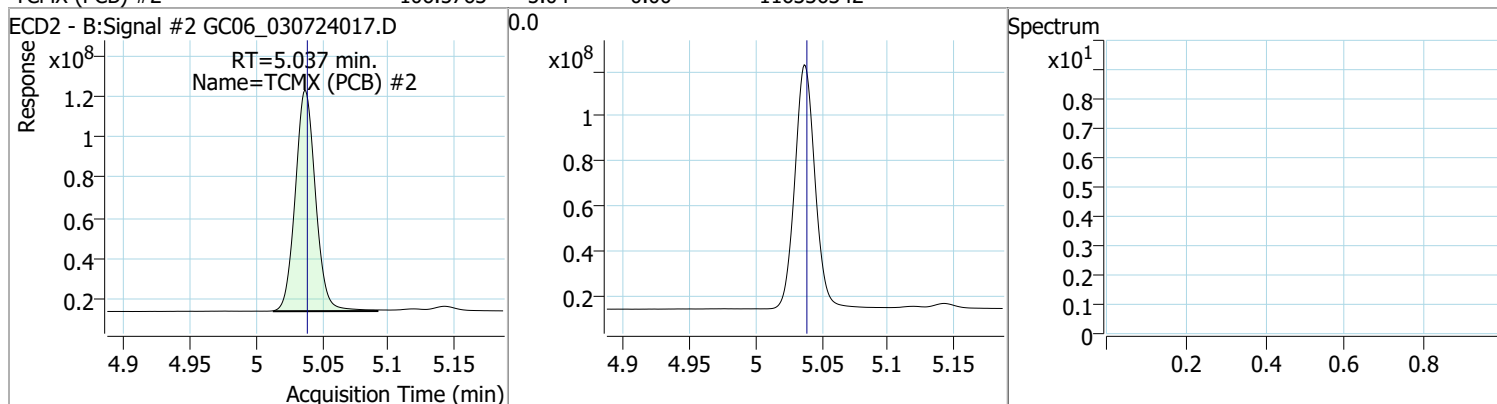
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

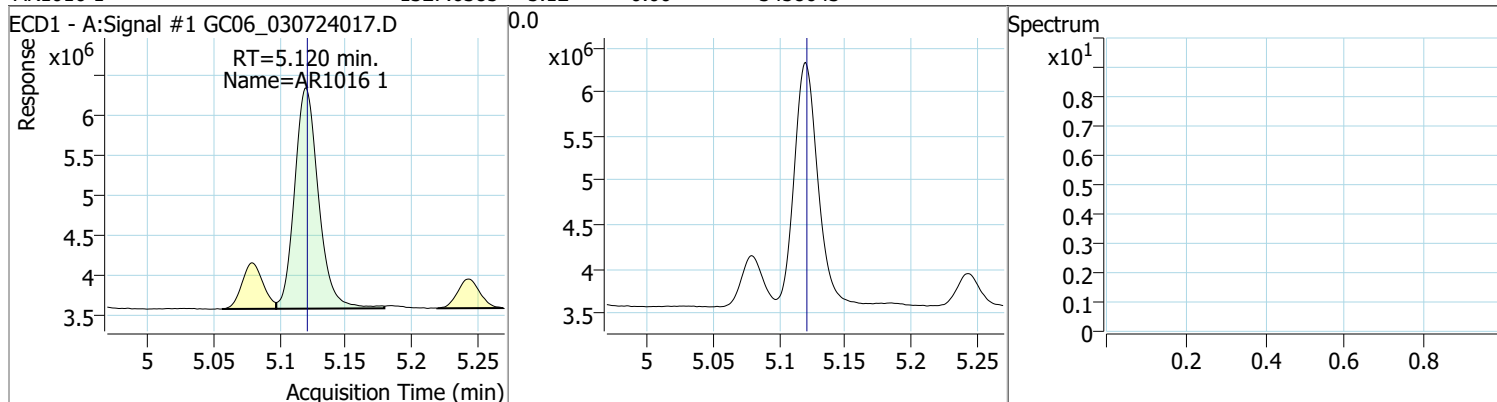
| Compound   | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) | 113.7266 | 4.77 | 0.00     | 13341022 |      |        |       |       |



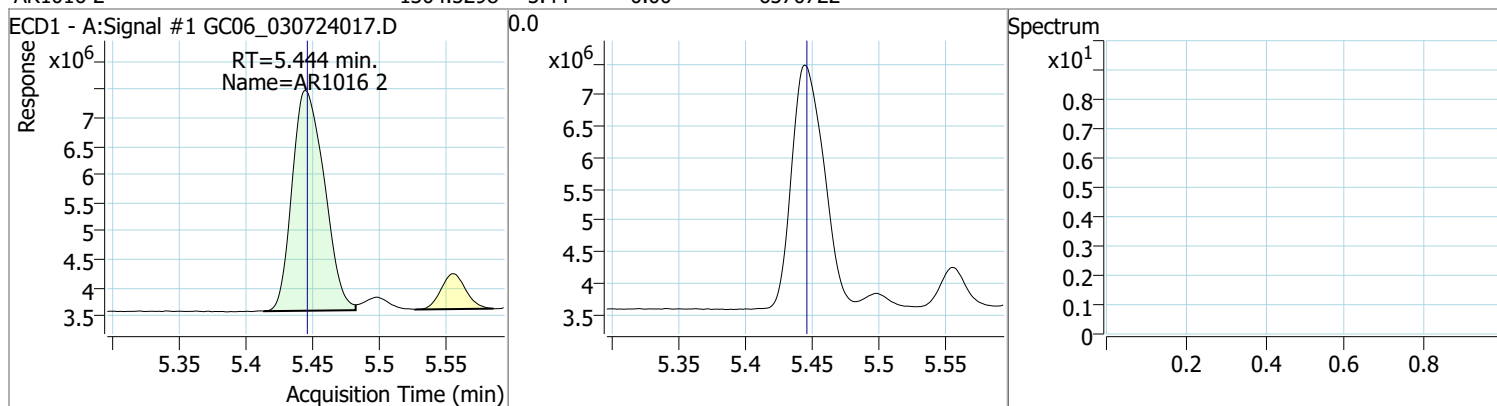
| Compound      | Conc.    | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|-----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 106.5763 | 5.04 | 0.00     | 116336342 |      |        |       |       |



| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 1327.6385 | 5.12 | 0.00     | 3458643 |      |        |       |       |

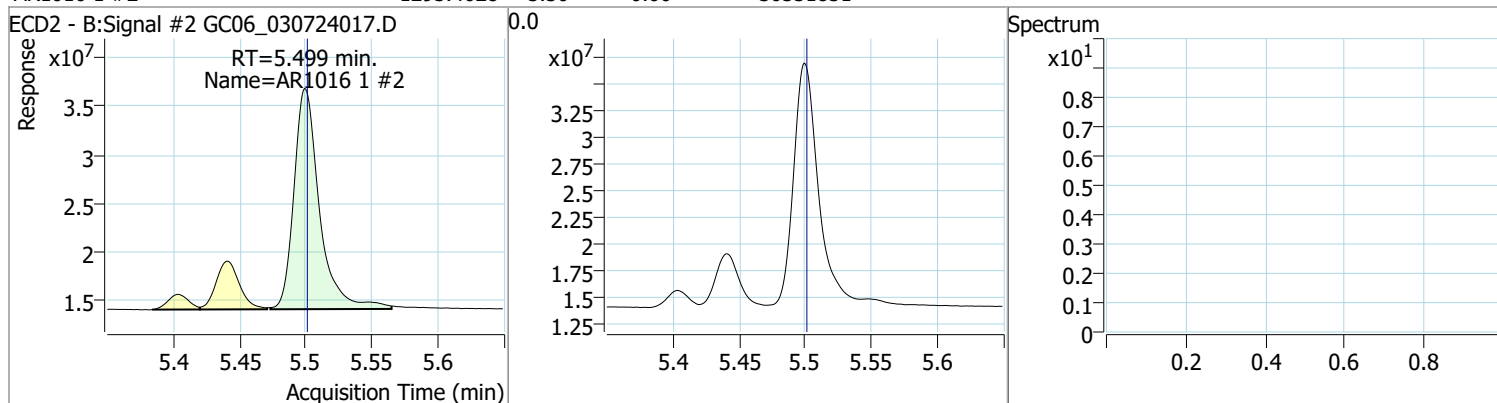


| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 1304.5298 | 5.44 | 0.00     | 6570722 |      |        |       |       |

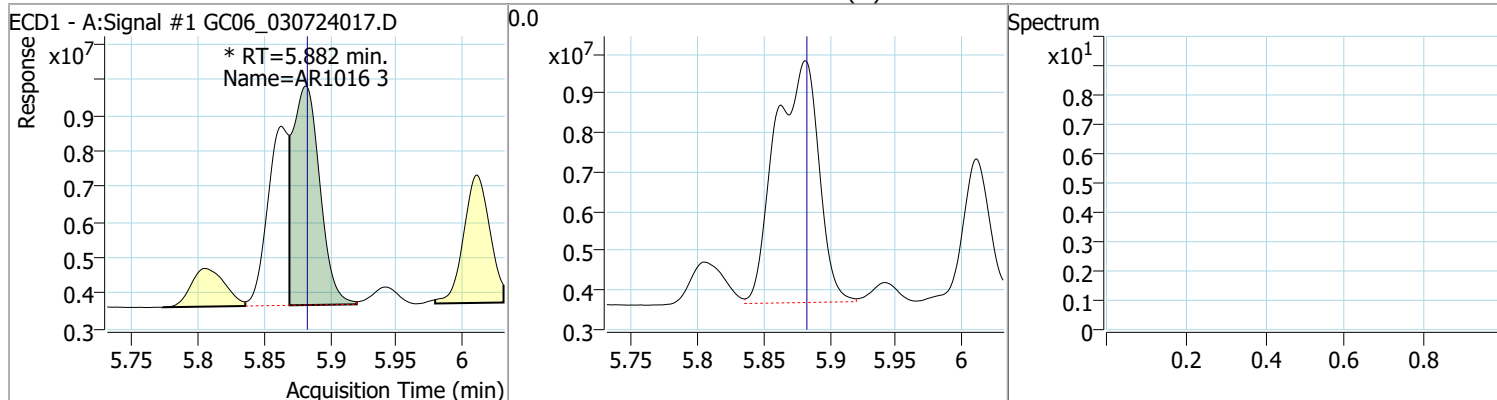


# Quantitation Results Report (Not Reviewed)

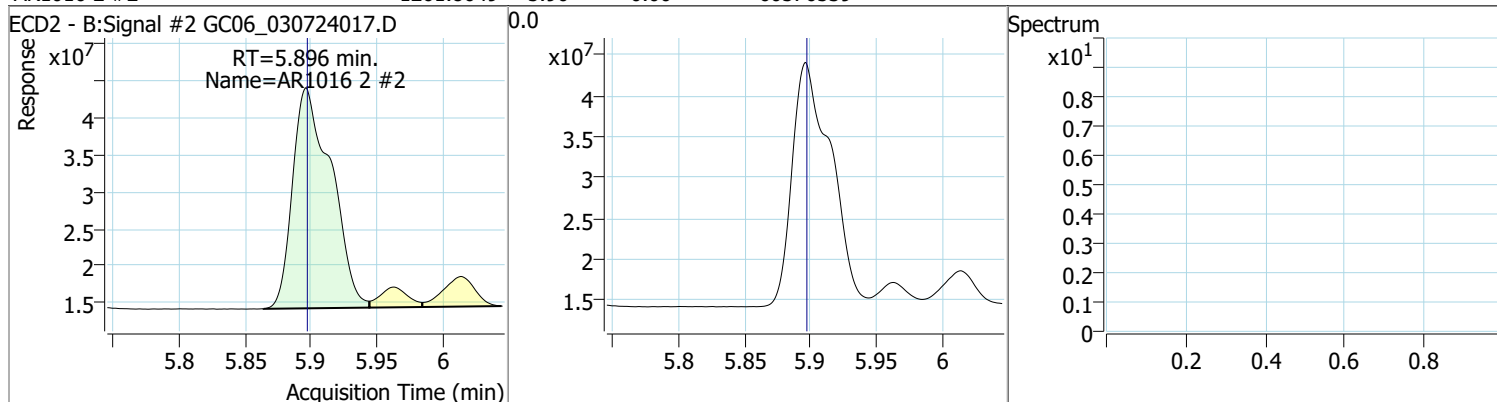
| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 1295.4628 | 5.50 | 0.00     | 30551851 |      |        |       |       |



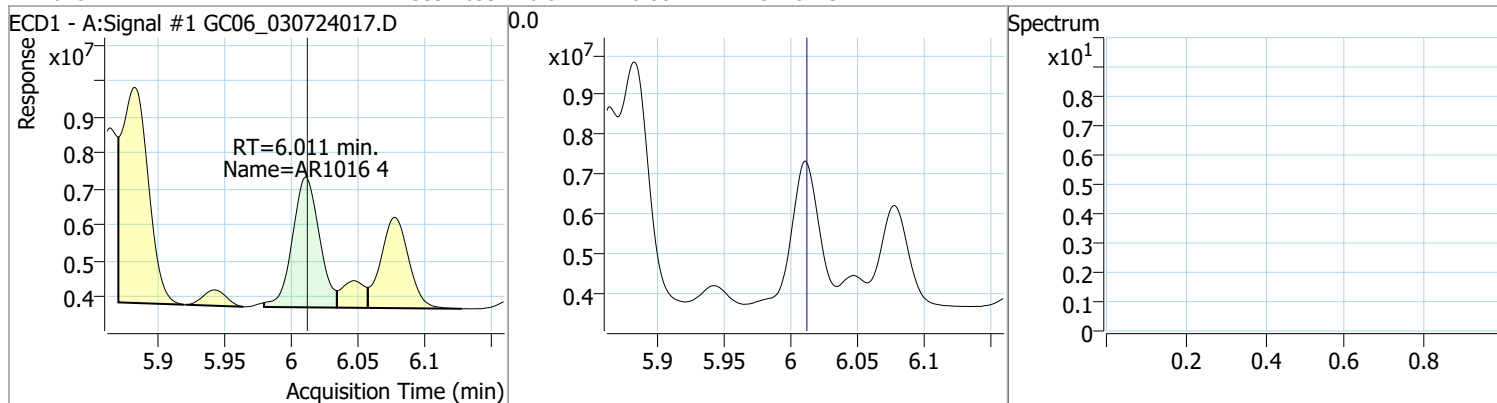
| Compound | Conc.     | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 1360.3774 | 5.88 | 0.00     | 8725177 (m) |      |        |       |       |



| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 1261.8649 | 5.90 | 0.00     | 60576539 |      |        |       |       |

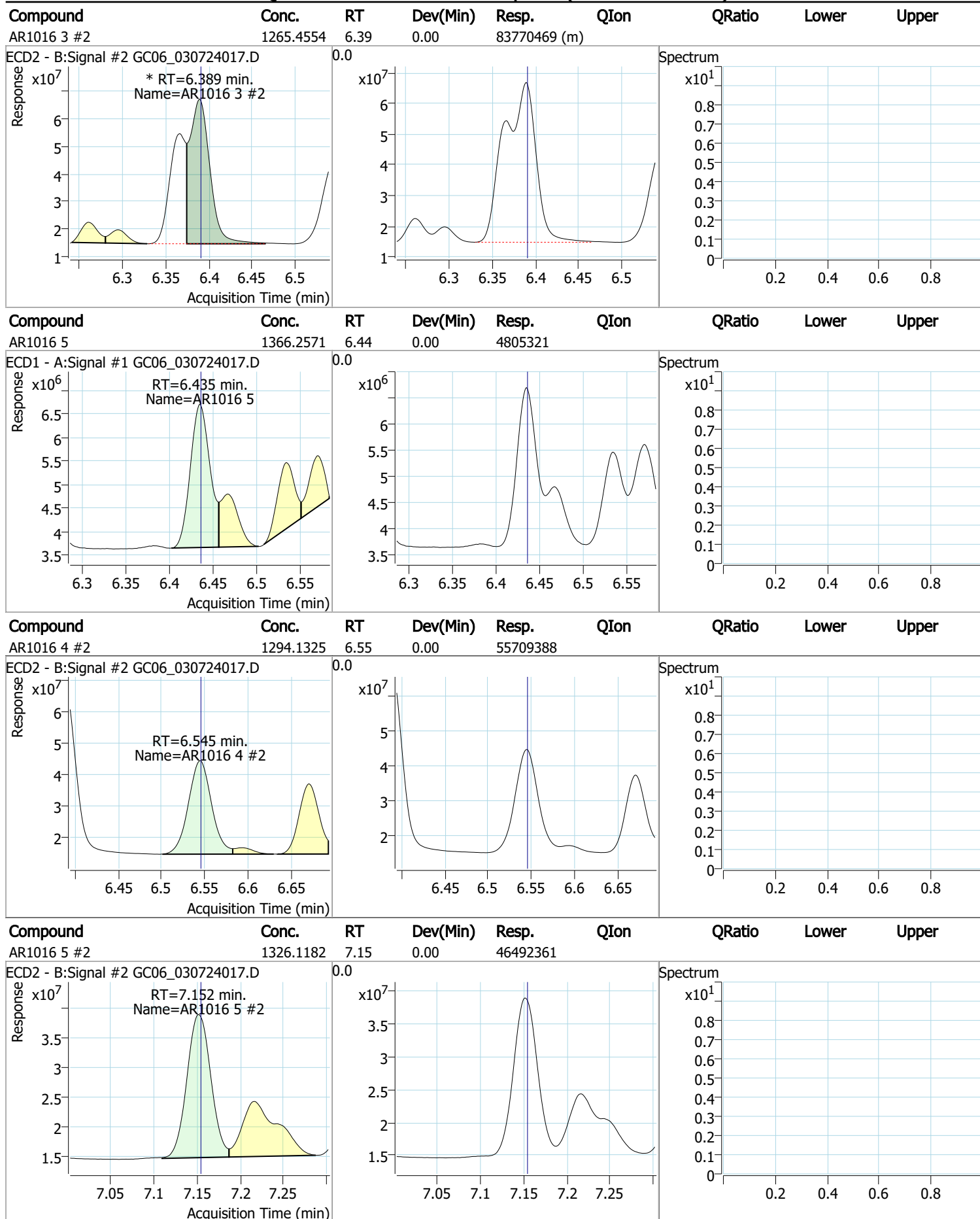


| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 1339.1699 | 6.01 | 0.00     | 5140719 |      |        |       |       |

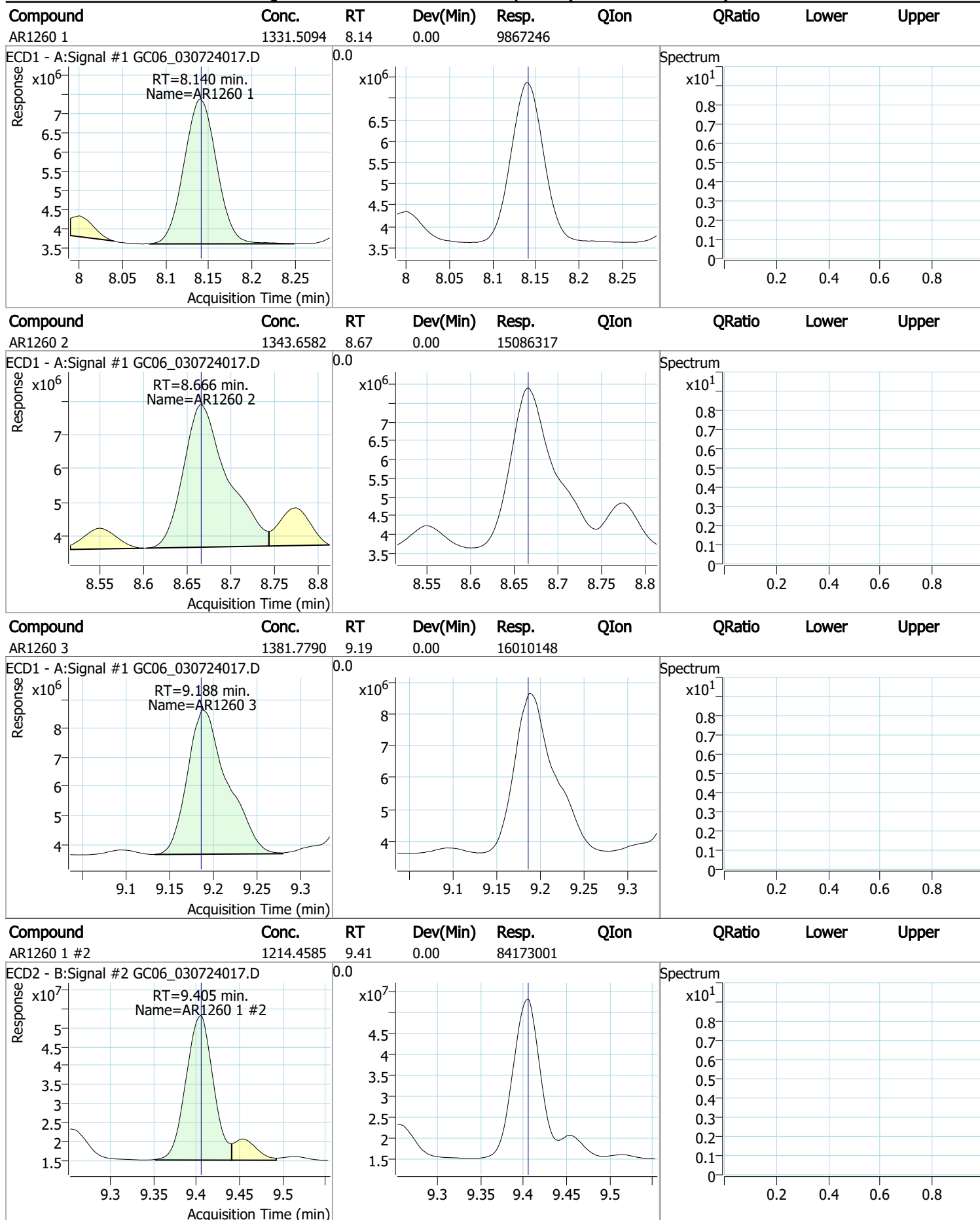




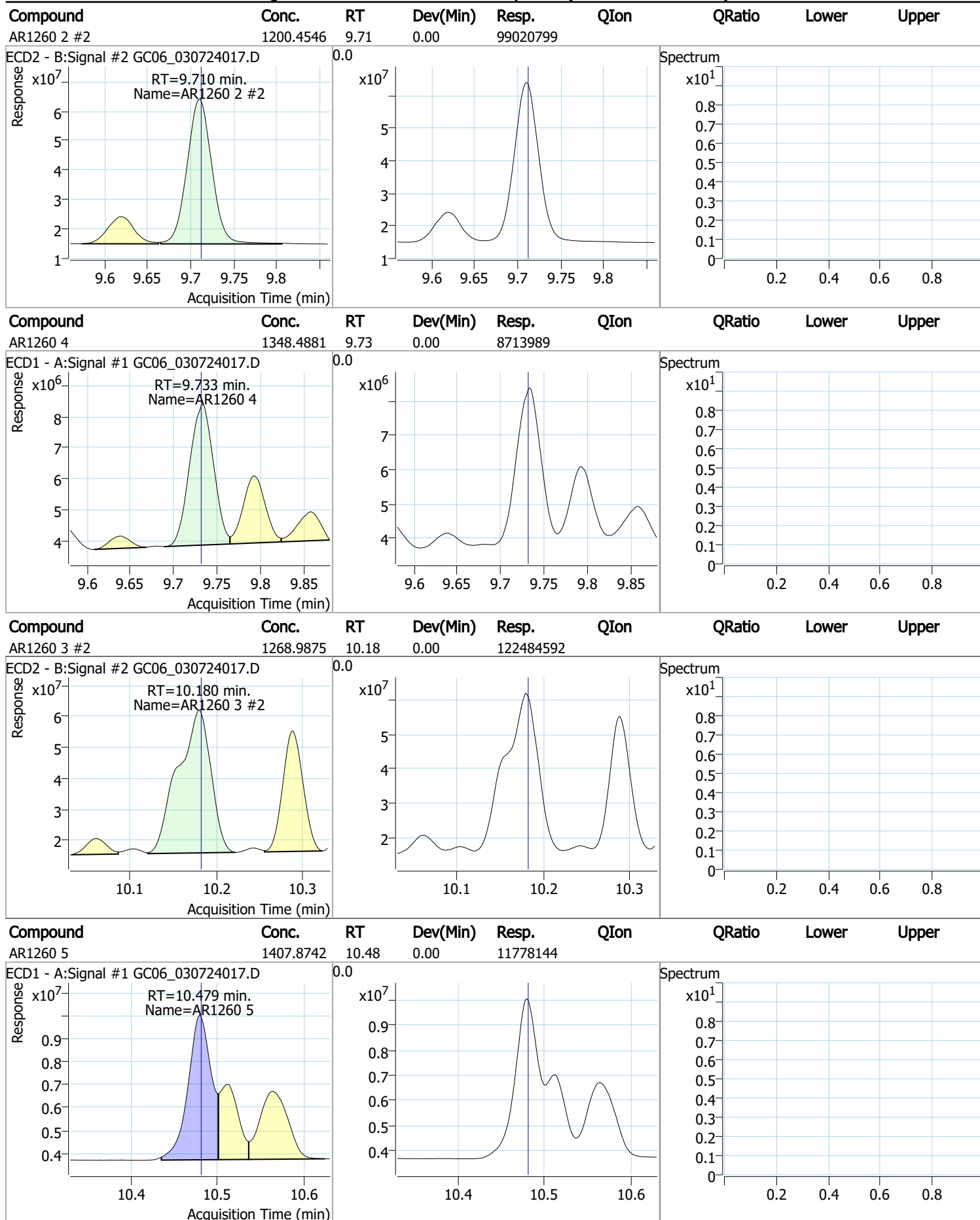
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

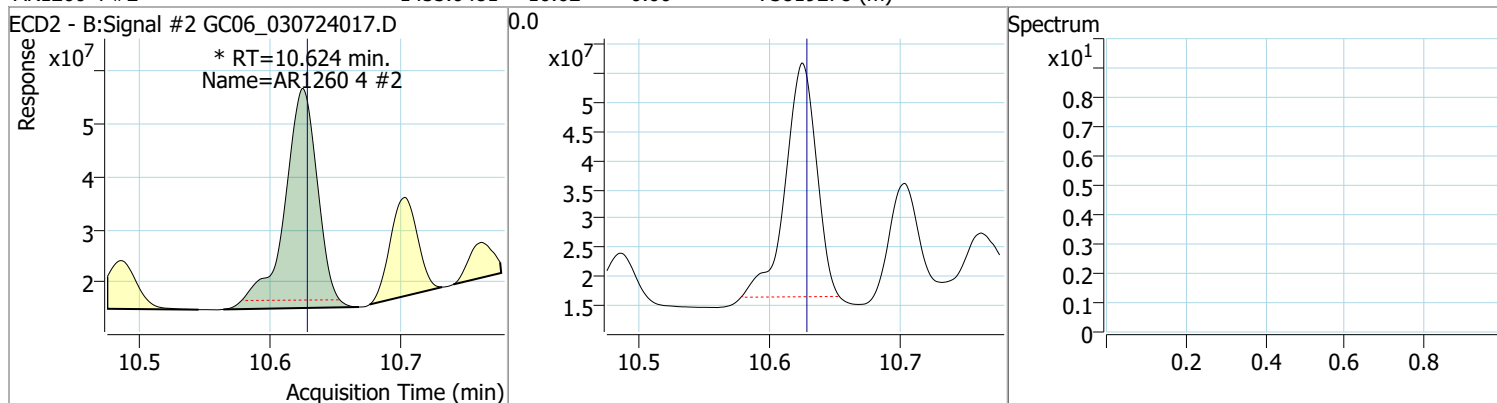


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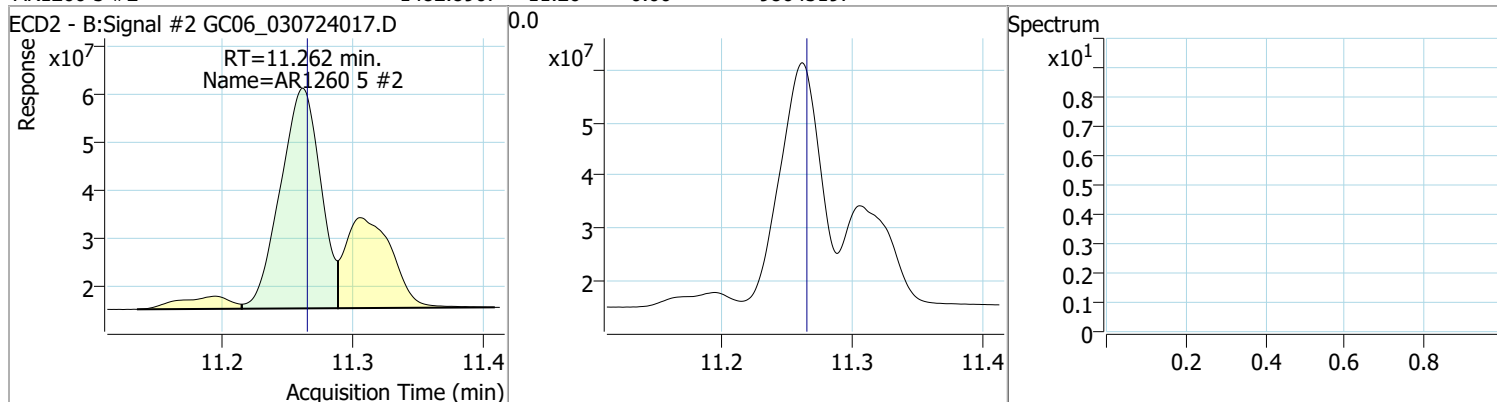


# Quantitation Results Report (Not Reviewed)

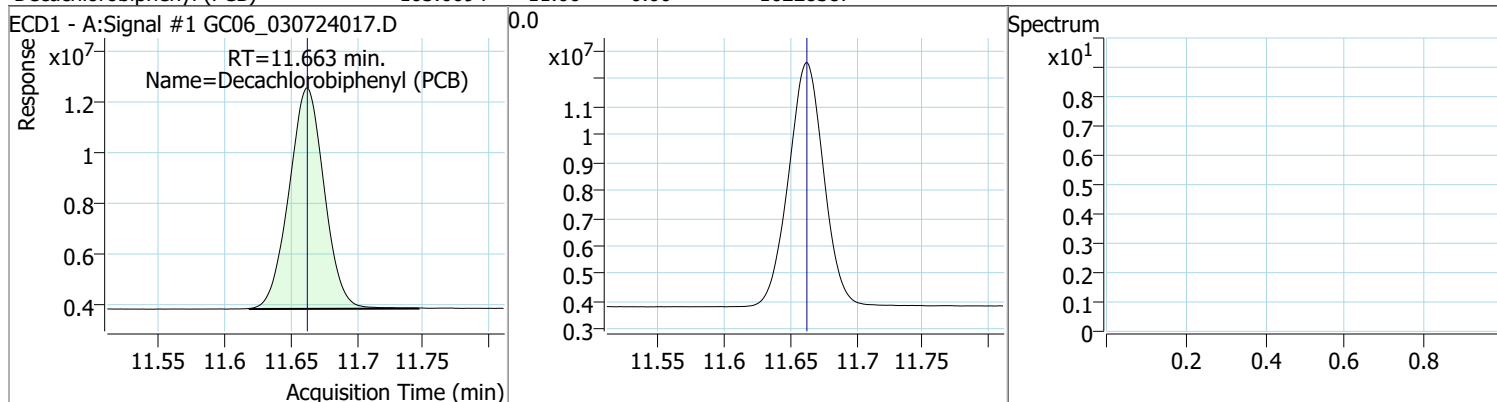
| Compound    | Conc.     | RT    | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|--------------|------|--------|-------|-------|
| AR1260 4 #2 | 1455.0481 | 10.62 | 0.00     | 73819278 (m) |      |        |       |       |



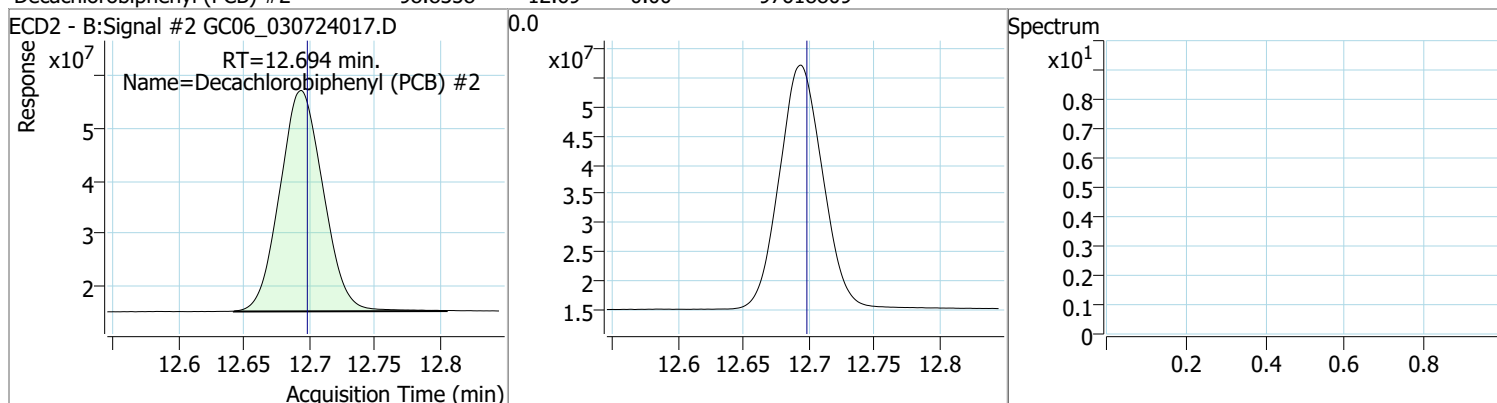
| Compound    | Conc.     | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|----------|------|--------|-------|-------|
| AR1260 5 #2 | 1482.8907 | 11.26 | 0.00     | 98645197 |      |        |       |       |



| Compound                 | Conc.    | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------------|----------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 103.6694 | 11.66 | 0.00     | 16228387 |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 98.8358 | 12.69 | 0.00     | 97618809 |      |        |       |       |

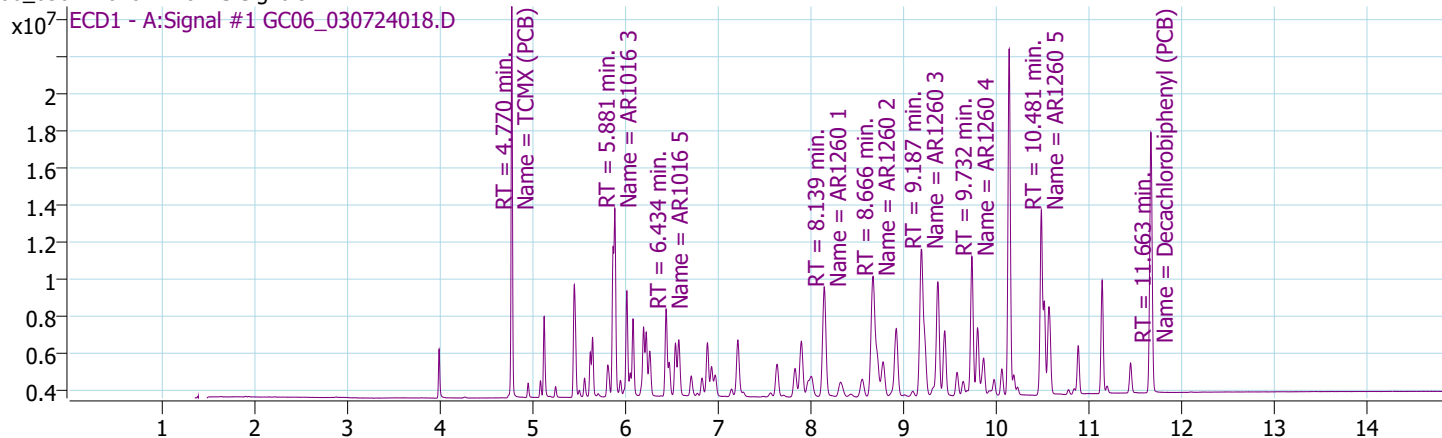


# Quantitation Results Report (Not Reviewed)

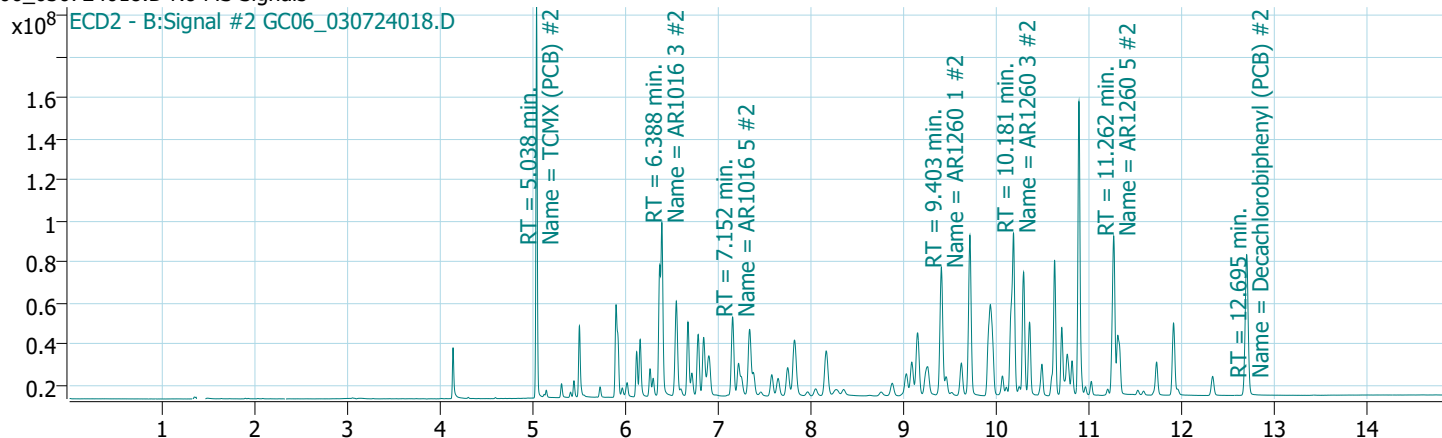
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 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 4:32:52 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 2000 PPB PCB ICAL  
 Tune Date  
 Last Calib Update 3/7/2024 8:17:50 PM

GC06\_030724018.D No MS Signals



GC06\_030724018.D No MS Signals



| Compound                           | RT                   | QIon | Resp.             | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|-------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                   |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.986                | 0.0  | 2824597.19<br>8   | 20.0000            | ng/ml | -0.001   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.136                | 0.0  | 28922766.9<br>86  | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |                   |                    |       |          |
| S TCMX (PCB)                       | 4.770                | 0.0  | 21898352.7<br>63  | 157.0953           | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 785.48% | *     |          |
| S TCMX (PCB) #2                    | 5.038                | 0.0  | 194325370.<br>926 | 146.0913           | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 730.46% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.663               | 0.0  | 26082144.1<br>27  | 140.2159           | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 701.08% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.695               | 0.0  | 154925807.<br>937 | 128.7223           | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 643.61% | *     |          |

## Target Compounds

QValue

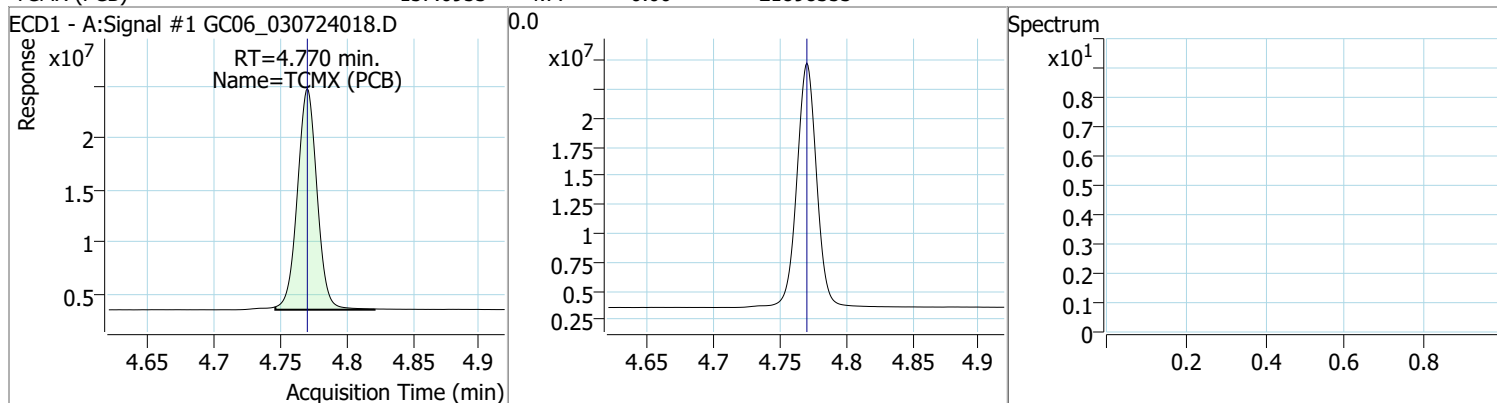
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.             | Conc.     | Units   | Dev(Min) |
|---------------|--------|------|-------------------|-----------|---------|----------|
| T AR1016 1    | 5.119  | 0.0  | 5426712.40<br>4   | 1753.0310 | ng/ml   | 100      |
| T AR1016 2    | 5.444  | 0.0  | 10185388.7<br>56  | 1701.7554 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.499  | 0.0  | 47406453.3<br>28  | 1649.5831 | ng/ml   | 100      |
| T AR1016 3    | 5.881  | 0.0  | 14071469.0<br>95  | 1846.3041 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.894  | 0.0  | 93338116.4<br>61  | 1595.5732 | ng/ml   | 100      |
| T AR1016 4    | 6.011  | 0.0  | 8039924.70<br>6   | 1762.5542 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.388  | 0.0  | 132225518.<br>089 | 1639.1567 | ng/ml m | 100      |
| T AR1016 5    | 6.434  | 0.0  | 7537634.06<br>2   | 1803.5315 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.544  | 0.0  | 87904529.1<br>41  | 1675.7564 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.152  | 0.0  | 73409491.9<br>54  | 1718.3124 | ng/ml   | 100      |
| T AR1260 1    | 8.139  | 0.0  | 15209451.2<br>29  | 1727.1915 | ng/ml   | 100      |
| T AR1260 2    | 8.666  | 0.0  | 23164912.5<br>75  | 1736.2607 | ng/ml   | 100      |
| T AR1260 3    | 9.187  | 0.0  | 24961341.5<br>51  | 1812.9666 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.403  | 0.0  | 133699351.<br>953 | 1583.0275 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.711  | 0.0  | 155582883.<br>230 | 1547.8556 | ng/ml   | 100      |
| T AR1260 4    | 9.732  | 0.0  | 13523018.1<br>36  | 1761.0934 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.181 | 0.0  | 195502619.<br>850 | 1662.1788 | ng/ml   | 100      |
| T AR1260 5    | 10.481 | 0.0  | 18202180.5<br>11  | 1831.0031 | ng/ml m | 100      |
| T AR1260 4 #2 | 10.624 | 0.0  | 120304703.<br>325 | 1969.1938 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.262 | 0.0  | 156884371.<br>774 | 1954.4144 | ng/ml   | 100      |

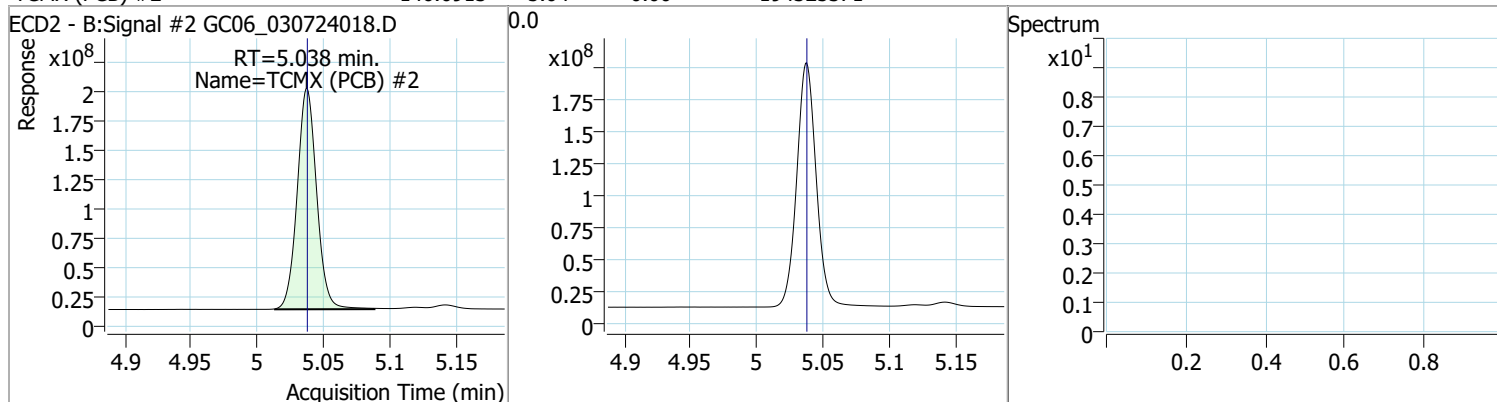
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

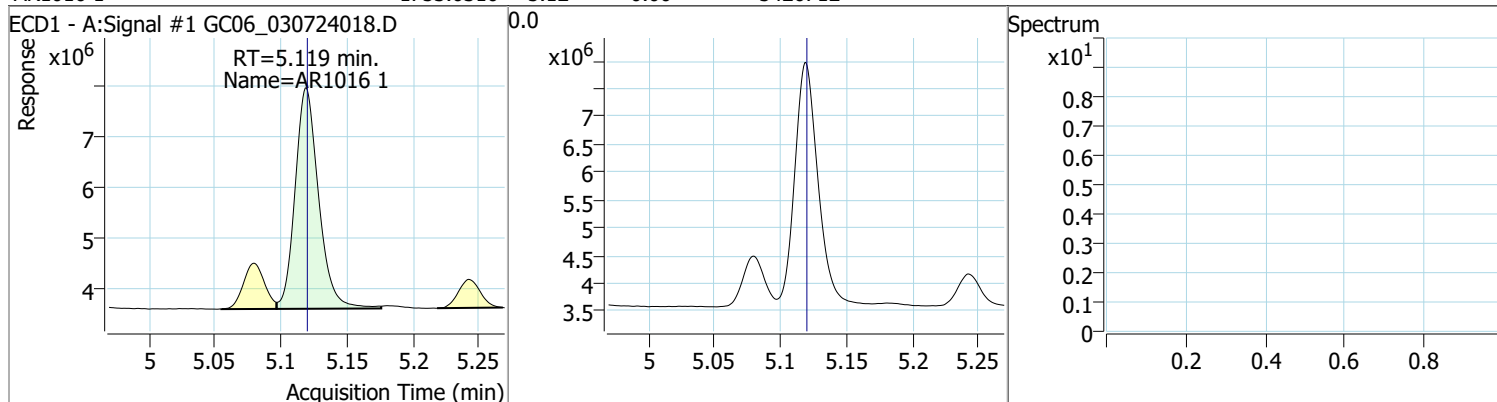
| Compound   | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) | 157.0953 | 4.77 | 0.00     | 21898353 |      |        |       |       |



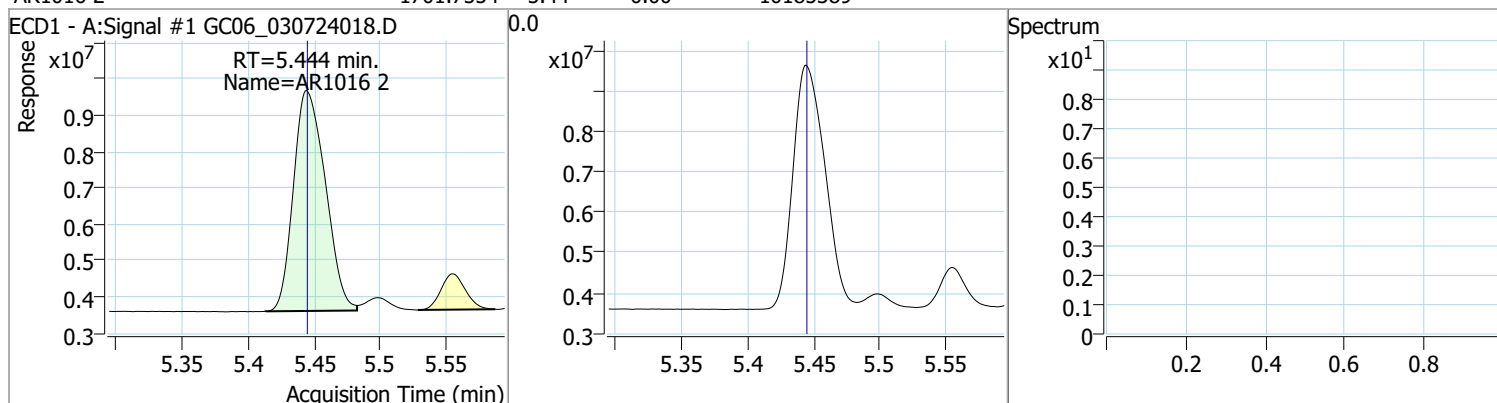
| Compound      | Conc.    | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|-----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 146.0913 | 5.04 | 0.00     | 194325371 |      |        |       |       |



| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 1753.0310 | 5.12 | 0.00     | 5426712 |      |        |       |       |

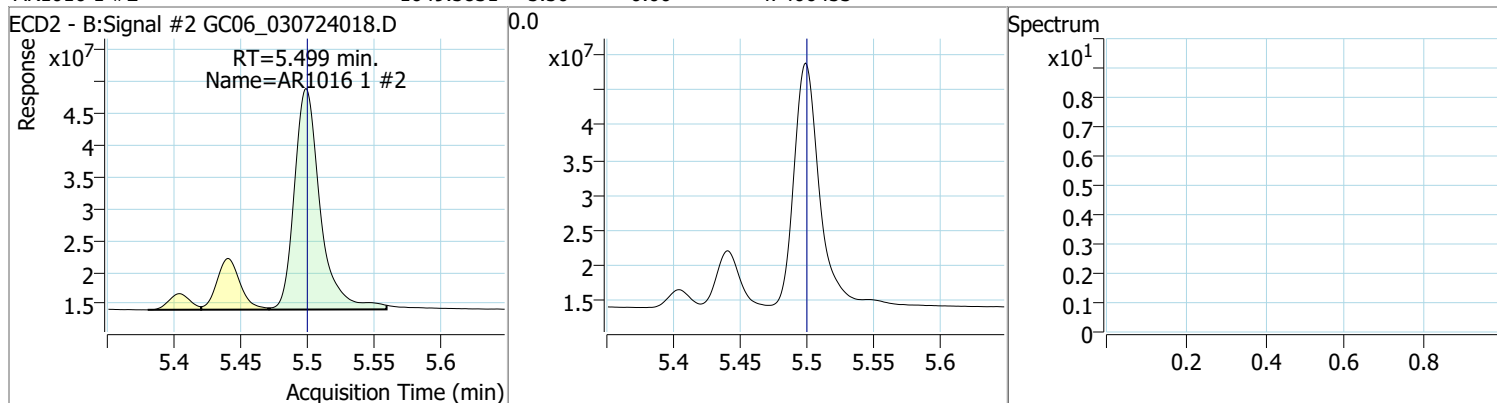


| Compound | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 | 1701.7554 | 5.44 | 0.00     | 10185389 |      |        |       |       |

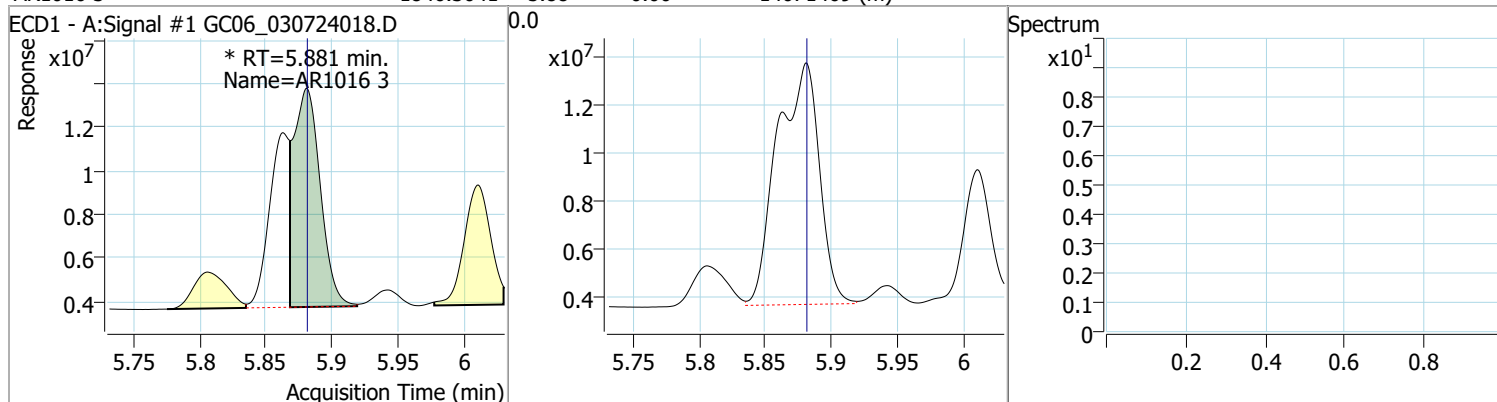


# Quantitation Results Report (Not Reviewed)

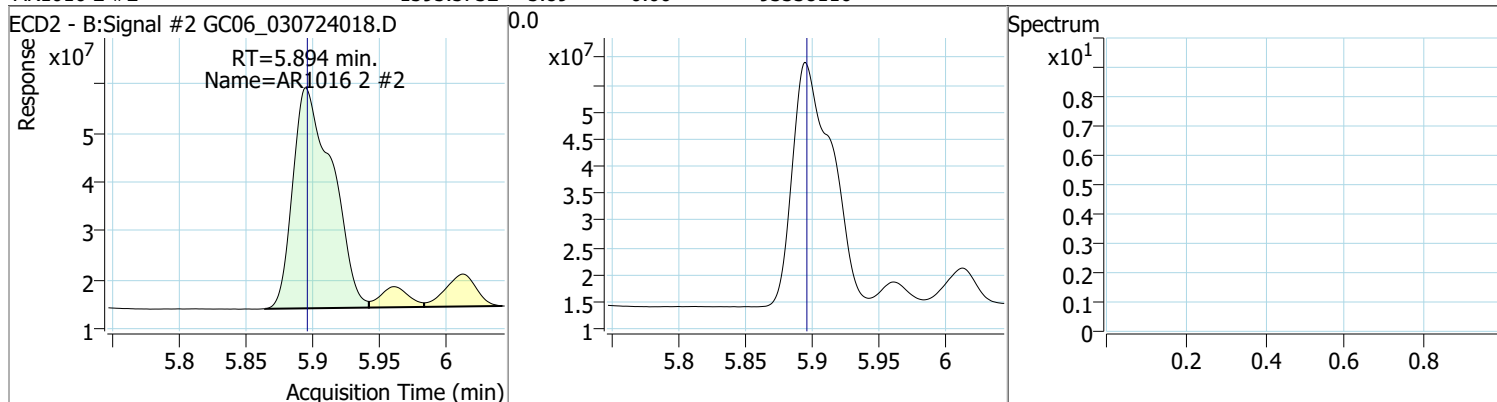
| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 1649.5831 | 5.50 | 0.00     | 47406453 |      |        |       |       |



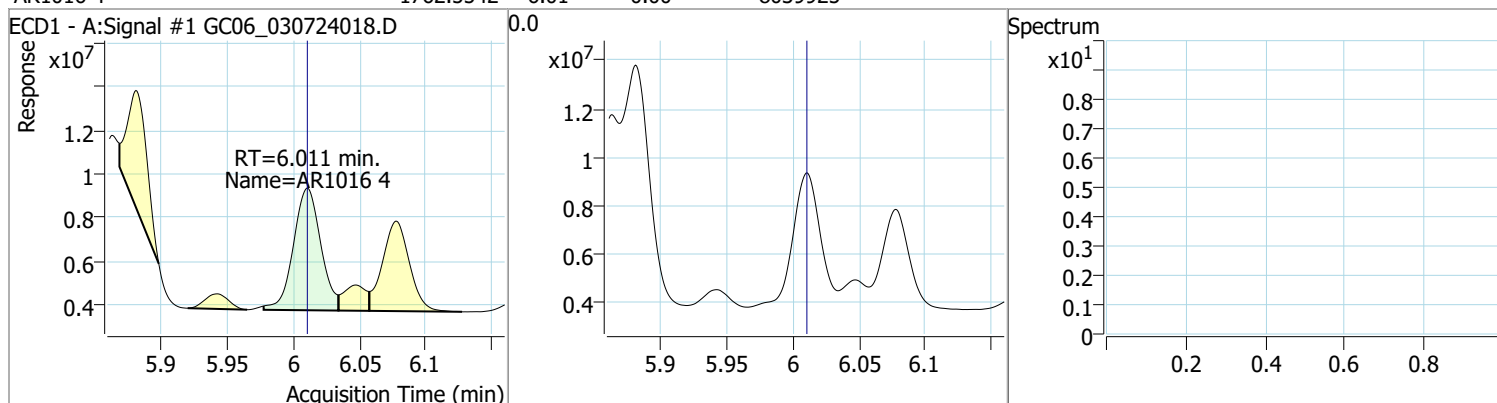
| Compound | Conc.     | RT   | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|--------------|------|--------|-------|-------|
| AR1016 3 | 1846.3041 | 5.88 | 0.00     | 14071469 (m) |      |        |       |       |



| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 1595.5732 | 5.89 | 0.00     | 93338116 |      |        |       |       |



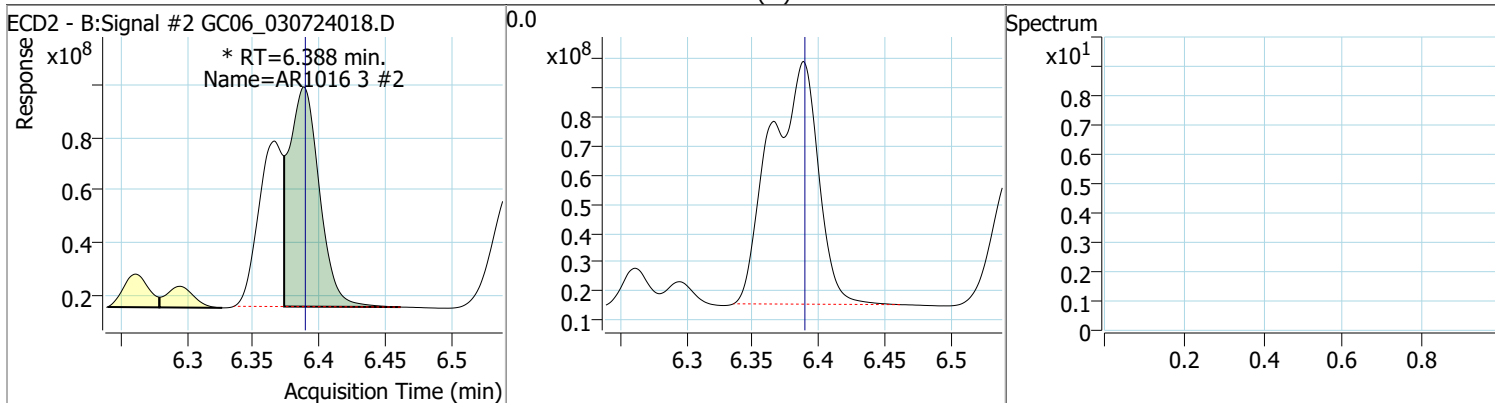
| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 1762.5542 | 6.01 | 0.00     | 8039925 |      |        |       |       |



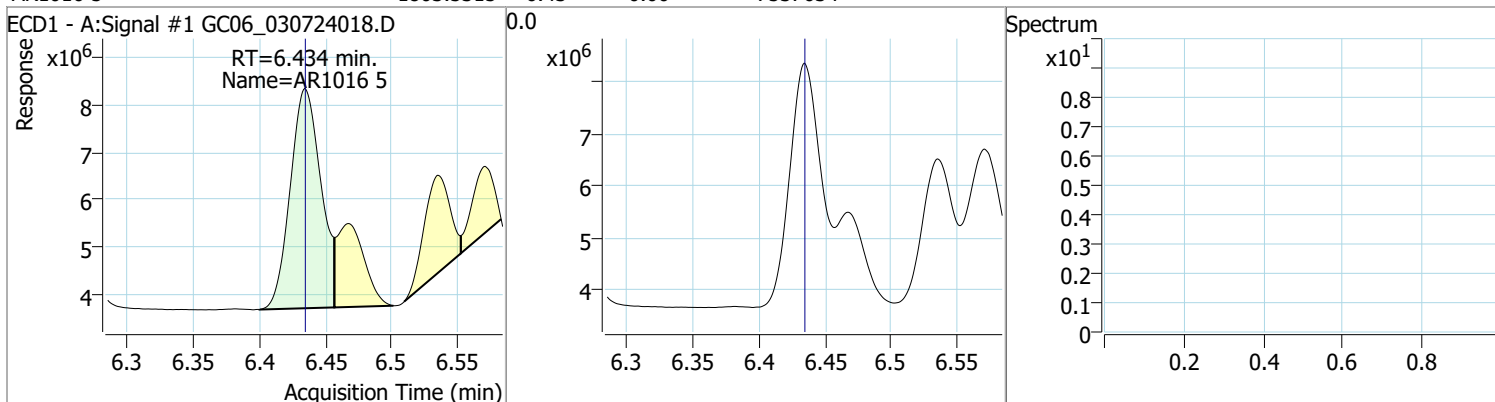


# Quantitation Results Report (Not Reviewed)

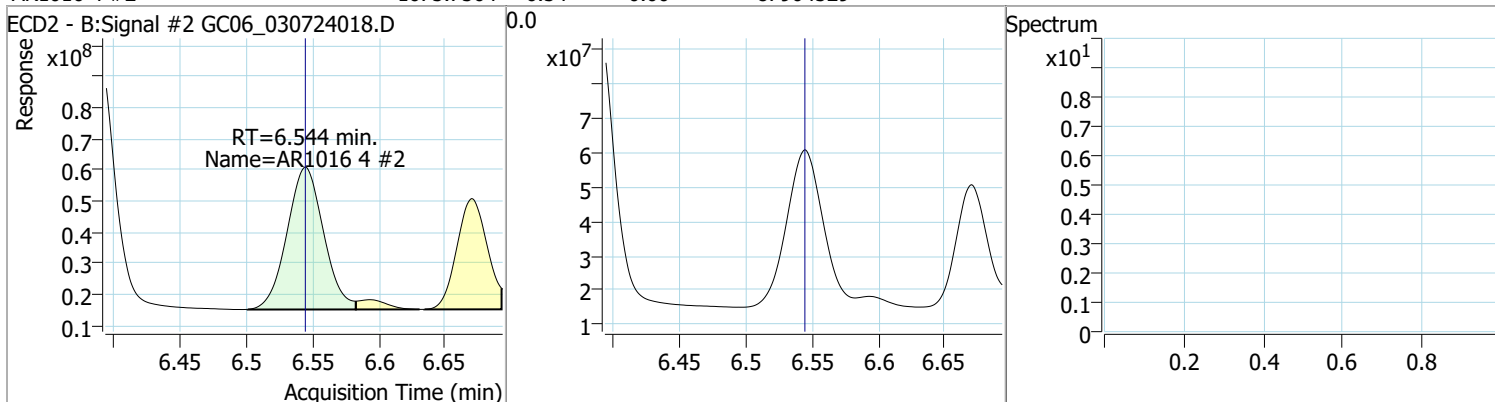
| Compound    | Conc.     | RT   | Dev(Min) | Resp.            | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|------------------|------|--------|-------|-------|
| AR1016 3 #2 | 1639.1567 | 6.39 | 0.00     | 132225518<br>(m) |      |        |       |       |



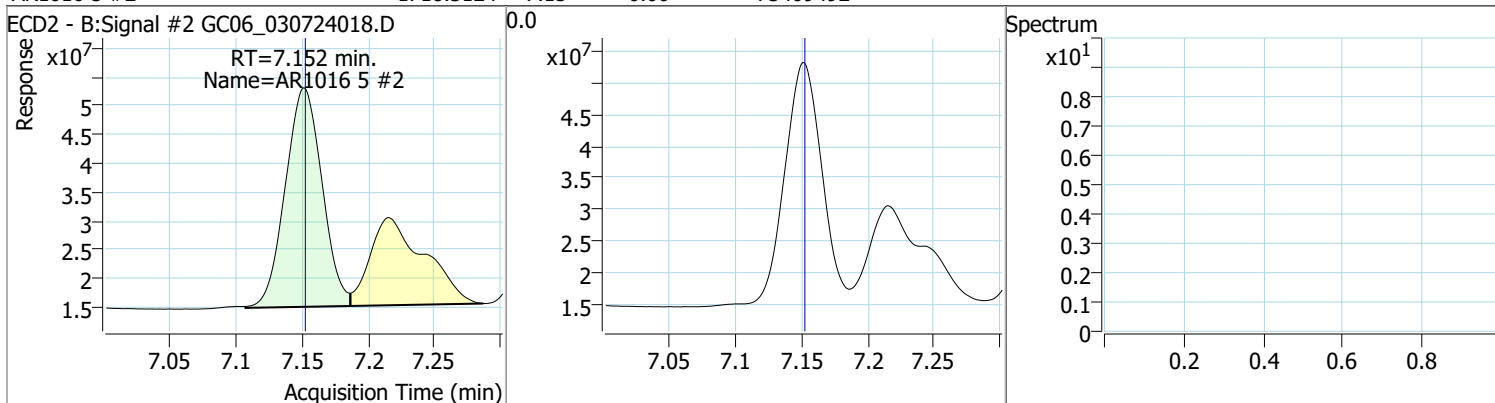
| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 5 | 1803.5315 | 6.43 | 0.00     | 7537634 |      |        |       |       |



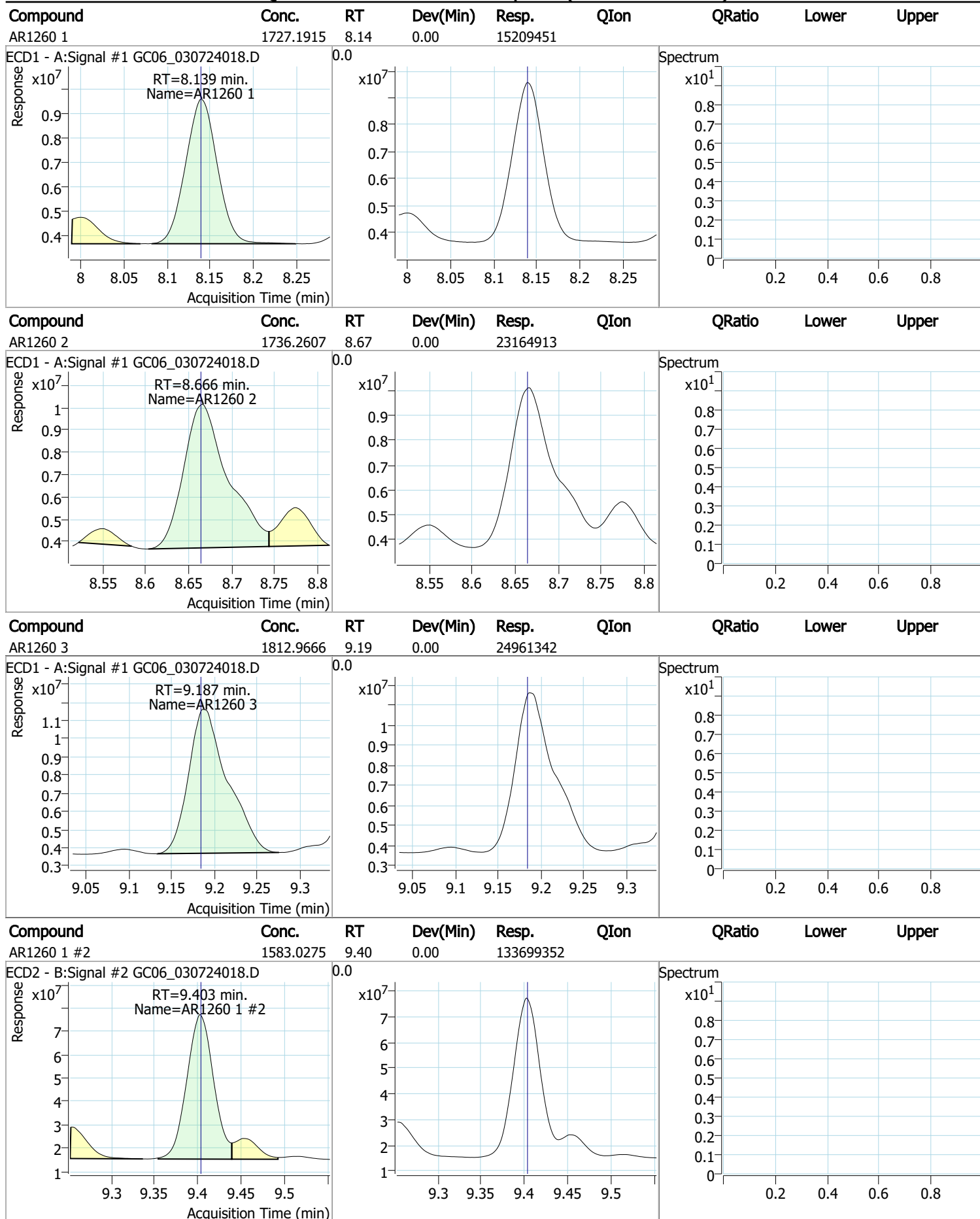
| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 4 #2 | 1675.7564 | 6.54 | 0.00     | 87904529 |      |        |       |       |



| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 5 #2 | 1718.3124 | 7.15 | 0.00     | 73409492 |      |        |       |       |

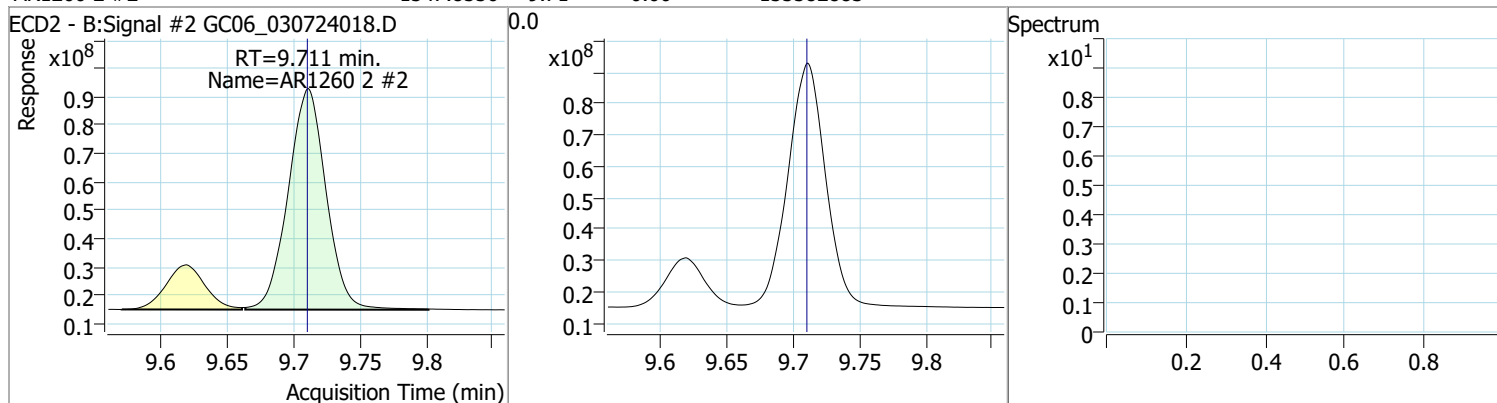


# Quantitation Results Report (Not Reviewed)

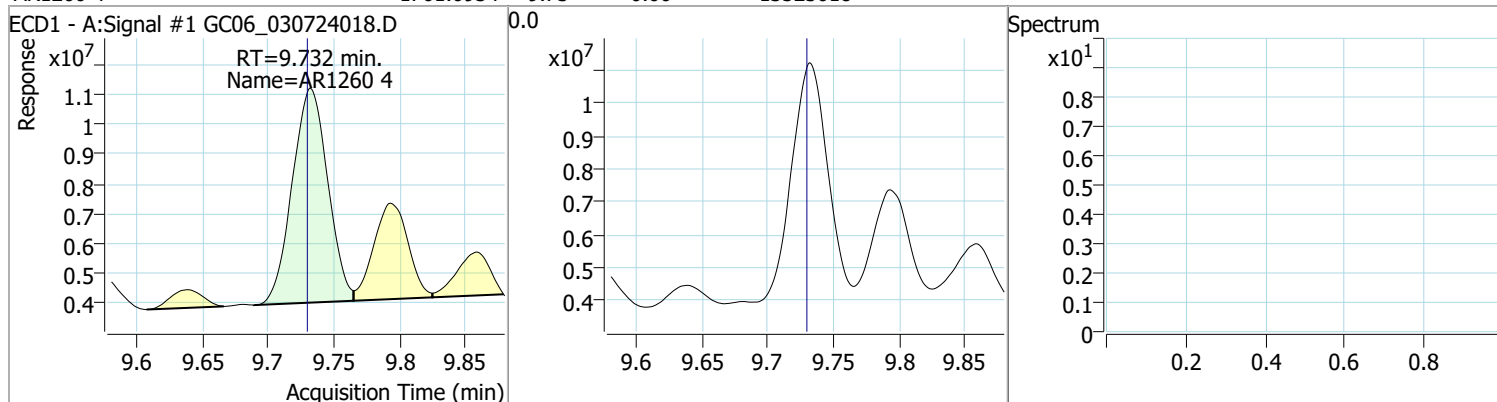


# Quantitation Results Report (Not Reviewed)

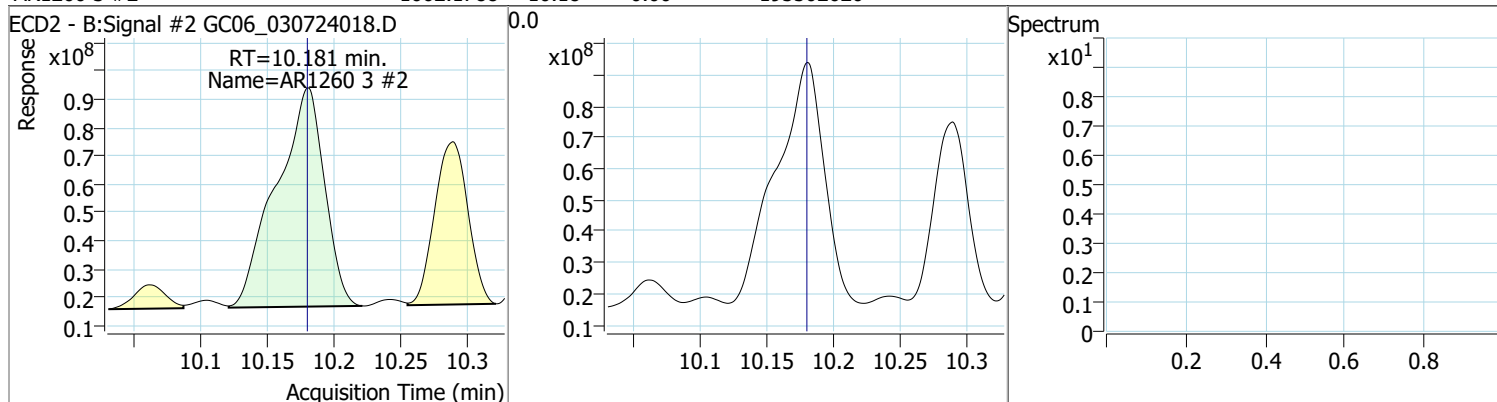
| Compound    | Conc.     | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|-----------|------|--------|-------|-------|
| AR1260 2 #2 | 1547.8556 | 9.71 | 0.00     | 155582883 |      |        |       |       |



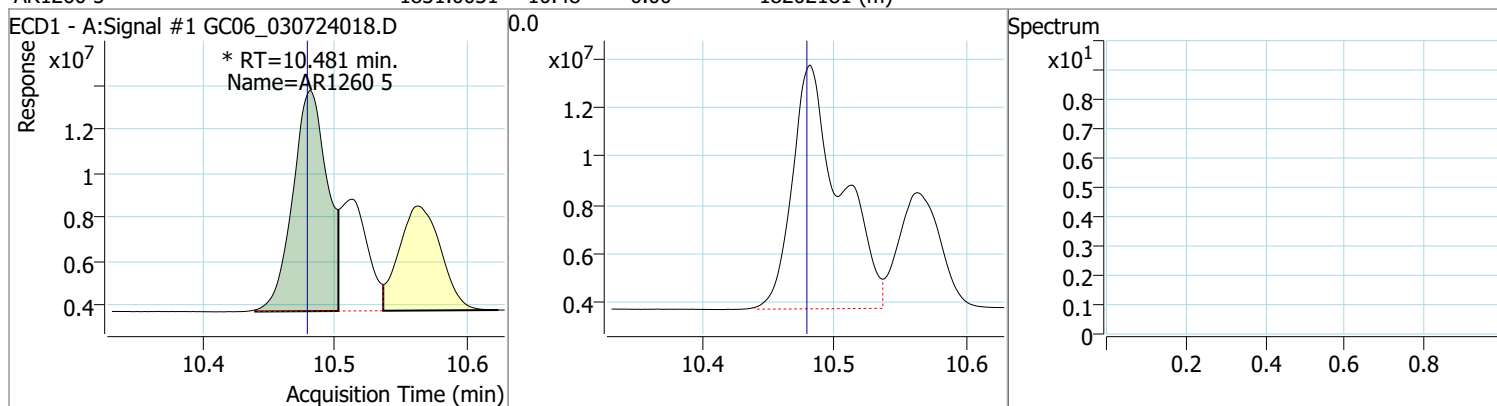
| Compound | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1260 4 | 1761.0934 | 9.73 | 0.00     | 13523018 |      |        |       |       |



| Compound    | Conc.     | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|-----------|------|--------|-------|-------|
| AR1260 3 #2 | 1662.1788 | 10.18 | 0.00     | 195502620 |      |        |       |       |

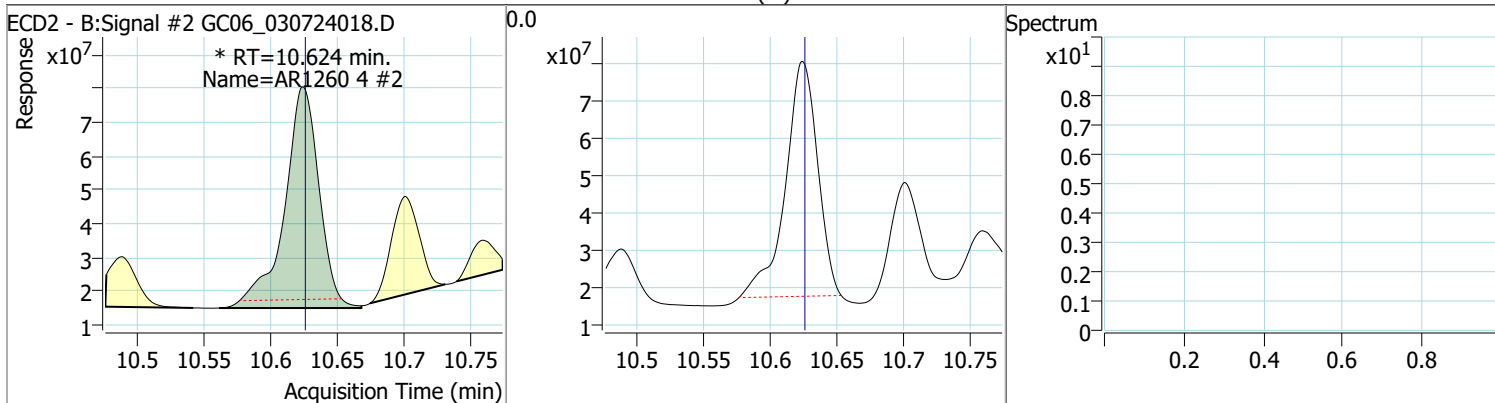


| Compound | Conc.     | RT    | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
|----------|-----------|-------|----------|--------------|------|--------|-------|-------|
| AR1260 5 | 1831.0031 | 10.48 | 0.00     | 18202181 (m) |      |        |       |       |

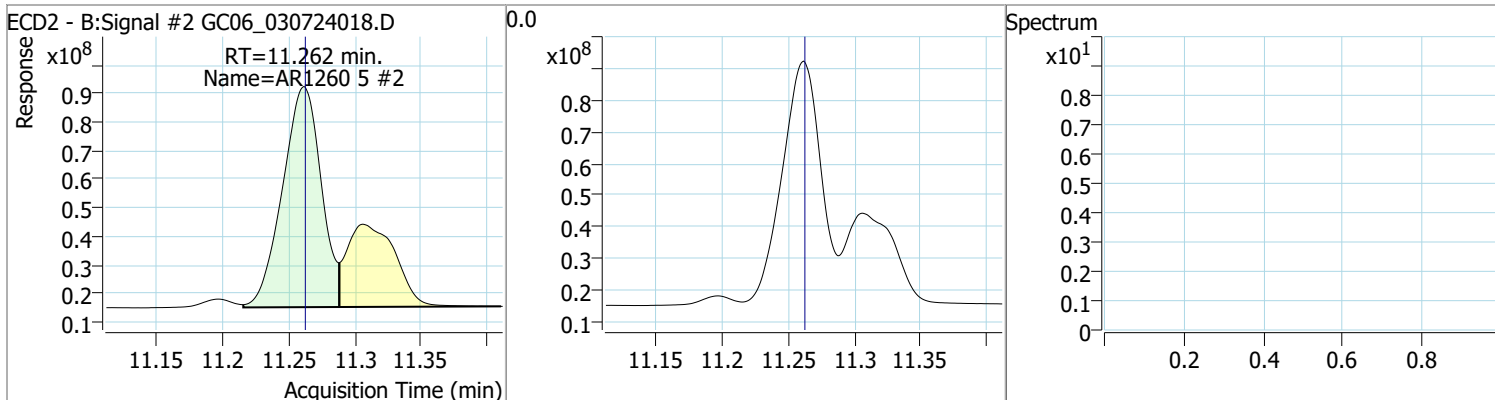


# Quantitation Results Report (Not Reviewed)

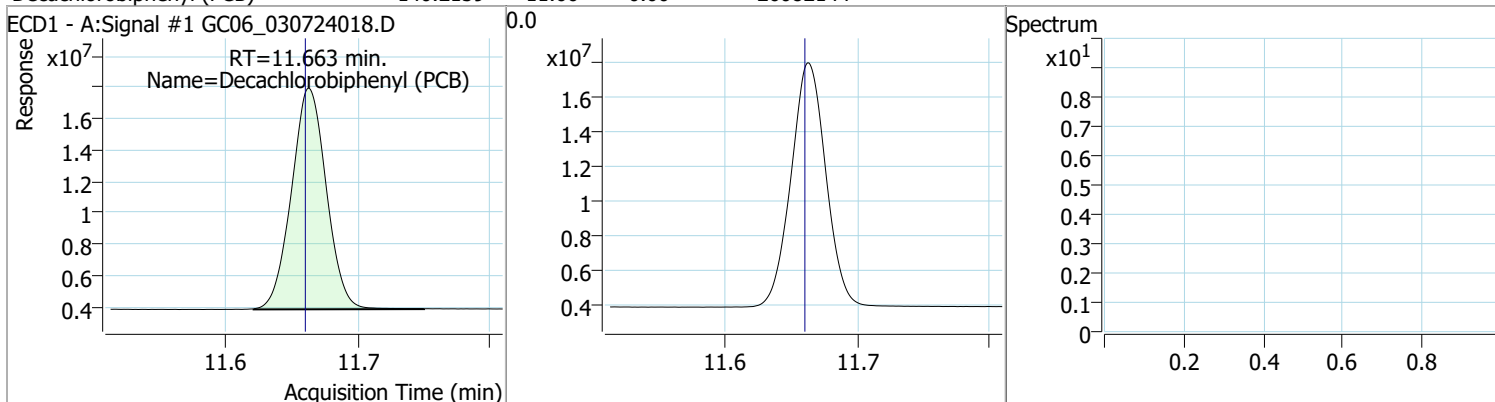
| Compound    | Conc.     | RT    | Dev(Min) | Resp.            | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|------------------|------|--------|-------|-------|
| AR1260 4 #2 | 1969.1938 | 10.62 | 0.00     | 120304703<br>(m) |      |        |       |       |



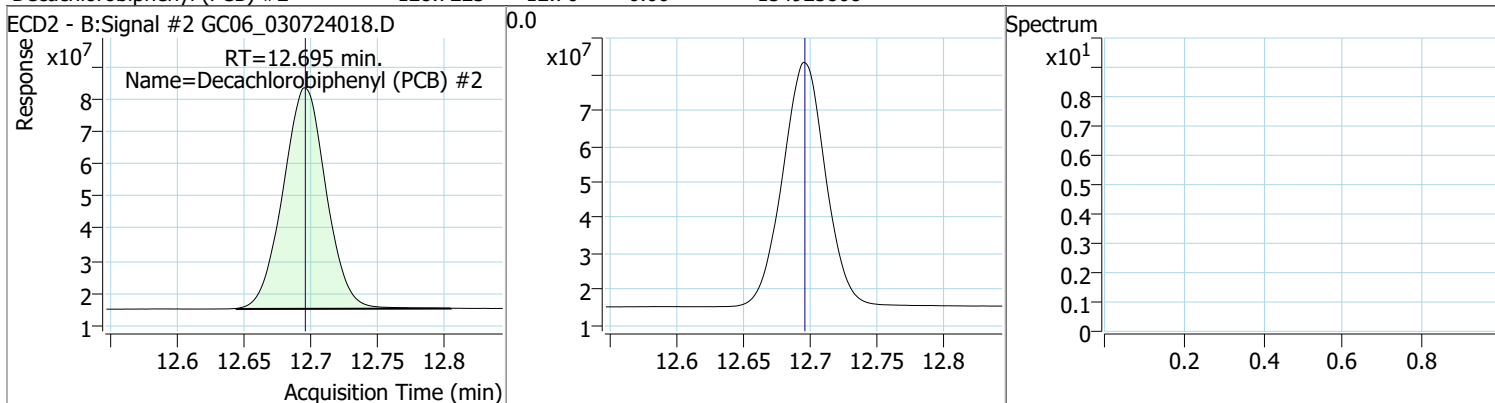
| Compound    | Conc.     | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|-----------|------|--------|-------|-------|
| AR1260 5 #2 | 1954.4144 | 11.26 | 0.00     | 156884372 |      |        |       |       |



| Compound                 | Conc.    | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------------|----------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 140.2159 | 11.66 | 0.00     | 26082144 |      |        |       |       |



| Compound                    | Conc.    | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-----------------------------|----------|-------|----------|-----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 128.7223 | 12.70 | 0.00     | 154925808 |      |        |       |       |

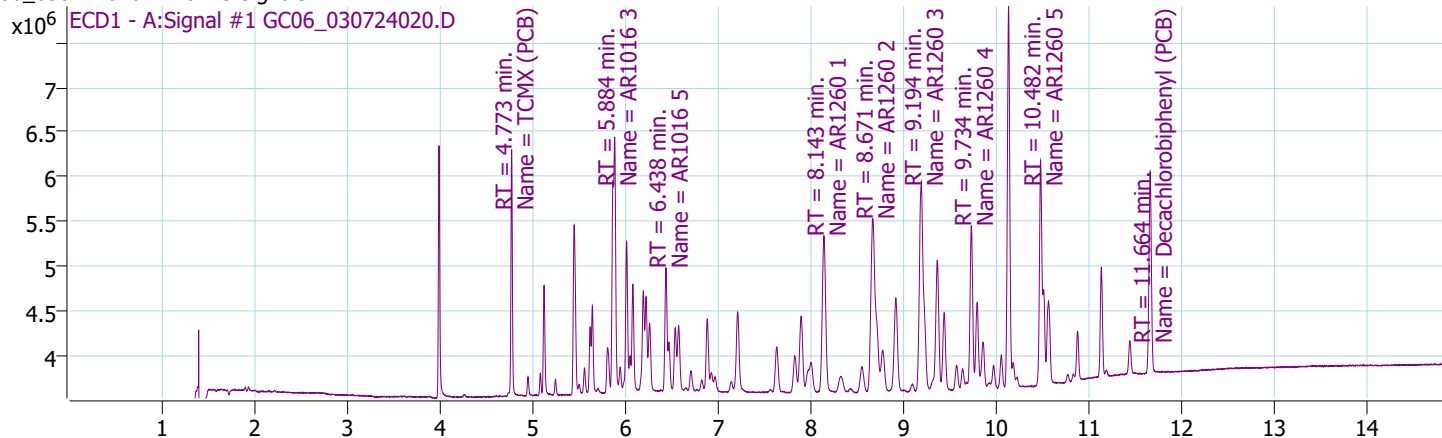


# Quantitation Results Report (Not Reviewed)

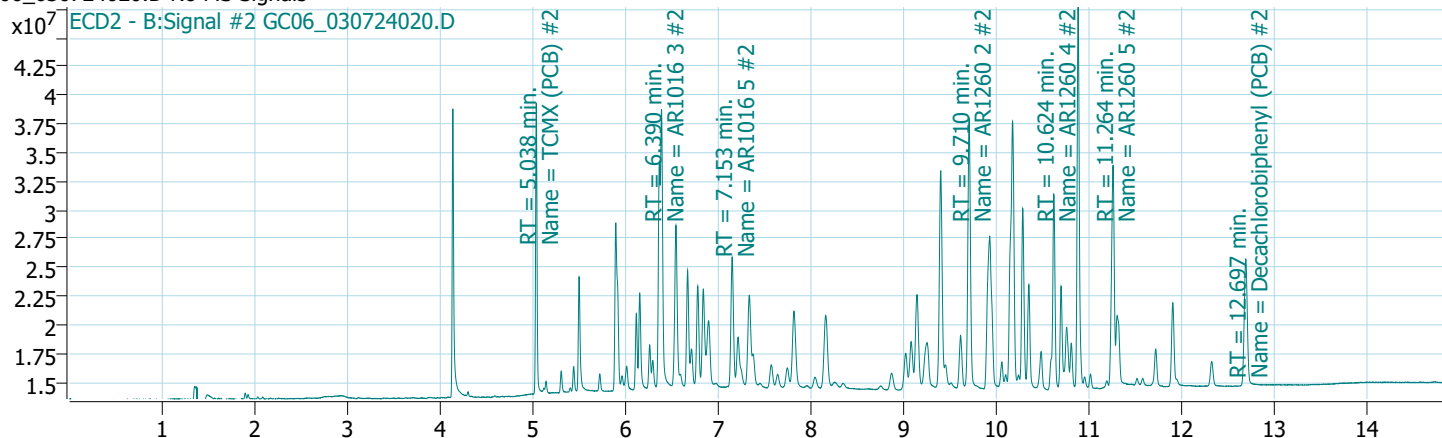
Data File GC06\_030724020.D  
 Acq. Method Acq\_Pesticide\_122221\_3  
 Sample Name ICV, S19897  
 Vial 111  
 DA Method File PCB\_608\_030724\_GC06\_1.m  
 Tune File ATUNE.U  
 Batch Name 030724PCBICAL.batch.bin  
 Ref Library

Operator  
 Acq. Date-Time 3/7/2024 5:13:31 PM  
 Instrument SVOA-GC06  
 Multiplier 1.00  
 Comment 500 PPB PCB ICV  
 Tune Date  
 Last Calib Update 3/7/2024 8:31:22 PM

GC06\_030724020.D No MS Signals



GC06\_030724020.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.988                | 0.0  | 3029781.220  | 20.0000            | ng/ml | 0.002    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.138                | 0.0  | 29664455.650 | 20.0000            | ng/ml | 0.002    |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.773                | 0.0  | 3017780.202  | 20.1829            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 100.91% |       |          |
| S TCMX (PCB) #2                    | 5.038                | 0.0  | 28245523.408 | 20.7037            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 103.52% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.664               | 0.0  | 4118170.176  | 20.6397            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 103.20% |       |          |
| S Decachlorobiphenyl (PCB) #2      | 12.697               | 0.0  | 25974782.210 | 21.0419            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 105.21% |       |          |

## Target Compounds

QValue

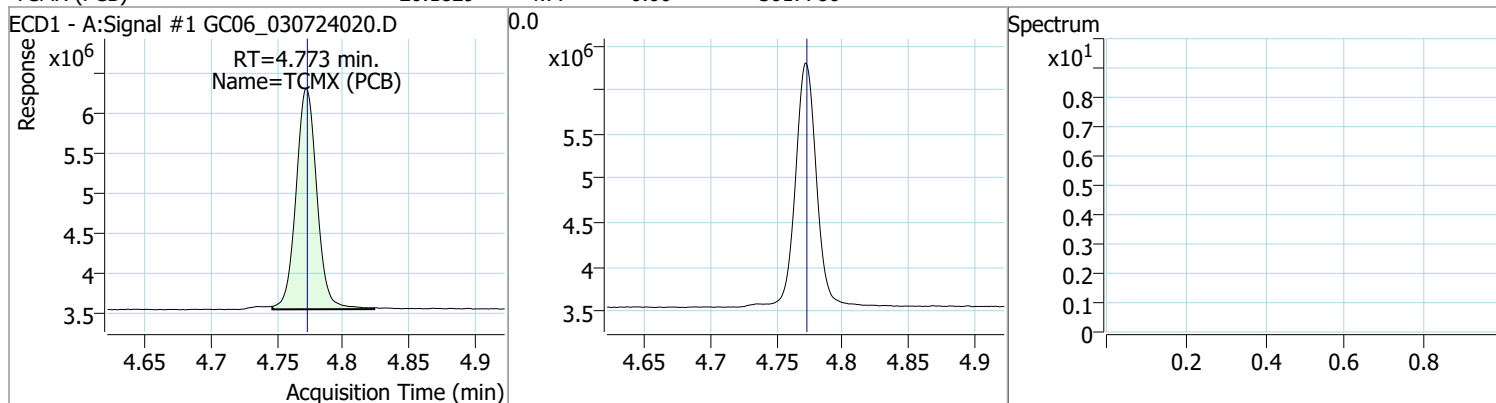
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.123  | 0.0  | 1544786.98<br>0  | 465.2289 | ng/ml   | 100      |
| T AR1016 2    | 5.448  | 0.0  | 3147979.77<br>1  | 490.3393 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.500  | 0.0  | 14000456.0<br>12 | 474.9877 | ng/ml   | 100      |
| T AR1016 3    | 5.884  | 0.0  | 3985575.38<br>5  | 487.5286 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.897  | 0.0  | 29599905.3<br>45 | 493.3459 | ng/ml   | 100      |
| T AR1016 4    | 6.013  | 0.0  | 2394200.33<br>6  | 489.3237 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.390  | 0.0  | 39669207.7<br>54 | 479.4708 | ng/ml m | 100      |
| T AR1016 5    | 6.438  | 0.0  | 2221633.18<br>6  | 495.5715 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.546  | 0.0  | 26385275.9<br>36 | 490.4161 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.153  | 0.0  | 21445453.4<br>71 | 489.4278 | ng/ml   | 100      |
| T AR1260 1    | 8.143  | 0.0  | 4523941.58<br>0  | 478.9489 | ng/ml   | 100      |
| T AR1260 2    | 8.671  | 0.0  | 6929716.02<br>9  | 484.2225 | ng/ml   | 100      |
| T AR1260 3    | 9.194  | 0.0  | 7226663.50<br>2  | 489.3335 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.404  | 0.0  | 39723099.6<br>35 | 458.5701 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.710  | 0.0  | 46716768.2<br>66 | 453.1530 | ng/ml   | 100      |
| T AR1260 4    | 9.734  | 0.0  | 3312529.95<br>2  | 402.1739 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.179 | 0.0  | 59157820.4<br>19 | 490.3891 | ng/ml   | 100      |
| T AR1260 5    | 10.482 | 0.0  | 4608176.82<br>3  | 432.1555 | ng/ml m | 100      |
| T AR1260 4 #2 | 10.624 | 0.0  | 30543341.1<br>00 | 412.8395 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.264 | 0.0  | 39732520.2<br>93 | 421.2711 | ng/ml   | 100      |

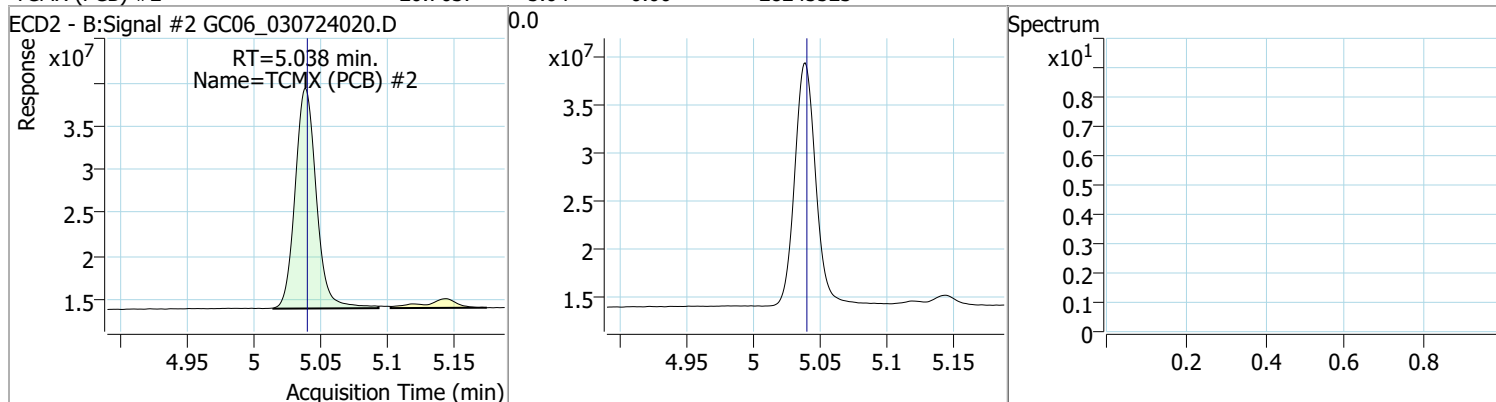
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

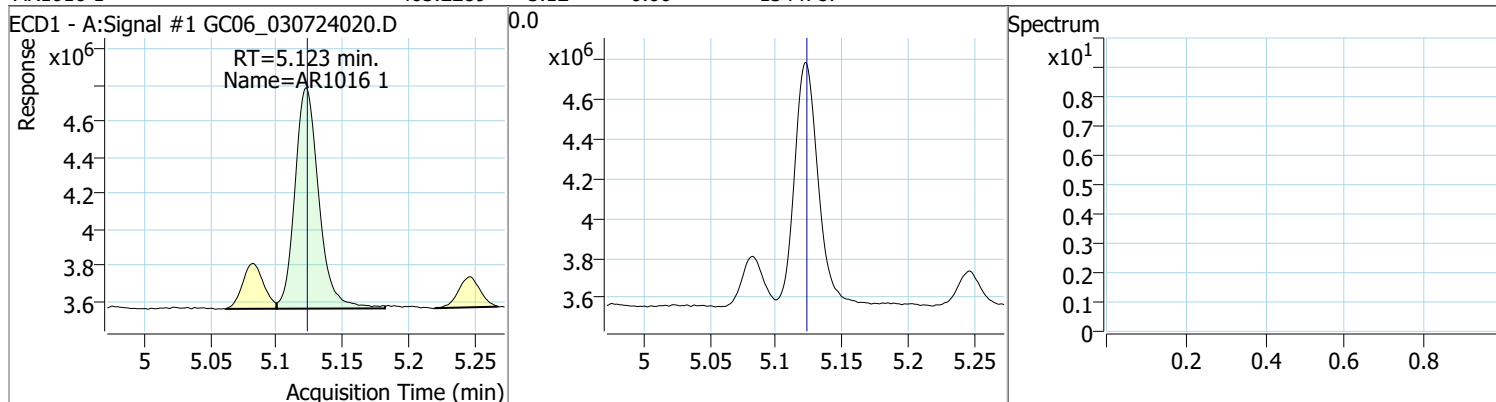
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 20.1829 | 4.77 | 0.00     | 3017780 |      |        |       |       |



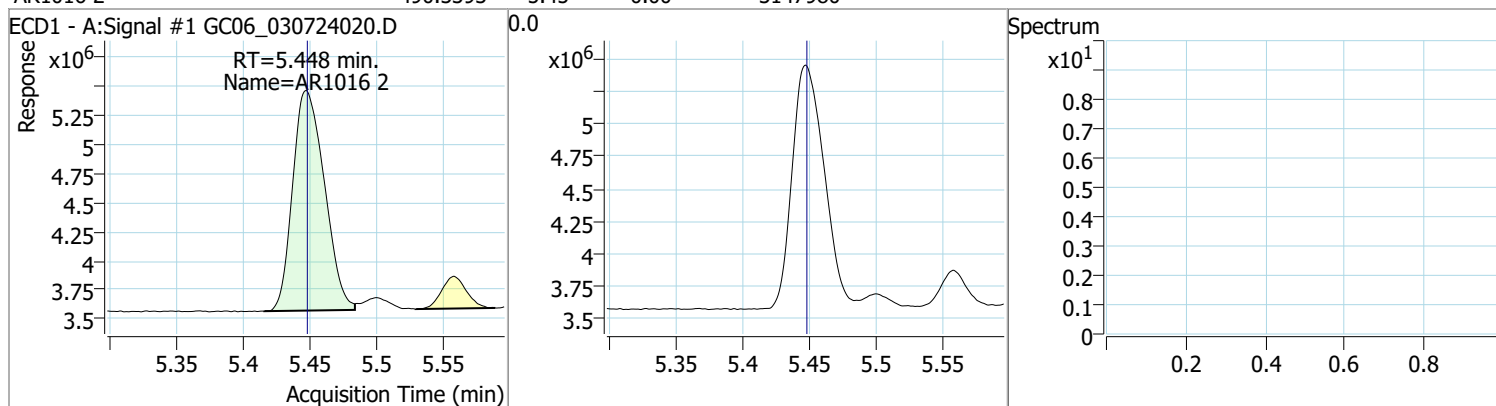
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 20.7037 | 5.04 | 0.00     | 28245523 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 465.2289 | 5.12 | 0.00     | 1544787 |      |        |       |       |

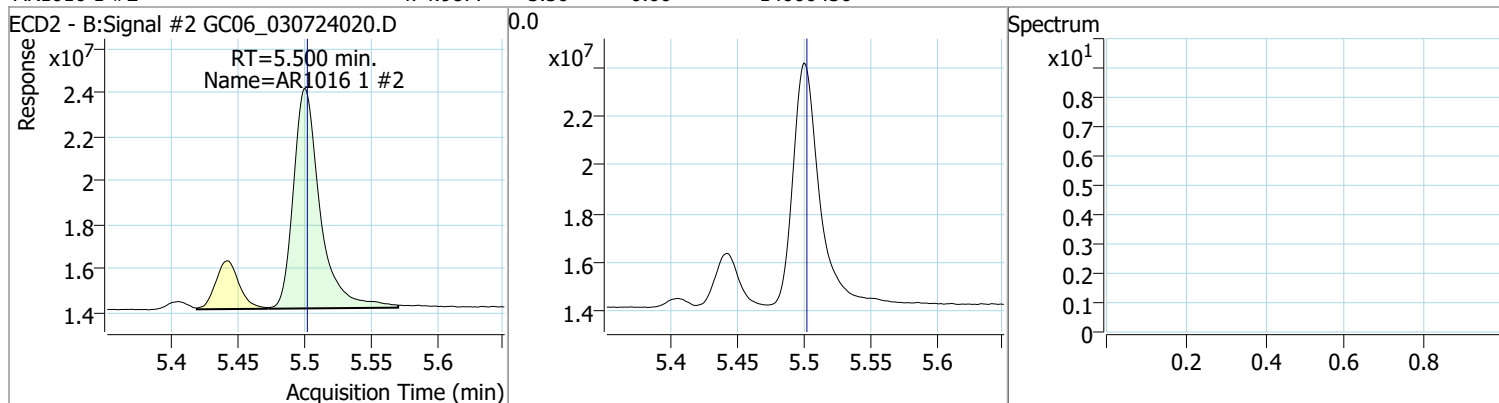


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 490.3393 | 5.45 | 0.00     | 3147980 |      |        |       |       |

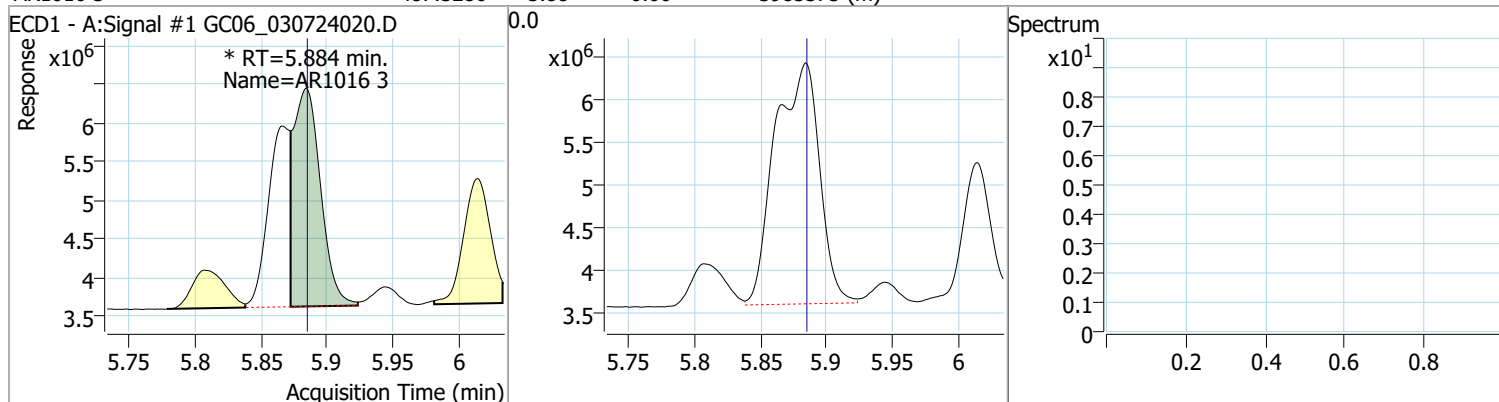


# Quantitation Results Report (Not Reviewed)

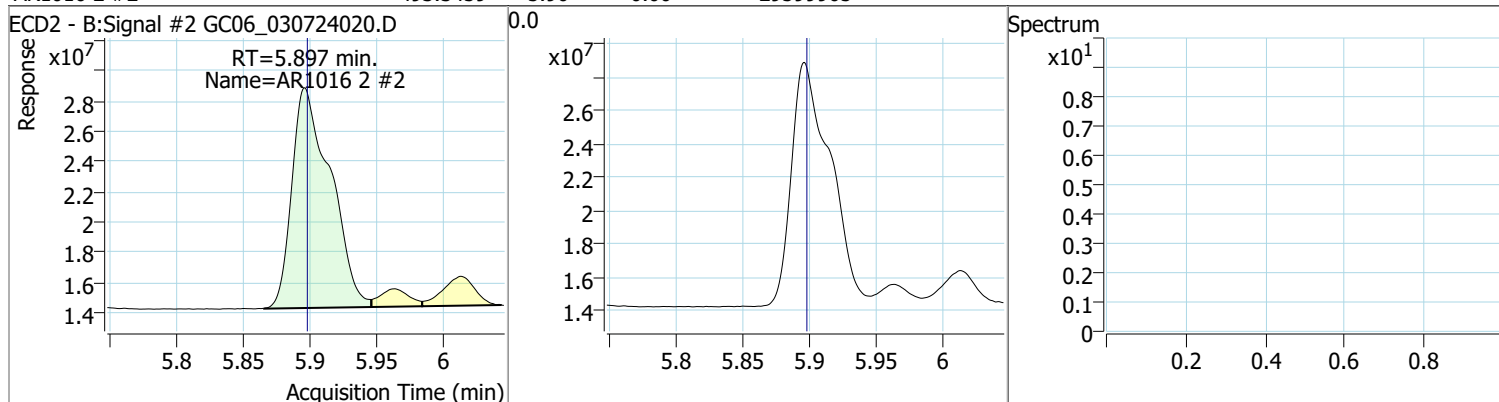
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 474.9877 | 5.50 | 0.00     | 14000456 |      |        |       |       |



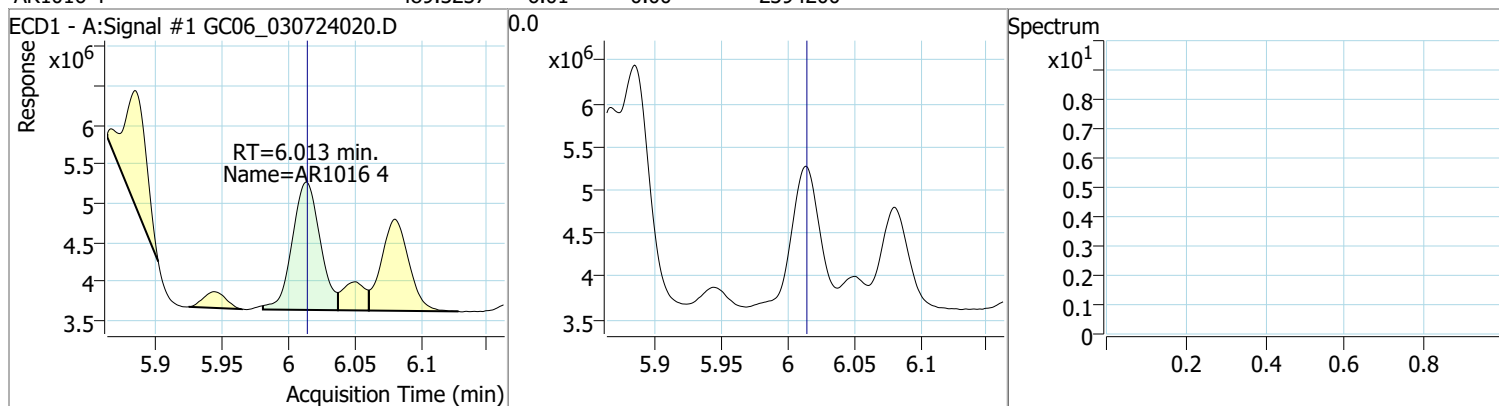
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 487.5286 | 5.88 | 0.00     | 3985575 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 493.3459 | 5.90 | 0.00     | 29599905 |      |        |       |       |

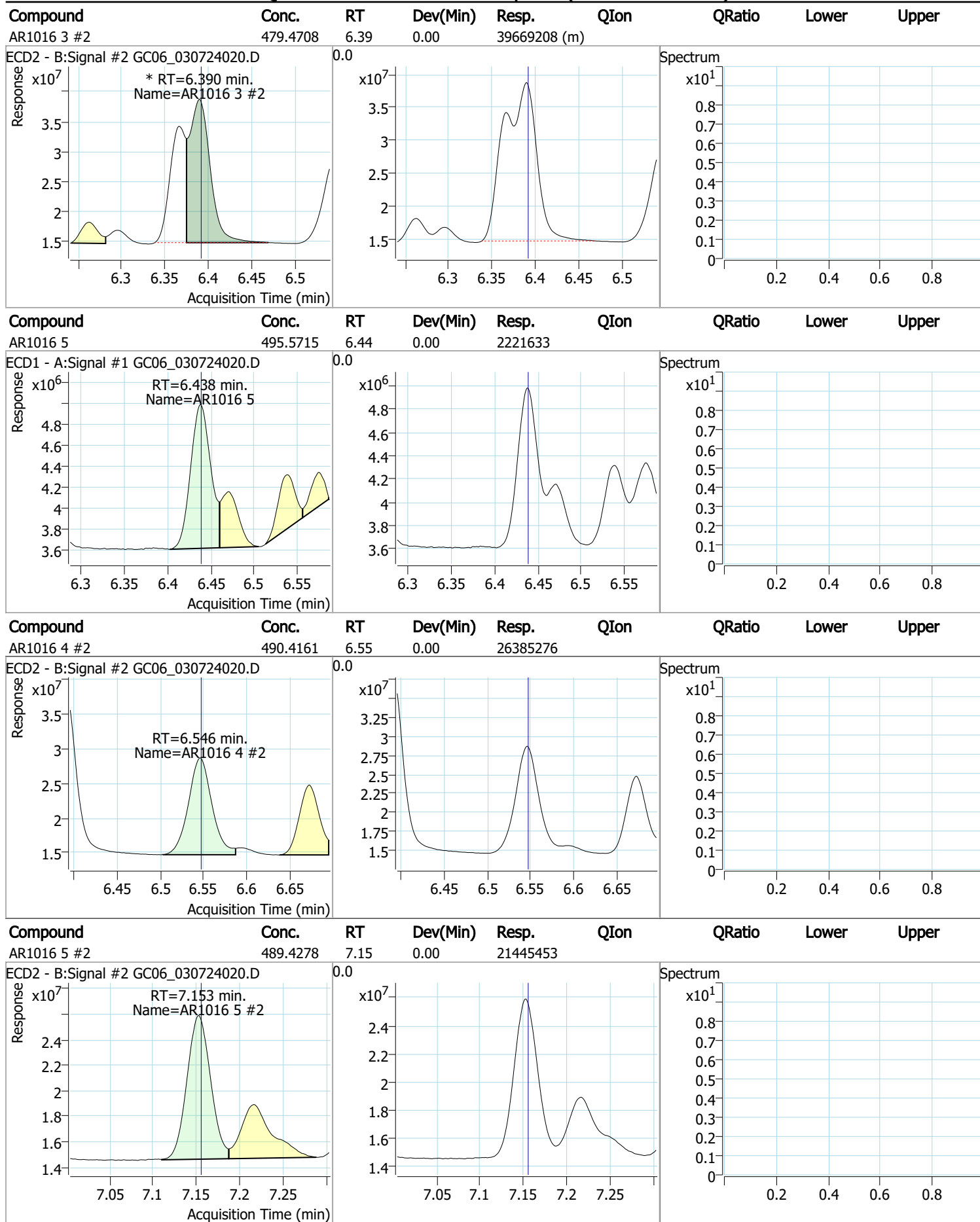


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 489.3237 | 6.01 | 0.00     | 2394200 |      |        |       |       |

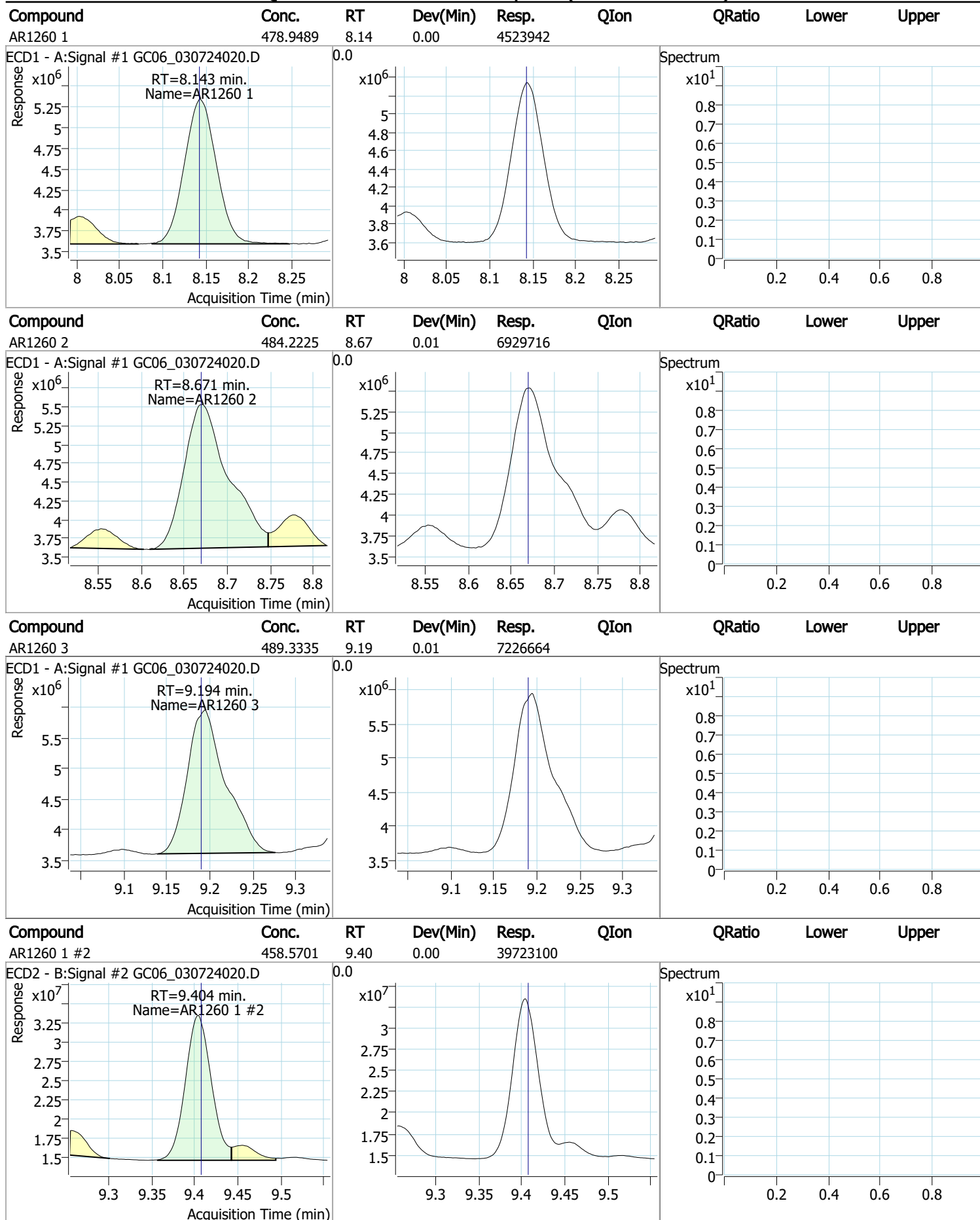




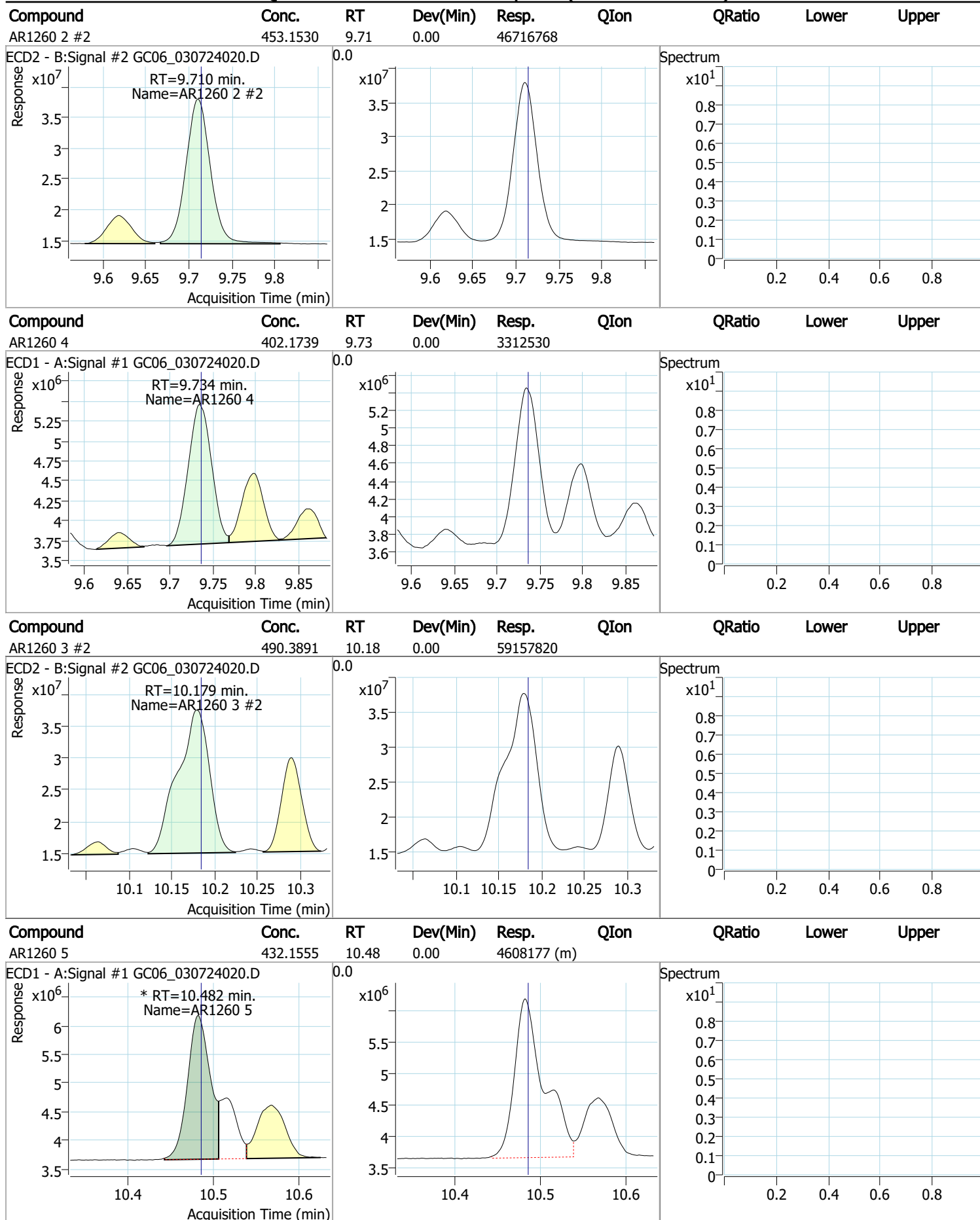
# Quantitation Results Report (Not Reviewed)



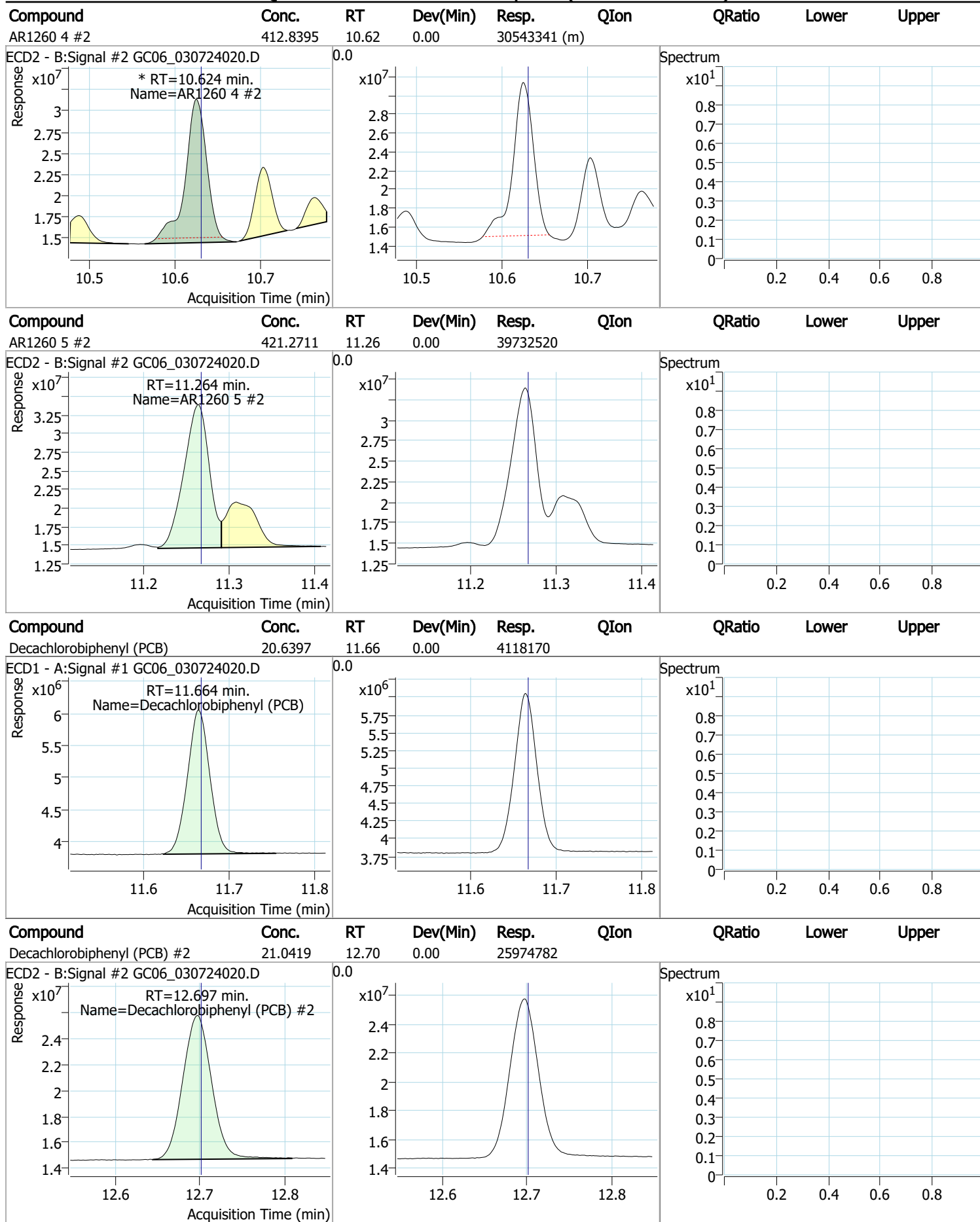
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



### **Continuing Calibration Verification Raw Data**

ENTHALPY CONTINUING CALIBRATION FOR 504073 PCBS Wipe  
EPA 8082

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: SVOA-GC06      | File: gc06_031224004 | IDF: 1.0                |
| Seqnum: 454104162004 | Caldate: 07-MAR-2024 | Time: 12-MAR-2024 08:42 |
| Cal: 454097020001    |                      |                         |

Standards: S20167

| Analyte                  | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D  | Max %D | Min RF | Flags  |
|--------------------------|----|----------------|-----------|--------|-------|-------|-----|--------|--------|--------|
| Aroclor-1016             | A  |                |           | 500.0  | 484.7 | ug/L  | -3  | 15     | 0.0000 |        |
| Aroclor-1260             | A  |                |           | 500.0  | 448.9 | ug/L  | -10 | 15     | 0.0000 |        |
| Decachlorobiphenyl (PCB) | A  | 1.3171         | 0.6617    | 40.00  | 20.10 | ug/L  | -50 | 15     | 0.0000 | c-     |
| TCMX (PCB)               | A  | 0.9870         | 0.4986    | 40.00  | 20.21 | ug/L  | -49 | 15     | 0.0000 | c-     |
| Aroclor-1016             | B  |                |           | 500.0  | 469.1 | ug/L  | -6  | 15     | 0.0000 |        |
| Aroclor-1260             | B  |                |           | 500.0  | 422.1 | ug/L  | -16 | 15     | 0.0000 | c- *** |
| Decachlorobiphenyl (PCB) | B  | 0.8323         | 0.4211    | 40.00  | 20.24 | ug/L  | -49 | 15     | 0.0000 | c-     |
| TCMX (PCB)               | B  | 0.9198         | 0.4669    | 40.00  | 20.31 | ug/L  | -49 | 15     | 0.0000 | c-     |

| ISTD (ICAL gc06_030724011)   | Ch | ICAL Abund | Abund    | %Drift |
|------------------------------|----|------------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 23719403   | 33268546 | 40.26  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2315876    | 3104777  | 34.06  |

03/12/24 : 500 PPB PCB CCV

MES 03/12/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

MES 03/12/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

MES 03/12/24 : Report from channel A

--low bias c=CCV

**Analyst:** MES 03/12/24

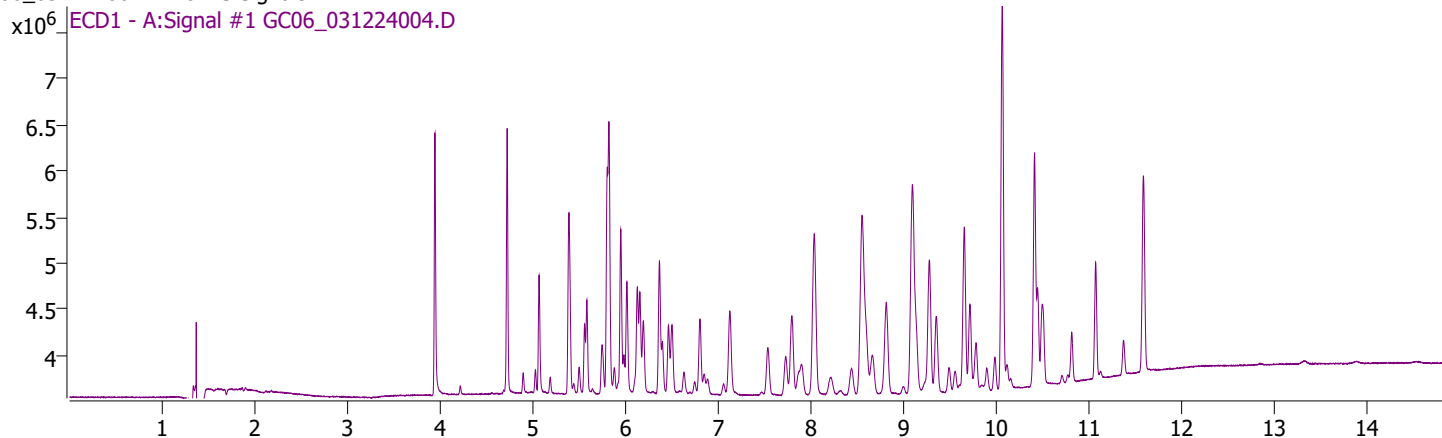
**Reviewer:** MTS 03/12/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                      |
|----------------|-------------------------|-------------------|----------------------|
| Data File      | GC06_031224004.D        | Operator          |                      |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/12/2024 8:42:53 AM |
| Sample Name    | CCV, S20167             | Instrument        | SVOA-GC06            |
| Vial           | 144                     | Multiplier        | 1.00                 |
| DA Method File | PCB_608_030724_GC06_4.m | Comment           | 500 PPB PCB CCV      |
| Tune File      | ATUNE.U                 | Tune Date         |                      |
| Batch Name     | 031224-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM  |
| Ref Library    |                         |                   |                      |

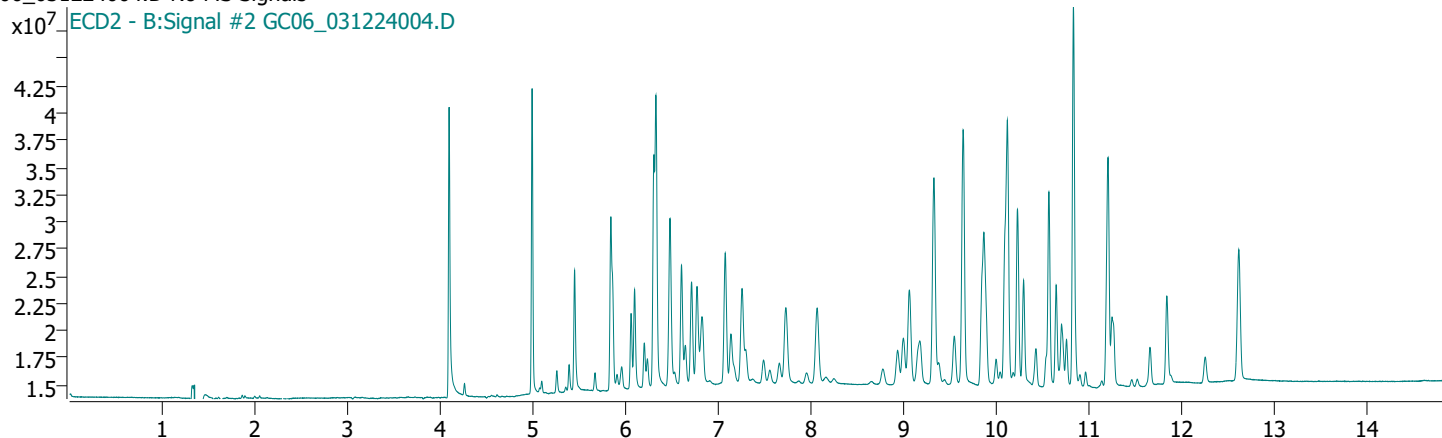
GC06\_031224004.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_031224004.D



GC06\_031224004.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_031224004.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.943                | 0.0  | 3104777.44<br>1  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.096                | 0.0  | 33268546.0<br>04 | 20.0000            | ng/ml | -0.001   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.723                | 0.0  | 3096058.55<br>3  | 20.2063            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 101.03% |       |          |
| S TCMX (PCB) #2                    | 4.992                | 0.0  | 31067702.0<br>60 | 20.3053            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 101.53% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.590               | 0.0  | 4108967.10<br>2  | 20.0961            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 100.48% |       |          |
| S Decachlorobiphenyl (PCB) #2      | 12.620               | 0.0  | 28020938.3<br>84 | 20.2404            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 101.20% |       |          |

## Target Compounds

QValue

# Quantitation Results Report (Not Reviewed)

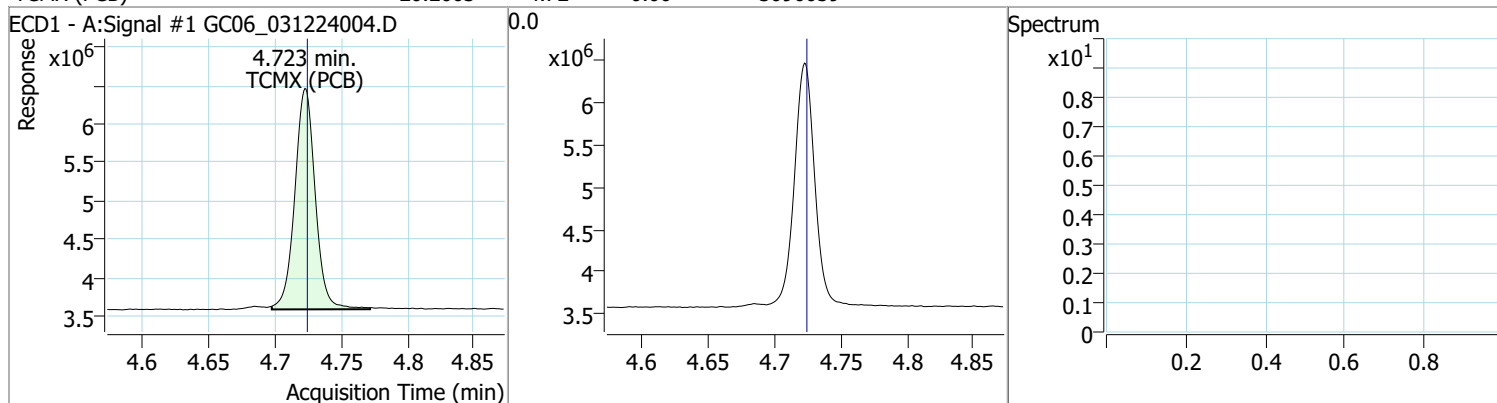
| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.068  | 0.0  | 1573091.31<br>1  | 462.3095 | ng/ml   | 100      |
| T AR1016 2    | 5.390  | 0.0  | 3231253.93<br>6  | 491.1529 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.451  | 0.0  | 15283538.6<br>89 | 462.3455 | ng/ml   | 100      |
| T AR1016 3    | 5.821  | 0.0  | 4156802.34<br>7  | 496.1914 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.842  | 0.0  | 31978563.0<br>40 | 475.2506 | ng/ml   | 100      |
| T AR1016 4    | 5.949  | 0.0  | 2444543.54<br>5  | 487.5446 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.328  | 0.0  | 44098499.1<br>23 | 475.2641 | ng/ml m | 100      |
| T AR1016 5    | 6.367  | 0.0  | 2233289.59<br>3  | 486.1382 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.481  | 0.0  | 28325381.5<br>47 | 469.4414 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.077  | 0.0  | 22769159.9<br>74 | 463.3434 | ng/ml   | 100      |
| T AR1260 1    | 8.038  | 0.0  | 4576776.29<br>0  | 472.8383 | ng/ml   | 100      |
| T AR1260 2    | 8.553  | 0.0  | 6960852.72<br>1  | 474.6492 | ng/ml   | 100      |
| T AR1260 3    | 9.097  | 0.0  | 7372490.32<br>1  | 487.1494 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.329  | 0.0  | 42249240.3<br>08 | 434.8947 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.644  | 0.0  | 47471368.9<br>23 | 410.5881 | ng/ml   | 100      |
| T AR1260 4    | 9.657  | 0.0  | 3361008.45<br>1  | 398.2029 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.122 | 0.0  | 63399391.9<br>17 | 468.6151 | ng/ml   | 100      |
| T AR1260 5    | 10.415 | 0.0  | 4498722.66<br>7  | 411.7001 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.570 | 0.0  | 32780560.1<br>25 | 395.0787 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.208 | 0.0  | 42441874.2<br>17 | 401.2478 | ng/ml   | 100      |

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

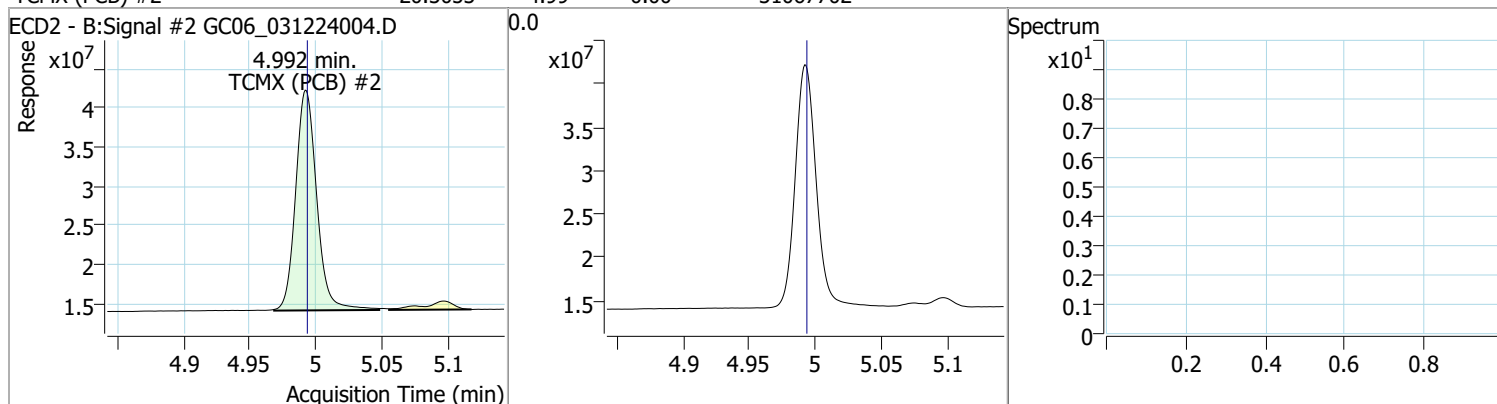


# Quantitation Results Report (Not Reviewed)

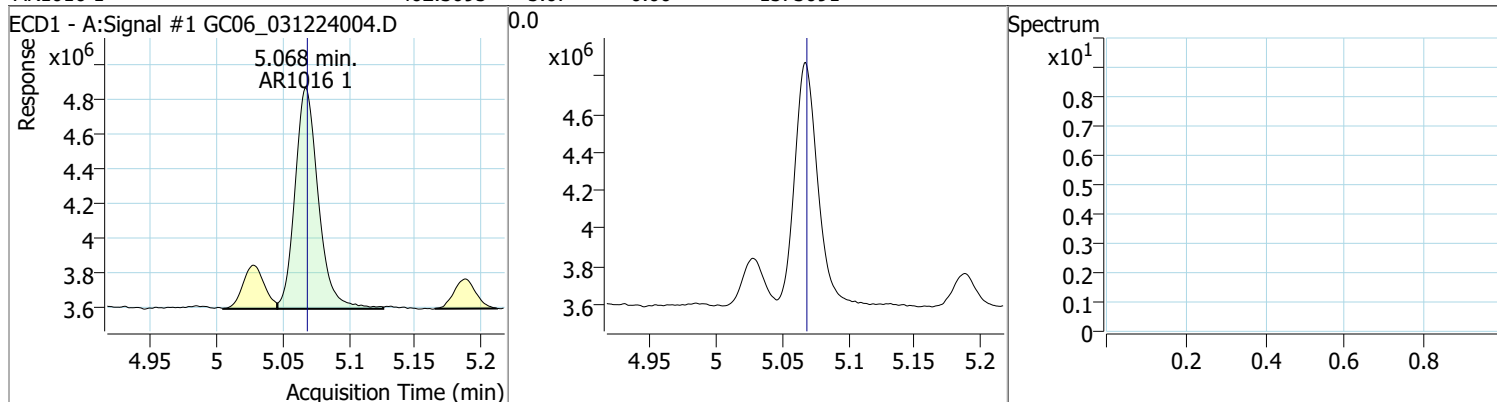
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 20.2063 | 4.72 | 0.00     | 3096059 |      |        |       |       |



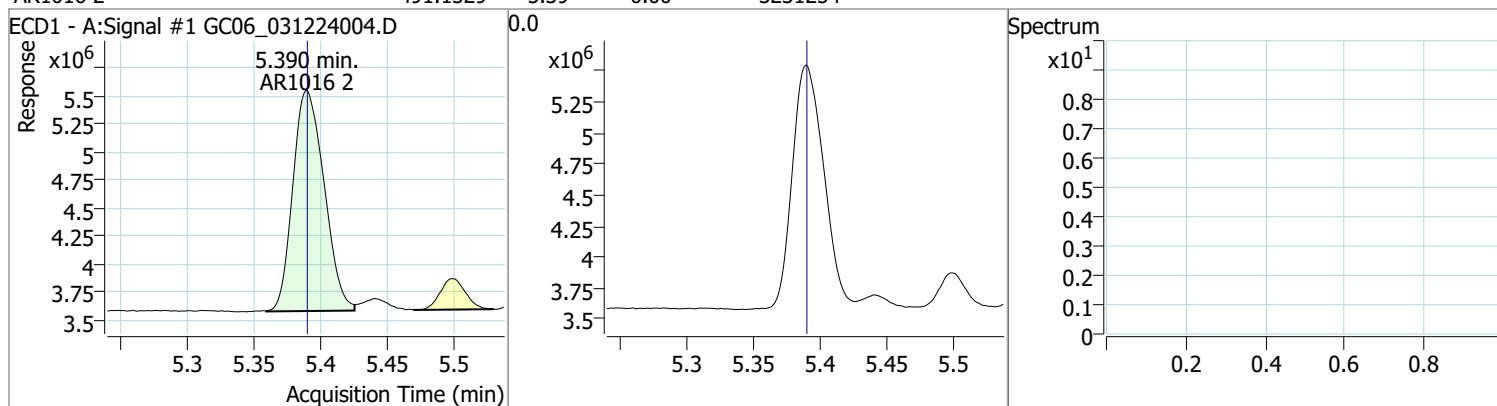
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 20.3053 | 4.99 | 0.00     | 31067702 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 462.3095 | 5.07 | 0.00     | 1573091 |      |        |       |       |

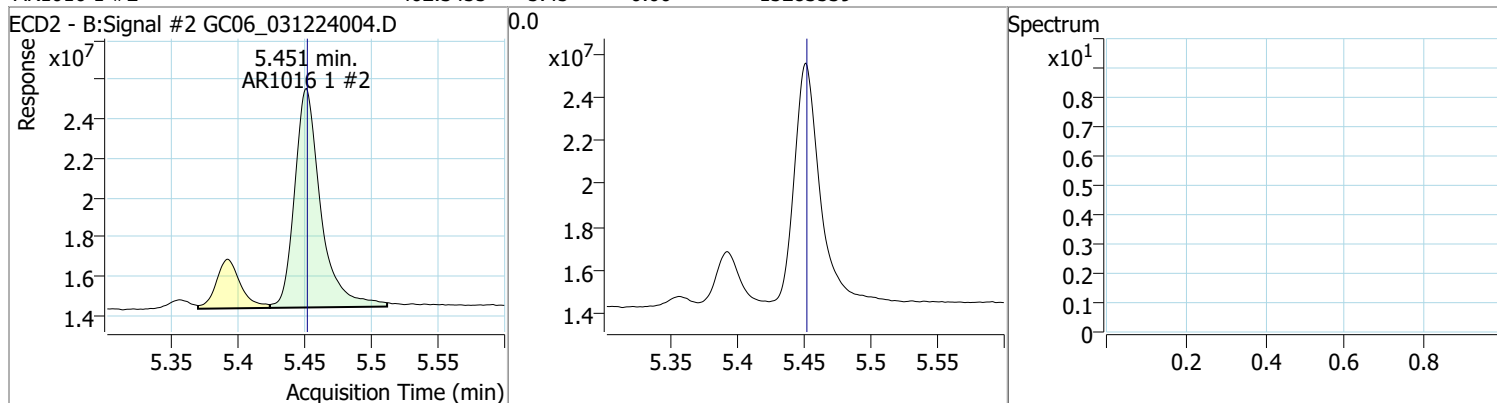


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 491.1529 | 5.39 | 0.00     | 3231254 |      |        |       |       |

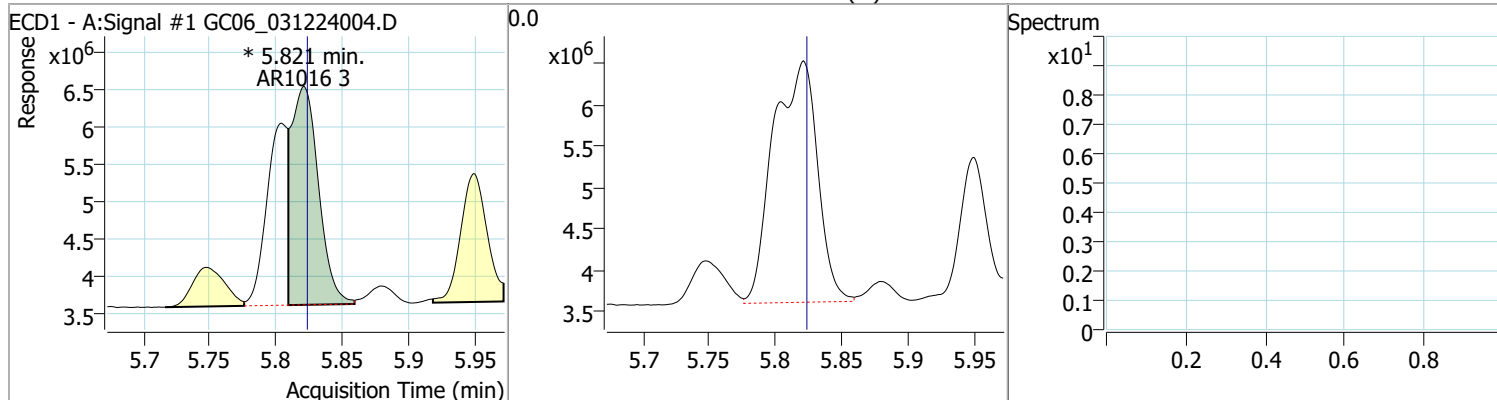


# Quantitation Results Report (Not Reviewed)

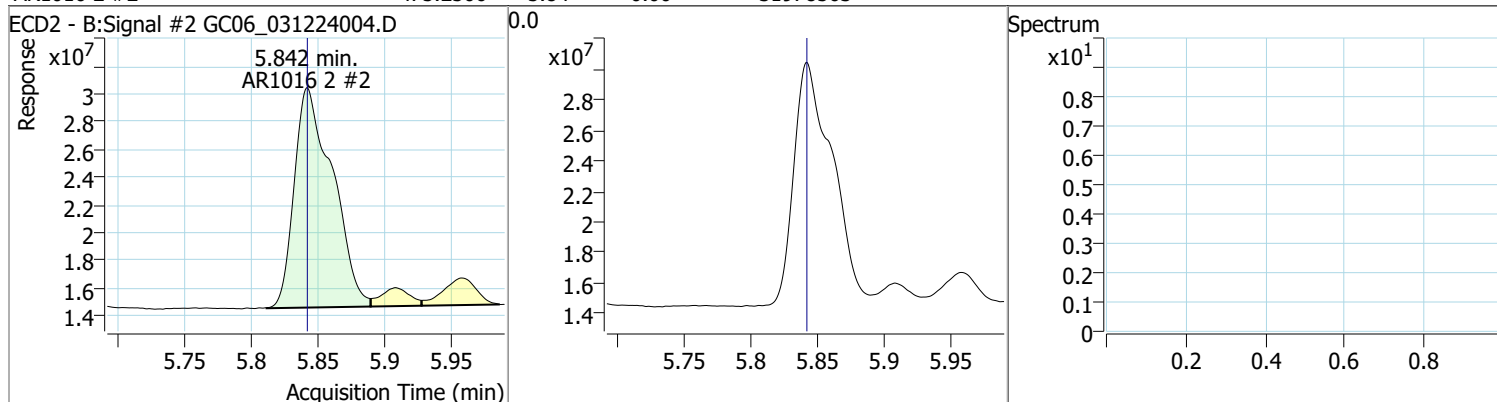
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 462.3455 | 5.45 | 0.00     | 15283539 |      |        |       |       |



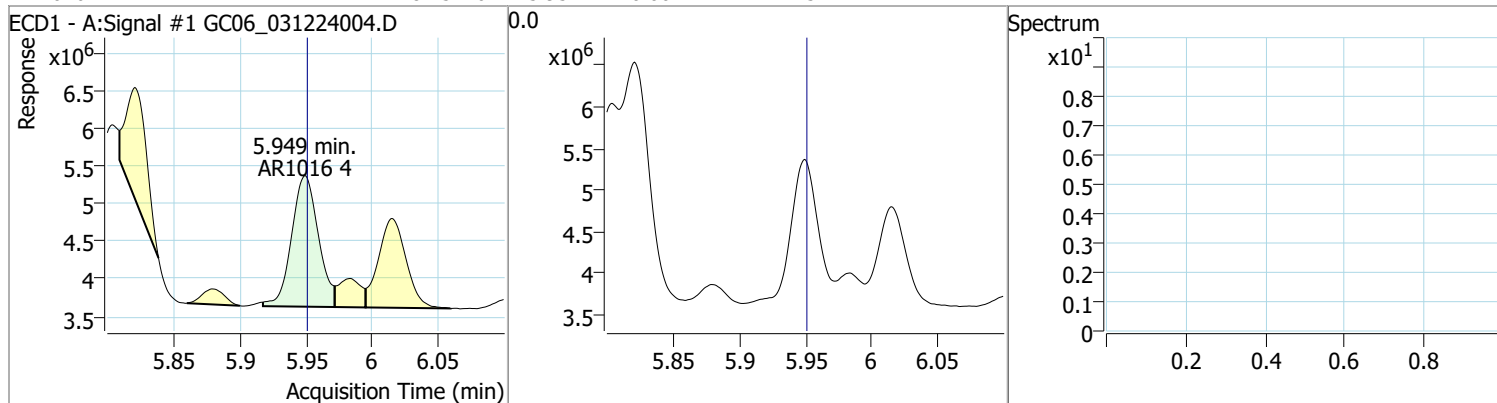
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 496.1914 | 5.82 | 0.00     | 4156802 (m) |      |        |       |       |



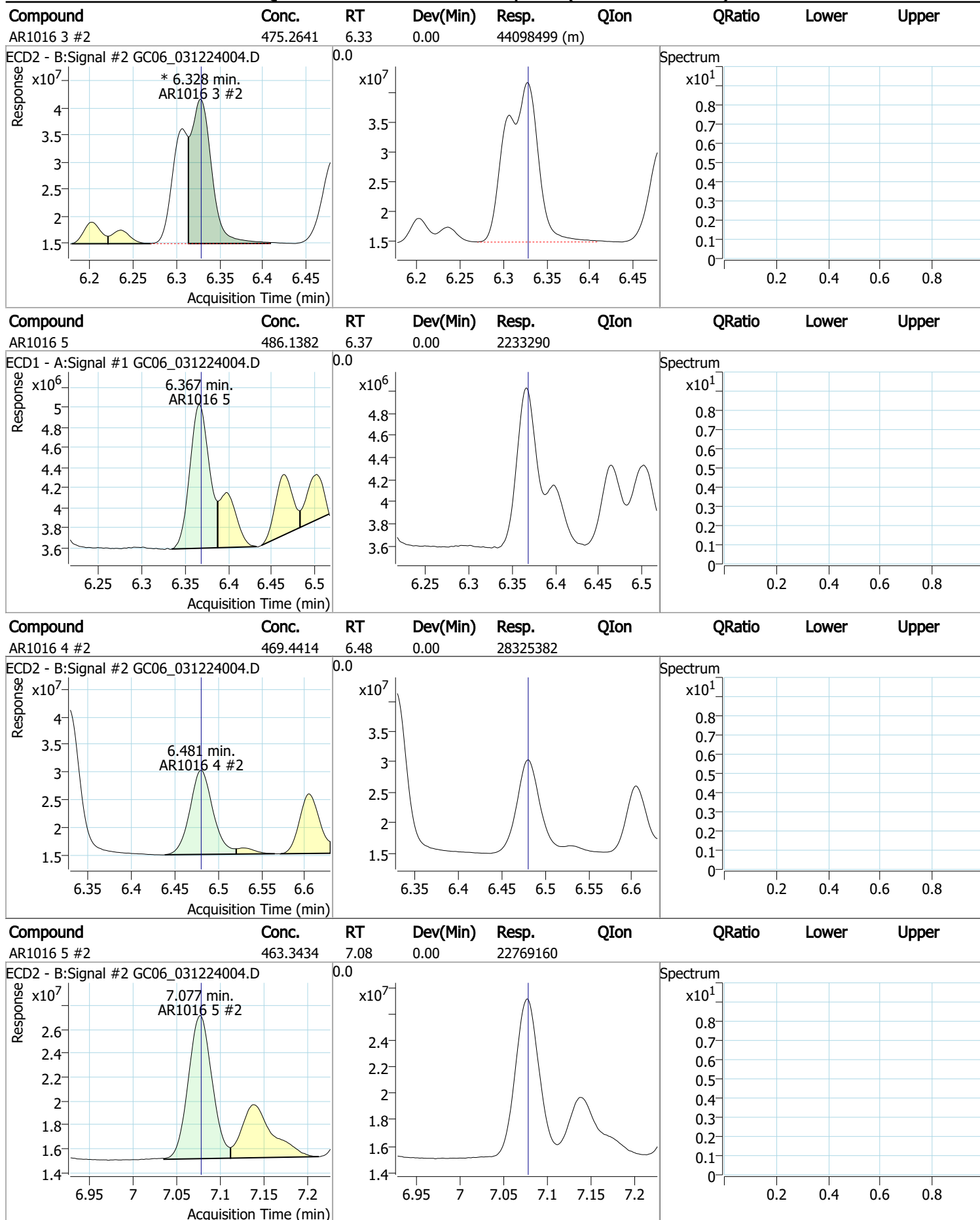
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 475.2506 | 5.84 | 0.00     | 31978563 |      |        |       |       |



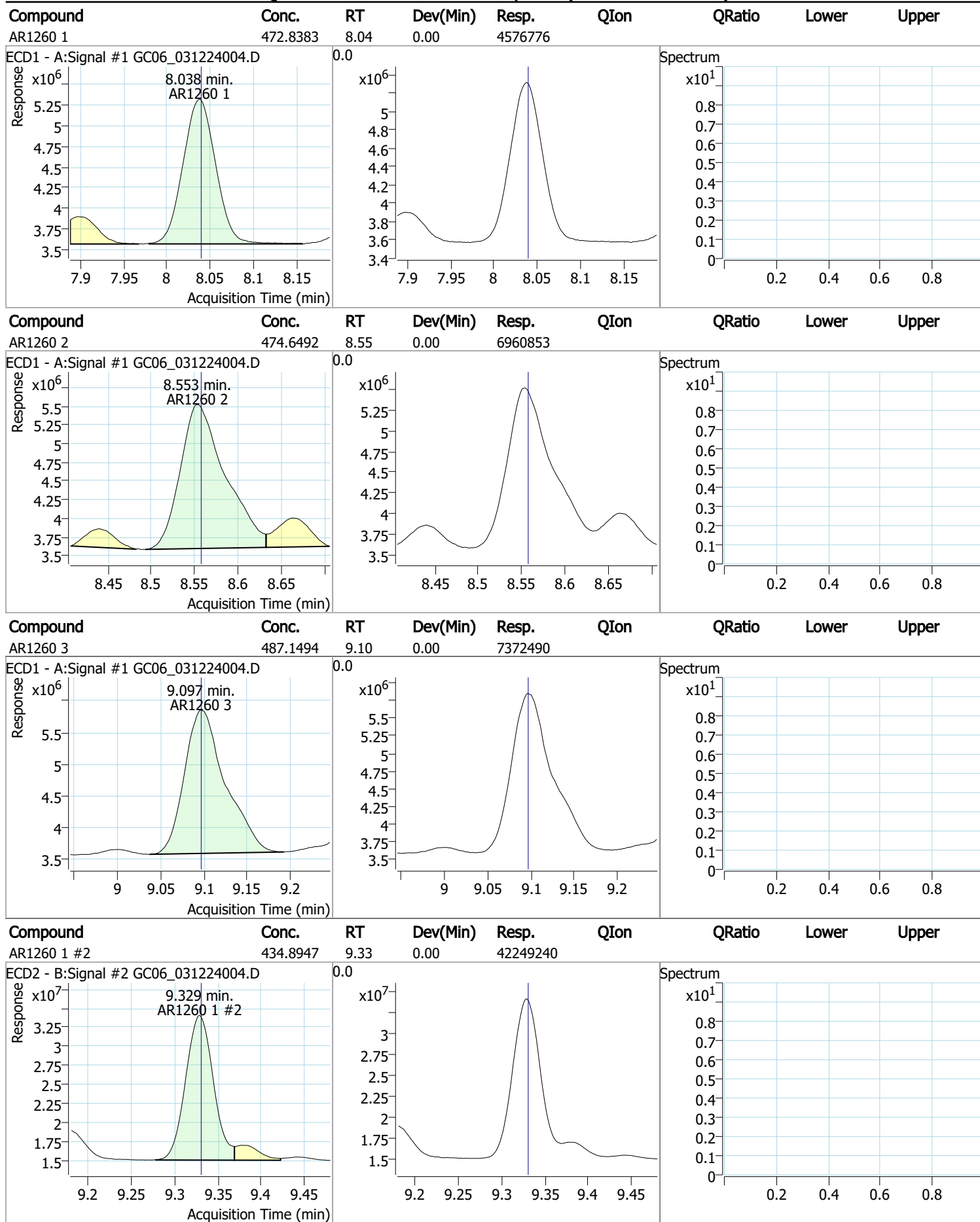
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 487.5446 | 5.95 | 0.00     | 2444544 |      |        |       |       |



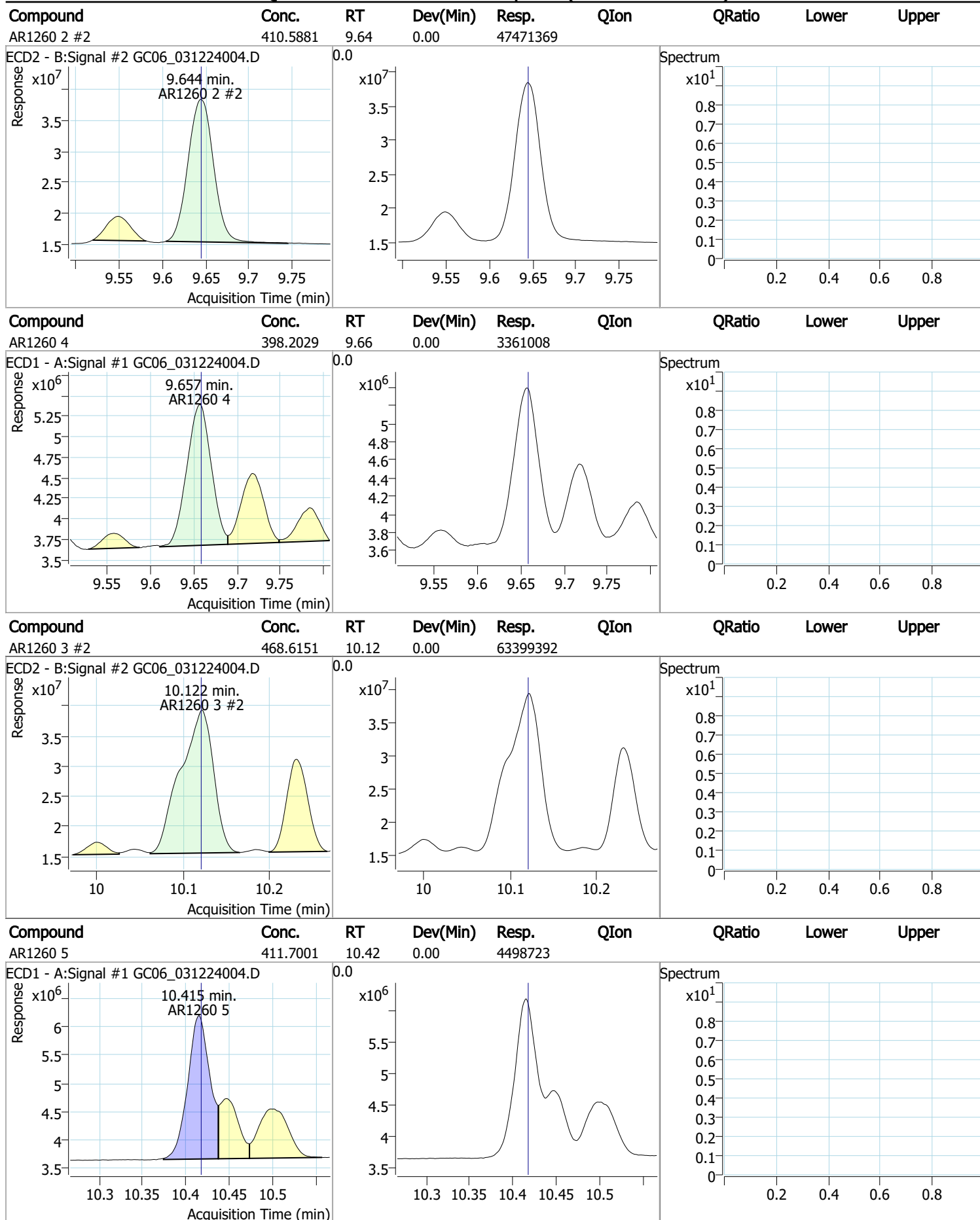
# Quantitation Results Report (Not Reviewed)



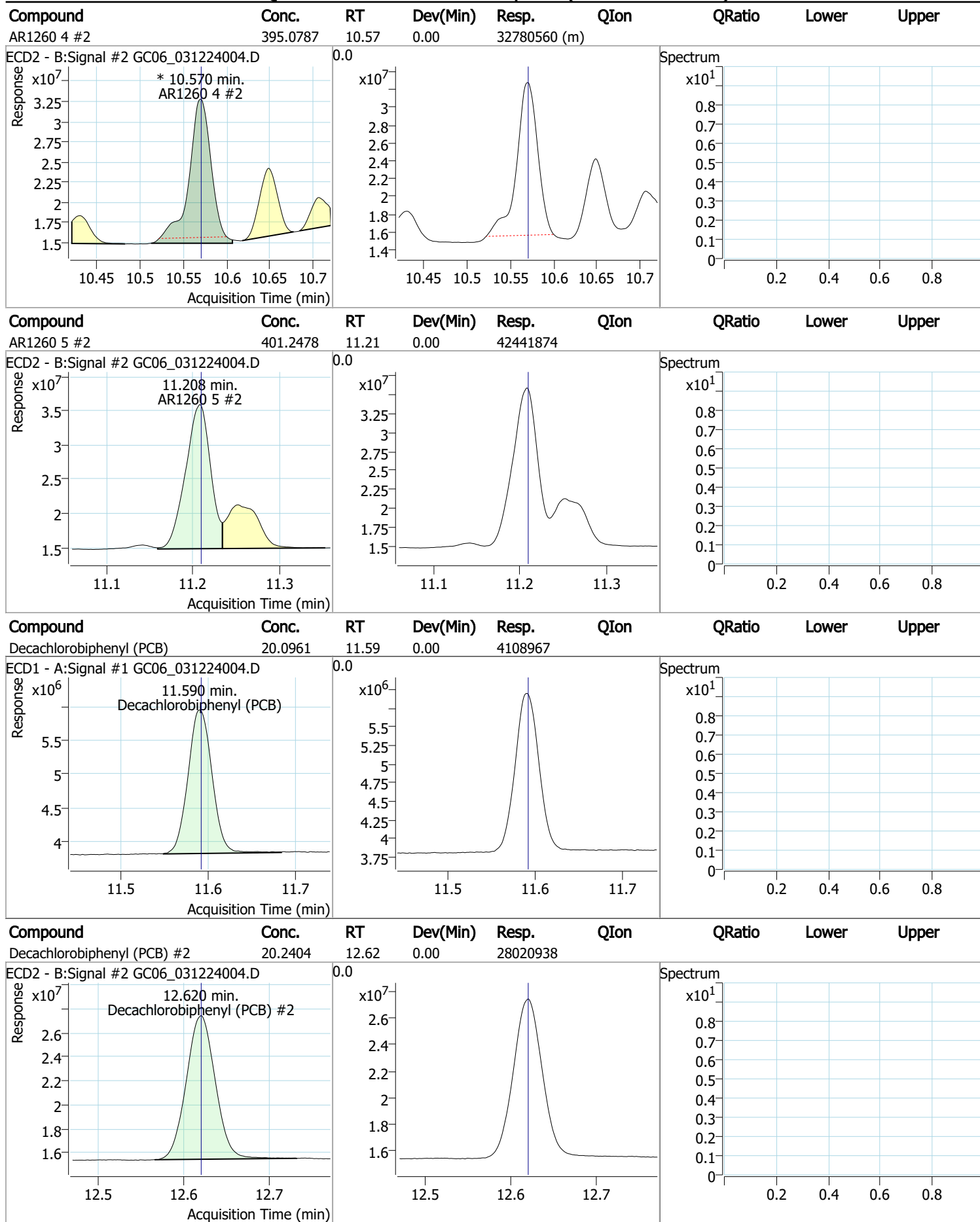
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY CONTINUING CALIBRATION FOR 504073 PCBS Wipe  
EPA 8082

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: SVOA-GC06      | File: gc06_031324009 | IDF: 1.0                |
| Seqnum: 454105680009 | Caldate: 07-MAR-2024 | Time: 13-MAR-2024 11:40 |
| Cal: 454097020001    |                      |                         |

Standards: S20216

| Analyte                  | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|--------------------------|----|----------------|-----------|--------|-------|-------|----|--------|--------|-------|
| Aroclor-1016             | A  |                |           | 500.0  | 496.4 | ug/L  | -1 | 15     | 0.0000 |       |
| Aroclor-1260             | A  |                |           | 500.0  | 535.4 | ug/L  | 7  | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | A  | 1.3171         | 1.4475    | 40.00  | 43.96 | ug/L  | 10 | 15     | 0.0000 |       |
| TCMX (PCB)               | A  | 0.9870         | 0.9552    | 40.00  | 38.71 | ug/L  | -3 | 15     | 0.0000 |       |
| Aroclor-1016             | B  |                |           | 500.0  | 481.5 | ug/L  | -4 | 15     | 0.0000 |       |
| Aroclor-1260             | B  |                |           | 500.0  | 508.3 | ug/L  | 2  | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | B  | 0.8323         | 0.9352    | 40.00  | 44.95 | ug/L  | 12 | 15     | 0.0000 |       |
| TCMX (PCB)               | B  | 0.9198         | 0.8610    | 40.00  | 37.44 | ug/L  | -6 | 15     | 0.0000 |       |

| ISTD (ICAL gc06_030724011)   | Ch | ICAL Abund | Abund    | %Drift |
|------------------------------|----|------------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 23719403   | 22925252 | -3.35  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2315876    | 2080071  | -10.18 |

03/13/24 : 500 PPB PCB CCV

MES 03/13/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for all channels.

**Analyst:** MES 03/13/24

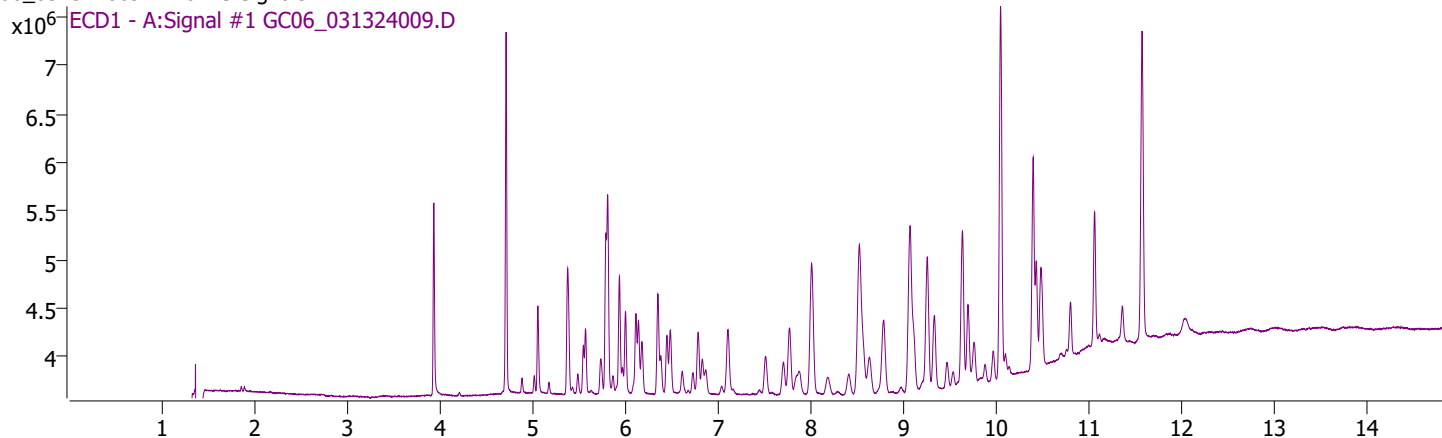
**Reviewer:** LW 03/13/24

# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_031324009.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/13/2024 11:40:47 AM |
| Sample Name    | CCV, S120216            | Instrument        | SVOA-GC06             |
| Vial           | 102                     | Multiplier        | 1.00                  |
| DA Method File | PCB_608_030724_GC06_5.m | Comment           | 500 PPB PCB CCV       |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 031324-PCB.batch.bin    | Last Calib Update | 3/7/2024 8:31:22 PM   |
| Ref Library    |                         |                   |                       |

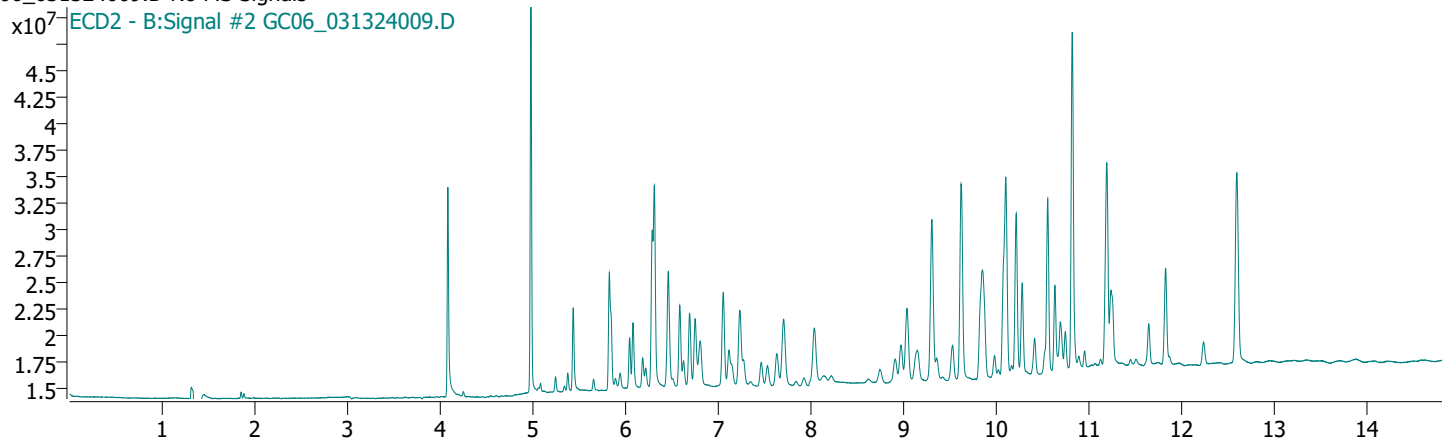
GC06\_031324009.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_031324009.D



GC06\_031324009.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_031324009.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.930                | 0.0  | 2080071.33<br>8  | 20.0000            | ng/ml | 0.002    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.082                | 0.0  | 22925252.0<br>28 | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.710                | 0.0  | 3973935.47<br>3  | 38.7125            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 193.56% | *     |          |
| S TCMX (PCB) #2                    | 4.978                | 0.0  | 39478638.8<br>10 | 37.4440            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 187.22% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.573               | 0.0  | 6021642.68<br>9  | 43.9590            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 219.79% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.596               | 0.0  | 42881041.2<br>40 | 44.9491            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 224.75% | *     |          |

## Target Compounds

QValue



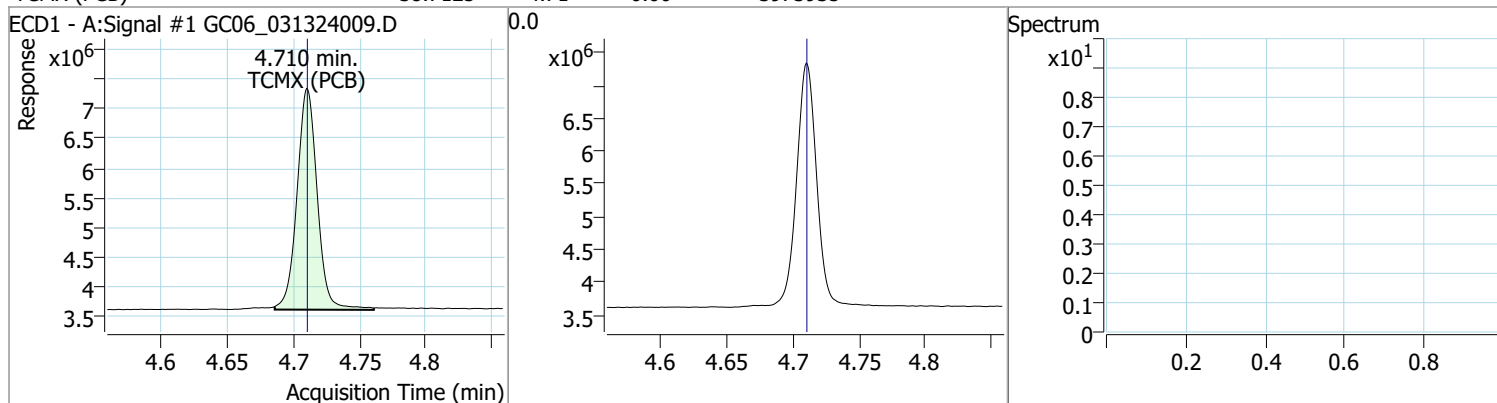
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 5.053  | 0.0  | 1102343.62<br>1  | 483.5575 | ng/ml   | 100      |
| T AR1016 2    | 5.375  | 0.0  | 2153689.50<br>5  | 488.6309 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.434  | 0.0  | 10648998.6<br>81 | 467.4888 | ng/ml   | 100      |
| T AR1016 3    | 5.806  | 0.0  | 2784231.65<br>9  | 496.0751 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.824  | 0.0  | 21881234.2<br>00 | 471.9057 | ng/ml   | 100      |
| T AR1016 4    | 5.933  | 0.0  | 1673282.80<br>5  | 498.1248 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.309  | 0.0  | 30649317.7<br>99 | 479.3489 | ng/ml m | 100      |
| T AR1016 5    | 6.348  | 0.0  | 1586304.08<br>3  | 515.4107 | ng/ml   | 100      |
| T AR1016 4 #2 | 6.460  | 0.0  | 20711227.1<br>70 | 498.1168 | ng/ml   | 100      |
| T AR1016 5 #2 | 7.054  | 0.0  | 16614673.4<br>48 | 490.6451 | ng/ml   | 100      |
| T AR1260 1    | 8.007  | 0.0  | 3466003.21<br>5  | 534.4834 | ng/ml   | 100      |
| T AR1260 2    | 8.523  | 0.0  | 5230509.62<br>8  | 532.3614 | ng/ml   | 100      |
| T AR1260 3    | 9.070  | 0.0  | 5482646.24<br>6  | 540.7424 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.305  | 0.0  | 33073990.1<br>94 | 494.0506 | ng/ml   | 100      |
| T AR1260 2 #2 | 9.620  | 0.0  | 39284087.1<br>78 | 493.0728 | ng/ml   | 100      |
| T AR1260 4    | 9.634  | 0.0  | 3072008.31<br>7  | 543.2622 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.102 | 0.0  | 47945906.2<br>22 | 514.2833 | ng/ml   | 100      |
| T AR1260 5    | 10.398 | 0.0  | 3851821.84<br>2  | 526.1507 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.555 | 0.0  | 28944121.2<br>47 | 506.2294 | ng/ml   | 100      |
| T AR1260 5 #2 | 11.192 | 0.0  | 38906541.8<br>00 | 533.7777 | ng/ml   | 100      |

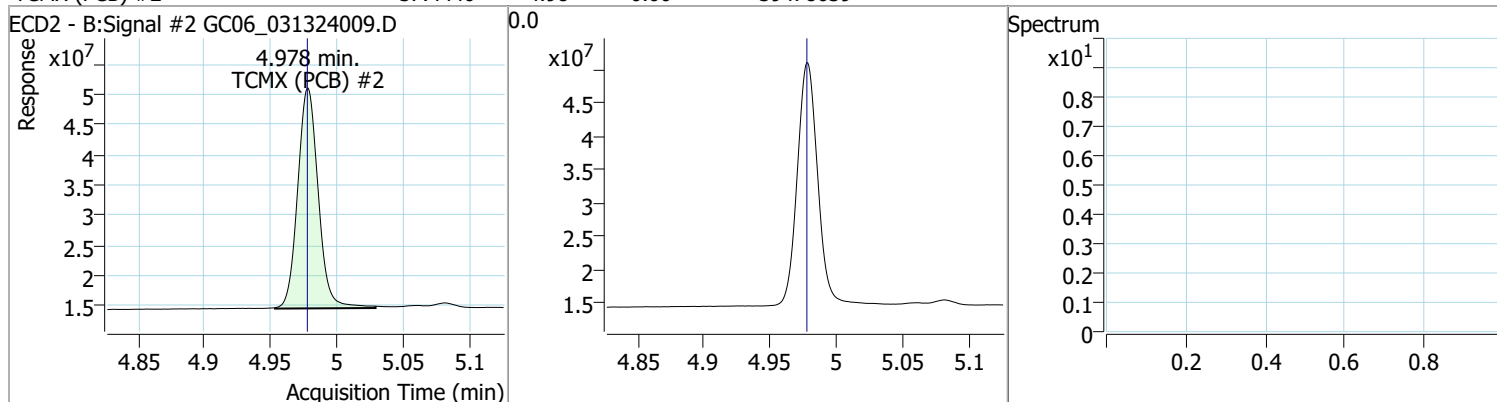
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

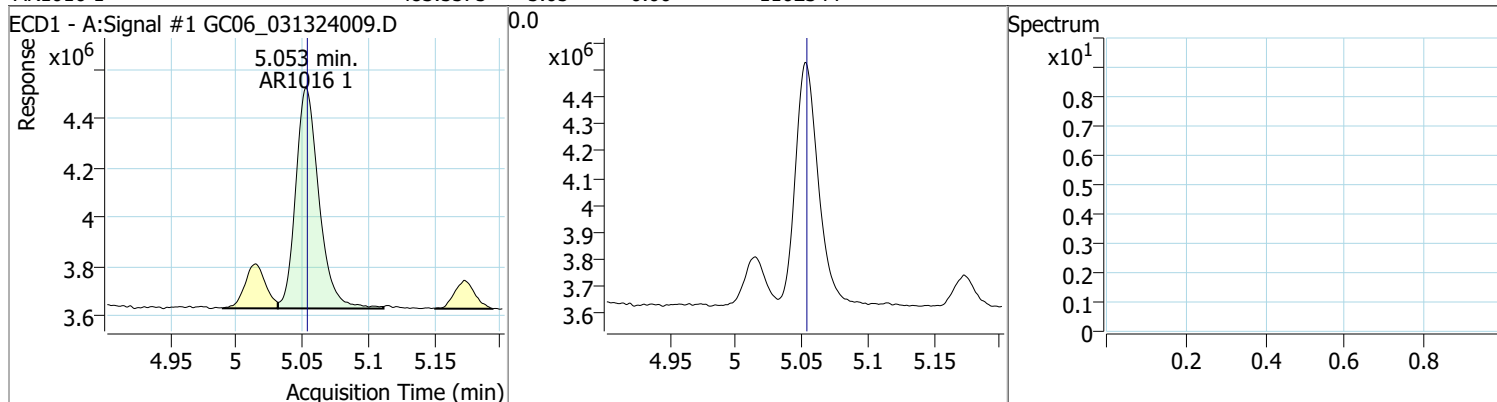
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 38.7125 | 4.71 | 0.00     | 3973935 |      |        |       |       |



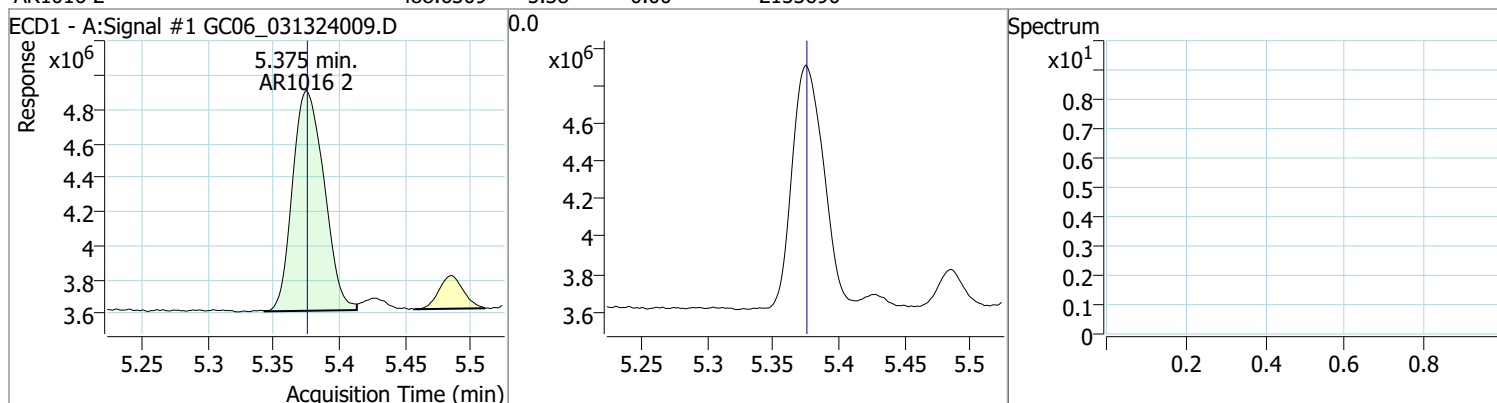
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 37.4440 | 4.98 | 0.00     | 39478639 |      |        |       |       |



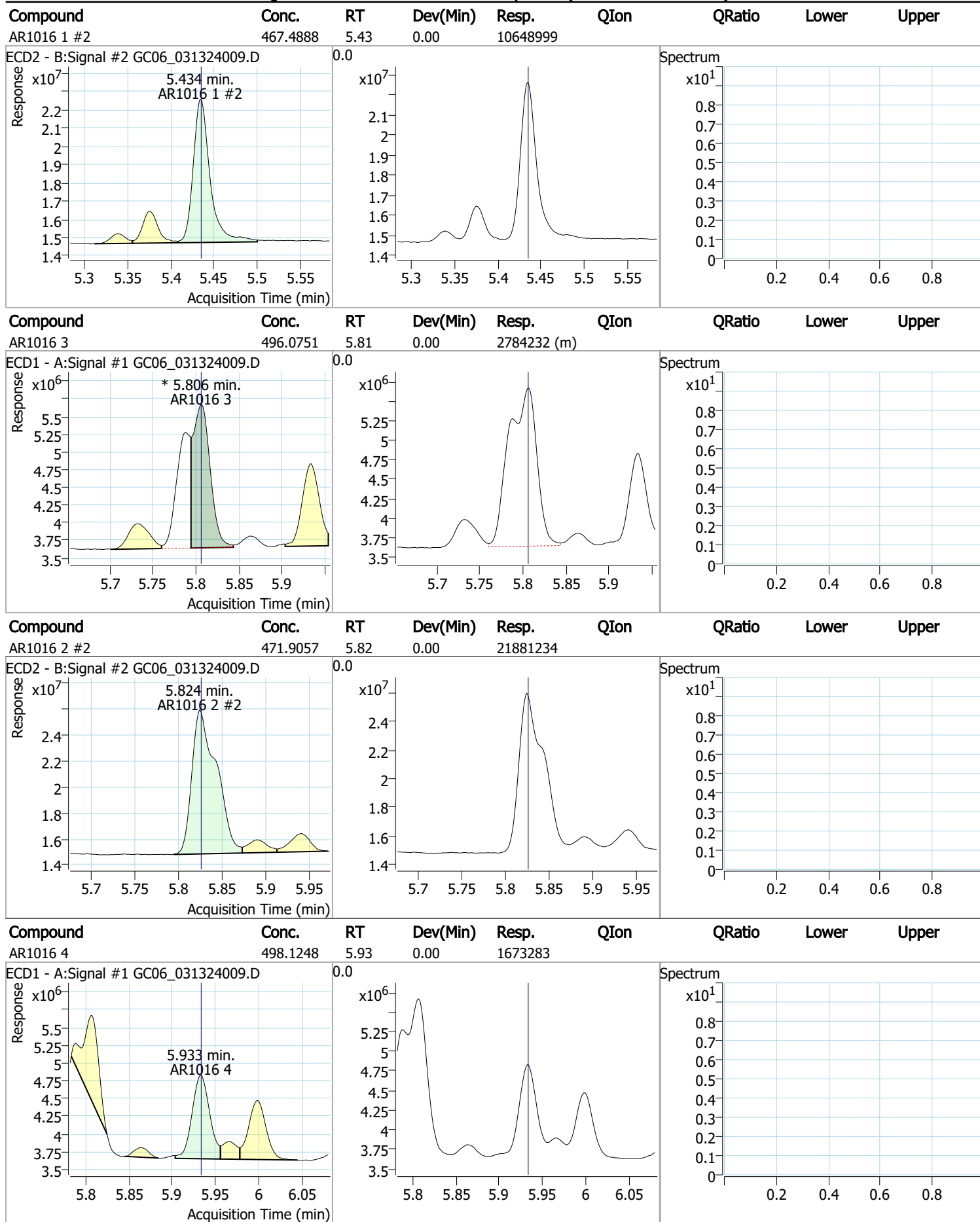
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 483.5575 | 5.05 | 0.00     | 1102344 |      |        |       |       |



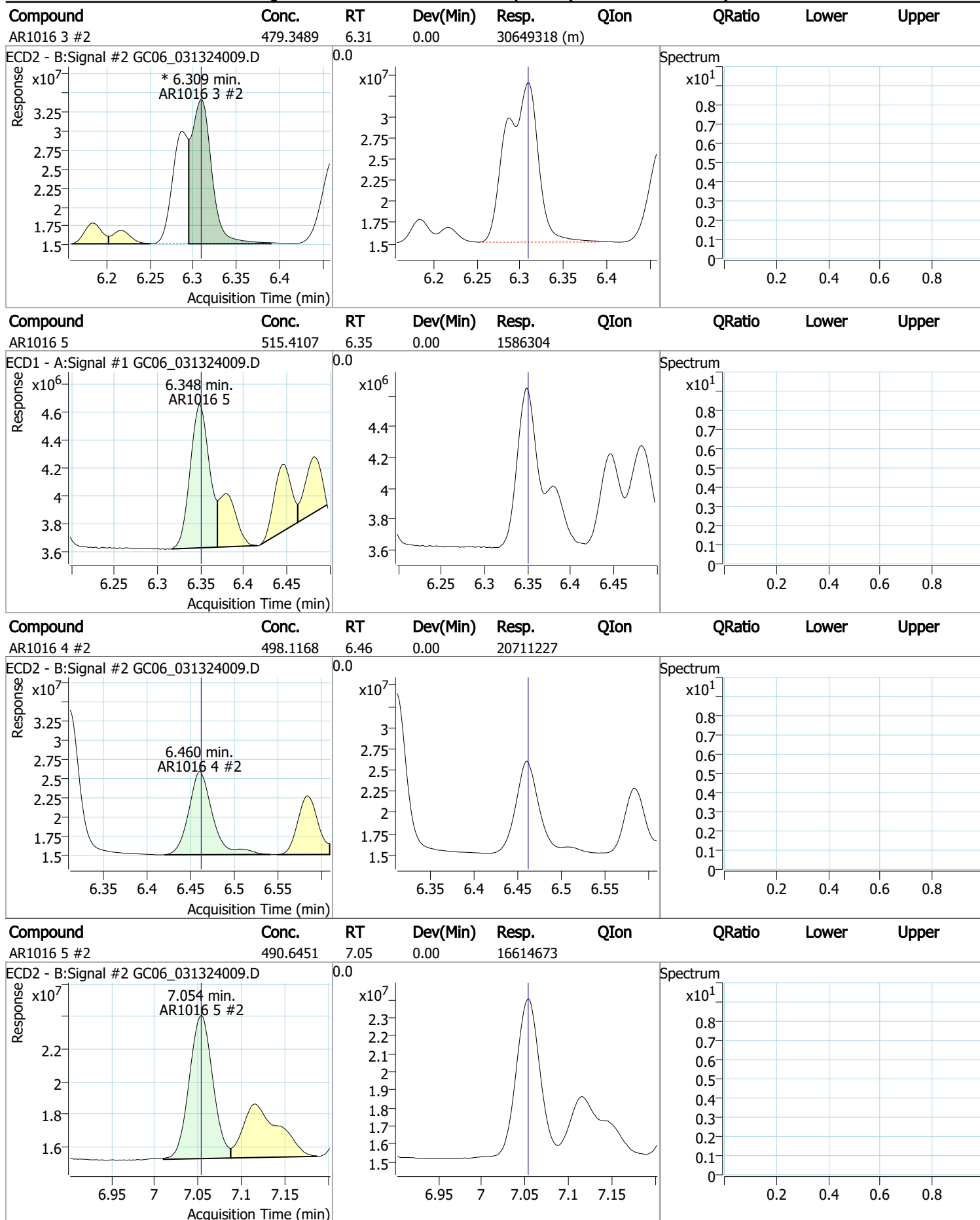
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 488.6309 | 5.38 | 0.00     | 2153690 |      |        |       |       |



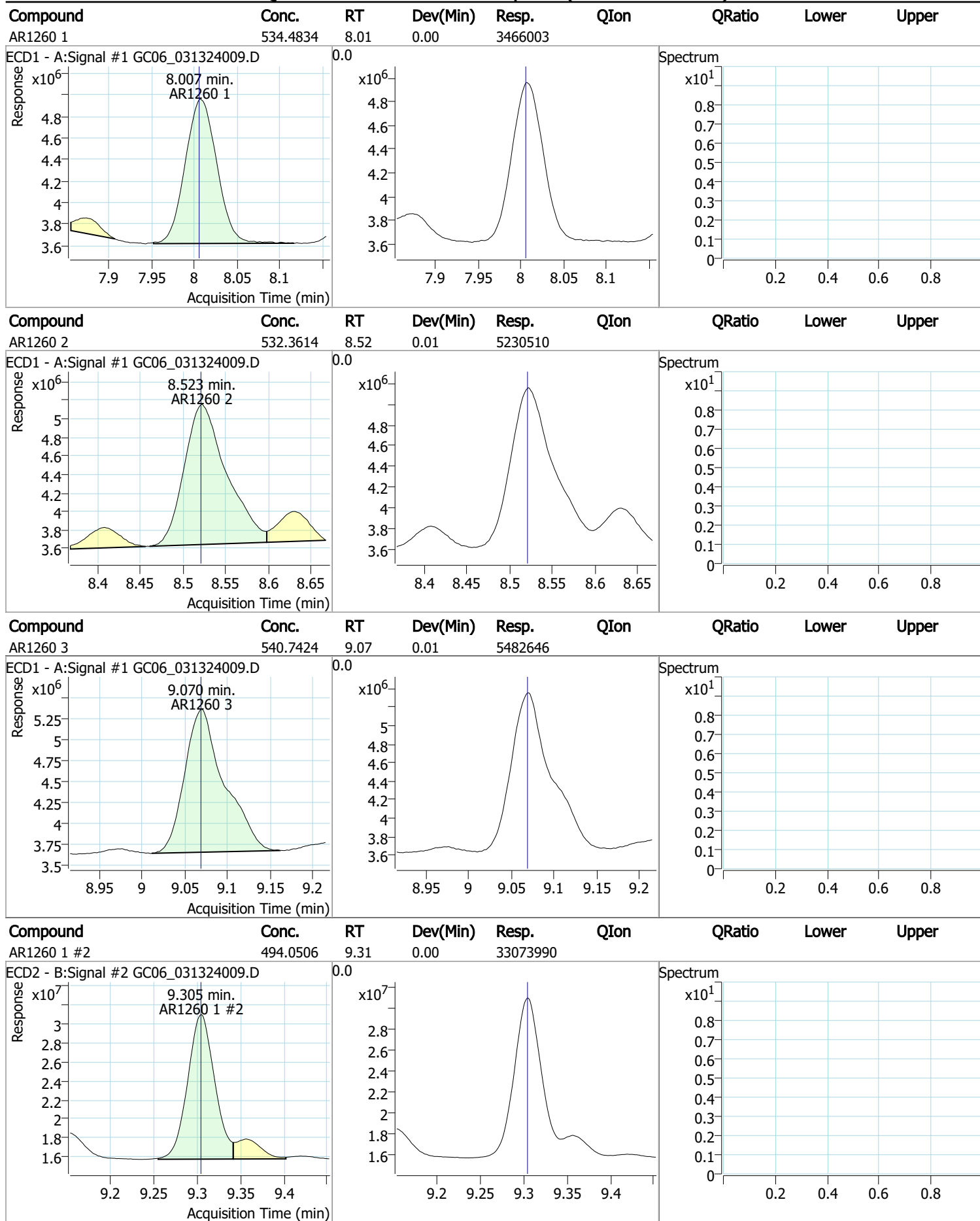
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

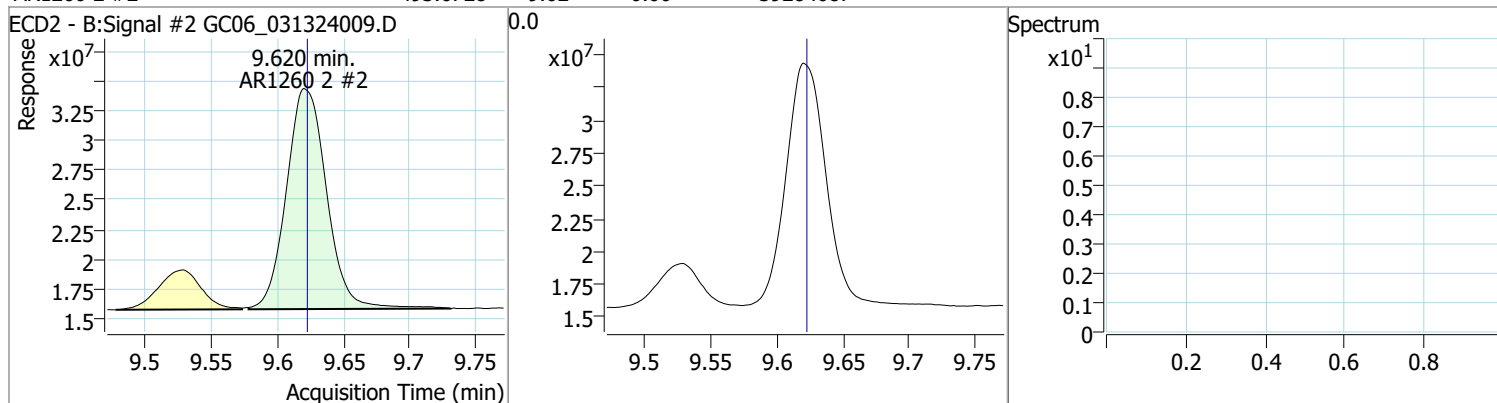


# Quantitation Results Report (Not Reviewed)

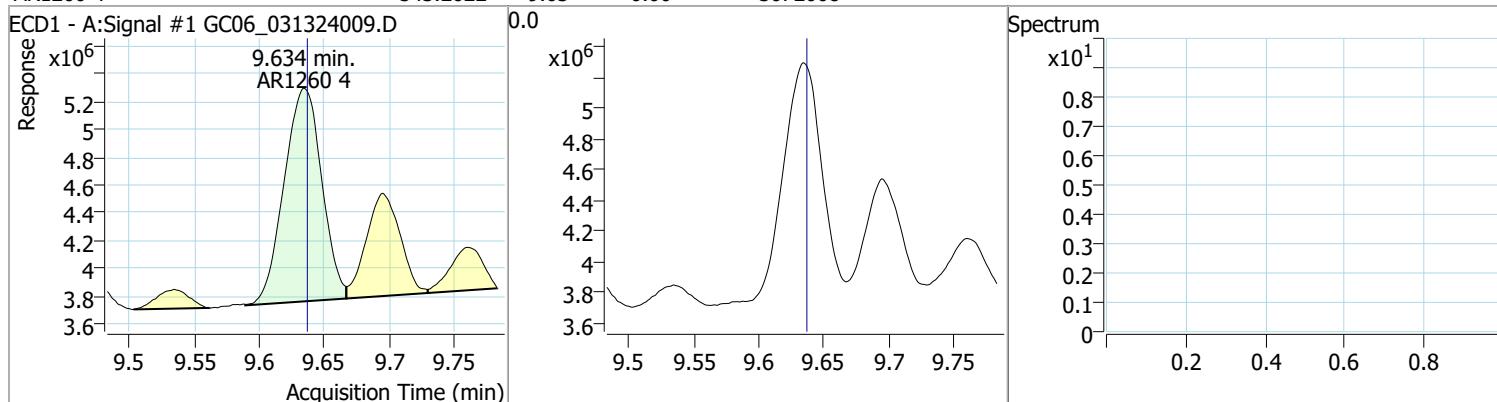


# Quantitation Results Report (Not Reviewed)

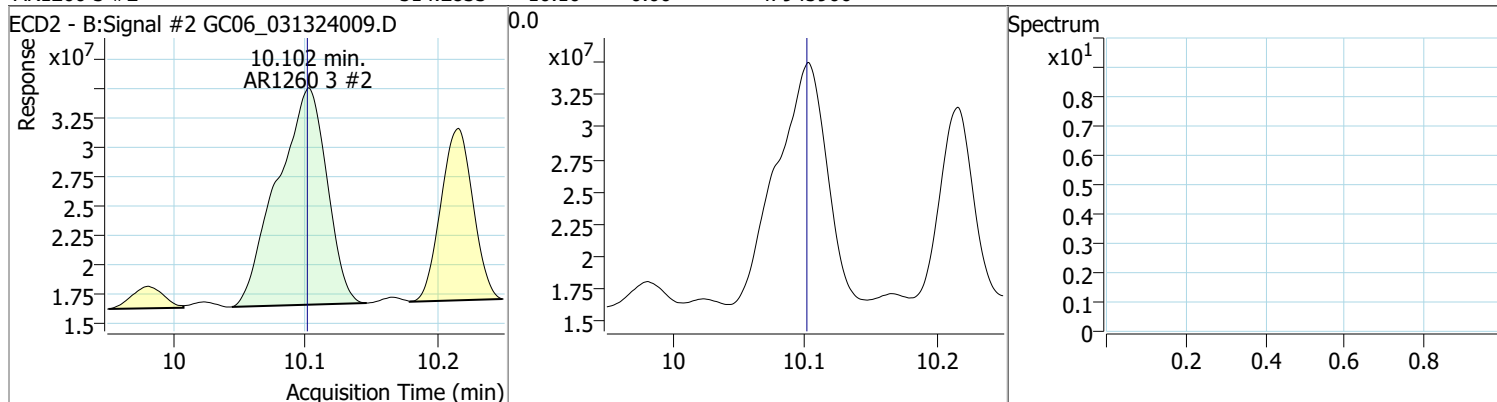
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 #2 | 493.0728 | 9.62 | 0.00     | 39284087 |      |        |       |       |



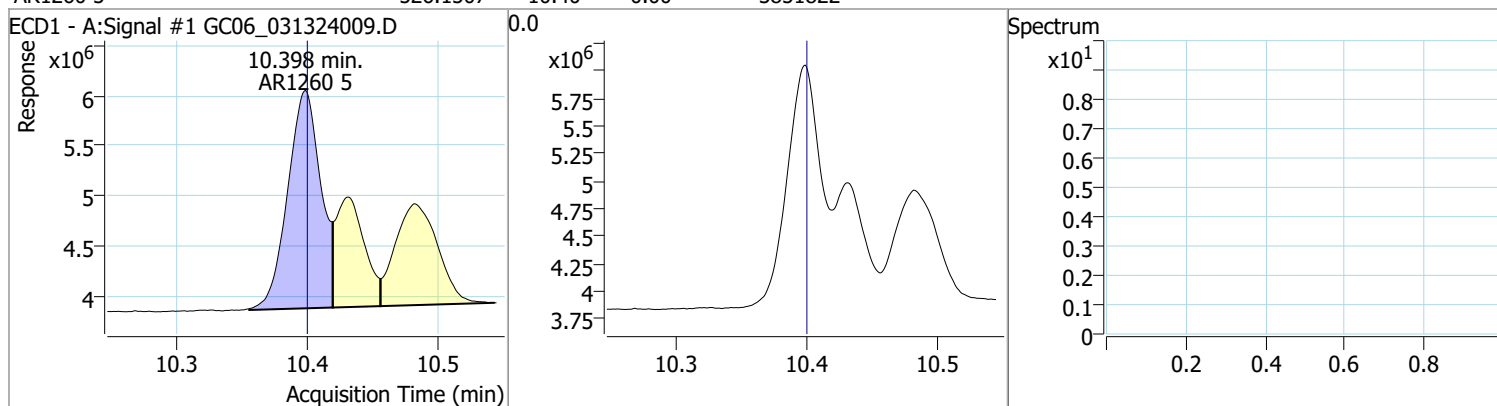
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 543.2622 | 9.63 | 0.00     | 3072008 |      |        |       |       |



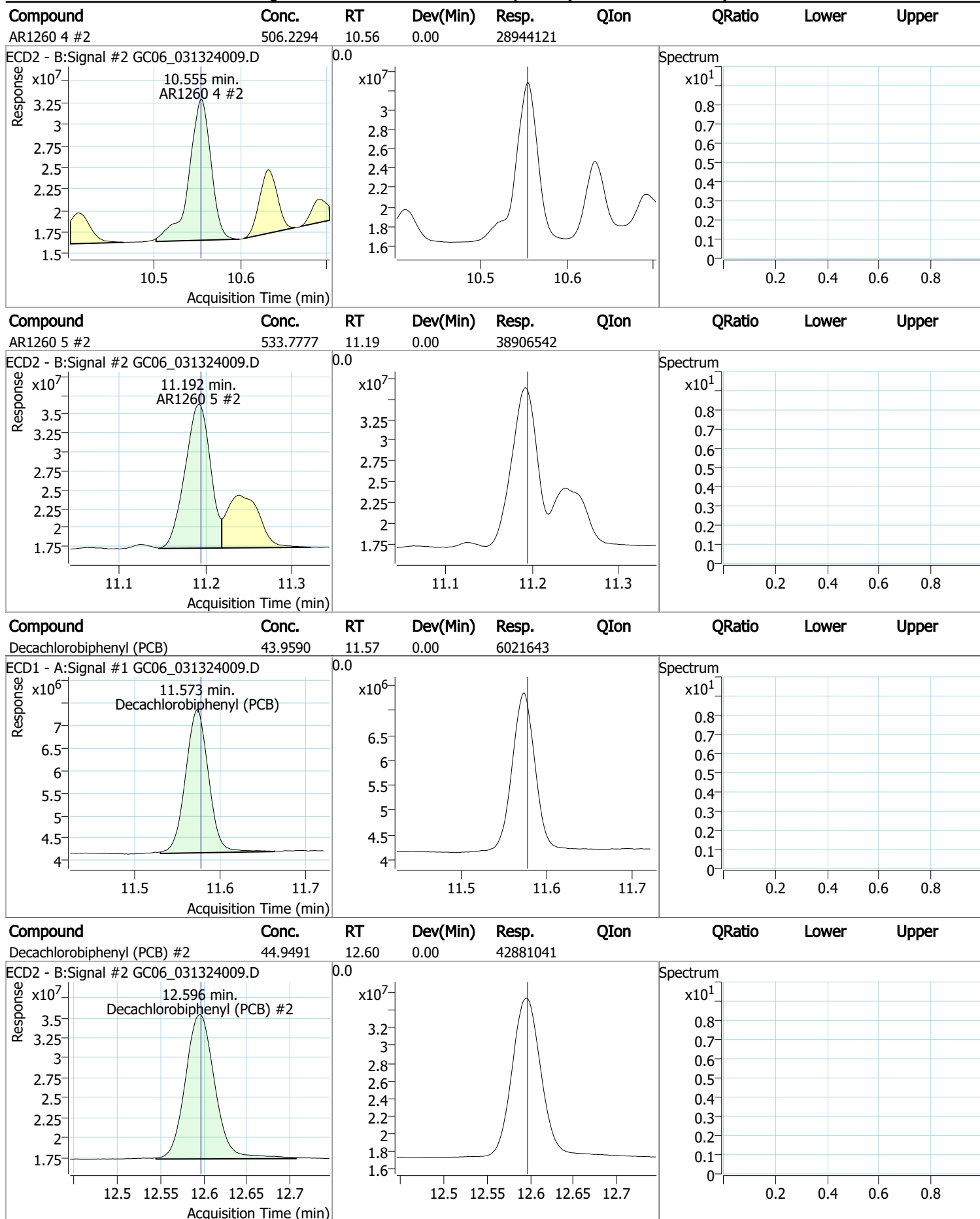
| Compound    | Conc.    | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|-------|----------|----------|------|--------|-------|-------|
| AR1260 3 #2 | 514.2833 | 10.10 | 0.00     | 47945906 |      |        |       |       |



| Compound | Conc.    | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|---------|------|--------|-------|-------|
| AR1260 5 | 526.1507 | 10.40 | 0.00     | 3851822 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)





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

enthalpy.com

Lab Job Number : 504073  
Report Level : IV  
Report Date : 03/18/2024

## Metals

### **Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 504073  
 Project No: 20-10491  
 Location: Hangar 1 NTCRA  
 Date Received: 03/08/24

| Sample ID                                     | Lab ID     | Collected      | Matrix |
|-----------------------------------------------|------------|----------------|--------|
| ARCH-C14W-EXT-1 TO 2-240308-L-WF              | 504073-002 | 03/08/24 07:40 | Wipe   |
| ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF          | 504073-003 | 03/08/24 07:40 | Wipe   |
| ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA | 504073-005 | 03/08/24 08:00 | Wipe   |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | 504073-008 | 03/08/24 08:15 | Wipe   |
| ARCH-C14W-DG-2 TO 2.5-240308-L-FB             | 504073-010 | 03/08/24 08:25 | Wipe   |
| ARCH-C14W-PS-2.5-240308-L-G                   | 504073-012 | 03/08/24 08:40 | Wipe   |
| ARCH-C14W-DG-2.5 TO 3-240308-L-FB             | 504073-014 | 03/08/24 08:45 | Wipe   |
| ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF          | 504073-016 | 03/08/24 08:55 | Wipe   |
| ARCH-C14W-DG-4 TO 4.5-240308-L-FB             | 504073-018 | 03/08/24 09:20 | Wipe   |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA | 504073-020 | 03/08/24 09:10 | Wipe   |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA | 504073-022 | 03/08/24 09:30 | Wipe   |

## Case Narrative

### METALS (EPA 6010B)

---

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

Lab Job 504073  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/08/24

---

This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 03/11/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

#### **Metals (EPA 6010B):**

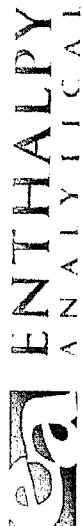
No analytical problems were encountered.

## **Chain of Custody**

504073

| 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 92668<br>Phone 714-771-6900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Page: 1 of 2                                                                                                                                                                                                                                                                                                                                                                                    |  | 3 Day: custom TAT:                                                                                                                                                                                                                                               |  |
| <b>CUSTOMER INFORMATION</b><br>Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (510) 890-9556<br>Fax:                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | <b>PROJECT INFORMATION</b><br>Q/Quote #: RIN031721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #:<br>Address: 158 Cody Road, Mountain View, CA<br>Global ID:<br>Sampled By: D. W. W.                                                                                                                                                                                        |  | <b>Analysis Request</b><br>Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other                                                                           |  |
| <b>Test Instructions / Comments</b><br>Confirmation Wipe Samples - Level IV<br>Report/Stage 3 Validation<br>Report PCB concentrations on a $\mu\text{g}/100\text{cm}^2$ basis<br>Report lead concentrations on a $\mu\text{g}/\text{ft}^2$ basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy)                                                                                                                                                                                                                                                                                       |  | <b>Test Instructions / Comments</b><br>Confirmation Wipe Samples - Level IV<br>Report/Stage 3 Validation<br>Report PCB concentrations on a $\mu\text{g}/100\text{cm}^2$ basis<br>Report lead concentrations on a $\mu\text{g}/\text{ft}^2$ basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) |  | <b>Sample Receipt Temp:</b><br>1 = $\text{Na}_2\text{S}_2\text{O}_3$ 2 = HCl 3 = $\text{HNO}_3$<br>4 = $\text{H}_2\text{SO}_4$ 5 = NaOH 6 = Other                                                                                                                |  |
| <b>Sample ID</b><br>1 ARCH-C14W-EXT-1 TO 2-240308-P-WF<br>2 ARCH-C14W-EXT-1 TO 2-240308-L-WF<br>3 ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF<br>4 ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA<br>5 ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA<br>6 ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA<br>7 ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA<br>8 ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA<br>9 ARCH-C14W-DG-2 TO 2.5-40308-P-FB<br>10 ARCH-C14W-DG-2 TO 2.5-40308-L-FB<br>11 ARCH-C14W-PS-2.5-240308-P-G<br>12 ARCH-C14W-PS-2.5-240308-L-G<br>13 ARCH-C14W-DG-2.5 TO 3-240308-P-FB<br>14 ARCH-C14W-DG-2.5 TO 3-240308-L-FB<br>15 ARCH-C14W-INT-2.5 TO 3.5-240308-P-WF |  | <b>PCBs - EPA Method 3546/8082</b><br>Lead by EPA Method 3050M/6010B<br>Pres.                                                                                                                                                                                                                                                                                                                   |  | <b>Date / Time</b><br>3/8/2024 0740<br>3/8/2024 0740<br>3/8/2024 0740<br>3/8/2024 0800<br>3/8/2024 0800<br>3/8/2024 0815<br>3/8/2024 0815<br>3/8/2024 0825<br>3/8/2024 0825<br>3/8/2024 0840<br>3/8/2024 0840<br>3/8/2024 0845<br>3/8/2024 0845<br>3/8/2024 0855 |  |
| <b>Signature</b><br>1 Relinquished By: [Signature]<br>1 Received By: [Signature]<br>2 Relinquished By: [Signature]<br>2 Received By: [Signature]<br>3 Relinquished By: [Signature]<br>3 Received By: [Signature]                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>Print Name</b><br>Daniel W. W. W.<br>Tony Rojas<br>Tony Rojas<br>Kenneth Lee<br>Kenneth Lee<br>Daniel S. W. W.                                                                                                                                                                                                                                                                               |  | <b>Company / Title</b><br>Rincon Consultants<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental                                                                                                                                |  |

504073



**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: 2 of 2                                                                                                                                                                                                                               |               |               |        | 5 Day: 1 Day: X (PB)                                                                                                                                                                                   |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other                                                                                |               |               |        | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other                                              |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| SW = Swab T = Tissue WP = Wipe O = Other                                                                                                                                                                                                   |               |               |        | Report: Level IV                                                                                                                                                                                       |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| Sample Receipt Temp:                                                                                                                                                                                                                       |               |               |        | (lab use only)                                                                                                                                                                                         |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| <b>CUSTOMER INFORMATION</b><br>Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (510) 890-9556<br>Fax: |               |               |        | <b>PROJECT INFORMATION</b><br>Quote #: RIN031721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #:<br>Address: 158 Cody Road, Mountain View, CA<br>Global ID:<br>Sampled By: D. Walsh |       |           |                                                                                       | <b>ANALYSIS REQUEST</b><br>PCBs - EPA Method 3546/8082<br>Lead by EPA Method 3050M/6010B<br>HOLD |             |  |  | <b>TEST INSTRUCTIONS / COMMENTS</b><br>Confirmation Wipe Samples - Level IV<br>Report/Stage 3 Validation<br>Report PCB concentrations on a µg/100cm <sup>2</sup> basis<br>Report lead concentrations on a µg/ft <sup>2</sup> basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) |  |  |  |
| Sample ID                                                                                                                                                                                                                                  | Sampling Date | Sampling Time | Matrix | Container No. / Size                                                                                                                                                                                   | Pres. | Signature | Print Name                                                                            | Company / Title                                                                                  | Date / Time |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 16 ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF                                                                                                                                                                                                    | 3/8/2024      | 0855          | WP     | 1                                                                                                                                                                                                      | --    |           | Donald Walsh                                                                          | Rincon / Env. Scientist                                                                          | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 17 ARCH-C14W-DG-4 TO 4.5-240308-P-FB                                                                                                                                                                                                       | 3/8/2024      | 0920          | WP     | 1                                                                                                                                                                                                      | --    |           | Tammy Rojas                                                                           | Enthalpy / QA                                                                                    | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 18 ARCH-C14W-DG-4 TO 4.5-240308-L-FB                                                                                                                                                                                                       | 3/8/2024      | 0920          | WP     | 1                                                                                                                                                                                                      | --    |           | Tammy Rojas                                                                           | Enthalpy / QA                                                                                    | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 19 ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA                                                                                                                                                                                           | 3/8/2024      | 0910          | WP     | 1                                                                                                                                                                                                      | --    |           | Enthalpy / QA                                                                         | Enthalpy / QA                                                                                    | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 20 ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA                                                                                                                                                                                           | 3/8/2024      | 0910          | WP     | 1                                                                                                                                                                                                      | --    |           | Enthalpy / QA                                                                         | Enthalpy / QA                                                                                    | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 21 ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA                                                                                                                                                                                           | 3/8/2024      | 0930          | WP     | 1                                                                                                                                                                                                      | --    |           | Enthalpy / QA                                                                         | Enthalpy / QA                                                                                    | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 22 ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA                                                                                                                                                                                           | 3/8/2024      | 0930          | WP     | 1                                                                                                                                                                                                      | --    |           | Enthalpy / QA                                                                         | Enthalpy / QA                                                                                    | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 23 240308-P-FIELD/BLANK1-LO                                                                                                                                                                                                                | 3/8/2024      | 0745          | WP     | 1                                                                                                                                                                                                      | --    |           | Enthalpy / QA                                                                         | Enthalpy / QA                                                                                    | 3/8/24 1430 |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 24                                                                                                                                                                                                                                         |               |               |        |                                                                                                                                                                                                        |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 25                                                                                                                                                                                                                                         |               |               |        |                                                                                                                                                                                                        |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 26                                                                                                                                                                                                                                         |               |               |        |                                                                                                                                                                                                        |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 27                                                                                                                                                                                                                                         |               |               |        |                                                                                                                                                                                                        |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 28                                                                                                                                                                                                                                         |               |               |        |                                                                                                                                                                                                        |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 29                                                                                                                                                                                                                                         |               |               |        |                                                                                                                                                                                                        |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| 30                                                                                                                                                                                                                                         |               |               |        |                                                                                                                                                                                                        |       |           |                                                                                       |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| <b>Relinquished By:</b> [Signature]<br><b>Received By:</b> [Signature]<br><b>Relinquished By:</b> [Signature]<br><b>Received By:</b> [Signature]<br><b>Relinquished By:</b> [Signature]<br><b>Received By:</b> [Signature]                 |               |               |        |                                                                                                                                                                                                        |       |           | <b>Signature</b><br><b>Print Name</b><br><b>Company / Title</b><br><b>Date / Time</b> |                                                                                                  |             |  |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |



**ENTHALPY**  
ANALYTICAL

Date Received: 3-8-24 Login # 504073 Client: Rincon

1981



# **SAMPLE ACCEPTANCE CHECKLIST**

## **Section 1**

Client: Pincon Consultants, Inc Project: Hanger 1-NCTRA WP  
 Date Received: 3/9/24 Sampler's Name Present: ☒ Yes ☐ No

## **Section 2**

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) \_\_\_\_\_  
 (No Cooler) : \_\_\_\_\_  
 Sample Temp (°C), One from each cooler: #1: 2-7 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
 (Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)  
 Shipping Information: \_\_\_\_\_

## **Section 3**

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_  
 Cooler Temp (°C): #1: 1.4 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

## **Section 4**

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

## **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: 3/9/24

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.  
 931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209  
[www.enthalpy.com/socal](http://www.enthalpy.com/socal)

Sample Acceptance Checklist – Rev 4, 8/8/2017

SOUTHWEST AIRLINES

Printed on:  
08 MAR 19:14

526 OAK 1014 9963

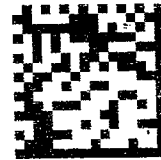


**ONT**

|           |       |        |
|-----------|-------|--------|
| PC#       | DG    | LOT WT |
| 4 OF      | 5   G | 160 LB |
| (72.5 KG) |       |        |

OAK WN 3020 08 MAR 20:55

|     |     |      |     |        |
|-----|-----|------|-----|--------|
| STN | FLT | DATE | ETD | LOT 01 |
|-----|-----|------|-----|--------|



PC ID: 0004  
PC WT: \$2LB

526 10149963 0004

**S**

1.4/ 2.7



## **Results & QC Summary**

## Lead

|                                                                |  |                                 |                            |
|----------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504073                                           |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14W-EXT-1 TO 2-240308-L-WF              |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504073-002                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504073-002 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>240</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF          |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504073-003                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504073-003 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>220</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504073-005                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504073-005 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>99</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504073-008                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504073-008 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>160</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-DG-2 TO 2.5-240308-L-FB             |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504073-010                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |
| <b>504073-010 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>53</b>                       | 0.50 ug/ft2                |

## Lead

|                                                                |  |                                 |           |                            |             |
|----------------------------------------------------------------|--|---------------------------------|-----------|----------------------------|-------------|
| <b>Lab #:</b> 504073                                           |  | <b>Project#:</b> 20-10491       |           |                            |             |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |           |                            |             |
| <b>Field ID:</b> ARCH-C14W-PS-2.5-240308-L-G                   |  | <b>Batch#:</b> 335079           |           | <b>Prep:</b> EPA 3050B     |             |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        |           | <b>Analysis:</b> EPA 6010B |             |
| <b>Lab ID:</b> 504073-012                                      |  | <b>Received:</b> 03/08/24       |           | <b>Analyst:</b> SBW        |             |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |           |                            |             |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |           |                            |             |
| <b>504073-012 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL</b> | <b>Units</b>               |             |
| <b>Lead</b>                                                    |  | <b>230</b>                      | 0.50      | ug/ft2                     |             |
| <b>Field ID:</b> ARCH-C14W-DG-2.5 TO 3-240308-L-FB             |  | <b>Batch#:</b> 335079           |           | <b>Prep:</b> EPA 3050B     |             |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        |           | <b>Analysis:</b> EPA 6010B |             |
| <b>Lab ID:</b> 504073-014                                      |  | <b>Received:</b> 03/08/24       |           | <b>Analyst:</b> SBW        |             |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |           |                            |             |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |           |                            |             |
| <b>504073-014 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL</b> | <b>Units</b>               |             |
| <b>Lead</b>                                                    |  | <b>64</b>                       | 0.50      | ug/ft2                     |             |
| <b>Field ID:</b> ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF          |  | <b>Batch#:</b> 335079           |           | <b>Prep:</b> EPA 3050B     |             |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        |           | <b>Analysis:</b> EPA 6010B |             |
| <b>Lab ID:</b> 504073-016                                      |  | <b>Received:</b> 03/08/24       |           | <b>Analyst:</b> SBW        |             |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |           |                            |             |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |           |                            |             |
| <b>504073-016 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL</b> | <b>Units</b>               |             |
| <b>Lead</b>                                                    |  | <b>220</b>                      | 0.50      | ug/ft2                     |             |
| <b>Field ID:</b> ARCH-C14W-DG-4 TO 4.5-240308-L-FB             |  | <b>Batch#:</b> 335079           |           | <b>Prep:</b> EPA 3050B     |             |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        |           | <b>Analysis:</b> EPA 6010B |             |
| <b>Lab ID:</b> 504073-018                                      |  | <b>Received:</b> 03/08/24       |           | <b>Analyst:</b> SBW        |             |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |           |                            |             |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |           |                            |             |
| <b>504073-018 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL</b> | <b>Units</b>               |             |
| <b>Lead</b>                                                    |  | <b>150</b>                      | 0.50      | ug/ft2                     |             |
| <b>Field ID:</b> ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA |  | <b>Batch#:</b> 335079           |           | <b>Prep:</b> EPA 3050B     |             |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        |           | <b>Analysis:</b> EPA 6010B |             |
| <b>Lab ID:</b> 504073-020                                      |  | <b>Received:</b> 03/08/24       |           | <b>Analyst:</b> SBW        |             |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |           |                            |             |
| <b>Diln Fac:</b> 5.000                                         |  | <b>Analyzed:</b> 03/12/24       |           |                            |             |
| <b>504073-020 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL</b> | <b>Units</b>               | <b>Qual</b> |
| <b>Lead</b>                                                    |  | <b>640</b>                      | 0.94      | ug/ft2                     | b           |

## Lead

|                                                                |  |                                 |                            |
|----------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504073                                           |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA |  | <b>Batch#:</b> 335079           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/08/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504073-022                                      |  | <b>Received:</b> 03/08/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/11/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/11/24       |                            |

| 504073-022 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 190    | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 335079     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1135479 | <b>Prepared:</b> 03/11/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 03/11/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1135479 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend  
**ND:** Not Detected  
**RL:** Reporting Limit  
**b:** See narrative

## Lead: Batch QC

**Lab #:** 504073

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1135480

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335079

**Prepared:** 03/11/24

**Analyzed:** 03/11/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1135480 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 51.82  | 104  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1135481

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335079

**Prepared:** 03/11/24

**Analyzed:** 03/11/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1135481 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 51.36  | 103  | 80-120 | ug/ft2 | 1   | 20  |

Legend

**RPD:** Relative Percent  
Difference

**REPORTING SUMMARY FOR 504073 METALS Wipe**  
**Enthalpy Analytical - Orange**

| Lab ID     | Inst ID | Analyzed       | IDF | P<br>B |
|------------|---------|----------------|-----|--------|
| 504073-002 | MET09   | 03/11/24 19:55 | 1.0 | ✓      |
| 504073-003 | MET09   | 03/11/24 19:58 | 1.0 | ✓      |
| 504073-005 | MET09   | 03/11/24 20:01 | 1.0 | ✓      |
| 504073-008 | MET09   | 03/11/24 20:04 | 1.0 | ✓      |
| 504073-010 | MET09   | 03/11/24 20:07 | 1.0 | ✓      |
| 504073-012 | MET09   | 03/11/24 20:10 | 1.0 | ✓      |
| 504073-014 | MET09   | 03/11/24 20:13 | 1.0 | ✓      |
| 504073-016 | MET09   | 03/11/24 20:17 | 1.0 | ✓      |
| 504073-018 | MET09   | 03/11/24 20:20 | 1.0 | ✓      |
| 504073-020 | MET09   | 03/11/24 20:29 | 1.0 |        |
| 504073-020 | MET09   | 03/11/24 23:43 | 5.0 |        |
| 504073-020 | MET09   | 03/12/24 09:40 | 5.0 | ✓      |
| 504073-022 | MET09   | 03/11/24 20:32 | 1.0 | ✓      |
| QC1135479  | MET09   | 03/11/24 19:14 | 1.0 | ✓      |
| QC1135480  | MET09   | 03/11/24 19:17 | 1.0 | ✓      |
| QC1135481  | MET09   | 03/11/24 19:20 | 1.0 | ✓      |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type    | Sample ID  | Matrix         | Batch  | Analyzed       | IDF | Std's Used |                  |
|-----|----------|---------|------------|----------------|--------|----------------|-----|------------|------------------|
| 001 | icp data | ICALBLK |            |                |        | 03/11/24 11:20 | 1.0 |            |                  |
| 002 | icp data | ICAL    | L1         |                |        | 03/11/24 11:23 | 1.0 | 1          |                  |
| 003 | icp data | ICAL    | L2         |                |        | 03/11/24 11:26 | 1.0 | 2          |                  |
| 004 | icp data | ICAL    | L3         |                |        | 03/11/24 11:29 | 1.0 | 3          |                  |
| 005 | icp data | ICAL    | L4         |                |        | 03/11/24 11:32 | 1.0 | 4          |                  |
| 006 | icp data | ICAL    | L5         |                |        | 03/11/24 11:35 | 1.0 | 5          |                  |
| 007 | icp data | ICAL    | L6         |                |        | 03/11/24 11:38 | 1.0 | 6          |                  |
| 008 | icp data | ICAL    | L7         |                |        | 03/11/24 11:41 | 1.0 | 7          |                  |
| 009 | icp data | ICAL    | L8         |                |        | 03/11/24 11:44 | 1.0 | 8          |                  |
| 010 | icp data | ICV     |            |                |        | 03/11/24 11:48 | 1.0 | 9          |                  |
| 011 | icp data | ICV     |            |                |        | 03/11/24 11:51 | 1.0 | 10         |                  |
| 012 | icp data | ICB     |            |                |        | 03/11/24 11:54 | 1.0 |            |                  |
| 013 | icp data | CRI     |            |                |        | 03/11/24 11:57 | 1.0 | 11         |                  |
| 014 | icp data | ICSA    |            |                |        | 03/11/24 12:03 | 1.0 | 12         | 6:MGASMGCO3=1400 |
| 015 | icp data | XICSAB  |            |                |        | 03/11/24 12:06 | 1.0 | 13         | 6:MGASMGCO3=1400 |
| 016 | icp data | ICSAB   |            |                |        | 03/11/24 12:11 | 1.0 | 13         | 6:MGASMGCO3=1400 |
| 017 | icp data | BLANK   | QC1135213  | Water          | 335000 | 03/11/24 12:14 | 1.0 | 14         |                  |
| 018 | icp data | LCS     | QC1135214  | Water          | 335000 | 03/11/24 12:18 | 1.0 | 14         |                  |
| 019 | icp data | MSS     | 504041-001 | Water          | 335000 | 03/11/24 12:21 | 1.0 | 14         |                  |
| 020 | icp data | MS      | QC1135215  | Water          | 335000 | 03/11/24 12:24 | 1.0 | 14         |                  |
| 021 | icp data | MSD     | QC1135216  | Water          | 335000 | 03/11/24 12:27 | 1.0 | 14         |                  |
| 022 | icp data | SAMPLE  | 504041-002 | Water          | 335000 | 03/11/24 12:30 | 1.0 | 14         |                  |
| 023 | icp data | CCV     |            |                |        | 03/11/24 12:33 | 1.0 | 10         |                  |
| 024 | icp data | CCB     |            |                |        | 03/11/24 12:36 | 1.0 |            |                  |
| 025 | icp data | BLANK   | QC1135322  | Drinking Water | 335027 | 03/11/24 12:39 | 1.0 | 14         |                  |
| 026 | icp data | LCS     | QC1135323  | Drinking Water | 335027 | 03/11/24 12:43 | 1.0 | 14         |                  |
| 027 | icp data | MSS     | 504041-003 | Drinking Water | 335027 | 03/11/24 12:46 | 1.0 | 14         |                  |
| 028 | icp data | MS      | QC1135324  | Drinking Water | 335027 | 03/11/24 12:49 | 1.0 | 14         |                  |
| 029 | icp data | MSD     | QC1135325  | Drinking Water | 335027 | 03/11/24 12:52 | 1.0 | 14         |                  |
| 030 | icp data | CCV     |            |                |        | 03/11/24 12:55 | 1.0 | 10         |                  |
| 031 | icp data | CCB     |            |                |        | 03/11/24 12:58 | 1.0 |            |                  |
| 032 | icp data | CCV     |            |                |        | 03/11/24 13:01 | 1.0 | 9          |                  |
| 033 | icp data | CCB     |            |                |        | 03/11/24 13:04 | 1.0 |            |                  |
| 034 | icp data | BLANK   | QC1135322  | Drinking Water | 335027 | 03/11/24 13:07 | 1.0 | 14         |                  |
| 035 | icp data | LCS     | QC1135323  | Drinking Water | 335027 | 03/11/24 13:11 | 1.0 | 14         |                  |
| 036 | icp data | MSS     | 504041-003 | Drinking Water | 335027 | 03/11/24 13:14 | 1.0 | 14         |                  |
| 037 | icp data | MS      | QC1135324  | Drinking Water | 335027 | 03/11/24 13:17 | 1.0 | 14         |                  |
| 038 | icp data | MSD     | QC1135325  | Drinking Water | 335027 | 03/11/24 13:20 | 1.0 | 14         |                  |
| 039 | icp data | SAMPLE  | 503916-010 | Soil           | 334929 | 03/11/24 13:23 | 1.0 | 14         | 3:FE=250         |
| 040 | icp data | BLANK   | QC1135402  | Water          | 335051 | 03/11/24 13:26 | 1.0 | 14         |                  |
| 041 | icp data | LCS     | QC1135403  | Water          | 335051 | 03/11/24 13:29 | 1.0 | 14         |                  |
| 042 | icp data | SAMPLE  | 503916-022 | Water          | 335051 | 03/11/24 13:32 | 1.0 | 14         | 1:FE=24          |
| 043 | icp data | MSS     | 503916-027 | Water          | 335051 | 03/11/24 13:36 | 1.0 | 14         | 5:CAASCACO3=280  |
| 044 | icp data | CCV     |            |                |        | 03/11/24 13:39 | 1.0 | 9          |                  |
| 045 | icp data | CCB     |            |                |        | 03/11/24 13:42 | 1.0 |            |                  |
| 046 | icp data | MS      | QC1135404  | Water          | 335051 | 03/11/24 13:45 | 1.0 | 14         | 5:CAASCACO3=320  |
| 047 | icp data | MSD     | QC1135405  | Water          | 335051 | 03/11/24 13:48 | 1.0 | 14         | 5:CAASCACO3=320  |
| 048 | icp data | SAMPLE  | 504102-077 | Water          | 335051 | 03/11/24 13:51 | 1.0 | 14         |                  |
| 049 | icp data | BLANK   | QC1135361  | WET Leachate   | 335033 | 03/11/24 13:56 | 1.0 | 14         |                  |
| 050 | icp data | BLANK   | QC1135362  | WET Leachate   | 335033 | 03/11/24 13:59 | 1.0 | 14         |                  |
| 051 | icp data | BS      | QC1135364  | WET Leachate   | 335033 | 03/11/24 14:02 | 1.0 | 14         |                  |
| 052 | icp data | BSD     | QC1135365  | WET Leachate   | 335033 | 03/11/24 14:05 | 1.0 | 14         |                  |
| 053 | icp data | SAMPLE  | 501391-001 | WET Leachate   | 335033 | 03/11/24 14:08 | 1.0 | 14         |                  |
| 054 | icp data | SAMPLE  | 501652-007 | WET Leachate   | 335033 | 03/11/24 14:11 | 1.0 | 14         |                  |
| 055 | icp data | SAMPLE  | 501652-010 | WET Leachate   | 335033 | 03/11/24 14:15 | 1.0 | 14         |                  |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type    | Sample ID  | Matrix       | Batch  | Analyzed       | IDF | Std's Used |                 |
|-----|----------|---------|------------|--------------|--------|----------------|-----|------------|-----------------|
| 056 | icp data | CCV     |            |              |        | 03/11/24 14:18 | 1.0 | 9          |                 |
| 057 | icp data | CCB     |            |              |        | 03/11/24 14:21 | 1.0 |            |                 |
| 058 | icp data | SAMPLE  | 502876-002 | WET Leachate | 335033 | 03/11/24 14:24 | 1.0 | 14         |                 |
| 059 | icp data | SAMPLE  | 502878-001 | WET Leachate | 335033 | 03/11/24 14:27 | 1.0 | 14         |                 |
| 060 | icp data | SAMPLE  | 502878-004 | WET Leachate | 335033 | 03/11/24 14:30 | 1.0 | 14         |                 |
| 061 | icp data | SAMPLE  | 502878-009 | WET Leachate | 335033 | 03/11/24 14:33 | 1.0 | 14         |                 |
| 062 | icp data | SAMPLE  | 503094-001 | WET Leachate | 335033 | 03/11/24 14:36 | 1.0 | 14         |                 |
| 063 | icp data | SAMPLE  | 503803-001 | WET Leachate | 335033 | 03/11/24 14:40 | 1.0 | 14         |                 |
| 064 | icp data | SAMPLE  | 503803-002 | WET Leachate | 335033 | 03/11/24 14:43 | 1.0 | 14         |                 |
| 065 | icp data | SAMPLE  | 504030-001 | WET Leachate | 335033 | 03/11/24 14:46 | 1.0 | 14         |                 |
| 066 | icp data | CCV     |            |              |        | 03/11/24 14:49 | 1.0 | 9          |                 |
| 067 | icp data | CCB     |            |              |        | 03/11/24 14:52 | 1.0 |            |                 |
| 068 | icp data | UNKNOWN | MB         |              |        | 03/11/24 14:55 | 1.0 | 14         |                 |
| 069 | icp data | UNKNOWN | MB         |              |        | 03/11/24 14:58 | 1.0 | 14         |                 |
| 070 | icp data | UNKNOWN | STD2       |              |        | 03/11/24 15:01 | 1.0 | 14         |                 |
| 071 | icp data | UNKNOWN | STD2       |              |        | 03/11/24 15:04 | 1.0 | 14         |                 |
| 072 | icp data | UNKNOWN | MB         |              |        | 03/11/24 15:08 | 1.0 | 14         |                 |
| 073 | icp data | UNKNOWN | MB         |              |        | 03/11/24 15:11 | 1.0 | 14         |                 |
| 074 | icp data | UNKNOWN | CRI        |              |        | 03/11/24 15:14 | 1.0 | 14         |                 |
| 075 | icp data | UNKNOWN | CRI        |              |        | 03/11/24 15:17 | 1.0 | 14         |                 |
| 076 | icp data | CCV     |            |              |        | 03/11/24 15:20 | 1.0 | 9          |                 |
| 077 | icp data | CCB     |            |              |        | 03/11/24 15:23 | 1.0 |            |                 |
| 078 | icp data | BLANK   | QC1135183  | Soil         | 334994 | 03/11/24 15:26 | 1.0 | 14         |                 |
| 079 | icp data | LCS     | QC1135184  | Soil         | 334994 | 03/11/24 15:29 | 1.0 | 14         |                 |
| 080 | icp data | SAMPLE  | 503945-004 | Soil         | 334994 | 03/11/24 15:33 | 1.0 | 14         | 3:FE=250        |
| 081 | icp data | SAMPLE  | 503947-004 | Soil         | 334994 | 03/11/24 15:36 | 1.0 | 14         | 2:FE=100        |
| 082 | icp data | MSS     | 504028-001 | Miscell.     | 334994 | 03/11/24 15:39 | 1.0 | 14         | 5:FEASFE2O3=210 |
| 083 | icp data | MS      | QC1135185  | Miscell.     | 334994 | 03/11/24 15:42 | 1.0 | 14         | 5:FEASFE2O3=210 |
| 084 | icp data | MSD     | QC1135186  | Miscell.     | 334994 | 03/11/24 15:45 | 1.0 | 14         | 5:FEASFE2O3=220 |
| 085 | icp data | PDS     | QC1135187  | Miscell.     | 334994 | 03/11/24 15:48 | 1.0 | 14         | 5:FEASFE2O3=210 |
| 086 | icp data | SAMPLE  | 504028-026 | Soil         | 334994 | 03/11/24 15:51 | 1.0 | 14         | 2:FE=160        |
| 087 | icp data | SAMPLE  | 504028-027 | Soil         | 334994 | 03/11/24 15:54 | 1.0 | 14         | 2:FE=180        |
| 088 | icp data | CCV     |            |              |        | 03/11/24 15:57 | 1.0 | 9          |                 |
| 089 | icp data | CCB     |            |              |        | 03/11/24 16:01 | 1.0 |            |                 |
| 090 | icp data | SAMPLE  | 504028-028 | Soil         | 334994 | 03/11/24 16:04 | 1.0 | 14         | 3:FE=190        |
| 091 | icp data | SAMPLE  | 504028-029 | Soil         | 334994 | 03/11/24 16:07 | 1.0 | 14         | 2:FE=130        |
| 092 | icp data | SAMPLE  | 504028-030 | Soil         | 334994 | 03/11/24 16:10 | 1.0 | 14         | 2:FE=150        |
| 093 | icp data | SAMPLE  | 504028-031 | Soil         | 334994 | 03/11/24 16:13 | 1.0 | 14         | 3:FE=190        |
| 094 | icp data | SAMPLE  | 504087-001 | Soil         | 334994 | 03/11/24 16:16 | 1.0 | 14         | 2:FE=160        |
| 095 | icp data | SAMPLE  | 504087-002 | Soil         | 334994 | 03/11/24 16:19 | 1.0 | 14         | 2:FE=120        |
| 096 | icp data | SAMPLE  | 504087-003 | Soil         | 334994 | 03/11/24 16:22 | 1.0 | 14         | 3:FE=200        |
| 097 | icp data | SAMPLE  | 504087-004 | Soil         | 334994 | 03/11/24 16:26 | 1.0 | 14         | 2:FE=120        |
| 098 | icp data | SAMPLE  | 504088-001 | Soil         | 334994 | 03/11/24 16:29 | 1.0 | 14         | 2:FE=150        |
| 099 | icp data | BLANK   | QC1135193  | Soil         | 334996 | 03/11/24 16:32 | 1.0 | 14         |                 |
| 100 | icp data | CCV     |            |              |        | 03/11/24 16:35 | 1.0 | 9          |                 |
| 101 | icp data | CCB     |            |              |        | 03/11/24 16:38 | 1.0 |            |                 |
| 102 | icp data | LCS     | QC1135194  | Soil         | 334996 | 03/11/24 16:41 | 1.0 | 14         |                 |
| 103 | icp data | MSS     | 504103-001 | Miscell.     | 334996 | 03/11/24 16:44 | 1.0 | 14         | 5:CAASCACO3=450 |
| 104 | icp data | MS      | QC1135195  | Miscell.     | 334996 | 03/11/24 16:47 | 1.0 | 14         | 6:CAASCACO3=440 |
| 105 | icp data | MSD     | QC1135196  | Miscell.     | 334996 | 03/11/24 16:50 | 1.0 | 14         | 5:CAASCACO3=410 |
| 106 | icp data | PDS     | QC1135197  | Miscell.     | 334996 | 03/11/24 16:54 | 1.0 | 14         | 5:CAASCACO3=440 |
| 107 | icp data | SAMPLE  | 504103-002 | Miscell.     | 334996 | 03/11/24 16:57 | 1.0 | 14         | 2:FE=140        |
| 108 | icp data | SAMPLE  | 504103-003 | Miscell.     | 334996 | 03/11/24 17:00 | 1.0 | 14         | 2:FE=110        |
| 109 | icp data | SAMPLE  | 504103-016 | Soil         | 334996 | 03/11/24 17:03 | 1.0 | 14         | 3:FE=200        |
| 110 | icp data | SAMPLE  | 504103-017 | Soil         | 334996 | 03/11/24 17:06 | 1.0 | 14         | 2:FE=200        |



Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type   | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | StdS Used |                 |
|-----|----------|--------|------------|----------|--------|----------------|-----|-----------|-----------------|
| 111 | icp data | SAMPLE | 504103-018 | Soil     | 334996 | 03/11/24 17:09 | 1.0 | 14        | 3:FE=240        |
| 112 | icp data | CCV    |            |          |        | 03/11/24 17:12 | 1.0 | 9         |                 |
| 113 | icp data | CCB    |            |          |        | 03/11/24 17:15 | 1.0 |           |                 |
| 114 | icp data | SAMPLE | 504104-001 | Miscell. | 334996 | 03/11/24 17:19 | 1.0 | 14        | 2:FE=94         |
| 115 | icp data | SAMPLE | 504104-002 | Miscell. | 334996 | 03/11/24 17:22 | 1.0 | 14        | 2:FE=120        |
| 116 | icp data | SAMPLE | 504104-003 | Miscell. | 334996 | 03/11/24 17:25 | 1.0 | 14        | 2:FE=100        |
| 117 | icp data | SAMPLE | 504104-004 | Miscell. | 334996 | 03/11/24 17:28 | 1.0 | 14        | 2:FE=94         |
| 118 | icp data | SAMPLE | 504104-021 | Soil     | 334996 | 03/11/24 17:31 | 1.0 | 14        | 2:FE=220        |
| 119 | icp data | SAMPLE | 504104-022 | Soil     | 334996 | 03/11/24 17:34 | 1.0 | 14        | 2:FE=170        |
| 120 | icp data | SAMPLE | 504104-023 | Soil     | 334996 | 03/11/24 17:37 | 1.0 | 14        | 2:FE=200        |
| 121 | icp data | SAMPLE | 504104-024 | Soil     | 334996 | 03/11/24 17:40 | 1.0 | 14        | 2:FE=190        |
| 122 | icp data | CCV    |            |          |        | 03/11/24 17:43 | 1.0 | 9         |                 |
| 123 | icp data | CCB    |            |          |        | 03/11/24 17:47 | 1.0 |           |                 |
| 124 | icp data | BLANK  | QC1135479  | Wipe     | 335079 | 03/11/24 19:14 | 1.0 | 14        |                 |
| 125 | icp data | BS     | QC1135480  | Wipe     | 335079 | 03/11/24 19:17 | 1.0 | 14        |                 |
| 126 | icp data | BSD    | QC1135481  | Wipe     | 335079 | 03/11/24 19:20 | 1.0 | 14        |                 |
| 127 | icp data | SAMPLE | 504066-001 | Wipe     | 335079 | 03/11/24 19:24 | 1.0 | 14        | 2:ZN=85         |
| 128 | icp data | SAMPLE | 504066-002 | Wipe     | 335079 | 03/11/24 19:27 | 1.0 | 14        | 3:FE=330        |
| 129 | icp data | SAMPLE | 504066-003 | Wipe     | 335079 | 03/11/24 19:30 | 1.0 | 14        | 2:FE=65         |
| 130 | icp data | SAMPLE | 504066-004 | Wipe     | 335079 | 03/11/24 19:33 | 1.0 | 14        | 2:ZN=55         |
| 131 | icp data | SAMPLE | 504066-005 | Wipe     | 335079 | 03/11/24 19:36 | 1.0 | 14        | 1:FE=47         |
| 132 | icp data | SAMPLE | 504066-006 | Wipe     | 335079 | 03/11/24 19:39 | 1.0 | 14        | 2:FE=60         |
| 133 | icp data | SAMPLE | 504066-007 | Wipe     | 335079 | 03/11/24 19:42 | 1.0 | 14        |                 |
| 134 | icp data | CCV    |            |          |        | 03/11/24 19:45 | 1.0 | 9         |                 |
| 135 | icp data | CCB    |            |          |        | 03/11/24 19:49 | 1.0 |           |                 |
| 136 | icp data | SAMPLE | 504066-008 | Wipe     | 335079 | 03/11/24 19:52 | 1.0 | 14        |                 |
| 137 | icp data | SAMPLE | 504073-002 | Wipe     | 335079 | 03/11/24 19:55 | 1.0 | 14        | 1:FE=160        |
| 138 | icp data | SAMPLE | 504073-003 | Wipe     | 335079 | 03/11/24 19:58 | 1.0 | 14        | 1:FE=110        |
| 139 | icp data | SAMPLE | 504073-005 | Wipe     | 335079 | 03/11/24 20:01 | 1.0 | 14        | 1:FE=70         |
| 140 | icp data | SAMPLE | 504073-008 | Wipe     | 335079 | 03/11/24 20:04 | 1.0 | 14        | 1:FE=78         |
| 141 | icp data | SAMPLE | 504073-010 | Wipe     | 335079 | 03/11/24 20:07 | 1.0 | 14        | 2:ZN=62         |
| 142 | icp data | SAMPLE | 504073-012 | Wipe     | 335079 | 03/11/24 20:10 | 1.0 | 14        | 1:FE=88         |
| 143 | icp data | SAMPLE | 504073-014 | Wipe     | 335079 | 03/11/24 20:13 | 1.0 | 14        | 1:FE=34         |
| 144 | icp data | SAMPLE | 504073-016 | Wipe     | 335079 | 03/11/24 20:17 | 1.0 | 14        | 1:FE=67         |
| 145 | icp data | SAMPLE | 504073-018 | Wipe     | 335079 | 03/11/24 20:20 | 1.0 | 14        | 1:FE=48         |
| 146 | icp data | CCV    |            |          |        | 03/11/24 20:23 | 1.0 | 9         |                 |
| 147 | icp data | CCB    |            |          |        | 03/11/24 20:26 | 1.0 |           |                 |
| 148 | icp data | SAMPLE | 504073-020 | Wipe     | 335079 | 03/11/24 20:29 | 1.0 | 14        | 3:ZN=99         |
| 149 | icp data | SAMPLE | 504073-022 | Wipe     | 335079 | 03/11/24 20:32 | 1.0 | 14        | 1:FE=68         |
| 150 | icp data | SAMPLE | 504066-002 | Wipe     | 335079 | 03/11/24 20:35 | 5.0 | 14        | 1:FE=79         |
| 151 | icp data | BLANK  | QC1135494  | Soil     | 335084 | 03/11/24 20:38 | 1.0 | 14        |                 |
| 152 | icp data | LCS    | QC1135495  | Soil     | 335084 | 03/11/24 20:42 | 1.0 | 14        |                 |
| 153 | icp data | SAMPLE | 504001-013 | Soil     | 335084 | 03/11/24 20:45 | 1.0 | 14        | 2:FE=220        |
| 154 | icp data | SAMPLE | 504001-014 | Soil     | 335084 | 03/11/24 20:48 | 1.0 | 14        | 2:FE=210        |
| 155 | icp data | SAMPLE | 504001-015 | Soil     | 335084 | 03/11/24 20:51 | 1.0 | 14        | 3:FE=220        |
| 156 | icp data | SAMPLE | 504001-016 | Soil     | 335084 | 03/11/24 20:54 | 1.0 | 14        | 3:FE=170        |
| 157 | icp data | SAMPLE | 504003-005 | Soil     | 335084 | 03/11/24 20:57 | 1.0 | 14        |                 |
| 158 | icp data | CCV    |            |          |        | 03/11/24 21:00 | 1.0 | 9         |                 |
| 159 | icp data | CCB    |            |          |        | 03/11/24 21:03 | 1.0 |           |                 |
| 160 | icp data | SAMPLE | 504040-002 | Soil     | 335084 | 03/11/24 21:07 | 1.0 | 14        | 2:FE=260        |
| 161 | icp data | MSS    | 504048-001 | Soil     | 335084 | 03/11/24 21:10 | 1.0 | 14        | 5:FEASFE2O3=330 |
| 162 | icp data | MS     | QC1135496  | Soil     | 335084 | 03/11/24 21:13 | 1.0 | 14        | 4:FEASFE2O3=440 |
| 163 | icp data | MSD    | QC1135497  | Soil     | 335084 | 03/11/24 21:16 | 1.0 | 14        | 5:ALASAL2O3=400 |
| 164 | icp data | PDS    | QC1135498  | Soil     | 335084 | 03/11/24 21:19 | 1.0 | 14        | 6:FEASFE2O3=320 |
| 165 | icp data | SAMPLE | 504048-002 | Soil     | 335084 | 03/11/24 21:22 | 1.0 | 14        | 2:FE=240        |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type   | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | Std's Used |                 |
|-----|----------|--------|------------|----------|--------|----------------|-----|------------|-----------------|
| 166 | icp data | SAMPLE | 504068-001 | Soil     | 335084 | 03/11/24 21:25 | 1.0 | 14         | 2:FE=160        |
| 167 | icp data | SAMPLE | 504069-001 | Soil     | 335084 | 03/11/24 21:28 | 1.0 | 14         | 2:FE=160        |
| 168 | icp data | SAMPLE | 504078-001 | Soil     | 335084 | 03/11/24 21:32 | 1.0 | 14         | 3:FE=270        |
| 169 | icp data | SAMPLE | 504078-002 | Soil     | 335084 | 03/11/24 21:35 | 1.0 | 14         | 2:FE=250        |
| 170 | icp data | CCV    |            |          |        | 03/11/24 21:38 | 1.0 | 9          |                 |
| 171 | icp data | CCB    |            |          |        | 03/11/24 21:41 | 1.0 |            |                 |
| 172 | icp data | SAMPLE | 504078-003 | Soil     | 335084 | 03/11/24 21:44 | 1.0 | 14         | 2:FE=240        |
| 173 | icp data | SAMPLE | 504078-004 | Soil     | 335084 | 03/11/24 21:47 | 1.0 | 14         | 2:FE=220        |
| 174 | icp data | SAMPLE | 504078-005 | Soil     | 335084 | 03/11/24 21:50 | 1.0 | 14         | 2:FE=180        |
| 175 | icp data | SAMPLE | 504078-006 | Soil     | 335084 | 03/11/24 21:53 | 1.0 | 14         | 3:FE=220        |
| 176 | icp data | SAMPLE | 504078-007 | Soil     | 335084 | 03/11/24 21:57 | 1.0 | 14         | 3:FE=200        |
| 177 | icp data | SAMPLE | 504078-008 | Soil     | 335084 | 03/11/24 22:00 | 1.0 | 14         | 3:FE=230        |
| 178 | icp data | SAMPLE | 504078-009 | Soil     | 335084 | 03/11/24 22:03 | 1.0 | 14         | 3:FE=240        |
| 179 | icp data | SAMPLE | 504078-010 | Soil     | 335084 | 03/11/24 22:06 | 1.0 | 14         | 3:FE=230        |
| 180 | icp data | BLANK  | QC1135504  | Soil     | 335085 | 03/11/24 22:09 | 1.0 | 14         |                 |
| 181 | icp data | LCS    | QC1135505  | Soil     | 335085 | 03/11/24 22:12 | 1.0 | 14         |                 |
| 182 | icp data | CCV    |            |          |        | 03/11/24 22:15 | 1.0 | 9          |                 |
| 183 | icp data | CCB    |            |          |        | 03/11/24 22:18 | 1.0 |            |                 |
| 184 | icp data | SAMPLE | 503612-001 | Miscell. | 335085 | 03/11/24 22:22 | 1.0 | 14         | 2:FE=33         |
| 185 | icp data | SAMPLE | 504079-001 | Soil     | 335085 | 03/11/24 22:25 | 1.0 | 14         | 3:FE=200        |
| 186 | icp data | SAMPLE | 504105-001 | Soil     | 335085 | 03/11/24 22:28 | 1.0 | 14         | 2:FE=130        |
| 187 | icp data | SAMPLE | 504105-002 | Soil     | 335085 | 03/11/24 22:31 | 1.0 | 14         | 2:FE=180        |
| 188 | icp data | SAMPLE | 504105-003 | Soil     | 335085 | 03/11/24 22:34 | 1.0 | 14         | 2:FE=150        |
| 189 | icp data | SAMPLE | 504105-004 | Soil     | 335085 | 03/11/24 22:37 | 1.0 | 14         | 2:FE=120        |
| 190 | icp data | SAMPLE | 504105-005 | Soil     | 335085 | 03/11/24 22:40 | 1.0 | 14         | 2:FE=80         |
| 191 | icp data | SAMPLE | 504105-006 | Soil     | 335085 | 03/11/24 22:44 | 1.0 | 14         | 2:FE=85         |
| 192 | icp data | SAMPLE | 504105-007 | Soil     | 335085 | 03/11/24 22:47 | 1.0 | 14         | 2:FE=130        |
| 193 | icp data | SAMPLE | 504105-008 | Soil     | 335085 | 03/11/24 22:50 | 1.0 | 14         | 2:FE=220        |
| 194 | icp data | CCV    |            |          |        | 03/11/24 22:53 | 1.0 | 9          |                 |
| 195 | icp data | CCB    |            |          |        | 03/11/24 22:56 | 1.0 |            |                 |
| 196 | icp data | MSS    | 504122-001 | Soil     | 335085 | 03/11/24 22:59 | 1.0 | 14         | 5:FEASFE2O3=320 |
| 197 | icp data | MS     | QC1135506  | Soil     | 335085 | 03/11/24 23:02 | 1.0 | 14         | 5:ALASAL2O3=320 |
| 198 | icp data | MSD    | QC1135507  | Soil     | 335085 | 03/11/24 23:05 | 1.0 | 14         | 5:ALASAL2O3=330 |
| 199 | icp data | PDS    | QC1135508  | Soil     | 335085 | 03/11/24 23:09 | 1.0 | 14         | 5:FEASFE2O3=320 |
| 200 | icp data | SAMPLE | 504122-003 | Soil     | 335085 | 03/11/24 23:12 | 1.0 | 14         | 3:FE=220        |
| 201 | icp data | SAMPLE | 504122-005 | Soil     | 335085 | 03/11/24 23:15 | 1.0 | 14         | 3:FE=240        |
| 202 | icp data | SAMPLE | 504122-007 | Soil     | 335085 | 03/11/24 23:18 | 1.0 | 14         | 3:FE=230        |
| 203 | icp data | SAMPLE | 504122-009 | Soil     | 335085 | 03/11/24 23:21 | 1.0 | 14         | 3:FE=240        |
| 204 | icp data | SAMPLE | 504122-011 | Soil     | 335085 | 03/11/24 23:24 | 1.0 | 14         | 3:FE=230        |
| 205 | icp data | SAMPLE | 504122-013 | Soil     | 335085 | 03/11/24 23:27 | 1.0 | 14         | 3:FE=230        |
| 206 | icp data | CCV    |            |          |        | 03/11/24 23:30 | 1.0 | 9          |                 |
| 207 | icp data | CCB    |            |          |        | 03/11/24 23:34 | 1.0 |            |                 |
| 208 | icp data | SAMPLE | 504122-015 | Soil     | 335085 | 03/11/24 23:37 | 1.0 | 14         | 3:FE=210        |
| 209 | icp data | SAMPLE | 504122-017 | Soil     | 335085 | 03/11/24 23:40 | 1.0 | 14         | 3:FE=220        |
| 210 | icp data | SAMPLE | 504073-020 | Wipe     | 335079 | 03/11/24 23:43 | 5.0 | 14         | 1:FE=20         |

SBW 03/11/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 048.

SBW 03/12/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 049 through 210.

## Standards Used:

1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20134 8=S19713 9=S20103 10=S19921 11=S20132 12=S20136 13=S20133 14=S16862

Date: 03/11/24  
Sequence: MET09 03/11/24

Reference: icp data  
Analyzed: 03/11/24 11:20

| #   | Type   | Sample ID   | Y A     | Y R    |
|-----|--------|-------------|---------|--------|
|     |        | ICALBLK STD | 743787  | 260012 |
|     |        | LOWER LIMIT | 223136  | 78003  |
|     |        | UPPER LIMIT | 1487575 | 520023 |
| 012 | ICB    |             | 744090  | 264888 |
| 014 | ICSA   |             | 674502  | 238971 |
| 016 | ICSAB  |             | 672110  | 239703 |
| 017 | BLANK  | QC1135213   | 779608  | 273886 |
| 018 | LCS    | QC1135214   | 755654  | 267330 |
| 019 | MSS    | 504041-001  | 726648  | 252847 |
| 020 | MS     | QC1135215   | 716672  | 247843 |
| 021 | MSD    | QC1135216   | 717858  | 250462 |
| 022 | SAMPLE | 504041-002  | 736162  | 260396 |
| 023 | CCV    |             | 748128  | 269830 |
| 024 | CCB    |             | 733067  | 261829 |
| 025 | BLANK  | QC1135322   | 733848  | 261990 |
| 026 | LCS    | QC1135323   | 724500  | 258283 |
| 027 | MSS    | 504041-003  | 756578  | 270138 |
| 028 | MS     | QC1135324   | 746341  | 266223 |
| 029 | MSD    | QC1135325   | 747854  | 266292 |
| 030 | CCV    |             | 758030  | 265364 |
| 031 | CCB    |             | 744351  | 263672 |
| 032 | CCV    |             | 722453  | 253284 |
| 033 | CCB    |             | 748473  | 265073 |
| 034 | BLANK  | QC1135322   | 734061  | 262127 |
| 035 | LCS    | QC1135323   | 729801  | 258944 |
| 036 | MSS    | 504041-003  | 762260  | 271143 |
| 037 | MS     | QC1135324   | 746108  | 263890 |
| 038 | MSD    | QC1135325   | 751972  | 267036 |
| 039 | SAMPLE | 503916-010  | 702619  | 251264 |
| 040 | BLANK  | QC1135402   | 725320  | 262672 |
| 041 | LCS    | QC1135403   | 715005  | 255066 |
| 042 | SAMPLE | 503916-022  | 701001  | 250319 |
| 043 | MSS    | 503916-027  | 697121  | 250833 |
| 044 | CCV    |             | 720994  | 255645 |
| 045 | CCB    |             | 743648  | 265912 |
| 046 | MS     | QC1135404   | 693346  | 249219 |
| 047 | MSD    | QC1135405   | 694844  | 250457 |
| 048 | SAMPLE | 504102-077  | 720495  | 261793 |
| 049 | BLANK  | QC1135361   | 731188  | 257837 |
| 050 | BLANK  | QC1135362   | 737970  | 257948 |
| 051 | BS     | QC1135364   | 733099  | 256941 |
| 052 | BSD    | QC1135365   | 727793  | 258325 |
| 053 | SAMPLE | 501391-001  | 743764  | 264148 |
| 054 | SAMPLE | 501652-007  | 734940  | 259003 |
| 055 | SAMPLE | 501652-010  | 737646  | 261086 |
| 056 | CCV    |             | 716775  | 255061 |
| 057 | CCB    |             | 740417  | 265529 |
| 058 | SAMPLE | 502876-002  | 733602  | 259530 |
| 059 | SAMPLE | 502878-001  | 731077  | 259520 |
| 060 | SAMPLE | 502878-004  | 732950  | 260151 |
| 061 | SAMPLE | 502878-009  | 734164  | 260550 |
| 062 | SAMPLE | 503094-001  | 734631  | 259274 |
| 063 | SAMPLE | 503803-001  | 727326  | 255720 |
| 064 | SAMPLE | 503803-002  | 725144  | 254481 |
| 065 | SAMPLE | 504030-001  | 727373  | 255948 |
| 066 | CCV    |             | 713556  | 250487 |
| 067 | CCB    |             | 733560  | 259302 |

Date: 03/11/24  
Sequence: MET09 03/11/24

Reference: icp data  
Analyzed: 03/11/24 11:20

| #   | Type   | Sample ID  | Y A    | Y R    |
|-----|--------|------------|--------|--------|
| 076 | CCV    |            | 726082 | 256384 |
| 077 | CCB    |            | 738932 | 265352 |
| 078 | BLANK  | QC1135183  | 722300 | 265787 |
| 079 | LCS    | QC1135184  | 721939 | 262968 |
| 080 | SAMPLE | 503945-004 | 710426 | 257467 |
| 081 | SAMPLE | 503947-004 | 710176 | 257649 |
| 082 | MSS    | 504028-001 | 715671 | 257770 |
| 083 | MS     | QC1135185  | 704972 | 256779 |
| 084 | MSD    | QC1135186  | 704026 | 255921 |
| 085 | PDS    | QC1135187  | 712449 | 258150 |
| 086 | SAMPLE | 504028-026 | 712664 | 258453 |
| 087 | SAMPLE | 504028-027 | 712190 | 258899 |
| 088 | CCV    |            | 724524 | 254759 |
| 089 | CCB    |            | 749077 | 267387 |
| 090 | SAMPLE | 504028-028 | 710510 | 258543 |
| 091 | SAMPLE | 504028-029 | 711809 | 256615 |
| 092 | SAMPLE | 504028-030 | 708009 | 255591 |
| 093 | SAMPLE | 504028-031 | 713930 | 260268 |
| 094 | SAMPLE | 504087-001 | 716584 | 258719 |
| 095 | SAMPLE | 504087-002 | 719806 | 261170 |
| 096 | SAMPLE | 504087-003 | 713119 | 258945 |
| 097 | SAMPLE | 504087-004 | 715903 | 261503 |
| 098 | SAMPLE | 504088-001 | 718361 | 261724 |
| 099 | BLANK  | QC1135193  | 729102 | 263977 |
| 100 | CCV    |            | 727065 | 256500 |
| 101 | CCB    |            | 745087 | 264805 |
| 102 | LCS    | QC1135194  | 717563 | 261067 |
| 103 | MSS    | 504103-001 | 705197 | 254413 |
| 104 | MS     | QC1135195  | 714853 | 257401 |
| 105 | MSD    | QC1135196  | 713221 | 257235 |
| 106 | PDS    | QC1135197  | 702910 | 253622 |
| 107 | SAMPLE | 504103-002 | 711748 | 257354 |
| 108 | SAMPLE | 504103-003 | 706976 | 255180 |
| 109 | SAMPLE | 504103-016 | 704451 | 252838 |
| 110 | SAMPLE | 504103-017 | 704412 | 255227 |
| 111 | SAMPLE | 504103-018 | 704744 | 254671 |
| 112 | CCV    |            | 726845 | 255191 |
| 113 | CCB    |            | 742580 | 266325 |
| 114 | SAMPLE | 504104-001 | 711919 | 257733 |
| 115 | SAMPLE | 504104-002 | 707301 | 254615 |
| 116 | SAMPLE | 504104-003 | 715527 | 259406 |
| 117 | SAMPLE | 504104-004 | 713640 | 257364 |
| 118 | SAMPLE | 504104-021 | 712377 | 256374 |
| 119 | SAMPLE | 504104-022 | 708304 | 253897 |
| 120 | SAMPLE | 504104-023 | 717442 | 258171 |
| 121 | SAMPLE | 504104-024 | 714103 | 256278 |
| 122 | CCV    |            | 726253 | 253783 |
| 123 | CCB    |            | 746878 | 264896 |
| 124 | BLANK  | QC1135479  | 676508 | 239572 |
| 125 | BS     | QC1135480  | 685025 | 239932 |
| 126 | BSD    | QC1135481  | 683945 | 240949 |
| 127 | SAMPLE | 504066-001 | 677663 | 240271 |
| 128 | SAMPLE | 504066-002 | 670178 | 236019 |
| 129 | SAMPLE | 504066-003 | 681776 | 241447 |
| 130 | SAMPLE | 504066-004 | 683479 | 240236 |
| 131 | SAMPLE | 504066-005 | 677831 | 239344 |
| 132 | SAMPLE | 504066-006 | 682230 | 241088 |

Date: 03/11/24  
Sequence: MET09 03/11/24

Reference: icp data  
Analyzed: 03/11/24 11:20

| #   | Type   | Sample ID  | Y A    | Y R    |
|-----|--------|------------|--------|--------|
| 133 | SAMPLE | 504066-007 | 658916 | 232820 |
| 134 | CCV    |            | 716896 | 253834 |
| 135 | CCB    |            | 736097 | 259916 |
| 136 | SAMPLE | 504066-008 | 684984 | 242655 |
| 137 | SAMPLE | 504073-002 | 678972 | 241006 |
| 138 | SAMPLE | 504073-003 | 679829 | 241929 |
| 139 | SAMPLE | 504073-005 | 682815 | 239536 |
| 140 | SAMPLE | 504073-008 | 676480 | 240513 |
| 141 | SAMPLE | 504073-010 | 677476 | 240077 |
| 142 | SAMPLE | 504073-012 | 677308 | 239580 |
| 143 | SAMPLE | 504073-014 | 681330 | 244137 |
| 144 | SAMPLE | 504073-016 | 682687 | 239703 |
| 145 | SAMPLE | 504073-018 | 682581 | 241765 |
| 146 | CCV    |            | 716960 | 253363 |
| 147 | CCB    |            | 735212 | 262018 |
| 148 | SAMPLE | 504073-020 | 676090 | 243307 |
| 149 | SAMPLE | 504073-022 | 681630 | 243332 |
| 150 | SAMPLE | 504066-002 | 715894 | 255753 |
| 151 | BLANK  | QC1135494  | 705372 | 254976 |
| 152 | LCS    | QC1135495  | 698150 | 253476 |
| 153 | SAMPLE | 504001-013 | 692557 | 250024 |
| 154 | SAMPLE | 504001-014 | 687082 | 248315 |
| 155 | SAMPLE | 504001-015 | 686790 | 249335 |
| 156 | SAMPLE | 504001-016 | 689486 | 249833 |
| 157 | SAMPLE | 504003-005 | 693148 | 251035 |
| 158 | CCV    |            | 716171 | 252850 |
| 159 | CCB    |            | 741381 | 260099 |
| 160 | SAMPLE | 504040-002 | 685202 | 246491 |
| 161 | MSS    | 504048-001 | 686401 | 248429 |
| 162 | MS     | QC1135496  | 728606 | 267441 |
| 163 | MSD    | QC1135497  | 687432 | 249441 |
| 164 | PDS    | QC1135498  | 687929 | 248902 |
| 165 | SAMPLE | 504048-002 | 691977 | 251426 |
| 166 | SAMPLE | 504068-001 | 682999 | 247277 |
| 167 | SAMPLE | 504069-001 | 689001 | 249010 |
| 168 | SAMPLE | 504078-001 | 684689 | 247233 |
| 169 | SAMPLE | 504078-002 | 686708 | 246673 |
| 170 | CCV    |            | 720553 | 257043 |
| 171 | CCB    |            | 741277 | 267963 |
| 172 | SAMPLE | 504078-003 | 687854 | 248621 |
| 173 | SAMPLE | 504078-004 | 684374 | 244445 |
| 174 | SAMPLE | 504078-005 | 672766 | 242397 |
| 175 | SAMPLE | 504078-006 | 678074 | 244657 |
| 176 | SAMPLE | 504078-007 | 676255 | 242056 |
| 177 | SAMPLE | 504078-008 | 688850 | 246896 |
| 178 | SAMPLE | 504078-009 | 688310 | 246543 |
| 179 | SAMPLE | 504078-010 | 691573 | 249402 |
| 180 | BLANK  | QC1135504  | 706256 | 255426 |
| 181 | LCS    | QC1135505  | 701258 | 254648 |
| 182 | CCV    |            | 717884 | 256532 |
| 183 | CCB    |            | 735706 | 262662 |
| 184 | SAMPLE | 503612-001 | 702921 | 254181 |
| 185 | SAMPLE | 504079-001 | 682217 | 243710 |
| 186 | SAMPLE | 504105-001 | 697600 | 249777 |
| 187 | SAMPLE | 504105-002 | 709771 | 257781 |
| 188 | SAMPLE | 504105-003 | 707845 | 256149 |
| 189 | SAMPLE | 504105-004 | 701616 | 254697 |
| 190 | SAMPLE | 504105-005 | 688010 | 247996 |

| Date: 03/11/24<br>Sequence: MET09 03/11/24 |        |            | Reference: icp data<br>Analyzed: 03/11/24 11:20 |        |
|--------------------------------------------|--------|------------|-------------------------------------------------|--------|
| #                                          | Type   | Sample ID  | Y A                                             | Y R    |
| 191                                        | SAMPLE | 504105-006 | 696666                                          | 250962 |
| 192                                        | SAMPLE | 504105-007 | 702593                                          | 253839 |
| 193                                        | SAMPLE | 504105-008 | 744530                                          | 269246 |
| 194                                        | CCV    |            | 722048                                          | 257886 |
| 195                                        | CCB    |            | 747834                                          | 265882 |
| 196                                        | MSS    | 504122-001 | 705240                                          | 254510 |
| 197                                        | MS     | QC1135506  | 697134                                          | 255195 |
| 198                                        | MSD    | QC1135507  | 697702                                          | 254732 |
| 199                                        | PDS    | QC1135508  | 700361                                          | 255491 |
| 200                                        | SAMPLE | 504122-003 | 697855                                          | 256030 |
| 201                                        | SAMPLE | 504122-005 | 700604                                          | 256300 |
| 202                                        | SAMPLE | 504122-007 | 696490                                          | 252961 |
| 203                                        | SAMPLE | 504122-009 | 696847                                          | 251066 |
| 204                                        | SAMPLE | 504122-011 | 693366                                          | 251744 |
| 205                                        | SAMPLE | 504122-013 | 705195                                          | 256879 |
| 206                                        | CCV    |            | 719594                                          | 258349 |
| 207                                        | CCB    |            | 741461                                          | 266516 |
| 208                                        | SAMPLE | 504122-015 | 695026                                          | 251720 |
| 209                                        | SAMPLE | 504122-017 | 695707                                          | 251037 |
| 210                                        | SAMPLE | 504073-020 | 729878                                          | 263887 |



|                |              |         |                   |
|----------------|--------------|---------|-------------------|
| Instrument:    | MET09        | Date:   | 11-MAR-2024 11:20 |
| Calibration #: | 674102920001 | X Axis: | R                 |
| Units:         | mg/L         |         |                   |

| Level | File     | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------|--------------|-----------|-------------------|-----------|
| L1    | icp data | 674102920002 | L1        | 11-MAR-2024 11:23 | S19988    |
| L2    | icp data | 674102920003 | L2        | 11-MAR-2024 11:26 | S19987    |
| L3    | icp data | 674102920004 | L3        | 11-MAR-2024 11:29 | S19986    |
| L4    | icp data | 674102920005 | L4        | 11-MAR-2024 11:32 | S19985    |
| L5    | icp data | 674102920006 | L5        | 11-MAR-2024 11:35 | S19984    |
| L6    | icp data | 674102920007 | L6        | 11-MAR-2024 11:38 | S19983    |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.04834 | 1.71E-4 |    | -13253 | 1.000          |      | 7 | 0.995              |       |

Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -78476 | -21477 | 3084.8 | 5727.7 | 5807.6 | 5817.0 |

| Spiked Amounts / Drifts | Ch | L1     | %D | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | 9  | 0.0100 | 16 | 0.1000 | 1  | 1.0000 | 3  | 5.0000 | 0  | 10.000 | 0  |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504073 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET09          | Cal Date: 11-MAR-2024 |
| Calnum: 674102920001 |                       |

- ICV 674102920010 (11-MAR-2024) stds: S20103

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.005 | mg/L  | 1  | 10  |       |



ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920012 | File: icp data          |
| Cal: 674102920002    | Time: 11-MAR-2024 11:54 |
| Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 744090 | 0.04   |
| Yttrium             | R  | 260012        | 264888 | 1.88   |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920014 | File: icp data          |
| Cal: 674102920002    | Time: 11-MAR-2024 12:03 |
| Caldate: 11-MAR-2024 |                         |

Standards: S20136

| Analyte | Ch | Quant      | IQL      | Units | Flags |
|---------|----|------------|----------|-------|-------|
| Lead    | A  | [0.002153] | 0.003333 | mg/L  |       |

| Interferent        | Ch | Spiked | Quant | Units | %Rec | Flags |
|--------------------|----|--------|-------|-------|------|-------|
| Aluminum           | A  | 400.0  | 391.8 | mg/L  | 98   |       |
| Aluminum as Al2O3  | A  | 755.8  | 740.3 | mg/L  | 98   |       |
| Iron               | A  | 160.0  | 142.7 | mg/L  | 89   |       |
| Iron as Fe2O3      | A  | 228.8  | 204.0 | mg/L  | 89   |       |
| Calcium            | R  | 400.0  | 383.1 | mg/L  | 96   |       |
| Calcium as CaCO3   | R  | 998.9  | 956.6 | mg/L  | 96   |       |
| Magnesium          | R  | 400.0  | 398.5 | mg/L  | 100  |       |
| Magnesium as MgCO3 | R  | 1388   | 1383  | mg/L  | 100  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 674502 | -9.32  |
| Yttrium             | R  | 260012        | 238971 | -8.09  |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920016 | File: icp data          |
| Cal: 674102920002    | Time: 11-MAR-2024 12:11 |
| Caldate: 11-MAR-2024 |                         |

Standards: S20133

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.028 | mg/L  | 3  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 672110 | -9.64  |
| Yttrium             | R  | 260012        | 239703 | -7.81  |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920122 | File: icp data       | Time: 11-MAR-2024 17:43 |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253         | 5739.6    | 1.000  | 1.011 | mg/L  | 1  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 726253 | -2.36  |
| Yttrium             | R  | 260012        | 253783 | -2.40  |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920123 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 17:47 |
| Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 746878 | 0.42   |
| Yttrium             | R  | 260012        | 264896 | 1.88   |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920134 | File: icp data       | Time: 11-MAR-2024 19:45 |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253         | 5897.7    | 1.000  | 1.038 | mg/L  | 4  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 716896 | -3.62  |
| Yttrium             | R  | 260012        | 253834 | -2.38  |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920135 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 19:49 |
| Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 736097 | -1.03  |
| Yttrium             | R  | 260012        | 259916 | -0.04  |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920146 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 20:23 |
| Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253         | 5890.8    | 1.000  | 1.036 | mg/L  | 4  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 716960 | -3.61  |
| Yttrium             | R  | 260012        | 253363 | -2.56  |



ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920147 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 20:26 |
| Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 735212 | -1.15  |
| Yttrium             | R  | 260012        | 262018 | 0.77   |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920158 | File: icp data       | Time: 11-MAR-2024 21:00 |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253         | 5878.3    | 1.000  | 1.034 | mg/L  | 3  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 716171 | -3.71  |
| Yttrium             | R  | 260012        | 252850 | -2.75  |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920159 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 21:03 |
| Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 741381 | -0.32  |
| Yttrium             | R  | 260012        | 260099 | 0.03   |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/12/24 08:50

| #   | File     | Type    | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | Std Used |                  |
|-----|----------|---------|------------|----------|--------|----------------|-----|----------|------------------|
| 001 | icp data | ICALBLK |            |          |        | 03/12/24 08:50 | 1.0 |          |                  |
| 002 | icp data | ICAL    | L1         |          |        | 03/12/24 08:53 | 1.0 | 1        |                  |
| 003 | icp data | ICAL    | L2         |          |        | 03/12/24 08:56 | 1.0 | 2        |                  |
| 004 | icp data | ICAL    | L3         |          |        | 03/12/24 08:59 | 1.0 | 3        |                  |
| 005 | icp data | ICAL    | L4         |          |        | 03/12/24 09:03 | 1.0 | 4        |                  |
| 006 | icp data | ICAL    | L5         |          |        | 03/12/24 09:06 | 1.0 | 5        |                  |
| 007 | icp data | ICAL    | L6         |          |        | 03/12/24 09:09 | 1.0 | 6        |                  |
| 008 | icp data | ICAL    | L7         |          |        | 03/12/24 09:12 | 1.0 | 7        |                  |
| 009 | icp data | ICAL    | L8         |          |        | 03/12/24 09:15 | 1.0 | 8        |                  |
| 010 | icp data | ICV     |            |          |        | 03/12/24 09:18 | 1.0 | 9        |                  |
| 011 | icp data | ICV     |            |          |        | 03/12/24 09:21 | 1.0 | 10       |                  |
| 012 | icp data | ICB     |            |          |        | 03/12/24 09:24 | 1.0 |          |                  |
| 013 | icp data | CRI     |            |          |        | 03/12/24 09:28 | 1.0 | 11       |                  |
| 014 | icp data | ICSA    |            |          |        | 03/12/24 09:31 | 1.0 | 12       | 6:MGASMGCO3=1400 |
| 015 | icp data | ICSAB   |            |          |        | 03/12/24 09:34 | 1.0 | 13       | 6:MGASMGCO3=1400 |
| 016 | icp data | BLANK   | QC1135183  | Soil     | 334994 | 03/12/24 09:37 | 1.0 | 14       |                  |
| 017 | icp data | SAMPLE  | 504073-020 | Wipe     | 335079 | 03/12/24 09:40 | 5.0 | 14       | 1:FE=20          |
| 018 | icp data | BLANK   | QC1135460  | Filtrate | 335075 | 03/12/24 09:43 | 1.0 | 14       |                  |
| 019 | icp data | BLANK   | QC1135466  | Filtrate | 335075 | 03/12/24 09:46 | 1.0 | 14       |                  |
| 020 | icp data | LCS     | QC1135461  | Filtrate | 335075 | 03/12/24 09:49 | 1.0 | 14       |                  |
| 021 | icp data | SAMPLE  | 504041-001 | Filtrate | 335075 | 03/12/24 09:53 | 1.0 | 14       |                  |
| 022 | icp data | SAMPLE  | 504041-002 | Filtrate | 335075 | 03/12/24 09:56 | 1.0 | 14       |                  |
| 023 | icp data | SAMPLE  | 504041-003 | Filtrate | 335075 | 03/12/24 09:59 | 1.0 | 14       |                  |
| 024 | icp data | MSS     | 504083-001 | Filtrate | 335075 | 03/12/24 10:02 | 1.0 | 14       |                  |
| 025 | icp data | CCV     |            |          |        | 03/12/24 10:05 | 1.0 | 9        |                  |
| 026 | icp data | CCB     |            |          |        | 03/12/24 10:08 | 1.0 |          |                  |
| 027 | icp data | MS      | QC1135462  | Filtrate | 335075 | 03/12/24 10:11 | 1.0 | 14       |                  |
| 028 | icp data | MSD     | QC1135463  | Filtrate | 335075 | 03/12/24 10:14 | 1.0 | 14       |                  |
| 029 | icp data | MSS     | 504083-002 | Filtrate | 335075 | 03/12/24 10:18 | 1.0 | 14       |                  |
| 030 | icp data | MS      | QC1135464  | Filtrate | 335075 | 03/12/24 10:21 | 1.0 | 14       |                  |
| 031 | icp data | MSD     | QC1135465  | Filtrate | 335075 | 03/12/24 10:24 | 1.0 | 14       |                  |
| 032 | icp data | SAMPLE  | 504083-003 | Filtrate | 335075 | 03/12/24 10:27 | 1.0 | 14       |                  |
| 033 | icp data | CCV     |            |          |        | 03/12/24 10:30 | 1.0 | 9        |                  |
| 034 | icp data | CCB     |            |          |        | 03/12/24 10:33 | 1.0 |          |                  |

SBW 03/12/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 026.

## Standards Used:

1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20134 8=S19713 9=S20103 10=S19921 11=S20132 12=S20136 13=S20133 14=S16862

| Date: 03/12/24           |        |             | Reference: icp data      |        |
|--------------------------|--------|-------------|--------------------------|--------|
| Sequence: MET09 03/12/24 |        |             | Analyzed: 03/12/24 08:50 |        |
| #                        | Type   | Sample ID   | Y A                      | Y R    |
|                          |        | ICALBLK STD | 844392                   | 268726 |
|                          |        | LOWER LIMIT | 253318                   | 80618  |
|                          |        | UPPER LIMIT | 1688785                  | 537452 |
| 012                      | ICB    |             | 813805                   | 283612 |
| 014                      | ICSA   |             | 736622                   | 254485 |
| 015                      | ICSAB  |             | 736304                   | 253876 |
| 016                      | BLANK  | QC1135183   | 795281                   | 285169 |
| 017                      | SAMPLE | 504073-020  | 791394                   | 279158 |
| 018                      | BLANK  | QC1135460   | 832338                   | 284470 |
| 019                      | BLANK  | QC1135466   | 830834                   | 284948 |
| 020                      | LCS    | QC1135461   | 787142                   | 271639 |
| 021                      | SAMPLE | 504041-001  | 809249                   | 274871 |
| 022                      | SAMPLE | 504041-002  | 807820                   | 276892 |
| 023                      | SAMPLE | 504041-003  | 814239                   | 282694 |
| 024                      | MSS    | 504083-001  | 810675                   | 281380 |
| 025                      | CCV    |             | 778554                   | 268760 |
| 026                      | CCB    |             | 803918                   | 279667 |
| 027                      | MS     | QC1135462   | 805819                   | 276756 |
| 028                      | MSD    | QC1135463   | 805008                   | 278378 |
| 029                      | MSS    | 504083-002  | 810385                   | 282700 |
| 030                      | MS     | QC1135464   | 802235                   | 278853 |
| 031                      | MSD    | QC1135465   | 801423                   | 277519 |
| 032                      | SAMPLE | 504083-003  | 812491                   | 279884 |
| 033                      | CCV    |             | 777728                   | 268793 |
| 034                      | CCB    |             | 802515                   | 280035 |

|                |              |         |                   |
|----------------|--------------|---------|-------------------|
| Instrument:    | MET09        | Date:   | 12-MAR-2024 08:50 |
| Calibration #: | 674104210001 | X Axis: | R                 |
| Units:         | mg/L         |         |                   |

| Level | File     | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------|--------------|-----------|-------------------|-----------|
| L1    | icp data | 674104210002 | L1        | 12-MAR-2024 08:53 | S19988    |
| L2    | icp data | 674104210003 | L2        | 12-MAR-2024 08:56 | S19987    |
| L3    | icp data | 674104210004 | L3        | 12-MAR-2024 08:59 | S19986    |
| L4    | icp data | 674104210005 | L4        | 12-MAR-2024 09:03 | S19985    |
| L5    | icp data | 674104210006 | L5        | 12-MAR-2024 09:06 | S19984    |
| L6    | icp data | 674104210007 | L6        | 12-MAR-2024 09:09 | S19983    |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.04229 | 1.48E-4 |    | -12343 | 1.000          |      | 7 | 0.995              |       |

Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -77580 | -20800 | 4215.2 | 6695.7 | 6651.8 | 6762.5 |

| Spiked Amounts / Drifts | Ch | L1     | %D | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | 24 | 0.0100 | 16 | 0.1000 | 4  | 1.0000 | 3  | 5.0000 | -1 | 10.000 | 0  |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504073 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET09          | Cal Date: 12-MAR-2024 |
| Calnum: 674104210001 |                       |

- ICV 674104210010 (12-MAR-2024) stds: S20103

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.022 | mg/L  | 2  | 10  |       |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674104210012 | File: icp data       | Time: 12-MAR-2024 09:24 |
| Cal: 674104210001    | Caldate: 12-MAR-2024 |                         |

| Analyte | Ch | Quant      | IQL      | LOD | Units | Flags |
|---------|----|------------|----------|-----|-------|-------|
| Lead    | A  | [0.001841] | 0.003333 | --- | mg/L  | !!CB  |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 813805 | -3.62  |
| Yttrium             | R  | 268726        | 283612 | 5.54   |

!=warning ICB=instrument blank



ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | File: icp data       | IDF: 1.0                |
| Seqnum: 674104210014 | Caldate: 12-MAR-2024 | Time: 12-MAR-2024 09:31 |
| Cal: 674104210001    |                      |                         |

Standards: S20136

| Analyte | Ch | Quant    | IQL      | Units | Flags  |
|---------|----|----------|----------|-------|--------|
| Lead    | A  | 0.009003 | 0.003333 | mg/L  | a+ *** |

| Interferent        | Ch | Spiked | Quant | Units | %Rec | Flags |
|--------------------|----|--------|-------|-------|------|-------|
| Aluminum           | A  | 400.0  | 400.3 | mg/L  | 100  |       |
| Aluminum as Al2O3  | A  | 755.8  | 756.3 | mg/L  | 100  |       |
| Iron               | A  | 160.0  | 143.3 | mg/L  | 90   |       |
| Iron as Fe2O3      | A  | 228.8  | 204.9 | mg/L  | 90   |       |
| Calcium            | R  | 400.0  | 373.9 | mg/L  | 93   |       |
| Calcium as CaCO3   | R  | 998.9  | 933.6 | mg/L  | 93   |       |
| Magnesium          | R  | 400.0  | 394.9 | mg/L  | 99   |       |
| Magnesium as MgCO3 | R  | 1388   | 1370  | mg/L  | 99   |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 736622 | -12.76 |
| Yttrium             | R  | 268726        | 254485 | -5.30  |

+ = high bias a = ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674104210015 | File: icp data          |
| Cal: 674104210001    | Time: 12-MAR-2024 09:34 |
| Caldate: 12-MAR-2024 |                         |

Standards: S20133

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.055 | mg/L  | 6  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 736304 | -12.80 |
| Yttrium             | R  | 268726        | 253876 | -5.53  |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674104210025 | File: icp data          |
| Cal: 674104210001    | Time: 12-MAR-2024 10:05 |
| Caldate: 12-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -12343         | 6584.3    | 1.000  | 1.000 | mg/L  | 0  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 778554 | -7.80  |
| Yttrium             | R  | 268726        | 268760 | 0.01   |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674104210026 | File: icp data          |
| Cal: 674104210001    | Time: 12-MAR-2024 10:08 |
| Caldate: 12-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 803918 | -4.79  |
| Yttrium             | R  | 268726        | 279667 | 4.07   |

SAMPLE PREPARATION SUMMARY

|                 |                              |                  |
|-----------------|------------------------------|------------------|
| Batch #: 335079 | Prep Date: 11-MAR-2024 16:26 | Started By: SFS  |
| Analysis: ICP   | Method: 3050B                | Finished By: MLL |

| Sample          | Matrix | Initial    | Final | Prep DF | pH | Spike S19372 | Spike S19373 | Analysis |
|-----------------|--------|------------|-------|---------|----|--------------|--------------|----------|
| 504066-001      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504066-002      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504066-003      | Wipe   | 1.069 ft2  | 50 mL | 46.77   |    |              |              | 6010     |
| 504066-004      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504066-005      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504066-006      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504066-007      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504066-008      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-002      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-003      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-005      | Wipe   | 1.02 ft2   | 50 mL | 49.02   |    |              |              | 6010     |
| 504073-008      | Wipe   | 1.01 ft2   | 50 mL | 49.50   |    |              |              | 6010     |
| 504073-010      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-012      | Wipe   | 1.0414 ft2 | 50 mL | 48.01   |    |              |              | 6010     |
| 504073-014      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-016      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-018      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-020      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 504073-022      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| QC1135479 BLANK | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | ICP      |
| QC1135480 BS    | Wipe   | 1 ft2      | 50 mL | 50.0    |    | .5 mL        | .5 mL        | ICP      |
| QC1135481 BSD   | Wipe   | 1 ft2      | 50 mL | 50.0    |    | .5 mL        | .5 mL        | ICP      |

**Analyst:** SBW 03/12/24

**Reviewer:** KLN 03/12/24

# ICP and ICP-MS Prep Log for Soil/Misc.

Therm ID/Corr Factor: 24269 / 0  
 QC Batch #: 335079  
 HotBlock Temp (Obs/Corr), °C: 95 / 95  
 HotBlock ID: 3

Initials: ML / Prep Method: 3050B / 3051 / Other: \_\_\_\_\_  
 Prep Start, Date/Time: 3/11/24 16:26 Prep End, Date/Time: 3/11/24 17:30

| Sample ID   | Bottle #   | Sample pH (Water Only) | Sample Appearance | Initial Weight SS (g) ± 0.2 | Bal. ID | Final Vol (mL) | Digestion Tube Lot# | Comment                 |
|-------------|------------|------------------------|-------------------|-----------------------------|---------|----------------|---------------------|-------------------------|
| Blank       |            |                        |                   |                             |         | 50             | W00160000190        | Filtered post Digestion |
| LCS         |            |                        |                   |                             |         |                |                     |                         |
| UCSD        | AS 3/11/24 |                        |                   | 1.0000                      |         |                |                     |                         |
| 504066-1    | A          |                        | Wipe              | ↓                           |         |                |                     |                         |
| -2          |            |                        |                   | 1.0690                      |         |                |                     |                         |
| -3          |            |                        |                   | 1.0000                      |         |                |                     |                         |
| -4          |            |                        |                   |                             |         |                |                     |                         |
| -5          |            |                        |                   |                             |         |                |                     |                         |
| -6          |            |                        |                   |                             |         |                |                     |                         |
| -7          |            |                        |                   |                             |         |                |                     |                         |
| -8          |            |                        |                   |                             |         |                |                     |                         |
| 073-2       |            |                        |                   | 1.0000                      |         |                |                     |                         |
| -3          |            |                        |                   | ↓                           |         |                |                     |                         |
| -5          |            |                        |                   | 1.0200                      |         |                |                     |                         |
| -8          |            |                        |                   | 1.0100                      |         |                |                     |                         |
| -10         |            |                        |                   | 1.0000                      |         |                |                     |                         |
| -12         |            |                        |                   | 1.0414                      |         |                |                     |                         |
| -14         |            |                        |                   | 1.0000                      |         |                |                     |                         |
| -16         |            |                        |                   |                             |         |                |                     |                         |
| -18         |            |                        |                   |                             |         |                |                     |                         |
| -20         |            |                        |                   |                             |         |                |                     |                         |
| -22         |            |                        |                   |                             |         |                |                     |                         |
| RMS 3/11/24 |            |                        |                   |                             |         |                |                     |                         |

Hydrochloric Acid ID: 10 mL 24006802  
 Nitric Acid ID: 10 mL 2023040845  
 H<sub>2</sub>O<sub>2</sub> ID: 3 mL 303303  
 LCS Spike ID: 5 mL 519372, 519373  
 MS/MSD Spike ID: \_\_\_\_\_  
 Gold Std ID: \_\_\_\_\_

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ICP & ICP-MS Soil Prep Log, Rev. 1, 12/18/2023

## ICP Raw Data

Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type    | Sample ID  | Matrix         | Batch  | Analyzed       | IDF | Stds Used |                  |
|-----|----------|---------|------------|----------------|--------|----------------|-----|-----------|------------------|
| 001 | icp data | ICALBLK |            |                |        | 03/11/24 11:20 | 1.0 |           |                  |
| 002 | icp data | ICAL    | L1         |                |        | 03/11/24 11:23 | 1.0 | 1         |                  |
| 003 | icp data | ICAL    | L2         |                |        | 03/11/24 11:26 | 1.0 | 2         |                  |
| 004 | icp data | ICAL    | L3         |                |        | 03/11/24 11:29 | 1.0 | 3         |                  |
| 005 | icp data | ICAL    | L4         |                |        | 03/11/24 11:32 | 1.0 | 4         |                  |
| 006 | icp data | ICAL    | L5         |                |        | 03/11/24 11:35 | 1.0 | 5         |                  |
| 007 | icp data | ICAL    | L6         |                |        | 03/11/24 11:38 | 1.0 | 6         |                  |
| 008 | icp data | ICAL    | L7         |                |        | 03/11/24 11:41 | 1.0 | 7         |                  |
| 009 | icp data | ICAL    | L8         |                |        | 03/11/24 11:44 | 1.0 | 8         |                  |
| 010 | icp data | ICV     |            |                |        | 03/11/24 11:48 | 1.0 | 9         |                  |
| 011 | icp data | ICV     |            |                |        | 03/11/24 11:51 | 1.0 | 10        |                  |
| 012 | icp data | ICB     |            |                |        | 03/11/24 11:54 | 1.0 |           |                  |
| 013 | icp data | CRI     |            |                |        | 03/11/24 11:57 | 1.0 | 11        |                  |
| 014 | icp data | ICSA    |            |                |        | 03/11/24 12:03 | 1.0 | 12        | 6:MGASMGCO3=1400 |
| 015 | icp data | XICSAB  |            |                |        | 03/11/24 12:06 | 1.0 | 13        | 6:MGASMGCO3=1400 |
| 016 | icp data | ICSAB   |            |                |        | 03/11/24 12:11 | 1.0 | 13        | 6:MGASMGCO3=1400 |
| 017 | icp data | BLANK   | QC1135213  | Water          | 335000 | 03/11/24 12:14 | 1.0 | 14        |                  |
| 018 | icp data | LCS     | QC1135214  | Water          | 335000 | 03/11/24 12:18 | 1.0 | 14        |                  |
| 019 | icp data | MSS     | 504041-001 | Water          | 335000 | 03/11/24 12:21 | 1.0 | 14        |                  |
| 020 | icp data | MS      | QC1135215  | Water          | 335000 | 03/11/24 12:24 | 1.0 | 14        |                  |
| 021 | icp data | MSD     | QC1135216  | Water          | 335000 | 03/11/24 12:27 | 1.0 | 14        |                  |
| 022 | icp data | SAMPLE  | 504041-002 | Water          | 335000 | 03/11/24 12:30 | 1.0 | 14        |                  |
| 023 | icp data | CCV     |            |                |        | 03/11/24 12:33 | 1.0 | 10        |                  |
| 024 | icp data | CCB     |            |                |        | 03/11/24 12:36 | 1.0 |           |                  |
| 025 | icp data | BLANK   | QC1135322  | Drinking Water | 335027 | 03/11/24 12:39 | 1.0 | 14        |                  |
| 026 | icp data | LCS     | QC1135323  | Drinking Water | 335027 | 03/11/24 12:43 | 1.0 | 14        |                  |
| 027 | icp data | MSS     | 504041-003 | Drinking Water | 335027 | 03/11/24 12:46 | 1.0 | 14        |                  |
| 028 | icp data | MS      | QC1135324  | Drinking Water | 335027 | 03/11/24 12:49 | 1.0 | 14        |                  |
| 029 | icp data | MSD     | QC1135325  | Drinking Water | 335027 | 03/11/24 12:52 | 1.0 | 14        |                  |
| 030 | icp data | CCV     |            |                |        | 03/11/24 12:55 | 1.0 | 10        |                  |
| 031 | icp data | CCB     |            |                |        | 03/11/24 12:58 | 1.0 |           |                  |
| 032 | icp data | CCV     |            |                |        | 03/11/24 13:01 | 1.0 | 9         |                  |
| 033 | icp data | CCB     |            |                |        | 03/11/24 13:04 | 1.0 |           |                  |
| 034 | icp data | BLANK   | QC1135322  | Drinking Water | 335027 | 03/11/24 13:07 | 1.0 | 14        |                  |
| 035 | icp data | LCS     | QC1135323  | Drinking Water | 335027 | 03/11/24 13:11 | 1.0 | 14        |                  |
| 036 | icp data | MSS     | 504041-003 | Drinking Water | 335027 | 03/11/24 13:14 | 1.0 | 14        |                  |
| 037 | icp data | MS      | QC1135324  | Drinking Water | 335027 | 03/11/24 13:17 | 1.0 | 14        |                  |
| 038 | icp data | MSD     | QC1135325  | Drinking Water | 335027 | 03/11/24 13:20 | 1.0 | 14        |                  |
| 039 | icp data | SAMPLE  | 503916-010 | Soil           | 334929 | 03/11/24 13:23 | 1.0 | 14        | 3:FE=250         |
| 040 | icp data | BLANK   | QC1135402  | Water          | 335051 | 03/11/24 13:26 | 1.0 | 14        |                  |
| 041 | icp data | LCS     | QC1135403  | Water          | 335051 | 03/11/24 13:29 | 1.0 | 14        |                  |
| 042 | icp data | SAMPLE  | 503916-022 | Water          | 335051 | 03/11/24 13:32 | 1.0 | 14        | 1:FE=24          |
| 043 | icp data | MSS     | 503916-027 | Water          | 335051 | 03/11/24 13:36 | 1.0 | 14        | 5:CAASCACO3=280  |
| 044 | icp data | CCV     |            |                |        | 03/11/24 13:39 | 1.0 | 9         |                  |
| 045 | icp data | CCB     |            |                |        | 03/11/24 13:42 | 1.0 |           |                  |
| 046 | icp data | MS      | QC1135404  | Water          | 335051 | 03/11/24 13:45 | 1.0 | 14        | 5:CAASCACO3=320  |
| 047 | icp data | MSD     | QC1135405  | Water          | 335051 | 03/11/24 13:48 | 1.0 | 14        | 5:CAASCACO3=320  |
| 048 | icp data | SAMPLE  | 504102-077 | Water          | 335051 | 03/11/24 13:51 | 1.0 | 14        |                  |
| 049 | icp data | BLANK   | QC1135361  | WET Leachate   | 335033 | 03/11/24 13:56 | 1.0 | 14        |                  |
| 050 | icp data | BLANK   | QC1135362  | WET Leachate   | 335033 | 03/11/24 13:59 | 1.0 | 14        |                  |
| 051 | icp data | BS      | QC1135364  | WET Leachate   | 335033 | 03/11/24 14:02 | 1.0 | 14        |                  |
| 052 | icp data | BSD     | QC1135365  | WET Leachate   | 335033 | 03/11/24 14:05 | 1.0 | 14        |                  |
| 053 | icp data | SAMPLE  | 501391-001 | WET Leachate   | 335033 | 03/11/24 14:08 | 1.0 | 14        |                  |
| 054 | icp data | SAMPLE  | 501652-007 | WET Leachate   | 335033 | 03/11/24 14:11 | 1.0 | 14        |                  |
| 055 | icp data | SAMPLE  | 501652-010 | WET Leachate   | 335033 | 03/11/24 14:15 | 1.0 | 14        |                  |



Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type    | Sample ID  | Matrix       | Batch  | Analyzed       | IDF | Stds Used |                 |
|-----|----------|---------|------------|--------------|--------|----------------|-----|-----------|-----------------|
| 056 | icp data | CCV     |            |              |        | 03/11/24 14:18 | 1.0 | 9         |                 |
| 057 | icp data | CCB     |            |              |        | 03/11/24 14:21 | 1.0 |           |                 |
| 058 | icp data | SAMPLE  | 502876-002 | WET Leachate | 335033 | 03/11/24 14:24 | 1.0 | 14        |                 |
| 059 | icp data | SAMPLE  | 502878-001 | WET Leachate | 335033 | 03/11/24 14:27 | 1.0 | 14        |                 |
| 060 | icp data | SAMPLE  | 502878-004 | WET Leachate | 335033 | 03/11/24 14:30 | 1.0 | 14        |                 |
| 061 | icp data | SAMPLE  | 502878-009 | WET Leachate | 335033 | 03/11/24 14:33 | 1.0 | 14        |                 |
| 062 | icp data | SAMPLE  | 503094-001 | WET Leachate | 335033 | 03/11/24 14:36 | 1.0 | 14        |                 |
| 063 | icp data | SAMPLE  | 503803-001 | WET Leachate | 335033 | 03/11/24 14:40 | 1.0 | 14        |                 |
| 064 | icp data | SAMPLE  | 503803-002 | WET Leachate | 335033 | 03/11/24 14:43 | 1.0 | 14        |                 |
| 065 | icp data | SAMPLE  | 504030-001 | WET Leachate | 335033 | 03/11/24 14:46 | 1.0 | 14        |                 |
| 066 | icp data | CCV     |            |              |        | 03/11/24 14:49 | 1.0 | 9         |                 |
| 067 | icp data | CCB     |            |              |        | 03/11/24 14:52 | 1.0 |           |                 |
| 068 | icp data | UNKNOWN | MB         |              |        | 03/11/24 14:55 | 1.0 | 14        |                 |
| 069 | icp data | UNKNOWN | MB         |              |        | 03/11/24 14:58 | 1.0 | 14        |                 |
| 070 | icp data | UNKNOWN | STD2       |              |        | 03/11/24 15:01 | 1.0 | 14        |                 |
| 071 | icp data | UNKNOWN | STD2       |              |        | 03/11/24 15:04 | 1.0 | 14        |                 |
| 072 | icp data | UNKNOWN | MB         |              |        | 03/11/24 15:08 | 1.0 | 14        |                 |
| 073 | icp data | UNKNOWN | MB         |              |        | 03/11/24 15:11 | 1.0 | 14        |                 |
| 074 | icp data | UNKNOWN | CRI        |              |        | 03/11/24 15:14 | 1.0 | 14        |                 |
| 075 | icp data | UNKNOWN | CRI        |              |        | 03/11/24 15:17 | 1.0 | 14        |                 |
| 076 | icp data | CCV     |            |              |        | 03/11/24 15:20 | 1.0 | 9         |                 |
| 077 | icp data | CCB     |            |              |        | 03/11/24 15:23 | 1.0 |           |                 |
| 078 | icp data | BLANK   | QC1135183  | Soil         | 334994 | 03/11/24 15:26 | 1.0 | 14        |                 |
| 079 | icp data | LCS     | QC1135184  | Soil         | 334994 | 03/11/24 15:29 | 1.0 | 14        |                 |
| 080 | icp data | SAMPLE  | 503945-004 | Soil         | 334994 | 03/11/24 15:33 | 1.0 | 14        | 3:FE=250        |
| 081 | icp data | SAMPLE  | 503947-004 | Soil         | 334994 | 03/11/24 15:36 | 1.0 | 14        | 2:FE=100        |
| 082 | icp data | MSS     | 504028-001 | Miscell.     | 334994 | 03/11/24 15:39 | 1.0 | 14        | 5:FEASFE2O3=210 |
| 083 | icp data | MS      | QC1135185  | Miscell.     | 334994 | 03/11/24 15:42 | 1.0 | 14        | 5:FEASFE2O3=210 |
| 084 | icp data | MSD     | QC1135186  | Miscell.     | 334994 | 03/11/24 15:45 | 1.0 | 14        | 5:FEASFE2O3=220 |
| 085 | icp data | PDS     | QC1135187  | Miscell.     | 334994 | 03/11/24 15:48 | 1.0 | 14        | 5:FEASFE2O3=210 |
| 086 | icp data | SAMPLE  | 504028-026 | Soil         | 334994 | 03/11/24 15:51 | 1.0 | 14        | 2:FE=160        |
| 087 | icp data | SAMPLE  | 504028-027 | Soil         | 334994 | 03/11/24 15:54 | 1.0 | 14        | 2:FE=180        |
| 088 | icp data | CCV     |            |              |        | 03/11/24 15:57 | 1.0 | 9         |                 |
| 089 | icp data | CCB     |            |              |        | 03/11/24 16:01 | 1.0 |           |                 |
| 090 | icp data | SAMPLE  | 504028-028 | Soil         | 334994 | 03/11/24 16:04 | 1.0 | 14        | 3:FE=190        |
| 091 | icp data | SAMPLE  | 504028-029 | Soil         | 334994 | 03/11/24 16:07 | 1.0 | 14        | 2:FE=130        |
| 092 | icp data | SAMPLE  | 504028-030 | Soil         | 334994 | 03/11/24 16:10 | 1.0 | 14        | 2:FE=150        |
| 093 | icp data | SAMPLE  | 504028-031 | Soil         | 334994 | 03/11/24 16:13 | 1.0 | 14        | 3:FE=190        |
| 094 | icp data | SAMPLE  | 504087-001 | Soil         | 334994 | 03/11/24 16:16 | 1.0 | 14        | 2:FE=160        |
| 095 | icp data | SAMPLE  | 504087-002 | Soil         | 334994 | 03/11/24 16:19 | 1.0 | 14        | 2:FE=120        |
| 096 | icp data | SAMPLE  | 504087-003 | Soil         | 334994 | 03/11/24 16:22 | 1.0 | 14        | 3:FE=200        |
| 097 | icp data | SAMPLE  | 504087-004 | Soil         | 334994 | 03/11/24 16:26 | 1.0 | 14        | 2:FE=120        |
| 098 | icp data | SAMPLE  | 504088-001 | Soil         | 334994 | 03/11/24 16:29 | 1.0 | 14        | 2:FE=150        |
| 099 | icp data | BLANK   | QC1135193  | Soil         | 334996 | 03/11/24 16:32 | 1.0 | 14        |                 |
| 100 | icp data | CCV     |            |              |        | 03/11/24 16:35 | 1.0 | 9         |                 |
| 101 | icp data | CCB     |            |              |        | 03/11/24 16:38 | 1.0 |           |                 |
| 102 | icp data | LCS     | QC1135194  | Soil         | 334996 | 03/11/24 16:41 | 1.0 | 14        |                 |
| 103 | icp data | MSS     | 504103-001 | Miscell.     | 334996 | 03/11/24 16:44 | 1.0 | 14        | 5:CAASCACO3=450 |
| 104 | icp data | MS      | QC1135195  | Miscell.     | 334996 | 03/11/24 16:47 | 1.0 | 14        | 6:CAASCACO3=440 |
| 105 | icp data | MSD     | QC1135196  | Miscell.     | 334996 | 03/11/24 16:50 | 1.0 | 14        | 5:CAASCACO3=410 |
| 106 | icp data | PDS     | QC1135197  | Miscell.     | 334996 | 03/11/24 16:54 | 1.0 | 14        | 5:CAASCACO3=440 |
| 107 | icp data | SAMPLE  | 504103-002 | Miscell.     | 334996 | 03/11/24 16:57 | 1.0 | 14        | 2:FE=140        |
| 108 | icp data | SAMPLE  | 504103-003 | Miscell.     | 334996 | 03/11/24 17:00 | 1.0 | 14        | 2:FE=110        |
| 109 | icp data | SAMPLE  | 504103-016 | Soil         | 334996 | 03/11/24 17:03 | 1.0 | 14        | 3:FE=200        |
| 110 | icp data | SAMPLE  | 504103-017 | Soil         | 334996 | 03/11/24 17:06 | 1.0 | 14        | 2:FE=200        |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type   | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | StdS Used |                 |
|-----|----------|--------|------------|----------|--------|----------------|-----|-----------|-----------------|
| 111 | icp data | SAMPLE | 504103-018 | Soil     | 334996 | 03/11/24 17:09 | 1.0 | 14        | 3:FE=240        |
| 112 | icp data | CCV    |            |          |        | 03/11/24 17:12 | 1.0 | 9         |                 |
| 113 | icp data | CCB    |            |          |        | 03/11/24 17:15 | 1.0 |           |                 |
| 114 | icp data | SAMPLE | 504104-001 | Miscell. | 334996 | 03/11/24 17:19 | 1.0 | 14        | 2:FE=94         |
| 115 | icp data | SAMPLE | 504104-002 | Miscell. | 334996 | 03/11/24 17:22 | 1.0 | 14        | 2:FE=120        |
| 116 | icp data | SAMPLE | 504104-003 | Miscell. | 334996 | 03/11/24 17:25 | 1.0 | 14        | 2:FE=100        |
| 117 | icp data | SAMPLE | 504104-004 | Miscell. | 334996 | 03/11/24 17:28 | 1.0 | 14        | 2:FE=94         |
| 118 | icp data | SAMPLE | 504104-021 | Soil     | 334996 | 03/11/24 17:31 | 1.0 | 14        | 2:FE=220        |
| 119 | icp data | SAMPLE | 504104-022 | Soil     | 334996 | 03/11/24 17:34 | 1.0 | 14        | 2:FE=170        |
| 120 | icp data | SAMPLE | 504104-023 | Soil     | 334996 | 03/11/24 17:37 | 1.0 | 14        | 2:FE=200        |
| 121 | icp data | SAMPLE | 504104-024 | Soil     | 334996 | 03/11/24 17:40 | 1.0 | 14        | 2:FE=190        |
| 122 | icp data | CCV    |            |          |        | 03/11/24 17:43 | 1.0 | 9         |                 |
| 123 | icp data | CCB    |            |          |        | 03/11/24 17:47 | 1.0 |           |                 |
| 124 | icp data | BLANK  | QC1135479  | Wipe     | 335079 | 03/11/24 19:14 | 1.0 | 14        |                 |
| 125 | icp data | BS     | QC1135480  | Wipe     | 335079 | 03/11/24 19:17 | 1.0 | 14        |                 |
| 126 | icp data | BSD    | QC1135481  | Wipe     | 335079 | 03/11/24 19:20 | 1.0 | 14        |                 |
| 127 | icp data | SAMPLE | 504066-001 | Wipe     | 335079 | 03/11/24 19:24 | 1.0 | 14        | 2:ZN=85         |
| 128 | icp data | SAMPLE | 504066-002 | Wipe     | 335079 | 03/11/24 19:27 | 1.0 | 14        | 3:FE=330        |
| 129 | icp data | SAMPLE | 504066-003 | Wipe     | 335079 | 03/11/24 19:30 | 1.0 | 14        | 2:FE=65         |
| 130 | icp data | SAMPLE | 504066-004 | Wipe     | 335079 | 03/11/24 19:33 | 1.0 | 14        | 2:ZN=55         |
| 131 | icp data | SAMPLE | 504066-005 | Wipe     | 335079 | 03/11/24 19:36 | 1.0 | 14        | 1:FE=47         |
| 132 | icp data | SAMPLE | 504066-006 | Wipe     | 335079 | 03/11/24 19:39 | 1.0 | 14        | 2:FE=60         |
| 133 | icp data | SAMPLE | 504066-007 | Wipe     | 335079 | 03/11/24 19:42 | 1.0 | 14        |                 |
| 134 | icp data | CCV    |            |          |        | 03/11/24 19:45 | 1.0 | 9         |                 |
| 135 | icp data | CCB    |            |          |        | 03/11/24 19:49 | 1.0 |           |                 |
| 136 | icp data | SAMPLE | 504066-008 | Wipe     | 335079 | 03/11/24 19:52 | 1.0 | 14        |                 |
| 137 | icp data | SAMPLE | 504073-002 | Wipe     | 335079 | 03/11/24 19:55 | 1.0 | 14        | 1:FE=160        |
| 138 | icp data | SAMPLE | 504073-003 | Wipe     | 335079 | 03/11/24 19:58 | 1.0 | 14        | 1:FE=110        |
| 139 | icp data | SAMPLE | 504073-005 | Wipe     | 335079 | 03/11/24 20:01 | 1.0 | 14        | 1:FE=70         |
| 140 | icp data | SAMPLE | 504073-008 | Wipe     | 335079 | 03/11/24 20:04 | 1.0 | 14        | 1:FE=78         |
| 141 | icp data | SAMPLE | 504073-010 | Wipe     | 335079 | 03/11/24 20:07 | 1.0 | 14        | 2:ZN=62         |
| 142 | icp data | SAMPLE | 504073-012 | Wipe     | 335079 | 03/11/24 20:10 | 1.0 | 14        | 1:FE=88         |
| 143 | icp data | SAMPLE | 504073-014 | Wipe     | 335079 | 03/11/24 20:13 | 1.0 | 14        | 1:FE=34         |
| 144 | icp data | SAMPLE | 504073-016 | Wipe     | 335079 | 03/11/24 20:17 | 1.0 | 14        | 1:FE=67         |
| 145 | icp data | SAMPLE | 504073-018 | Wipe     | 335079 | 03/11/24 20:20 | 1.0 | 14        | 1:FE=48         |
| 146 | icp data | CCV    |            |          |        | 03/11/24 20:23 | 1.0 | 9         |                 |
| 147 | icp data | CCB    |            |          |        | 03/11/24 20:26 | 1.0 |           |                 |
| 148 | icp data | SAMPLE | 504073-020 | Wipe     | 335079 | 03/11/24 20:29 | 1.0 | 14        | 3:ZN=99         |
| 149 | icp data | SAMPLE | 504073-022 | Wipe     | 335079 | 03/11/24 20:32 | 1.0 | 14        | 1:FE=68         |
| 150 | icp data | SAMPLE | 504066-002 | Wipe     | 335079 | 03/11/24 20:35 | 5.0 | 14        | 1:FE=79         |
| 151 | icp data | BLANK  | QC1135494  | Soil     | 335084 | 03/11/24 20:38 | 1.0 | 14        |                 |
| 152 | icp data | LCS    | QC1135495  | Soil     | 335084 | 03/11/24 20:42 | 1.0 | 14        |                 |
| 153 | icp data | SAMPLE | 504001-013 | Soil     | 335084 | 03/11/24 20:45 | 1.0 | 14        | 2:FE=220        |
| 154 | icp data | SAMPLE | 504001-014 | Soil     | 335084 | 03/11/24 20:48 | 1.0 | 14        | 2:FE=210        |
| 155 | icp data | SAMPLE | 504001-015 | Soil     | 335084 | 03/11/24 20:51 | 1.0 | 14        | 3:FE=220        |
| 156 | icp data | SAMPLE | 504001-016 | Soil     | 335084 | 03/11/24 20:54 | 1.0 | 14        | 3:FE=170        |
| 157 | icp data | SAMPLE | 504003-005 | Soil     | 335084 | 03/11/24 20:57 | 1.0 | 14        |                 |
| 158 | icp data | CCV    |            |          |        | 03/11/24 21:00 | 1.0 | 9         |                 |
| 159 | icp data | CCB    |            |          |        | 03/11/24 21:03 | 1.0 |           |                 |
| 160 | icp data | SAMPLE | 504040-002 | Soil     | 335084 | 03/11/24 21:07 | 1.0 | 14        | 2:FE=260        |
| 161 | icp data | MSS    | 504048-001 | Soil     | 335084 | 03/11/24 21:10 | 1.0 | 14        | 5:FEASFE2O3=330 |
| 162 | icp data | MS     | QC1135496  | Soil     | 335084 | 03/11/24 21:13 | 1.0 | 14        | 4:FEASFE2O3=440 |
| 163 | icp data | MSD    | QC1135497  | Soil     | 335084 | 03/11/24 21:16 | 1.0 | 14        | 5:ALASAL2O3=400 |
| 164 | icp data | PDS    | QC1135498  | Soil     | 335084 | 03/11/24 21:19 | 1.0 | 14        | 6:FEASFE2O3=320 |
| 165 | icp data | SAMPLE | 504048-002 | Soil     | 335084 | 03/11/24 21:22 | 1.0 | 14        | 2:FE=240        |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/11/24 11:20

| #   | File     | Type   | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | Std's Used |                 |
|-----|----------|--------|------------|----------|--------|----------------|-----|------------|-----------------|
| 166 | icp data | SAMPLE | 504068-001 | Soil     | 335084 | 03/11/24 21:25 | 1.0 | 14         | 2:FE=160        |
| 167 | icp data | SAMPLE | 504069-001 | Soil     | 335084 | 03/11/24 21:28 | 1.0 | 14         | 2:FE=160        |
| 168 | icp data | SAMPLE | 504078-001 | Soil     | 335084 | 03/11/24 21:32 | 1.0 | 14         | 3:FE=270        |
| 169 | icp data | SAMPLE | 504078-002 | Soil     | 335084 | 03/11/24 21:35 | 1.0 | 14         | 2:FE=250        |
| 170 | icp data | CCV    |            |          |        | 03/11/24 21:38 | 1.0 | 9          |                 |
| 171 | icp data | CCB    |            |          |        | 03/11/24 21:41 | 1.0 |            |                 |
| 172 | icp data | SAMPLE | 504078-003 | Soil     | 335084 | 03/11/24 21:44 | 1.0 | 14         | 2:FE=240        |
| 173 | icp data | SAMPLE | 504078-004 | Soil     | 335084 | 03/11/24 21:47 | 1.0 | 14         | 2:FE=220        |
| 174 | icp data | SAMPLE | 504078-005 | Soil     | 335084 | 03/11/24 21:50 | 1.0 | 14         | 2:FE=180        |
| 175 | icp data | SAMPLE | 504078-006 | Soil     | 335084 | 03/11/24 21:53 | 1.0 | 14         | 3:FE=220        |
| 176 | icp data | SAMPLE | 504078-007 | Soil     | 335084 | 03/11/24 21:57 | 1.0 | 14         | 3:FE=200        |
| 177 | icp data | SAMPLE | 504078-008 | Soil     | 335084 | 03/11/24 22:00 | 1.0 | 14         | 3:FE=230        |
| 178 | icp data | SAMPLE | 504078-009 | Soil     | 335084 | 03/11/24 22:03 | 1.0 | 14         | 3:FE=240        |
| 179 | icp data | SAMPLE | 504078-010 | Soil     | 335084 | 03/11/24 22:06 | 1.0 | 14         | 3:FE=230        |
| 180 | icp data | BLANK  | QC1135504  | Soil     | 335085 | 03/11/24 22:09 | 1.0 | 14         |                 |
| 181 | icp data | LCS    | QC1135505  | Soil     | 335085 | 03/11/24 22:12 | 1.0 | 14         |                 |
| 182 | icp data | CCV    |            |          |        | 03/11/24 22:15 | 1.0 | 9          |                 |
| 183 | icp data | CCB    |            |          |        | 03/11/24 22:18 | 1.0 |            |                 |
| 184 | icp data | SAMPLE | 503612-001 | Miscell. | 335085 | 03/11/24 22:22 | 1.0 | 14         | 2:FE=33         |
| 185 | icp data | SAMPLE | 504079-001 | Soil     | 335085 | 03/11/24 22:25 | 1.0 | 14         | 3:FE=200        |
| 186 | icp data | SAMPLE | 504105-001 | Soil     | 335085 | 03/11/24 22:28 | 1.0 | 14         | 2:FE=130        |
| 187 | icp data | SAMPLE | 504105-002 | Soil     | 335085 | 03/11/24 22:31 | 1.0 | 14         | 2:FE=180        |
| 188 | icp data | SAMPLE | 504105-003 | Soil     | 335085 | 03/11/24 22:34 | 1.0 | 14         | 2:FE=150        |
| 189 | icp data | SAMPLE | 504105-004 | Soil     | 335085 | 03/11/24 22:37 | 1.0 | 14         | 2:FE=120        |
| 190 | icp data | SAMPLE | 504105-005 | Soil     | 335085 | 03/11/24 22:40 | 1.0 | 14         | 2:FE=80         |
| 191 | icp data | SAMPLE | 504105-006 | Soil     | 335085 | 03/11/24 22:44 | 1.0 | 14         | 2:FE=85         |
| 192 | icp data | SAMPLE | 504105-007 | Soil     | 335085 | 03/11/24 22:47 | 1.0 | 14         | 2:FE=130        |
| 193 | icp data | SAMPLE | 504105-008 | Soil     | 335085 | 03/11/24 22:50 | 1.0 | 14         | 2:FE=220        |
| 194 | icp data | CCV    |            |          |        | 03/11/24 22:53 | 1.0 | 9          |                 |
| 195 | icp data | CCB    |            |          |        | 03/11/24 22:56 | 1.0 |            |                 |
| 196 | icp data | MSS    | 504122-001 | Soil     | 335085 | 03/11/24 22:59 | 1.0 | 14         | 5:FEASFE2O3=320 |
| 197 | icp data | MS     | QC1135506  | Soil     | 335085 | 03/11/24 23:02 | 1.0 | 14         | 5:ALASAL2O3=320 |
| 198 | icp data | MSD    | QC1135507  | Soil     | 335085 | 03/11/24 23:05 | 1.0 | 14         | 5:ALASAL2O3=330 |
| 199 | icp data | PDS    | QC1135508  | Soil     | 335085 | 03/11/24 23:09 | 1.0 | 14         | 5:FEASFE2O3=320 |
| 200 | icp data | SAMPLE | 504122-003 | Soil     | 335085 | 03/11/24 23:12 | 1.0 | 14         | 3:FE=220        |
| 201 | icp data | SAMPLE | 504122-005 | Soil     | 335085 | 03/11/24 23:15 | 1.0 | 14         | 3:FE=240        |
| 202 | icp data | SAMPLE | 504122-007 | Soil     | 335085 | 03/11/24 23:18 | 1.0 | 14         | 3:FE=230        |
| 203 | icp data | SAMPLE | 504122-009 | Soil     | 335085 | 03/11/24 23:21 | 1.0 | 14         | 3:FE=240        |
| 204 | icp data | SAMPLE | 504122-011 | Soil     | 335085 | 03/11/24 23:24 | 1.0 | 14         | 3:FE=230        |
| 205 | icp data | SAMPLE | 504122-013 | Soil     | 335085 | 03/11/24 23:27 | 1.0 | 14         | 3:FE=230        |
| 206 | icp data | CCV    |            |          |        | 03/11/24 23:30 | 1.0 | 9          |                 |
| 207 | icp data | CCB    |            |          |        | 03/11/24 23:34 | 1.0 |            |                 |
| 208 | icp data | SAMPLE | 504122-015 | Soil     | 335085 | 03/11/24 23:37 | 1.0 | 14         | 3:FE=210        |
| 209 | icp data | SAMPLE | 504122-017 | Soil     | 335085 | 03/11/24 23:40 | 1.0 | 14         | 3:FE=220        |
| 210 | icp data | SAMPLE | 504073-020 | Wipe     | 335079 | 03/11/24 23:43 | 5.0 | 14         | 1:FE=20         |

SBW 03/11/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 048.

SBW 03/12/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 049 through 210.

## Standards Used:

1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20134 8=S19713 9=S20103 10=S19921 11=S20132 12=S20136 13=S20133 14=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                             |
|----------------------|----------------------|---------------------------------------------|
| Inst: MET09          | Lab ID: 504073-002   | Client ID: ARCH-C14W-EXT-1 TO 2-240308-L-WF |
| Seqnum: 674102920137 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                      |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 19:55                     |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                             |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                               |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 4.722 | 240    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 678972       | -8.71  |

U=use

Label: 504073-002,335079

Rack/Tube: 2:49

Type: Sample

Date Time: 3/11/2024 7:55:15 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-------------------------|
| Ag 328.068 | Ag            | nbu   | -0.00014043     | -0.00014043   | mg/L  | 487.36388631     | 0.00031026       | 220.93238568        | 21.85205075     | 4.48            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.15820             |
| Al 396.152 | Al            | nb    | 3.47895364      | 3.47895364    | mg/L  | 108817.22354282  | 0.09098226       | 2.61521896          | 2803.09005210   | 2.58            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19509             |
| As 188.980 | As            | nb    | 0.03008474      | 0.03008474    | mg/L  | 141.84368876     | 0.00183109       | 6.08643336          | 6.93061232      | 4.89            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970806             |
| B 249.678  | B             | nb    | 0.01267785      | 0.01267785    | mg/L  | 491.83573931     | 0.00036349       | 2.86711343          | 12.05718846     | 2.45            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.77125             |
| Ba 230.424 | Ba            | nb    | 0.01478767      | 0.01478767    | mg/L  | 1393.19109249    | 0.00032923       | 2.22640987          | 24.97432062     | 1.79            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79779             |
| Be 313.107 | Be            | nb    | 0.00003646      | 0.00003646    | mg/L  | 139.54548655     | 0.00000324       | 8.87385475          | 6.97032724      | 5.00            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977             |
| Ca 317.933 | Ca-R          | nb    | 9.49804432      | 9.49804432    | mg/L  | 166273.39754389  | 0.05831427       | 0.61396085          | 1006.02812465   | 0.61            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.83335             |
| Cd 214.439 | Cd            | nb    | 0.00064971      | 0.00064971    | mg/L  | 438.16022008     | 0.00022612       | 34.80240546         | 32.16779053     | 7.34            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.3120             |
| Co 230.786 | Co            | nb    | 0.04425605      | 0.04425605    | mg/L  | 1839.76756221    | 0.00148149       | 3.34754122          | 48.87954933     | 2.66            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.51801             |
| Cr 267.716 | Cr            | nb    | 0.08999695      | 0.08999695    | mg/L  | 5238.53509236    | 0.00183326       | 2.03702283          | 99.79599649     | 1.91            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40269             |
| Cu 324.754 | Cu            | nb    | 0.46843044      | 0.46843044    | mg/L  | 15722.98936222   | 0.01140546       | 2.43482421          | 374.51058579    | 2.38            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.08530             |
| Fe 259.940 | Fe            | nbo   | 155.40278460    | 155.40278460  | mg/L  | 7896667.22398217 | 3.19880494       | 2.05839615          | 162542.97908823 | 2.06            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.65764             |
| K 766.491  | K-R           | nb    | 3.39356363      | 3.39356363    | mg/L  | 7023.87514722    | 0.01840463       | 0.54233940          | 37.51492591     | 0.53            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482             |
| Li 670.783 | Li-R          | nb    | 0.00312337      | 0.00312337    | mg/L  | 561.54992657     | 0.00034030       | 10.89524486         | 46.14574579     | 8.22            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.5183             |
| Mg 279.800 | Mg-R          | nb    | 4.31786051      | 4.31786051    | mg/L  | 13209.93837575   | 0.02461368       | 0.57004351          | 73.18608631     | 0.55            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202             |
| Mn 257.610 | Mn            | nb    | 1.32963103      | 1.32963103    | mg/L  | 509261.47011497  | 0.02654335       | 1.99629476          | 10148.73256574  | 1.99            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.5153             |
| Mo 204.598 | Mo            | nb    | 0.00276468      | 0.00276468    | mg/L  | 34.95848388      | 0.00044914       | 16.24579715         | 2.86286481      | 8.19            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.038357             |
| Na 589.592 | Na-R          | nb    | 4.12903231      | 4.12903231    | mg/L  | 59208.15151400   | 0.02653727       | 0.64269944          | 369.61190414    | 0.62            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.03181             |
| Ni 231.604 | Ni            | nb    | 0.11470951      | 0.11470951    | mg/L  | 2248.54479398    | 0.00267119       | 2.32865380          | 49.88992342     | 2.22            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.05884             |
| P 177.434  | P             | nb    | 0.87953677      | 0.87953677    | mg/L  | 2443.27077310    | 0.01503652       | 1.70959531          | 41.55486155     | 1.70            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.595777             |
| Pb 220.353 | Pb            | nb    | 4.72153165      | 4.72153165    | mg/L  | 27852.17542168   | 0.06748980       | 1.42940484          | 401.99053354    | 1.44            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.315223             |
| S 181.972  | S             | nb    | 3.73928012      | 3.73928012    | mg/L  | 6160.25134028    | 0.03117823       | 0.83380311          | 51.16564881     | 0.83            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.069502             |
| Sb 206.834 | Sb            | nbu   | -0.00697798     | -0.00697798   | mg/L  | -35.01887977     | 0.00337698       | 48.39487091         | 7.09638261      | 20.26           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.395963             |
| Se 196.026 | Se            | nb    | 0.00641477      | 0.00641477    | mg/L  | 54.40947438      | 0.00201840       | 31.46485209         | 5.26105074      | 9.67            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.548518             |
| Si 251.611 | Si            | nb    | 5.23767526      | 5.23767526    | mg/L  | 38964.91230976   | 0.07084165       | 1.35253991          | 525.90828420    | 1.35            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.716105             |
| Sn 189.925 | Sn            | nb    | 0.06969726      | 0.06969726    | mg/L  | 559.79092736     | 0.00100538       | 1.44249742          | 7.69760661      | 1.38            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.406152             |
| Sr 421.552 | Sr-R          | nb    | 0.01814866      | 0.01814866    | mg/L  | 10443.19474059   | 0.00020653       | 1.13799588          | 116.51114386    | 1.12            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0702             |
| Ti 334.941 | Ti            | nb    | 0.23908692      | 0.23908692    | mg/L  | 75015.53615181   | 0.00466382       | 1.95067764          | 1454.70331501   | 1.94            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.7380             |
| Tl 190.794 | Tl            | nb    | 0.00423650      | 0.00423650    | mg/L  | -11.63565562     | 0.00031236       | 7.37309866          | 0.76370121      | 6.56            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.927237             |
| V 292.401  | V             | nb    | 0.01079596      | 0.01079596    | mg/L  | 282.60670247     | 0.00047098       | 4.36251310          | 14.71343064     | 5.21            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.34252             |
| Zn 206.200 | Zn            | nb    | 17.85783456     | 17.85783456   | mg/L  | 760059.84321129  | 0.52020508       | 2.91303560          | 22077.37302411  | 2.90            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.74918             |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 678972.24        | 0.02             | 2.48                | 16846.44        | 2.48            |             | -                 | -               | -                       | Fitted                | -                           | -                       |
| Y 371.029  | Y-R           |       | 0.93            | 0.93          | Ratio | 241006.10        | 0.00             | 0.47                | 1123.94         | 0.47            |             | -                 | -               | -                       | Fitted                | -                           | -                       |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                                 |
|----------------------|----------------------|-------------------------------------------------|
| Inst: MET09          | Lab ID: 504073-003   | Client ID: ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF |
| Seqnum: 674102920138 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                          |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 19:58                         |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                                 |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                   |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 4.351 | 220    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 679829       | -8.60  |

U=use

|                   |                      |              |      |                              |        |
|-------------------|----------------------|--------------|------|------------------------------|--------|
| Label:            | 504073-003.335079    | Rack/Tube:   | 2:50 | Type:                        | Sample |
| Date Time:        | 3/11/2024 7:58:22 PM | Weight:      | 1    | Volume:                      | 1      |
| Dilution:         | 1                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -      |
| LIMS ID:          |                      | Customer:    |      | Customer Ref.:               |        |
| Sample Date Time: |                      | Sample Site: |      | Description:                 |        |
| Replicates:       | 3                    |              |      |                              |        |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-------------------------|
| Ag 328.068 | Ag            | n     | 0.00030059      | 0.00030059    | mg/L  | 522.73916663     | 0.00024751       | 82.34177841         | 17.43277203     | 3.33            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.158208            |
| Al 396.152 | Al            | n     | 3.23836599      | 3.23836599    | mg/L  | 101246.32343848  | 0.08947284       | 2.76290065          | 2756.58603423   | 2.72            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.195095            |
| As 188.980 | As            | n     | 0.02135518      | 0.02135518    | mg/L  | 105.34716911     | 0.00153698       | 7.19722604          | 5.81742624      | 5.52            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.9708067            |
| B 249.678  | B             | n     | 0.01274680      | 0.01274680    | mg/L  | 521.25651062     | 0.00044995       | 3.52992027          | 14.92525336     | 2.86            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.771250            |
| Ba 230.424 | Ba            | n     | 0.01322263      | 0.01322263    | mg/L  | 1277.05482794    | 0.00015790       | 1.19416702          | 11.97765461     | 0.94            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.797796            |
| Be 313.107 | Be            | n     | 0.00003810      | 0.00003810    | mg/L  | 148.31923291     | 0.00001737       | 45.59810922         | 37.42477390     | 25.23           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.9773            |
| Ca 317.933 | Ca-R          | n     | 9.12749388      | 9.12749388    | mg/L  | 159806.21084124  | 0.03549663       | 0.38889792          | 612.38201763    | 0.38            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.833350            |
| Cd 214.439 | Cd            | n     | 0.00033839      | 0.00033839    | mg/L  | 304.42853604     | 0.00004726       | 13.96528151         | 6.72288681      | 2.21            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.31205            |
| Co 230.786 | Co            | n     | 0.03185038      | 0.03185038    | mg/L  | 1390.56875751    | 0.00132589       | 4.16288129          | 43.74589798     | 3.15            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.518014            |
| Cr 267.716 | Cr            | n     | 0.06749653      | 0.06749653    | mg/L  | 4004.58698131    | 0.00138411       | 2.05063193          | 75.34571946     | 1.88            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.402690            |
| Cu 324.754 | Cu            | n     | 0.38437560      | 0.38437560    | mg/L  | 12979.86842795   | 0.00909987       | 2.36744208          | 298.80410011    | 2.30            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.085306            |
| Fe 259.940 | Fe            | no    | 114.28229518    | 114.28229518  | mg/L  | 5807184.13486370 | 2.66542302       | 2.33231492          | 135439.89266952 | 2.33            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.657640            |
| K 766.491  | K-R           | n     | 2.95049815      | 2.95049815    | mg/L  | 6106.25510384    | 0.00502507       | 0.17031255          | 10.24280582     | 0.17            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.3414821            |
| Li 670.783 | Li-R          | n     | 0.00244146      | 0.00244146    | mg/L  | 417.17485438     | 0.00065002       | 26.62422734         | 88.14514134     | 21.13           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830            |
| Mg 279.800 | Mg-R          | n     | 4.07898482      | 4.07898482    | mg/L  | 12410.94982284   | 0.01740253       | 0.42663881          | 51.74451925     | 0.42            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.3902029            |
| Mn 257.610 | Mn            | n     | 1.00893250      | 1.00893250    | mg/L  | 386487.39153591  | 0.02191637       | 2.17223320          | 8379.62452960   | 2.17            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.51530            |
| Mo 204.598 | Mo            | n     | 0.00221819      | 0.00221819    | mg/L  | 27.96431626      | 0.00157704       | 71.09589675         | 10.05213982     | 35.95           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.0383578            |
| Na 589.592 | Na-R          | n     | 3.81087399      | 3.81087399    | mg/L  | 54852.97376868   | 0.01497604       | 0.39298178          | 208.58676561    | 0.38            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.031818            |
| Ni 231.604 | Ni            | n     | 0.08620205      | 0.08620205    | mg/L  | 1707.29020706    | 0.00199754       | 2.31727837          | 37.30819767     | 2.19            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.058842            |
| P 177.434  | P             | n     | 0.84668242      | 0.84668242    | mg/L  | 2350.25475229    | 0.01332226       | 1.57346640          | 36.81735082     | 1.57            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.5957779            |
| Pb 220.353 | Pb            | n     | 4.35141817      | 4.35141817    | mg/L  | 25643.06263635   | 0.09662222       | 2.22047666          | 575.51242857    | 2.24            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.3152232            |
| S 181.972  | S             | n     | 3.28336835      | 3.28336835    | mg/L  | 5410.07692663    | 0.02016103       | 0.61403506          | 33.08565618     | 0.61            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.0695029            |
| Sb 206.834 | Sb            | nu    | -0.01150113     | -0.01150113   | mg/L  | -50.86052880     | 0.00125288       | 10.89354439         | 2.63279929      | 5.18            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.3959636            |
| Se 196.026 | Se            | n     | 0.00166358      | 0.00166358    | mg/L  | 50.02639942      | 0.00064527       | 38.78828870         | 1.68193826      | 3.36            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.5485187            |
| Si 251.611 | Si            | n     | 4.62359946      | 4.62359946    | mg/L  | 34409.15802270   | 0.05910662       | 1.27836805          | 438.79075203    | 1.28            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.7161055            |
| Sn 189.925 | Sn            | n     | 0.06506778      | 0.06506778    | mg/L  | 524.71462763     | 0.00156109       | 2.39917333          | 11.95233060     | 2.28            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.4061525            |
| Sr 421.552 | Sr-R          | n     | 0.01627899      | 0.01627899    | mg/L  | 9350.83169233    | 0.00010054       | 0.61762675          | 56.71995229     | 0.61            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.07025            |
| Ti 334.941 | Ti            | n     | 0.20148204      | 0.20148204    | mg/L  | 63275.15189291   | 0.02049045       | 10.16986232         | 6391.23111474   | 10.10           | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809            |
| Tl 190.794 | Tl            | n     | 0.00972862      | 0.00972862    | mg/L  | 2.41697187       | 0.00072945       | 7.49796151          | 1.78344759      | 73.79           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.9272374            |
| V 292.401  | V             | n     | 0.00858083      | 0.00858083    | mg/L  | 240.76963004     | 0.00038117       | 4.44208347          | 11.90781020     | 4.95            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.342522            |
| Zn 206.200 | Zn            | n     | 22.68562843     | 22.68562843   | mg/L  | 964335.93582892  | 0.65398866       | 2.88283248          | 27755.11485335  | 2.88            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183            |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 679829.01        | 0.02             | 2.32                | 15783.75        | 2.32            |             | -                 | -               | -                       | Fitted                | -                           | -                       |
| Y 371.029  | Y-R           |       | 0.93            | 0.93          | Ratio | 241928.96        | 0.01             | 0.68                | 1653.75         | 0.68            |             | -                 | -               | -                       | Fitted                | -                           | -                       |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: MET09          | Lab ID: 504073-005   | Client ID: ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA |
| Seqnum: 674102920139 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:01                                  |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                            |

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 2.017 | 99     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 682815       | -8.20  |

U=use



|                   |                      |              |      |                              |        |
|-------------------|----------------------|--------------|------|------------------------------|--------|
| Label:            | 504073-005.335079    | Rack/Tube:   | 2:51 | Type:                        | Sample |
| Date Time:        | 3/11/2024 8:01:29 PM | Weight:      | 1    | Volume:                      | 1      |
| Dilution:         | 1                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -      |
| LIMS ID:          |                      | Customer:    |      | Customer Ref.:               |        |
| Sample Date Time: |                      | Sample Site: |      | Description:                 |        |
| Replicates:       | 3                    |              |      |                              |        |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-------------------------|
| Ag 328.068 | Ag            | n     | 0.00113293      | 0.00113293    | mg/L  | 585.40569841     | 0.00030673       | 27.07371798         | 21.60330469     | 3.69            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082           |
| Al 396.152 | Al            | n     | 1.15185593      | 1.15185593    | mg/L  | 36808.88891362   | 0.04126438       | 3.58242542          | 1271.32232713   | 3.45            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956           |
| As 188.980 | As            | n     | 0.04196204      | 0.04196204    | mg/L  | 180.01082243     | 0.00069692       | 1.66082668          | 2.63780977      | 1.47            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675           |
| B 249.678  | B             | n     | 0.01339434      | 0.01339434    | mg/L  | 568.50815969     | 0.00035835       | 2.67537277          | 11.88669409     | 2.09            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503           |
| Ba 230.424 | Ba            | n     | 0.00913728      | 0.00913728    | mg/L  | 968.54323822     | 0.00044264       | 4.84436712          | 33.57707192     | 3.47            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962           |
| Be 313.107 | Be            | n     | 0.00005560      | 0.00005560    | mg/L  | 191.06515854     | 0.00003259       | 58.61678783         | 70.21799590     | 36.75           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733           |
| Ca 317.933 | Ca-R          | n     | 7.84863554      | 7.84863554    | mg/L  | 137656.50104024  | 0.01693809       | 0.21580934          | 292.21307642    | 0.21            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333506           |
| Cd 214.439 | Cd            | n     | 0.00042334      | 0.00042334    | mg/L  | 230.84283373     | 0.00001833       | 4.32991356          | 2.60768426      | 1.13            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052           |
| Co 230.786 | Co            | n     | 0.01139925      | 0.01139925    | mg/L  | 677.64092729     | 0.00063136       | 5.53861261          | 20.83078918     | 3.07            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180145           |
| Cr 267.716 | Cr            | n     | 0.03623856      | 0.03623856    | mg/L  | 2294.06847017    | 0.00077665       | 2.14316163          | 42.27808627     | 1.84            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026906           |
| Cu 324.754 | Cu            | n     | 3.66145960      | 3.66145960    | mg/L  | 120602.24724154  | 0.13257351       | 3.62078321          | 4353.19523708   | 3.61            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062           |
| Fe 259.940 | Fe            | no    | 70.49737146     | 70.49737146   | mg/L  | 3582309.47534708 | 2.24688147       | 3.18718475          | 114172.26593014 | 3.19            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400           |
| K 766.491  | K-R           | n     | 2.96727575      | 2.96727575    | mg/L  | 6126.09581436    | 0.02390919       | 0.80576227          | 48.73509034     | 0.80            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 308.34148216            |
| Li 670.783 | Li-R          | n     | 0.00216427      | 0.00216427    | mg/L  | 330.47039676     | 0.00026865       | 12.41274609         | 36.42924572     | 11.02           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.518307           |
| Mg 279.800 | Mg-R          | n     | 3.51083448      | 3.51083448    | mg/L  | 10636.77162155   | 0.00638296       | 0.18180737          | 18.97901871     | 0.18            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020295           |
| Mn 257.610 | Mn            | n     | 0.42687197      | 0.42687197    | mg/L  | 163788.73224058  | 0.01220594       | 2.85939116          | 4666.88622387   | 2.85            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304           |
| Mo 204.598 | Mo            | nu    | 0.00075520      | 0.00075520    | mg/L  | 15.13739710      | 0.00076361       | 101.11406148        | 4.86728464      | 32.15           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785           |
| Na 589.592 | Na-R          | n     | 3.48699155      | 3.48699155    | mg/L  | 50413.65370368   | 0.01034837       | 0.29677076          | 144.13244659    | 0.29            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181           |
| Ni 231.604 | Ni            | n     | 0.12311208      | 0.12311208    | mg/L  | 2388.03759959    | 0.00416698       | 3.38470671          | 77.82698425     | 3.26            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424           |
| P 177.434  | P             | n     | 0.77943648      | 0.77943648    | mg/L  | 2162.28363845    | 0.02133905       | 2.73775392          | 58.97251620     | 2.73            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577795           |
| Pb 220.353 | Pb            | n     | 2.01674778      | 2.01674778    | mg/L  | 11736.64475581   | 0.05838883       | 2.89519750          | 347.78228440    | 2.96            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326           |
| S 181.972  | S             | n     | 3.25747754      | 3.25747754    | mg/L  | 5365.53224954    | 0.04697826       | 1.44216685          | 77.09459211     | 1.44            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290           |
| Sb 206.834 | Sb            | nu    | -0.00215695     | -0.00215695   | mg/L  | -37.21206006     | 0.00085966       | 39.85541522         | 1.80648518      | 4.85            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362           |
| Se 196.026 | Se            | n     | 0.00344539      | 0.00344539    | mg/L  | 62.16604268      | 0.00099842       | 28.97846021         | 2.60243250      | 4.19            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876           |
| Si 251.611 | Si            | n     | 2.60176469      | 2.60176469    | mg/L  | 19402.28671482   | 0.07948455       | 3.05502450          | 590.07072389    | 3.04            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556           |
| Sn 189.925 | Sn            | n     | 0.10361042      | 0.10361042    | mg/L  | 820.10352384     | 0.00238506       | 2.30195187          | 18.26100388     | 2.23            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615255           |
| Sr 421.552 | Sr-R          | n     | 0.01491170      | 0.01491170    | mg/L  | 8537.91486735    | 0.00003097       | 0.20766758          | 17.46940476     | 0.20            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257           |
| Ti 334.941 | Ti            | n     | 0.10962328      | 0.10962328    | mg/L  | 34612.17686535   | 0.00393078       | 3.58571326          | 1226.05929780   | 3.54            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.738095           |
| Tl 190.794 | Tl            | nu    | 0.00176522      | 0.00176522    | mg/L  | -16.44205196     | 0.00229797       | 130.18070793        | 5.61836988      | 34.17           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744           |
| V 292.401  | V             | n     | 0.00366009      | 0.00366009    | mg/L  | 113.52417889     | 0.00025228       | 6.89268816          | 7.88127628      | 6.94            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221           |
| Zn 206.200 | Zn            | n     | 7.36040255      | 7.36040255    | mg/L  | 313349.04650117  | 0.17903700       | 2.43243489          | 7598.28537736   | 2.42            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.7491832           |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 682814.62        | 0.02             | 2.43                | 16601.47        | 2.43            |             | -                 | -               | -                       | Fitted                | -                           | -                       |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 239536.17        | 0.00             | 0.33                | 802.41          | 0.33            |             | -                 | -               | -                       | Fitted                | -                           | -                       |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: MET09          | Lab ID: 504073-008   | Client ID: ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA |
| Seqnum: 674102920140 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:04                                  |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                            |

- 1.01 ft2 ⇒ 50.0 ml = 49.50 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 3.316 | 160    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 676480       | -9.05  |

U=use

|                                 |                    |                                |
|---------------------------------|--------------------|--------------------------------|
| Label: 504073-008,335079        | Rack/Tube: 2:52    | Type: Sample                   |
| Date Time: 3/11/2024 8:04:35 PM | Weight: 1          | Volume: 1                      |
| Dilution: 1                     | %RSE limit: -      | Calibration Coefficient [3]: - |
| LIMS ID: _____                  | Customer: _____    | Customer Ref.: _____           |
| Sample Date Time: _____         | Sample Site: _____ | Description: _____             |
| Replicates: 3                   |                    |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.00134624      | 0.00134624    | mg/L  | 599.78396196     | 0.00016492       | 12.25076323         | 11.61597202    | 1.94            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.15820827              |
| Al 396.152 | Al            | n     | 2.19697292      | 2.19697292    | mg/L  | 69034.73188254   | 0.06372983       | 2.90080164          | 1963.46465899  | 2.84            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19509560              |
| As 188.980 | As            | n     | 0.04171004      | 0.04171004    | mg/L  | 179.62072421     | 0.00239221       | 5.73532673          | 9.05443287     | 5.04            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970806756              |
| B 249.678  | B             | n     | 0.01372824      | 0.01372824    | mg/L  | 575.38198094     | 0.00007004       | 0.51016593          | 2.32317440     | 0.40            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.77125030              |
| Ba 230.424 | Ba            | n     | 0.01691341      | 0.01691341    | mg/L  | 1558.71328041    | 0.00024007       | 1.41941862          | 18.21086303    | 1.17            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79779620              |
| Be 313.107 | Be            | n     | 0.00004309      | 0.00004309    | mg/L  | 163.25233225     | 0.00002667       | 61.89948334         | 57.45831943    | 35.20           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977337              |
| Ca 317.933 | Ca-R          | n     | 8.41134668      | 8.41134668    | mg/L  | 147385.37701488  | 0.08846945       | 1.05178703          | 1526.26026749  | 1.04            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.83335081              |
| Cd 214.439 | Cd            | n     | 0.00363210      | 0.00363210    | mg/L  | 701.61006482     | 0.00009993       | 2.75121153          | 14.21581190    | 2.03            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.3120524              |
| Co 230.786 | Co            | n     | 0.01113477      | 0.01113477    | mg/L  | 675.26104891     | 0.00059809       | 5.37137143          | 19.73308942    | 2.92            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.51801491              |
| Cr 267.716 | Cr            | n     | 0.03810014      | 0.03810014    | mg/L  | 2396.99849611    | 0.00086675       | 2.27492788          | 47.18279039    | 1.97            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40269087              |
| Cu 324.754 | Cu            | n     | 2.81265966      | 2.81265966    | mg/L  | 92728.84741560   | 0.06951026       | 2.47133561          | 2282.44481173  | 2.46            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.08530623              |
| Fe 259.940 | Fe            | no    | 78.44007724     | 78.44007724   | mg/L  | 3985909.00064185 | 1.86544736       | 2.37818144          | 94790.20337575 | 2.38            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.65764006              |
| K 766.491  | K-R           | n     | 2.87759930      | 2.87759930    | mg/L  | 5945.93504045    | 0.03228530       | 1.12195276          | 65.80847605    | 1.11            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482187              |
| Li 670.783 | Li-R          | n     | 0.00259712      | 0.00259712    | mg/L  | 397.35445031     | 0.00038953       | 14.99843945         | 52.82121427    | 13.29           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.5183073              |
| Mg 279.800 | Mg-R          | n     | 4.14962960      | 4.14962960    | mg/L  | 12550.25559459   | 0.04526521       | 1.09082532          | 134.59113243   | 1.07            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202996              |
| Mn 257.610 | Mn            | n     | 0.58485337      | 0.58485337    | mg/L  | 224217.85607940  | 0.01367322       | 2.33788819          | 5227.89350685  | 2.33            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.5153040              |
| Mo 204.598 | Mo            | nu    | -0.00026132     | -0.00026132   | mg/L  | 9.30785801       | 0.00046621       | 178.40223518        | 2.97162029     | 31.93           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.038357850              |
| Na 589.592 | Na-R          | n     | 3.74360349      | 3.74360349    | mg/L  | 53976.67479810   | 0.03213343       | 0.85835571          | 447.55549591   | 0.83            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.03181813              |
| Ni 231.604 | Ni            | n     | 0.09828410      | 0.09828410    | mg/L  | 1925.88381598    | 0.00228853       | 2.32848546          | 42.74302601    | 2.22            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.05884246              |
| P 177.434  | P             | n     | 0.85859399      | 0.85859399    | mg/L  | 2381.39765584    | 0.01424629       | 1.65925752          | 39.37097416    | 1.65            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.595777997              |
| Pb 220.353 | Pb            | n     | 3.31568709      | 3.31568709    | mg/L  | 19472.04198462   | 0.06053587       | 1.82574143          | 360.57074191   | 1.85            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.315223265              |
| S 181.972  | S             | n     | 3.16170802      | 3.16170802    | mg/L  | 5208.77907369    | 0.01729918       | 0.54714680          | 28.38916389    | 0.55            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.069502906              |
| Sb 206.834 | Sb            | nu    | -0.00066295     | -0.00066295   | mg/L  | -33.10405171     | 0.00115848       | 174.74456597        | 2.43441960     | 7.35            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.395963625              |
| Se 196.026 | Se            | n     | 0.00297229      | 0.00297229    | mg/L  | 59.75738433      | 0.00206072       | 69.33112848         | 5.37136758     | 8.99            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.548518762              |
| Si 251.611 | Si            | n     | 4.37018766      | 4.37018766    | mg/L  | 32530.20513370   | 0.08795925       | 2.01271109          | 652.98451262   | 2.01            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.716105561              |
| Sn 189.925 | Sn            | n     | 0.09972277      | 0.09972277    | mg/L  | 790.31630912     | 0.00158380       | 1.58820677          | 12.12624548    | 1.53            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.406152597              |
| Sr 421.552 | Sr-R          | n     | 0.01669638      | 0.01669638    | mg/L  | 9553.73427210    | 0.00010416       | 0.62384106          | 58.75957183    | 0.62            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0702575              |
| Ti 334.941 | Ti            | n     | 0.18461295      | 0.18461295    | mg/L  | 58004.51402800   | 0.00276872       | 1.49974465          | 863.59991226   | 1.49            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.7380992              |
| Tl 190.794 | Tl            | n     | 0.00493333      | 0.00493333    | mg/L  | -8.80484416      | 0.00075267       | 15.25677670         | 1.84021765     | 20.90           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.927237446              |
| V 292.401  | V             | n     | 0.00696368      | 0.00696368    | mg/L  | 212.20469546     | 0.00009206       | 1.32203798          | 2.87606189     | 1.36            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.34252216              |
| Zn 206.200 | Zn            | n     | 8.20257322      | 8.20257322    | mg/L  | 349188.70143126  | 0.14657240       | 1.78690758          | 6220.49601255  | 1.78            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.74918326              |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 676479.63        | 0.02             | 2.28                | 15401.58       | 2.28            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.93            | 0.93          | Ratio | 240512.98        | 0.01             | 0.83                | 2007.46        | 0.83            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: MET09          | Lab ID: 504073-010   | Client ID: ARCH-C14W-DG-2 TO 2.5-240308-L-FB |
| Seqnum: 674102920141 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:07                      |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 1.054 | 53     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 677476       | -8.92  |

U=use

|                   |                      |              |      |                              |        |
|-------------------|----------------------|--------------|------|------------------------------|--------|
| Label:            | 504073-010,335079    | Rack/Tube:   | 2:53 | Type:                        | Sample |
| Date Time:        | 3/11/2024 8:07:42 PM | Weight:      | 1    | Volume:                      | 1      |
| Dilution:         | 1                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -      |
| LIMS ID:          |                      | Customer:    |      | Customer Ref.:               |        |
| Sample Date Time: |                      | Sample Site: |      | Description:                 |        |
| Replicates:       | 3                    |              |      |                              |        |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | 0.00027486      | 0.00027486    | mg/L  | 527.45777379     | 0.00056764       | 206.51931236        | 39.97990109    | 7.58            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.15820827              |
| Al 396.152 | Al            | n     | 0.48509905      | 0.48509905    | mg/L  | 16171.63986392   | 0.01069487       | 2.20467792          | 329.50038939   | 2.04            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19509560              |
| As 188.980 | As            | n     | 0.03196356      | 0.03196356    | mg/L  | 140.13715570     | 0.00175195       | 5.48107210          | 6.63106380     | 4.73            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970806756              |
| B 249.678  | B             | n     | 0.02054940      | 0.02054940    | mg/L  | 821.60808317     | 0.00033284       | 1.61968225          | 11.04039449    | 1.34            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.77125030              |
| Ba 230.424 | Ba            | n     | 0.00747577      | 0.00747577    | mg/L  | 843.56058730     | 0.00011290       | 1.51027193          | 8.56445588     | 1.02            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79779620              |
| Be 313.107 | Be            | n     | 0.00005507      | 0.00005507    | mg/L  | 192.98307750     | 0.00002044       | 37.11791986         | 44.03457947    | 22.82           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977337              |
| Ca 317.933 | Ca-R          | n     | 6.64552466      | 6.64552466    | mg/L  | 116851.99649006  | 0.02201235       | 0.33123576          | 379.75346187   | 0.32            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.83335081              |
| Cd 214.439 | Cd            | n     | 0.00008434      | 0.00008434    | mg/L  | 130.31147373     | 0.00010417       | 123.50835347        | 14.81951271    | 11.37           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.3120524              |
| Co 230.786 | Co            | n     | 0.01405121      | 0.01405121    | mg/L  | 741.81852290     | 0.00038691       | 2.75354395          | 12.76539884    | 1.72            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.51801491              |
| Cr 267.716 | Cr            | n     | 0.02173093      | 0.02173093    | mg/L  | 1498.88222809    | 0.00056341       | 2.59265325          | 30.66988524    | 2.05            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40269087              |
| Cu 324.754 | Cu            | n     | 0.40027149      | 0.40027149    | mg/L  | 13527.16578905   | 0.00679151       | 1.69672627          | 223.00665122   | 1.65            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.08530623              |
| Fe 259.940 | Fe            | no    | 44.83474834     | 44.83474834   | mg/L  | 2278296.10340379 | 0.77867072       | 1.73675719          | 39567.10723597 | 1.74            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.65764006              |
| K 766.491  | K-R           | n     | 3.45862363      | 3.45862363    | mg/L  | 7118.90144026    | 0.02476669       | 0.71608507          | 50.48296636    | 0.71            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482187              |
| Li 670.783 | Li-R          | n     | 0.00160017      | 0.00160017    | mg/L  | 223.81140726     | 0.00042811       | 26.75392543         | 58.05289811    | 25.94           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.5183073              |
| Mg 279.800 | Mg-R          | n     | 3.00157368      | 3.00157368    | mg/L  | 9070.68150924    | 0.01243873       | 0.41440693          | 36.98519604    | 0.41            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202996              |
| Mn 257.610 | Mn            | n     | 0.24639841      | 0.24639841    | mg/L  | 94693.33140954   | 0.00479430       | 1.94575151          | 1833.07941610  | 1.94            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.5153040              |
| Mo 204.598 | Mo            | n     | 0.00101261      | 0.00101261    | mg/L  | 14.67652796      | 0.00091439       | 90.30023204         | 5.82833267     | 39.71           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.038357850              |
| Na 589.592 | Na-R          | n     | 3.98233136      | 3.98233136    | mg/L  | 57356.13112946   | 0.00658399       | 0.16532995          | 91.70197123    | 0.16            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.03181813              |
| Ni 231.604 | Ni            | n     | 0.05736904      | 0.05736904    | mg/L  | 1154.88135471    | 0.00100647       | 1.75437072          | 18.79781908    | 1.63            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.05884246              |
| P 177.434  | P             | n     | 1.12916195      | 1.12916195    | mg/L  | 3127.47891344    | 0.00827996       | 0.73328401          | 22.88247374    | 0.73            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.595777997              |
| Pb 220.353 | Pb            | n     | 1.05372914      | 1.05372914    | mg/L  | 5999.10810285    | 0.01796197       | 1.70460995          | 106.98716614   | 1.78            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.315223265              |
| S 181.972  | S             | n     | 3.39324481      | 3.39324481    | mg/L  | 5587.06390395    | 0.01405051       | 0.41407310          | 23.05787021    | 0.41            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.069502906              |
| Sb 206.834 | Sb            | nu    | -0.02433270     | -0.02433270   | mg/L  | -87.49877222     | 0.00183177       | 7.52800322          | 3.84926582     | 4.40            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.395963625              |
| Se 196.026 | Se            | n     | 0.00556825      | 0.00556825    | mg/L  | 72.31630661      | 0.00194982       | 35.01669717         | 5.08229574     | 7.03            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.548518762              |
| Si 251.611 | Si            | n     | 1.32918188      | 1.32918188    | mg/L  | 9956.64064938    | 0.01744840       | 1.31271745          | 129.53198619   | 1.30            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.716105561              |
| Sn 189.925 | Sn            | n     | 0.06382565      | 0.06382565    | mg/L  | 515.68130148     | 0.00040835       | 0.63979738          | 3.12653073     | 0.61            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.406152597              |
| Sr 421.552 | Sr-R          | n     | 0.01436230      | 0.01436230    | mg/L  | 8199.85188485    | 0.00004503       | 0.31356102          | 25.40554332    | 0.31            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0702575              |
| Ti 334.941 | Ti            | n     | 0.04464160      | 0.04464160    | mg/L  | 14336.90199668   | 0.00202616       | 4.53872850          | 631.98549468   | 4.41            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.7380992              |
| Tl 190.794 | Tl            | nu    | -0.00044069     | -0.00044069   | mg/L  | -21.46212037     | 0.00032412       | 73.54916978         | 0.79246029     | 3.69            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.927237446              |
| V 292.401  | V             | n     | 0.00223913      | 0.00223913    | mg/L  | 85.44129549      | 0.00028651       | 12.79574615         | 8.95077278     | 10.48           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.34252216              |
| Zn 206.200 | Zn            | no    | 62.05983999     | 62.05983999   | mg/L  | 2634419.71423524 | 1.14110376       | 1.83871528          | 48428.15732188 | 1.84            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.74918326              |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 677475.59        | 0.02             | 2.23                | 15123.44       | 2.23            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 240077.23        | 0.00             | 0.53                | 1262.80        | 0.53            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                        |
|----------------------|----------------------|----------------------------------------|
| Inst: MET09          | Lab ID: 504073-012   | Client ID: ARCH-C14W-PS-2.5-240308-L-G |
| Seqnum: 674102920142 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                 |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:10                |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                        |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                          |

- 1.04 ft2  $\Rightarrow$  50.0 ml = 48.01 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 4.892 | 230    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 677308       | -8.94  |

U=use

|                   |                      |              |      |                              |        |
|-------------------|----------------------|--------------|------|------------------------------|--------|
| Label:            | 504073-012.335079    | Rack/Tube:   | 2:54 | Type:                        | Sample |
| Date Time:        | 3/11/2024 8:10:49 PM | Weight:      | 1    | Volume:                      | 1      |
| Dilution:         | 1                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -      |
| LIMS ID:          |                      | Customer:    |      | Customer Ref.:               |        |
| Sample Date Time: |                      | Sample Site: |      | Description:                 |        |
| Replicates:       | 3                    |              |      |                              |        |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-------------------------|
| Ag 328.068 | Ag            | n     | 0.00067120      | 0.00067120    | mg/L  | 551.27613250     | 0.00011915       | 17.75194936         | 8.39211875      | 1.52            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082           |
| Al 396.152 | Al            | n     | 2.40093658      | 2.40093658    | mg/L  | 75360.39673349   | 0.07013150       | 2.92100600          | 2160.69511190   | 2.87            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956           |
| As 188.980 | As            | n     | 0.03623080      | 0.03623080    | mg/L  | 159.69880876     | 0.00295160       | 8.14666537          | 11.17172755     | 7.00            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675           |
| B 249.678  | B             | n     | 0.01886769      | 0.01886769    | mg/L  | 739.64468703     | 0.00077907       | 4.12914705          | 25.84250868     | 3.49            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503           |
| Ba 230.424 | Ba            | n     | 0.01688899      | 0.01688899    | mg/L  | 1556.51139564    | 0.00051429       | 3.04511461          | 39.01181791     | 2.51            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962           |
| Be 313.107 | Be            | n     | 0.00004277      | 0.00004277    | mg/L  | 161.33897605     | 0.00000730       | 17.07296232         | 15.73123700     | 9.75            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733           |
| Ca 317.933 | Ca-R          | n     | 10.78499607     | 10.78499607   | mg/L  | 188354.02832755  | 0.03224435       | 0.29897415          | 556.27415833    | 0.30            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333506           |
| Cd 214.439 | Cd            | n     | 0.00024290      | 0.00024290    | mg/L  | 240.34871207     | 0.00004452       | 18.32921167         | 6.33362567      | 2.64            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052           |
| Co 230.786 | Co            | n     | 0.01343699      | 0.01343699    | mg/L  | 760.54812612     | 0.00069544       | 5.17553066          | 22.94486751     | 3.02            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180145           |
| Cr 267.716 | Cr            | n     | 0.02986644      | 0.02986644    | mg/L  | 1951.05336756    | 0.00073287       | 2.45383445          | 39.89497265     | 2.04            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026906           |
| Cu 324.754 | Cu            | n     | 1.07447457      | 1.07447457    | mg/L  | 35649.65747979   | 0.03625344       | 3.37406202          | 1190.42098924   | 3.34            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062           |
| Fe 259.940 | Fe            | no    | 88.06708563     | 88.06708563   | mg/L  | 4475094.02262023 | 2.00832261       | 2.28044631          | 102050.21746739 | 2.28            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400           |
| K 766.491  | K-R           | n     | 3.65558898      | 3.65558898    | mg/L  | 7535.38317788    | 0.01859167       | 0.50858207          | 37.89617199     | 0.50            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148216           |
| Li 670.783 | Li-R          | n     | 0.00200523      | 0.00200523    | mg/L  | 328.68086242     | 0.00100014       | 49.87671585         | 135.62308836    | 41.26           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.518307           |
| Mg 279.800 | Mg-R          | n     | 4.21443454      | 4.21443454    | mg/L  | 12763.70129606   | 0.02342218       | 0.55576084          | 69.64327056     | 0.55            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020295           |
| Mn 257.610 | Mn            | n     | 0.64972719      | 0.64972719    | mg/L  | 249059.42994345  | 0.01470279       | 2.26291714          | 5621.54502121   | 2.26            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304           |
| Mo 204.598 | Mo            | n     | 0.00144060      | 0.00144060    | mg/L  | 20.98418359      | 0.00068607       | 47.62372955         | 4.37301849      | 20.84           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785           |
| Na 589.592 | Na-R          | n     | 4.11959973      | 4.11959973    | mg/L  | 59197.43034564   | 0.01601011       | 0.38863257          | 222.98926775    | 0.38            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181           |
| Ni 231.604 | Ni            | n     | 0.05123242      | 0.05123242    | mg/L  | 1049.24199765    | 0.00130236       | 2.54206364          | 24.32426675     | 2.32            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424           |
| P 177.434  | P             | n     | 1.06502569      | 1.06502569    | mg/L  | 2952.42973592    | 0.01832648       | 1.72075455          | 50.64697756     | 1.72            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577795           |
| Pb 220.353 | Pb            | n     | 4.89229466      | 4.89229466    | mg/L  | 28863.57617324   | 0.10413965       | 2.12864638          | 620.28860191    | 2.15            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326           |
| S 181.972  | S             | n     | 3.57753177      | 3.57753177    | mg/L  | 5891.81676354    | 0.03279295       | 0.91663605          | 53.81550364     | 0.91            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290           |
| Sb 206.834 | Sb            | nu    | 0.00265278      | 0.00265278    | mg/L  | -24.65086799     | 0.00538085       | 202.83824728        | 11.30729843     | 45.87           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362           |
| Se 196.026 | Se            | n     | 0.00621136      | 0.00621136    | mg/L  | 66.36266441      | 0.00379405       | 61.08239000         | 9.88936307      | 14.90           | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876           |
| Si 251.611 | Si            | n     | 4.33686677      | 4.33686677    | mg/L  | 32282.22466086   | 0.08491801       | 1.95804983          | 630.40721621    | 1.95            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556           |
| Sn 189.925 | Sn            | n     | 0.06185056      | 0.06185056    | mg/L  | 500.29770811     | 0.00065116       | 1.05278956          | 4.98551697      | 1.00            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615255           |
| Sr 421.552 | Sr-R          | n     | 0.02032724      | 0.02032724    | mg/L  | 11624.63608443   | 0.00012166       | 0.59852275          | 68.63433756     | 0.59            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257           |
| Ti 334.941 | Ti            | n     | 0.16008213      | 0.16008213    | mg/L  | 50355.82962858   | 0.00392362       | 2.45100391          | 1223.82678867   | 2.43            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.738095           |
| Tl 190.794 | Tl            | n     | 0.00126575      | 0.00126575    | mg/L  | -17.92713899     | 0.00041934       | 33.12988431         | 1.02526317      | 5.72            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744           |
| V 292.401  | V             | n     | 0.01225836      | 0.01225836    | mg/L  | 370.54201518     | 0.00075400       | 6.15087672          | 23.55511842     | 6.36            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221           |
| Zn 206.200 | Zn            | n     | 8.90729454      | 8.90729454    | mg/L  | 379241.73811511  | 0.20550669       | 2.30717293          | 8721.65231260   | 2.30            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.7491832           |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 677307.67        | 0.02             | 2.17                | 14710.89        | 2.17            |             | -                 | -               | -                       | Fitted                | -                           | -                       |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 239579.55        | 0.01             | 1.16                | 2776.62         | 1.16            |             | -                 | -               | -                       | Fitted                | -                           | -                       |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: MET09          | Lab ID: 504073-014   | Client ID: ARCH-C14W-DG-2.5 TO 3-240308-L-FB |
| Seqnum: 674102920143 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:13                      |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 1.285 | 64     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 681330       | -8.40  |

U=use



|                                 |                    |                                |
|---------------------------------|--------------------|--------------------------------|
| Label: 504073-014,335079        | Rack/Tube: 2:55    | Type: Sample                   |
| Date Time: 3/11/2024 8:13:56 PM | Weight: 1          | Volume: 1                      |
| Dilution: 1                     | %RSE limit: -      | Calibration Coefficient [3]: - |
| LIMS ID: _____                  | Customer: _____    | Customer Ref.: _____           |
| Sample Date Time: _____         | Sample Site: _____ | Description: _____             |
| Replicates: 3                   |                    |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.00036576      | 0.00036576    | mg/L  | 534.84913458     | 0.00025291       | 69.14678574         | 17.81292028    | 3.33            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.15820827              |
| Al 396.152 | Al            | n     | 0.69186657      | 0.69186657    | mg/L  | 22505.43212222   | 0.01880089       | 2.71741585          | 579.24034294   | 2.57            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19509560              |
| As 188.980 | As            | n     | 0.02694949      | 0.02694949    | mg/L  | 120.37547546     | 0.00183767       | 6.81894748          | 6.95553227     | 5.78            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970806756              |
| B 249.678  | B             | n     | 0.01443131      | 0.01443131    | mg/L  | 624.85227282     | 0.00025872       | 1.79279110          | 8.58205227     | 1.37            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.77125030              |
| Ba 230.424 | Ba            | n     | 0.00862146      | 0.00862146    | mg/L  | 931.17491668     | 0.00029633       | 3.43714940          | 22.47853434    | 2.41            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79779620              |
| Be 313.107 | Be            | n     | 0.00002608      | 0.00002608    | mg/L  | 131.71842345     | 0.00000838       | 32.13612047         | 18.05251500    | 13.71           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977337              |
| Ca 317.933 | Ca-R          | n     | 6.35933832      | 6.35933832    | mg/L  | 111900.06754331  | 0.01746319       | 0.27460707          | 301.27208672   | 0.27            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.83335081              |
| Cd 214.439 | Cd            | nu    | 0.00005644      | 0.00005644    | mg/L  | 105.99946747     | 0.00006209       | 110.00994749        | 8.83317369     | 8.33            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.3120524              |
| Co 230.786 | Co            | n     | 0.00887916      | 0.00887916    | mg/L  | 562.09399779     | 0.00010114       | 1.13902081          | 3.33681417     | 0.59            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.51801491              |
| Cr 267.716 | Cr            | n     | 0.01808263      | 0.01808263    | mg/L  | 1298.22313513    | 0.00023653       | 1.30806583          | 12.87598680    | 0.99            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40269087              |
| Cu 324.754 | Cu            | n     | 0.76890512      | 0.76890512    | mg/L  | 25635.52606857   | 0.01518683       | 1.97512417          | 498.67607492   | 1.95            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.08530623              |
| Fe 259.940 | Fe            | no    | 34.37870041     | 34.37870041   | mg/L  | 1746985.96241319 | 0.84920489       | 2.47014832          | 43151.20660491 | 2.47            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.65764006              |
| K 766.491  | K-R           | n     | 2.50409533      | 2.50409533    | mg/L  | 5169.97693166    | 0.02787715       | 1.11326217          | 56.82314317    | 1.10            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482187              |
| Li 670.783 | Li-R          | n     | 0.00188933      | 0.00188933    | mg/L  | 251.16994232     | 0.00022456       | 11.88580170         | 30.45138475    | 12.12           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.5183073              |
| Mg 279.800 | Mg-R          | n     | 2.92359488      | 2.92359488    | mg/L  | 8818.61537860    | 0.00541300       | 0.18514874          | 16.09495844    | 0.18            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202996              |
| Mn 257.610 | Mn            | n     | 0.25125698      | 0.25125698    | mg/L  | 96515.32029936   | 0.00613642       | 2.44228957          | 2346.23379670  | 2.43            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.5153040              |
| Mo 204.598 | Mo            | n     | 0.00088589      | 0.00088589    | mg/L  | 13.08989428      | 0.00050827       | 57.37417212         | 3.23974048     | 24.75           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.038357850              |
| Na 589.592 | Na-R          | n     | 3.26435449      | 3.26435449    | mg/L  | 47373.31899466   | 0.02092712       | 0.64107980          | 291.47355426   | 0.62            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.03181813              |
| Ni 231.604 | Ni            | n     | 0.03195371      | 0.03195371    | mg/L  | 678.19928630     | 0.00050547       | 1.58189103          | 9.44074666     | 1.39            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.05884246              |
| P 177.434  | P             | n     | 0.75720391      | 0.75720391    | mg/L  | 2099.03023872    | 0.01299279       | 1.71589062          | 35.90682171    | 1.71            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.595777997              |
| Pb 220.353 | Pb            | n     | 1.28499877      | 1.28499877    | mg/L  | 7374.97097904    | 0.02839531       | 2.20975348          | 169.13138822   | 2.29            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.315223265              |
| S 181.972  | S             | n     | 3.03033805      | 3.03033805    | mg/L  | 4991.05040675    | 0.02067767       | 0.68235522          | 33.93349356    | 0.68            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.069502906              |
| Sb 206.834 | Sb            | nu    | -0.01183963     | -0.01183963   | mg/L  | -62.70165733     | 0.00290752       | 24.55753752         | 6.10985514     | 9.74            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.395963625              |
| Se 196.026 | Se            | n     | 0.00320790      | 0.00320790    | mg/L  | 68.00489425      | 0.00180272       | 56.19617347         | 4.69887333     | 6.91            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.548518762              |
| Si 251.611 | Si            | n     | 1.57906994      | 1.57906994    | mg/L  | 11812.43002364   | 0.02601838       | 1.64770296          | 193.15308185   | 1.64            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.716105561              |
| Sn 189.925 | Sn            | n     | 0.04691128      | 0.04691128    | mg/L  | 386.26651455     | 0.00071520       | 1.52458999          | 5.47589694     | 1.42            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.406152597              |
| Sr 421.552 | Sr-R          | n     | 0.01257590      | 0.01257590    | mg/L  | 7182.25337476    | 0.00009216       | 0.73283311          | 51.99078988    | 0.72            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0702575              |
| Ti 334.941 | Ti            | n     | 0.05495718      | 0.05495718    | mg/L  | 17552.02313179   | 0.01119561       | 20.37152363         | 3492.05482782  | 19.90           | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.7380992              |
| Tl 190.794 | Tl            | nu    | 0.00060112      | 0.00060112    | mg/L  | -18.77311881     | 0.00110000       | 182.99047603        | 2.68942213     | 14.33           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.927237446              |
| V 292.401  | V             | n     | 0.00252562      | 0.00252562    | mg/L  | 100.67923686     | 0.00055468       | 21.96228740         | 17.32854037    | 17.21           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.34252216              |
| Zn 206.200 | Zn            | n     | 6.78395431      | 6.78395431    | mg/L  | 288385.00643996  | 0.11232597       | 1.65575953          | 4767.08598600  | 1.65            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.74918326              |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 681329.78        | 0.02             | 2.27                | 15459.47       | 2.27            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.94            | 0.94          | Ratio | 244136.53        | 0.00             | 0.17                | 423.01         | 0.17            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                                 |
|----------------------|----------------------|-------------------------------------------------|
| Inst: MET09          | Lab ID: 504073-016   | Client ID: ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF |
| Seqnum: 674102920144 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                          |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:17                         |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                                 |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                   |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 4.332 | 220    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 682687       | -8.21  |

U=use

|                   |                      |              |      |                              |        |
|-------------------|----------------------|--------------|------|------------------------------|--------|
| Label:            | 504073-016.335079    | Rack/Tube:   | 2:56 | Type:                        | Sample |
| Date Time:        | 3/11/2024 8:17:03 PM | Weight:      | 1    | Volume:                      | 1      |
| Dilution:         | 1                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -      |
| LIMS ID:          |                      | Customer:    |      | Customer Ref.:               |        |
| Sample Date Time: |                      | Sample Site: |      | Description:                 |        |
| Replicates:       | 3                    |              |      |                              |        |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-------------------------|
| Ag 328.068 | Ag            | nu    | 0.00008213      | 0.00008213    | mg/L  | 511.78989634     | 0.00014681       | 178.75725313        | 10.34020445    | 2.02            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082           |
| Al 396.152 | Al            | n     | 1.56509400      | 1.56509400    | mg/L  | 49528.07793443   | 0.04713254       | 3.01148300          | 1452.11560642  | 2.93            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956           |
| As 188.980 | As            | n     | 0.02853766      | 0.02853766    | mg/L  | 128.91152827     | 0.00089335       | 3.13043178          | 3.38131068     | 2.62            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675           |
| B 249.678  | B             | n     | 0.01717383      | 0.01717383    | mg/L  | 696.26433937     | 0.00041863       | 2.43762974          | 13.88642522    | 1.99            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503           |
| Ba 230.424 | Ba            | n     | 0.01446055      | 0.01446055    | mg/L  | 1372.87766466    | 0.00024079       | 1.66518514          | 18.26568787    | 1.33            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962           |
| Be 313.107 | Be            | n     | 0.00002767      | 0.00002767    | mg/L  | 131.33175884     | 0.00000485       | 17.54378981         | 10.45835823    | 7.96            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733           |
| Ca 317.933 | Ca-R          | n     | 8.36534809      | 8.36534809    | mg/L  | 146568.32248979  | 0.04120543       | 0.49257281          | 710.86920728   | 0.49            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333506           |
| Cd 214.439 | Cd            | nu    | 0.00000398      | 0.00000398    | mg/L  | 163.54817742     | 0.00013084       | 3285.18512845       | 18.61355987    | 11.38           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052           |
| Co 230.786 | Co            | n     | 0.01662922      | 0.01662922    | mg/L  | 846.78244637     | 0.00082057       | 4.93452863          | 27.07360984    | 3.20            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180145           |
| Cr 267.716 | Cr            | n     | 0.03659906      | 0.03659906    | mg/L  | 2312.99166370    | 0.00102069       | 2.78883953          | 55.56264598    | 2.40            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026906           |
| Cu 324.754 | Cu            | n     | 0.59045010      | 0.59045010    | mg/L  | 19763.92134939   | 0.01574583       | 2.66674953          | 517.03126472   | 2.62            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062           |
| Fe 259.940 | Fe            | no    | 66.96836810     | 66.96836810   | mg/L  | 3402988.59876451 | 1.59895380       | 2.38762546          | 81248.69115892 | 2.39            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400           |
| K 766.491  | K-R           | n     | 3.59083504      | 3.59083504    | mg/L  | 7396.04259107    | 0.02533495       | 0.70554481          | 51.64128004    | 0.70            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2083.34148216           |
| Li 670.783 | Li-R          | n     | 0.00137556      | 0.00137556    | mg/L  | 218.91439592     | 0.00079494       | 57.78981837         | 107.79602350   | 49.24           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.518307           |
| Mg 279.800 | Mg-R          | n     | 3.64350270      | 3.64350270    | mg/L  | 11023.64643529   | 0.02434074       | 0.66805877          | 72.37451565    | 0.66            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020295           |
| Mn 257.610 | Mn            | n     | 0.56848446      | 0.56848446    | mg/L  | 217920.60749980  | 0.01323592       | 2.32828137          | 5060.69384160  | 2.32            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304           |
| Mo 204.598 | Mo            | nu    | 0.00035015      | 0.00035015    | mg/L  | 12.29171632      | 0.00144509       | 412.70431772        | 9.21106196     | 74.94           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785           |
| Na 589.592 | Na-R          | n     | 3.98311157      | 3.98311157    | mg/L  | 57330.74653319   | 0.01970821       | 0.49479444          | 274.49664148   | 0.48            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181           |
| Ni 231.604 | Ni            | n     | 0.08006451      | 0.08006451    | mg/L  | 1583.34758274    | 0.00114897       | 1.43504982          | 21.45929933    | 1.36            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424           |
| P 177.434  | P             | n     | 1.07977296      | 1.07977296    | mg/L  | 2992.10628100    | 0.02032524       | 1.88236278          | 56.17075917    | 1.88            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577795           |
| Pb 220.353 | Pb            | n     | 4.33204945      | 4.33204945    | mg/L  | 25525.94176969   | 0.08513830       | 1.96531239          | 507.11058059   | 1.99            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326           |
| S 181.972  | S             | n     | 3.40594104      | 3.40594104    | mg/L  | 5609.06473650    | 0.03817547       | 1.12084935          | 62.64859617    | 1.12            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290           |
| Sb 206.834 | Sb            | nu    | -0.00968382     | -0.00968382   | mg/L  | -53.58773054     | 0.00108094       | 11.16238339         | 2.27149324     | 4.24            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362           |
| Se 196.026 | Se            | n     | 0.00390941      | 0.00390941    | mg/L  | 64.10419495      | 0.00282430       | 72.24377017         | 7.36168079     | 11.48           | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876           |
| Si 251.611 | Si            | n     | 2.93264063      | 2.93264063    | mg/L  | 21858.92866151   | 0.06302952       | 2.14924113          | 467.91325263   | 2.14            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556           |
| Sn 189.925 | Sn            | n     | 0.06625135      | 0.06625135    | mg/L  | 534.11870439     | 0.00161915       | 2.44394478          | 12.39684238    | 2.32            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615255           |
| Sr 421.552 | Sr-R          | n     | 0.01634327      | 0.01634327    | mg/L  | 9345.68534980    | 0.00002456       | 0.15024736          | 13.85250128    | 0.15            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257           |
| Ti 334.941 | Ti            | n     | 0.12509353      | 0.12509353    | mg/L  | 39436.78552527   | 0.00923059       | 7.37894845          | 2879.13762180  | 7.30            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.738095           |
| Tl 190.794 | Tl            | n     | 0.00335951      | 0.00335951    | mg/L  | -12.49548771     | 0.00112832       | 33.58585558         | 2.75866003     | 22.08           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744           |
| V 292.401  | V             | n     | 0.00521840      | 0.00521840    | mg/L  | 164.37529386     | 0.00042445       | 8.13363077          | 13.25981102    | 8.07            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221           |
| Zn 206.200 | Zn            | n     | 2.61401834      | 2.61401834    | mg/L  | 111861.43816856  | 0.05346675       | 2.04538556          | 2269.11562155  | 2.03            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.7491832           |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 682686.80        | 0.02             | 2.17                | 14846.20       | 2.17            |             | -                 | -               | -                       | Fitted                | -                           | -                       |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 239702.88        | 0.00             | 0.39                | 923.02         | 0.39            |             | -                 | -               | -                       | Fitted                | -                           | -                       |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: MET09          | Lab ID: 504073-018   | Client ID: ARCH-C14W-DG-4 TO 4.5-240308-L-FB |
| Seqnum: 674102920145 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:20                      |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 3.010 | 150    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 682581       | -8.23  |

U=use

|                                 |                    |                                |
|---------------------------------|--------------------|--------------------------------|
| Label: 504073-018,335079        | Rack/Tube: 2:57    | Type: Sample                   |
| Date Time: 3/11/2024 8:20:10 PM | Weight: 1          | VOLUME: 1                      |
| Dilution: 1                     | %RSE limit: -      | Calibration Coefficient [3]: - |
| LIMS ID: _____                  | Customer: _____    | Customer Ref.: _____           |
| Sample Date Time: _____         | Sample Site: _____ | Description: _____             |
| Replicates: 3                   |                    |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.00060793      | 0.00060793    | mg/L  | 550.56884875     | 0.00013582       | 22.34111927         | 9.56593819     | 1.74            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.15820827              |
| Al 396.152 | Al            | n     | 0.98606990      | 0.98606990    | mg/L  | 31618.21632018   | 0.03125589       | 3.16974371          | 962.96876792   | 3.05            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19509560              |
| As 188.980 | As            | n     | 0.03004586      | 0.03004586    | mg/L  | 133.17232186     | 0.00264944       | 8.81798213          | 10.02804900    | 7.53            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970806756              |
| B 249.678  | B             | n     | 0.01209876      | 0.01209876    | mg/L  | 539.03717810     | 0.00068216       | 5.63828082          | 22.62783895    | 4.20            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.77125030              |
| Ba 230.424 | Ba            | n     | 0.00777504      | 0.00777504    | mg/L  | 866.23151871     | 0.00014843       | 1.90909240          | 11.25948665    | 1.30            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79779620              |
| Be 313.107 | Be            | nu    | 0.00000762      | 0.00000762    | mg/L  | 90.32558250      | 0.00001201       | 157.69100873        | 25.88229636    | 28.65           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977337              |
| Ca 317.933 | Ca-R          | n     | 6.15898701      | 6.15898701    | mg/L  | 108468.59722189  | 0.04896560       | 0.79502683          | 844.74635940   | 0.78            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.83335081              |
| Cd 214.439 | Cd            | n     | 0.00020089      | 0.00020089    | mg/L  | 154.38959397     | 0.00000662       | 3.29345622          | 0.94124636     | 0.61            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.3120524              |
| Co 230.786 | Co            | n     | 0.00623704      | 0.00623704    | mg/L  | 487.33226896     | 0.00047451       | 7.60799879          | 15.65588827    | 3.21            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.51801491              |
| Cr 267.716 | Cr            | n     | 0.02776073      | 0.02776073    | mg/L  | 1827.89839218    | 0.00042213       | 1.52061179          | 22.97939834    | 1.26            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40269087              |
| Cu 324.754 | Cu            | n     | 1.66201996      | 1.66201996    | mg/L  | 54956.61915301   | 0.04757761       | 2.86263762          | 1562.26241094  | 2.84            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.08530623              |
| Fe 259.940 | Fe            | no    | 48.36326427     | 48.36326427   | mg/L  | 2457592.86476613 | 1.54109115       | 3.18649117          | 78308.47787637 | 3.19            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.65764006              |
| K 766.491  | K-R           | n     | 2.28415551      | 2.28415551    | mg/L  | 4726.17665225    | 0.01021087       | 0.44703064          | 20.81325006    | 0.44            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482187              |
| Li 670.783 | Li-R          | n     | 0.00186010      | 0.00186010    | mg/L  | 263.30756254     | 0.00034164       | 18.36664078         | 46.32728011    | 17.59           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.5183073              |
| Mg 279.800 | Mg-R          | n     | 2.92194158      | 2.92194158    | mg/L  | 8841.28876358    | 0.02779945       | 0.95140322          | 82.65860145    | 0.93            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202996              |
| Mn 257.610 | Mn            | n     | 0.27660064      | 0.27660064    | mg/L  | 106253.85981693  | 0.00834642       | 3.01749837          | 3191.21613012  | 3.00            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.5153040              |
| Mo 204.598 | Mo            | nu    | 0.00132625      | 0.00132625    | mg/L  | 17.00357962      | 0.00237309       | 178.93154467        | 15.12615565    | 88.96           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.038357850              |
| Na 589.592 | Na-R          | n     | 3.06776444      | 3.06776444    | mg/L  | 44611.21864254   | 0.03499618       | 1.14077156          | 487.42796670   | 1.09            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.03181813              |
| Ni 231.604 | Ni            | n     | 0.09788690      | 0.09788690    | mg/L  | 1912.37308987    | 0.00229830       | 2.34791190          | 42.92545182    | 2.24            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.05884246              |
| P 177.434  | P             | n     | 0.68734219      | 0.68734219    | mg/L  | 1906.64909650    | 0.01399315       | 2.03583438          | 38.67140618    | 2.03            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.595777997              |
| Pb 220.353 | Pb            | n     | 3.00984142      | 3.00984142    | mg/L  | 17649.60593858   | 0.07295902       | 2.42401552          | 434.56694076   | 2.46            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.315223265              |
| S 181.972  | S             | n     | 2.77338914      | 2.77338914    | mg/L  | 4569.98202468    | 0.03256970       | 1.17436453          | 53.44913851    | 1.17            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.069502906              |
| Sb 206.834 | Sb            | nu    | -0.00660362     | -0.00660362   | mg/L  | -49.73961857     | 0.00415239       | 62.88043991         | 8.72581202     | 17.54           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.395963625              |
| Se 196.026 | Se            | nu    | 0.00083394      | 0.00083394    | mg/L  | 59.34121560      | 0.00102381       | 122.76882068        | 2.66862103     | 4.50            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.548518762              |
| Si 251.611 | Si            | n     | 1.98855403      | 1.98855403    | mg/L  | 14851.40457954   | 0.03997241       | 2.01012461          | 296.74385268   | 2.00            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.716105561              |
| Sn 189.925 | Sn            | n     | 0.07261782      | 0.07261782    | mg/L  | 582.97307018     | 0.00135576       | 1.86697762          | 10.38023748    | 1.78            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.406152597              |
| Sr 421.552 | Sr-R          | n     | 0.01268828      | 0.01268828    | mg/L  | 7255.46236606    | 0.00016421       | 1.29419807          | 92.63731603    | 1.28            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0702575              |
| Ti 334.941 | Ti            | n     | 0.06932762      | 0.06932762    | mg/L  | 22037.77425437   | 0.00200109       | 2.88643113          | 624.16666797   | 2.83            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.7380992              |
| Tl 190.794 | Tl            | n     | 0.00095405      | 0.00095405    | mg/L  | -18.10402037     | 0.00030189       | 31.64275339         | 0.73809037     | 4.08            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.927237446              |
| V 292.401  | V             | n     | 0.00284767      | 0.00284767    | mg/L  | 102.31900450     | 0.00043603       | 15.31191066         | 13.62181348    | 13.31           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.34252216              |
| Zn 206.200 | Zn            | n     | 9.28884236      | 9.28884236    | mg/L  | 394882.67554671  | 0.17257412       | 1.85786471          | 7324.00255613  | 1.85            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.74918326              |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 682581.17        | 0.02             | 2.31                | 15763.83       | 2.31            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.93            | 0.93          | Ratio | 241764.77        | 0.01             | 0.86                | 2074.40        | 0.86            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: MET09          | Lab ID: 504073-022   | Client ID: ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA |
| Seqnum: 674102920149 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: icp data       | Batch: 335079        | Time: 11-MAR-2024 20:32                                  |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                            |

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 3.719 | 190    | 0.50 |       | CO? u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 743787        | 681630       | -8.36  |

CO?=check for carryover u=use

|                                 |                    |                                |
|---------------------------------|--------------------|--------------------------------|
| Label: 504073-022,335079        | Rack/Tube: 2:59    | Type: Sample                   |
| Date Time: 3/11/2024 8:32:38 PM | Weight: 1          | VOLUME: 1                      |
| Dilution: 1                     | %RSE limit: -      | Calibration Coefficient [3]: - |
| LIMS ID: _____                  | Customer: _____    | Customer Ref.: _____           |
| Sample Date Time: _____         | Sample Site: _____ | Description: _____             |
| Replicates: 3                   |                    |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | 0.00003786      | 0.00003786    | mg/L  | 508.70603009     | 0.00020519       | 541.96149777        | 14.45192937    | 2.84            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.15820827              |
| Al 396.152 | Al            | n     | 1.63529091      | 1.63529091    | mg/L  | 51693.88463297   | 0.04659140       | 2.84912016          | 1435.44361890  | 2.78            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19509560              |
| As 188.980 | As            | n     | 0.02763499      | 0.02763499    | mg/L  | 125.49684800     | 0.00077982       | 2.82186217          | 2.95160123     | 2.35            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970806756              |
| B 249.678  | B             | n     | 0.01237511      | 0.01237511    | mg/L  | 537.19886786     | 0.00028542       | 2.30638787          | 9.46753529     | 1.76            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.77125030              |
| Ba 230.424 | Ba            | n     | 0.01155922      | 0.01155922    | mg/L  | 1152.92627511    | 0.00041823       | 3.61814338          | 31.72511297    | 2.75            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79779620              |
| Be 313.107 | Be            | n     | 0.00003843      | 0.00003843    | mg/L  | 154.52060408     | 0.00000313       | 8.13571100          | 6.73613061     | 4.36            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977337              |
| Ca 317.933 | Ca-R          | n     | 9.99032914      | 9.99032914    | mg/L  | 174602.47568991  | 0.03910827       | 0.39146126          | 674.68933095   | 0.39            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.83335081              |
| Cd 214.439 | Cd            | n     | 0.00027307      | 0.00027307    | mg/L  | 201.72021293     | 0.00003655       | 13.38391229         | 5.19937208     | 2.58            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.3120524              |
| Co 230.786 | Co            | n     | 0.00893252      | 0.00893252    | mg/L  | 592.80101511     | 0.00050783       | 5.68523678          | 16.75525272    | 2.83            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.51801491              |
| Cr 267.716 | Cr            | n     | 0.04246986      | 0.04246986    | mg/L  | 2632.65729220    | 0.00116042       | 2.73234054          | 63.16916193    | 2.40            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40269087              |
| Cu 324.754 | Cu            | n     | 1.02481348      | 1.02481348    | mg/L  | 34026.65183211   | 0.02082037       | 2.03162548          | 683.65950140   | 2.01            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.08530623              |
| Fe 259.940 | Fe            | no    | 67.72918762     | 67.72918762   | mg/L  | 3441649.49637483 | 1.58385141       | 2.33850643          | 80481.28311255 | 2.34            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.65764006              |
| K 766.491  | K-R           | n     | 3.04918100      | 3.04918100    | mg/L  | 6292.10733342    | 0.03886084       | 1.27446803          | 79.21165596    | 1.26            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482187              |
| Li 670.783 | Li-R          | n     | 0.00194319      | 0.00194319    | mg/L  | 295.43445065     | 0.00049292       | 25.36670491         | 66.84226202    | 22.63           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.5183073              |
| Mg 279.800 | Mg-R          | n     | 3.61083282      | 3.61083282    | mg/L  | 10926.42446476   | 0.01441834       | 0.39930781          | 42.87134309    | 0.39            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202996              |
| Mn 257.610 | Mn            | n     | 0.39856204      | 0.39856204    | mg/L  | 152951.87500988  | 0.01024312       | 2.57001886          | 3916.41083617  | 2.56            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.5153040              |
| Mo 204.598 | Mo            | n     | 0.00039620      | 0.00039620    | mg/L  | 12.57977273      | 0.00007599       | 19.18054133         | 0.48438699     | 3.85            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.038357850              |
| Na 589.592 | Na-R          | n     | 3.72794887      | 3.72794887    | mg/L  | 53778.04121462   | 0.01367511       | 0.36682668          | 190.46738014   | 0.35            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.03181813              |
| Ni 231.604 | Ni            | n     | 0.06563508      | 0.06563508    | mg/L  | 1313.88669571    | 0.00185650       | 2.82851219          | 34.67389105    | 2.64            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.05884246              |
| P 177.434  | P             | n     | 0.62888286      | 0.62888286    | mg/L  | 1746.03999920    | 0.01008972       | 1.60438820          | 27.88391437    | 1.60            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.595777997              |
| Pb 220.353 | Pb            | n     | 3.71945417      | 3.71945417    | mg/L  | 21877.06759853   | 0.07838708       | 2.10748882          | 466.89816297   | 2.13            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.315223265              |
| S 181.972  | S             | n     | 3.26095850      | 3.26095850    | mg/L  | 5371.25737008    | 0.02562778       | 0.78589708          | 42.05696422    | 0.78            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.069502906              |
| Sb 206.834 | Sb            | nu    | -0.00118960     | -0.00118960   | mg/L  | -35.73875170     | 0.00255760       | 214.99648034        | 5.37453148     | 15.04           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.395963625              |
| Se 196.026 | Se            | nu    | -0.00139975     | -0.00139975   | mg/L  | 50.29052909      | 0.00171035       | 122.18978890        | 4.45811776     | 8.86            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.548518762              |
| Si 251.611 | Si            | n     | 3.12018629      | 3.12018629    | mg/L  | 23251.26533926   | 0.05947404       | 1.90610534          | 441.51837036   | 1.90            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.716105561              |
| Sn 189.925 | Sn            | n     | 0.07831871      | 0.07831871    | mg/L  | 626.53264367     | 0.00143659       | 1.83428332          | 10.99909380    | 1.76            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.406152597              |
| Sr 421.552 | Sr-R          | n     | 0.01690469      | 0.01690469    | mg/L  | 9672.19615011    | 0.00012826       | 0.75874372          | 72.35768484    | 0.75            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0702575              |
| Ti 334.941 | Ti            | n     | 0.11609120      | 0.11609120    | mg/L  | 36628.97408760   | 0.00789965       | 6.80469147          | 2464.00077669  | 6.73            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.7380992              |
| Tl 190.794 | Tl            | n     | 0.00546995      | 0.00546995    | mg/L  | -7.34095492      | 0.00097177       | 17.76557601         | 2.37590400     | 32.37           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.927237446              |
| V 292.401  | V             | n     | 0.00448440      | 0.00448440    | mg/L  | 140.99656978     | 0.00020580       | 4.58929541          | 6.42934099     | 4.56            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.34252216              |
| Zn 206.200 | Zn            | n     | 10.27364969     | 10.27364969   | mg/L  | 436934.48802367  | 0.14578325       | 1.41900154          | 6187.00443562  | 1.42            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.74918326              |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 681629.63        | 0.02             | 2.42                | 16475.78       | 2.42            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.94            | 0.94          | Ratio | 243331.62        | 0.00             | 0.15                | 367.50         | 0.15            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY BLANK USER REPORT FOR 504073 METALS Wipe  
EPA 6010B

|                        |                      |                         |
|------------------------|----------------------|-------------------------|
| Inst: MET09            | Lab ID: QC1135479    |                         |
| Seqnum: 674102920124.2 | Matrix: Wipe         |                         |
| File: icp data         | Batch: 335079        | Time: 11-MAR-2024 19:14 |
| Cal: 674102920001      | Caldate: 11-MAR-2024 |                         |
| IDF: 1.0               | Raw Units: mg/L      | Units: ug/ft2           |

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw       | Result | RL   | Flags |
|---------|----|-----------|--------|------|-------|
| Lead    | A  | -0.001575 | ND     | 0.50 | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BLANK Abund | %Drift |
|---------------------|----|---------------|-------------|--------|
| Yttrium             | A  | 743787        | 676508      | -9.05  |

u=use



Label: BLANK, QC1135479, 335079

Rack/Tube: 2:38

Type: Sample

Date Time: 3/11/2024 7:14:44 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date  
Time:

Sample Site:

Description:

Replicates: 3

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.00021320      | 0.00021320    | mg/L  | 527.10838764  | 0.00022449       | 105.29474637        | 15.81121186  | 3.00            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 0.00746618      | 0.00746618    | mg/L  | 1291.50256672 | 0.00041919       | 5.61456145          | 12.91500714  | 1.00            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | nu    | 0.00039338      | 0.00039338    | mg/L  | 17.36427956   | 0.00204357       | 519.48322309        | 7.73484133   | 44.54           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | nu    | -0.00206689     | -0.00206689   | mg/L  | 96.62282012   | 0.00016431       | 7.94981206          | 5.45040686   | 5.64            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | nu    | -0.00082965     | -0.00082965   | mg/L  | 214.61501090  | 0.00012546       | 15.12198646         | 9.51683662   | 4.43            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |
| Be 313.107 | Be            | n     | 0.00004827      | 0.00004827    | mg/L  | 183.35021167  | 0.00000445       | 9.21480263          | 9.58298886   | 5.23            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 0.10467341      | 0.10467341    | mg/L  | 3934.42584263 | 0.00118009       | 1.12740175          | 20.35871331  | 0.52            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | nu    | 0.00002630      | 0.00002630    | mg/L  | 37.65071844   | 0.00007806       | 296.82657568        | 11.10510946  | 29.50           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | nu    | 0.00033865      | 0.00033865    | mg/L  | 251.73515804  | 0.00068453       | 202.13603545        | 22.58498070  | 8.97            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 0.00089351      | 0.00089351    | mg/L  | 355.50834849  | 0.00001498       | 1.67676985          | 0.81557165   | 0.23            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 0.00373888      | 0.00373888    | mg/L  | 520.53567223  | 0.00162190       | 43.37937395         | 53.25699355  | 10.23           | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |
| Fe 259.940 | Fe            | n     | 0.05976344      | 0.05976344    | mg/L  | 3108.31972722 | 0.00003294       | 0.05512020          | 1.67388973   | 0.05            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 0.04392353      | 0.04392353    | mg/L  | 143.85731874  | 0.01560199       | 35.52080760         | 31.80218831  | 22.11           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 0.00045675      | 0.00045675    | mg/L  | 19.69404907   | 0.00022463       | 49.17935126         | 30.46011790  | > 100.00        | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 0.01386580      | 0.01386580    | mg/L  | 103.21307339  | 0.00265497       | 19.14762890         | 7.89426551   | 7.65            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 0.00087451      | 0.00087451    | mg/L  | 666.22720862  | 0.00005444       | 6.22520871          | 20.81480058  | 3.12            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 0.00111865      | 0.00111865    | mg/L  | 11.95093578   | 0.00010199       | 9.11757435          | 0.65011433   | 5.44            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03837585084            |
| Na 589.592 | Na-R          | n     | 0.02613427      | 0.02613427    | mg/L  | 2318.63826883 | 0.00059540       | 2.27823879          | 8.29276448   | 0.36            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |
| Ni 231.604 | Ni            | nu    | 0.00005171      | 0.00005171    | mg/L  | 75.45919834   | 0.00021779       | 421.18280423        | 4.06764088   | 5.39            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |
| P 177.434  | P             | n     | 0.02797578      | 0.02797578    | mg/L  | 82.10917349   | 0.00121181       | 4.33165213          | 3.34896237   | 4.08            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | nu    | -0.00157548     | -0.00157548   | mg/L  | -290.51172504 | 0.00045679       | 28.99387089         | 2.72079953   | 0.94            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | n     | 0.04056060      | 0.04056060    | mg/L  | 82.63674735   | 0.00332309       | 8.19290789          | 5.45342627   | 6.60            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 0.00353925      | 0.00353925    | mg/L  | -34.94757479  | 0.00309552       | 87.46259506         | 6.50491544   | 18.61           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |
| Se 196.026 | Se            | n     | 0.00900370      | 0.00900370    | mg/L  | 88.69244686   | 0.00072817       | 8.08748229          | 1.89801674   | 2.14            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | n     | 0.04944641      | 0.04944641    | mg/L  | 458.73036964  | 0.01725518       | 34.89672643         | 128.09754879 | 27.92           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 0.02769988      | 0.02769988    | mg/L  | 239.33360762  | 0.00169774       | 6.12905072          | 12.99858689  | 5.43            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 0.00027832      | 0.00027832    | mg/L  | 180.73265181  | 0.00005663       | 20.34683779         | 31.94662878  | 17.68           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 0.00114203      | 0.00114203    | mg/L  | 757.63894706  | 0.00027234       | 23.84673162         | 84.94497268  | 11.21           | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 0.00943348      | 0.00943348    | mg/L  | 3.30730586    | 0.00192655       | 20.42247554         | 4.71027698   | > 100.00        | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |
| V 292.401  | V             | nu    | 0.00019586      | 0.00019586    | mg/L  | 49.37274312   | 0.00040257       | 205.54020636        | 12.57647946  | 25.47           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 0.00275422      | 0.00275422    | mg/L  | 147.82448852  | 0.00016363       | 5.94117374          | 6.94455321   | 4.70            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 676508.22     | 0.03             | 2.96                | 20020.98     | 2.96            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 239572.22     | 0.00             | 0.07                | 156.91       | 0.07            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY SPIKE USER REPORT FOR 504073 METALS Wipe  
EPA 6010B

|                         |                         |
|-------------------------|-------------------------|
| Type: BS                | Type: BSD               |
| Inst: MET09             | Inst: MET09             |
| Seqnum: 674102920125.2  | Seqnum: 674102920126.2  |
| File: icp data          | File: icp data          |
| IDF: 1.0                | IDF: 1.0                |
| Lab ID: QC1135480       | Lab ID: QC1135481       |
| Matrix: Wipe            | Matrix: Wipe            |
| Batch: 335079           | Batch: 335079           |
| Time: 11-MAR-2024 19:17 | Time: 11-MAR-2024 19:20 |
| Cal: 674102920001       | Cal: 674102920001       |
| Units: ug/ft2           |                         |

- BS: 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---------|--------|--------|-----------|----|------|---------|------------|----|------|--------|-----|-----|-------|
| Lead    | 50.00  | 1.036  | 51.82     | A  | 104  | 1.027   | 51.36      | A  | 103  | 80-120 | 1   | 20  | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BS Abund | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | A  | 743787        | 685025   | -7.90  |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BSD Abund | %Drift |
|---------------------|----|---------------|-----------|--------|
| Yttrium             | A  | 743787        | 683945    | -8.05  |

U=USE

Label: BS, QC1135480, 335079 Rack/Tube: 2:39 Type: Sample

Date Time: 3/11/2024 7:17:50 PM Weight: 1 Volume: 1

Dilution: 1 %RSE limit: - Calibration Coefficient [3]: -

LIMS ID: Customer: Customer Ref.: -

Sample Date Time: Sample Site: Description: -

Replicates: 3 Flags Replicate 1: - Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.49081388      | 0.49081388    | mg/L  | 35081.12456887   | 0.01003341       | 2.04423864          | 706.67450871   | 2.01            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.158208270             |
| Al 396.152 | Al            | n     | 0.99772893      | 0.99772893    | mg/L  | 31806.88755545   | 0.03413918       | 3.42168892          | 1051.80066124  | 3.31            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.195095606             |
| As 188.980 | As            | n     | 0.95894313      | 0.95894313    | mg/L  | 3645.53494387    | 0.02439025       | 2.54345112          | 92.31638297    | 2.53            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.9708067567             |
| B 249.678  | B             | n     | 0.93637522      | 0.93637522    | mg/L  | 31225.04996978   | 0.02097833       | 2.24037663          | 695.86743687   | 2.23            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.771250300             |
| Ba 230.424 | Ba            | n     | 1.03934180      | 1.03934180    | mg/L  | 79118.48201053   | 0.03787763       | 3.64438639          | 2873.23792107  | 3.63            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.797796200             |
| Be 313.107 | Be            | n     | 1.03376743      | 1.03376743    | mg/L  | 2227161.59797684 | 0.02942234       | 2.84612709          | 63385.59484705 | 2.85            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.9773374             |
| Ca 317.933 | Ca-R          | n     | 1.18148936      | 1.18148936    | mg/L  | 22522.80853171   | 0.00448330       | 0.37946145          | 77.34508590    | 0.34            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.833350810             |
| Cd 214.439 | Cd            | n     | 1.03979968      | 1.03979968    | mg/L  | 147960.15472609  | 0.02386751       | 2.29539488          | 3395.44696271  | 2.29            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.31205240             |
| Co 230.786 | Co            | n     | 1.05912854      | 1.05912854    | mg/L  | 35185.77973963   | 0.03204862       | 3.02594233          | 1057.39667962  | 3.01            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.518014917             |
| Cr 267.716 | Cr            | n     | 1.00627670      | 1.00627670    | mg/L  | 55085.33395632   | 0.03129112       | 3.10959351          | 1703.37574237  | 3.09            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.402690874             |
| Cu 324.754 | Cu            | n     | 1.08274184      | 1.08274184    | mg/L  | 35951.33193024   | 0.03067699       | 2.83326867          | 1007.31210248  | 2.80            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.085306234             |
| Fe 259.940 | Fe            | n     | 1.04304084      | 1.04304084    | mg/L  | 53074.52278209   | 0.03206103       | 3.07380362          | 1629.13806345  | 3.07            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.657640060             |
| K 766.491  | K-R           | n     | 10.05917333     | 10.05917333   | mg/L  | 20559.10129376   | 0.06977964       | 0.69369163          | 142.23474276   | 0.69            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482187              |
| Li 670.783 | Li-R          | n     | 1.07878137      | 1.07878137    | mg/L  | 146245.48575479  | 0.00633265       | 0.58701883          | 858.72958221   | 0.59            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830730             |
| Mg 279.800 | Mg-R          | n     | 1.08415695      | 1.08415695    | mg/L  | 3287.47615687    | 0.00736901       | 0.67969939          | 21.91093691    | 0.67            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202998              |
| Mn 257.610 | Mn            | n     | 1.04511512      | 1.04511512    | mg/L  | 399931.58663887  | 0.03367579       | 3.22220842          | 12875.78629854 | 3.22            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.51530400             |
| Mo 204.598 | Mo            | n     | 1.02099575      | 1.02099575    | mg/L  | 6512.86481618    | 0.03336642       | 3.26802759          | 212.67885879   | 3.27            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.0383578500             |
| Na 589.592 | Na-R          | n     | 1.53616029      | 1.53616029    | mg/L  | 23350.61376741   | 0.01981205       | 1.28971226          | 275.94282909   | 1.18            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.031818130             |
| Ni 231.604 | Ni            | n     | 1.03691770      | 1.03691770    | mg/L  | 19441.48876644   | 0.03109492       | 2.99878362          | 580.76161476   | 2.99            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.058842484             |
| P 177.434  | P             | n     | 0.03068517      | 0.03068517    | mg/L  | 89.64742852      | 0.00141962       | 4.62641930          | 3.92326916     | 4.38            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.5957779971             |
| Pb 220.353 | Pb            | n     | 1.03648309      | 1.03648309    | mg/L  | 5890.38265653    | 0.02595526       | 2.50416604          | 154.59769605   | 2.62            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.3152232651             |
| S 181.972  | S             | n     | 0.03340931      | 0.03340931    | mg/L  | 71.09014601      | 0.00468967       | 14.03702619         | 7.69608011     | 10.83           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.0695029080             |
| Sb 206.834 | Sb            | n     | 0.97156950      | 0.97156950    | mg/L  | 1999.36735025    | 0.03232923       | 3.32752604          | 67.93650960    | 3.40            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.3959636290             |
| Se 196.026 | Se            | n     | 0.90363240      | 0.90363240    | mg/L  | 2420.52794810    | 0.02373990       | 2.62716291          | 61.87918901    | 2.56            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.5485187620             |
| Si 251.611 | Si            | n     | 4.92183870      | 4.92183870    | mg/L  | 36630.08106816   | 0.12754268       | 2.59136254          | 946.84068076   | 2.58            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.7161055610             |
| Sn 189.925 | Sn            | n     | 0.02482310      | 0.02482310    | mg/L  | 217.34623316     | 0.00092527       | 3.72745111          | 7.08423396     | 3.26            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.4061525970             |
| Sr 421.552 | Sr-R          | n     | 1.12221844      | 1.12221844    | mg/L  | 633112.40839731  | 0.00417389       | 0.37193184          | 2354.63226905  | 0.37            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.07025750             |
| Ti 334.941 | Ti            | n     | 1.03663561      | 1.03663561    | mg/L  | 323741.96423860  | 0.04130848       | 3.98485978          | 12884.63973938 | 3.98            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809920             |
| Tl 190.794 | Tl            | n     | 1.05708426      | 1.05708426    | mg/L  | 2564.71057212    | 0.02972879       | 2.81233837          | 72.68471923    | 2.83            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.9272374480             |
| V 292.401  | V             | n     | 1.02809842      | 1.02809842    | mg/L  | 32160.48482043   | 0.02994447       | 2.91260726          | 935.47547264   | 2.91            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221610            |
| Zn 206.200 | Zn            | n     | 1.02431013      | 1.02431013    | mg/L  | 43516.33103947   | 0.01715813       | 1.67509149          | 728.18681068   | 1.67            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.7491832610            |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 685025.36        | 0.02             | 2.70                | 18488.30       | 2.70            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 239931.78        | 0.00             | 0.31                | 751.72         | 0.31            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

|                                 |                          |                                |
|---------------------------------|--------------------------|--------------------------------|
| Label: BSD, QC1135481, 335079   | Rack/Tube: 2:40          | Type: Sample                   |
| Date Time: 3/11/2024 7:20:58 PM | Weight: 1                | Volume: 1                      |
| Dilution: 1                     | %RSE limit: -            | Calibration Coefficient [3]: - |
| LIMS ID: _____                  | Customer: _____          | Customer Ref.: _____           |
| Sample Date Time: _____         | Sample Site: _____       | Description: _____             |
| Replicates: 3                   | Flags Replicate 1: _____ | Flags Replicate 2: _____       |
| Flags Replicate 3: _____        |                          |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.48854171      | 0.48854171    | mg/L  | 34921.09037775   | 0.01419836       | 2.90627300          | 1000.02084272  | 2.86            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 0.98853336      | 0.98853336    | mg/L  | 31523.55193904   | 0.04263864       | 4.31332372          | 1313.66229513  | 4.17            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 0.95809185      | 0.95809185    | mg/L  | 3642.31264200    | 0.03165722       | 3.30419454          | 119.82164768   | 3.29            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 0.93293408      | 0.93293408    | mg/L  | 31110.90400797   | 0.03137578       | 3.36312988          | 1040.75897837  | 3.35            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | n     | 1.02824793      | 1.02824793    | mg/L  | 78276.93942033   | 0.04765963       | 4.63503252          | 3615.25894950  | 4.62            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |
| Be 313.107 | Be            | n     | 1.03197046      | 1.03197046    | mg/L  | 2223290.31594235 | 0.04287187       | 4.15436952          | 92360.40389042 | 4.15            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 1.17919268      | 1.17919268    | mg/L  | 22483.08563459   | 0.00357822       | 0.30344632          | 61.73079934    | 0.27            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 1.03293171      | 1.03293171    | mg/L  | 146983.09913202  | 0.03805723       | 3.68438993          | 5414.10981132  | 3.68            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 1.05431570      | 1.05431570    | mg/L  | 35026.98641386   | 0.04009160       | 3.80261826          | 1322.76297093  | 3.78            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 1.00044292      | 1.00044292    | mg/L  | 54767.76148936   | 0.04115587       | 4.11376513          | 2240.37761474  | 4.09            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 1.07076972      | 1.07076972    | mg/L  | 35558.20731635   | 0.04191326       | 3.91431106          | 1376.26729490  | 3.87            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |
| Fe 259.940 | Fe            | n     | 1.04458989      | 1.04458989    | mg/L  | 53153.21577003   | 0.04078380       | 3.90428852          | 2072.37421685  | 3.90            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 9.94639834      | 9.94639834    | mg/L  | 20329.22297151   | 0.05979235       | 0.60114570          | 121.87721883   | 0.60            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 1.06466239      | 1.06466239    | mg/L  | 144330.90186790  | 0.00380405       | 0.35730104          | 515.84253091   | 0.36            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 1.07345448      | 1.07345448    | mg/L  | 3255.65148659    | 0.00204519       | 0.19052461          | 6.08116277     | 0.19            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 1.03827146      | 1.03827146    | mg/L  | 397314.92995334  | 0.04273275       | 4.11575903          | 16338.67587628 | 4.11            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 1.01130157      | 1.01130157    | mg/L  | 6451.07264728    | 0.04621554       | 4.56990644          | 294.57959620   | 4.57            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | n     | 1.52977143      | 1.52977143    | mg/L  | 23261.61575037   | 0.01079633       | 0.70574763          | 150.37156714   | 0.65            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |
| Ni 231.604 | Ni            | n     | 1.03287605      | 1.03287605    | mg/L  | 19366.00039428   | 0.04214556       | 4.08040813          | 787.15507008   | 4.06            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |
| P 177.434  | P             | n     | 0.02937136      | 0.02937136    | mg/L  | 86.01649346      | 0.00242983       | 8.27277694          | 6.71506038     | 7.81            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 1.02727857      | 1.02727857    | mg/L  | 5835.58075050    | 0.03648300       | 3.55142216          | 217.30424123   | 3.72            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | n     | 0.03142323      | 0.03142323    | mg/L  | 67.82948786      | 0.00171704       | 5.46424937          | 2.81778816     | 4.15            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 0.96353599      | 0.96353599    | mg/L  | 1982.48598805    | 0.04142571       | 4.29934271          | 87.05182891    | 4.39            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |
| Se 196.026 | Se            | n     | 0.89966925      | 0.89966925    | mg/L  | 2410.19690413    | 0.03192436       | 3.54845560          | 83.21240368    | 3.45            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | n     | 4.88923452      | 4.88923452    | mg/L  | 36388.03552593   | 0.17928890       | 3.66701379          | 1330.98992518  | 3.66            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 0.02499357      | 0.02499357    | mg/L  | 218.65100522     | 0.00068241       | 2.73034207          | 5.22480786     | 2.39            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 1.11167033      | 1.11167033    | mg/L  | 627161.80374202  | 0.00242807       | 0.21841596          | 1369.75440602  | 0.22            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 1.02350234      | 1.02350234    | mg/L  | 319645.52300979  | 0.04782128       | 4.67231774          | 14916.06676297 | 4.67            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 1.05208430      | 1.05208430    | mg/L  | 2552.48615644    | 0.03666754       | 3.48522832          | 89.64946686    | 3.51            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |
| V 292.401  | V             | n     | 1.01848523      | 1.01848523    | mg/L  | 31860.16905559   | 0.03960904       | 3.88901424          | 1237.39983555  | 3.88            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 1.03191016      | 1.03191016    | mg/L  | 43838.85222477   | 0.04039222       | 3.91431512          | 1714.23549410  | 3.91            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 683945.21        | 0.02             | 1.99                | 13593.04       | 1.99            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.93            | 0.93          | Ratio | 240949.05        | 0.00             | 0.32                | 779.03         | 0.32            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

|                |              |         |                   |
|----------------|--------------|---------|-------------------|
| Instrument:    | MET09        | Date:   | 11-MAR-2024 11:20 |
| Calibration #: | 674102920001 | X Axis: | R                 |
| Units:         | mg/L         |         |                   |

| Level | File     | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------|--------------|-----------|-------------------|-----------|
| L1    | icp data | 674102920002 | L1        | 11-MAR-2024 11:23 | S19988    |
| L2    | icp data | 674102920003 | L2        | 11-MAR-2024 11:26 | S19987    |
| L3    | icp data | 674102920004 | L3        | 11-MAR-2024 11:29 | S19986    |
| L4    | icp data | 674102920005 | L4        | 11-MAR-2024 11:32 | S19985    |
| L5    | icp data | 674102920006 | L5        | 11-MAR-2024 11:35 | S19984    |
| L6    | icp data | 674102920007 | L6        | 11-MAR-2024 11:38 | S19983    |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.04834 | 1.71E-4 |    | -13253 | 1.000          |      | 7 | 0.995              |       |

Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -78476 | -21477 | 3084.8 | 5727.7 | 5807.6 | 5817.0 |

| Spiked Amounts / Drifts | Ch | L1     | %D | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | 9  | 0.0100 | 16 | 0.1000 | 1  | 1.0000 | 3  | 5.0000 | 0  | 10.000 | 0  |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504073 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET09          | Cal Date: 11-MAR-2024 |
| Calnum: 674102920001 |                       |

- ICV 674102920010 (11-MAR-2024) stds: S20103

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.005 | mg/L  | 1  | 10  |       |

Label: ICALBLK

Rack: Tube: S1:1

Type: BLK

Date Time: 3/11/2024 11:20:00 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     | 0.00000000      | 0.00000000    | mg/L | 512.09600337  | -                | -                   | 6.76677889   | 1.32            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            | 0.00000                   |
| Al 396.152 | Al            | n     | 0.00000000      | 0.00000000    | mg/L | 1045.04044304 | -                | -                   | 49.01518414  | 4.69            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            | 0.00000                   |
| As 188.980 | As            | n     | 0.00000000      | 0.00000000    | mg/L | 9.37105566    | -                | -                   | 11.68767598  | > 100.00        | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            | 0.00000                   |
| B 249.678  | B             | n     | 0.00000000      | 0.00000000    | mg/L | 164.94379770  | -                | -                   | 17.86820731  | 10.83           | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            | 0.00000                   |
| Ba 230.424 | Ba            | n     | 0.00000000      | 0.00000000    | mg/L | 221.66926392  | -                | -                   | 16.17355882  | 7.30            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            | 0.00000                   |
| Be 313.107 | Be            | n     | 0.00000000      | 0.00000000    | mg/L | 92.14112948   | -                | -                   | 9.85152015   | 10.69           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            | 0.00000                   |
| Ca 317.933 | Ca-R          | n     | 0.00000000      | 0.00000000    | mg/L | 2125.92245510 | -                | -                   | 9.14543296   | 0.43            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            | 0.00000                   |
| Cd 214.439 | Cd            | n     | 0.00000000      | 0.00000000    | mg/L | 36.19335765   | -                | -                   | 7.12877912   | 19.70           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            | 0.00000                   |
| Co 230.786 | Co            | n     | 0.00000000      | 0.00000000    | mg/L | 240.94302749  | -                | -                   | 11.88154062  | 4.93            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            | 0.00000                   |
| Cr 267.716 | Cr            | n     | 0.00000000      | 0.00000000    | mg/L | 314.47758549  | -                | -                   | 14.20677207  | 4.52            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            | 0.00000                   |
| Cu 324.754 | Cu            | n     | 0.00000000      | 0.00000000    | mg/L | 483.96737872  | -                | -                   | 8.21477181   | 1.70            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            | 0.00000                   |
| Fe 259.940 | Fe            | n     | 0.00000000      | 0.00000000    | mg/L | 31.83014088   | -                | -                   | 12.89444270  | 40.51           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            | 0.00000                   |
| K 766.491  | K-R           | n     | 0.00000000      | 0.00000000    | mg/L | 178.49439460  | -                | -                   | 55.92866063  | 31.33           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            | 0.00000                   |
| Li 670.783 | Li-R          | n     | 0.00000000      | 0.00000000    | mg/L | 0.00000000    | -                | -                   | 19.29688885  | > 100.00        | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             | 0.00000                   |
| Mg 279.800 | Mg-R          | n     | 0.00000000      | 0.00000000    | mg/L | 62.59258164   | -                | -                   | 10.59975636  | 16.93           | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            | 0.00000                   |
| Mn 257.610 | Mn            | n     | 0.00000000      | 0.00000000    | mg/L | 331.76822448  | -                | -                   | 2.98282125   | 0.90            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            | 0.00000                   |
| Mo 204.598 | Mo            | n     | 0.00000000      | 0.00000000    | mg/L | -1.40568252   | -                | -                   | 6.62216929   | > 100.00        | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            | 0.00000                   |
| Na 589.592 | Na-R          | n     | 0.00000000      | 0.00000000    | mg/L | 1897.86309207 | -                | -                   | 273.10711028 | 14.39           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            | 0.00000                   |
| Ni 231.604 | Ni            | n     | 0.00000000      | 0.00000000    | mg/L | 76.44374327   | -                | -                   | 16.58996328  | 21.70           | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            | 0.00000                   |
| P 177.434  | P             | n     | 0.00000000      | 0.00000000    | mg/L | 4.79199859    | -                | -                   | 0.87485500   | 18.26           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            | 0.00000                   |
| Pb 220.353 | Pb            | n     | 0.00000000      | 0.00000000    | mg/L | -283.02314340 | -                | -                   | 1.22519490   | 0.43            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            | 0.00000                   |
| S 181.972  | S             | n     | 0.00000000      | 0.00000000    | mg/L | 16.06316393   | -                | -                   | 3.25734920   | 20.28           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            | 0.00000                   |
| Sb 206.834 | Sb            | n     | 0.00000000      | 0.00000000    | mg/L | -45.99775215  | -                | -                   | 5.81052272   | 12.63           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            | 0.00000                   |
| Se 196.026 | Se            | n     | 0.00000000      | 0.00000000    | mg/L | 65.82454130   | -                | -                   | 1.58415586   | 2.41            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            | 0.00000                   |
| Si 251.611 | Si            | n     | 0.00000000      | 0.00000000    | mg/L | 91.65415403   | -                | -                   | 8.78077049   | 9.58            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            | 0.00000                   |
| Sn 189.925 | Sn            | n     | 0.00000000      | 0.00000000    | mg/L | 28.52471460   | -                | -                   | 6.76276805   | 23.71           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            | 0.00000                   |
| Sr 421.552 | Sr-R          | n     | 0.00000000      | 0.00000000    | mg/L | 32.84997888   | -                | -                   | 23.33042040  | 71.02           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            | 0.00000                   |
| Ti 334.941 | Ti            | n     | 0.00000000      | 0.00000000    | mg/L | 412.31258784  | -                | -                   | 20.29386850  | 4.92            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             | 0.00000                   |
| Tl 190.794 | Tl            | n     | 0.00000000      | 0.00000000    | mg/L | -0.18952577   | -                | -                   | 6.07468562   | > 100.00        | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            | 0.00000                   |
| V 292.401  | V             | n     | 0.00000000      | 0.00000000    | mg/L | 51.56513923   | -                | -                   | 7.31698801   | 14.19           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            | 0.00000                   |
| Zn 206.200 | Zn            | n     | 0.00000000      | 0.00000000    | mg/L | 24.34521001   | -                | -                   | 4.20599505   | 17.28           | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             | 0.00000                   |
| Y 371.029  | Y             | 1.00  | 1.00            | Ratio         |      | 743787.40     | 0.00             | 0.00                | 3652.34      | 0.49            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00                      |
| Y 371.029  | Y-R           | 1.00  | 1.00            | Ratio         |      | 260011.66     | 0.00             | 0.00                | 1666.01      | 0.64            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00                      |

Label: ICAL.L1.S19988

Rack:Tube: S1:2

Type: STD

Date Time: 3/11/2024 11:23:07 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 528.76130751  | -                | -                   | 33.46640425  | 6.33            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |                           |
| Al 396.152 | Al            | n     | 0.00666667      | 0.00666667    | mg/L  | 1280.64270403 | -                | -                   | 15.27629453  | 1.19            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            | 0.0066666                 |
| As 188.980 | As            | n     | 0.00333333      | 0.00333333    | mg/L  | 25.59680201   | -                | -                   | 6.47111804   | 25.28           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            | 0.0033333                 |
| B 249.678  | B             | n     | 0.00333333      | 0.00333333    | mg/L  | 286.60230200  | -                | -                   | 16.02388828  | 5.59            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            | 0.0033333                 |
| Ba 230.424 | Ba            | n     | 0.00333333      | 0.00333333    | mg/L  | 540.97108700  | -                | -                   | 7.43619361   | 1.37            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            | 0.0033333                 |
| Be 313.107 | Be            | n     | 0.00100000      | 0.00100000    | mg/L  | 1962.10439425 | -                | -                   | 47.98276494  | 2.45            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            | 0.0010000                 |
| Ca 317.933 | Ca-R          | n     | 0.03333333      | 0.03333333    | mg/L  | 2721.52564629 | -                | -                   | 25.73977550  | 0.95            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            | 0.0333333                 |
| Cd 214.439 | Cd            | n     | 0.00166667      | 0.00166667    | mg/L  | 271.45703837  | -                | -                   | 8.31528616   | 3.06            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            | 0.0016666                 |
| Co 230.786 | Co            | n     | 0.00166667      | 0.00166667    | mg/L  | 296.97452443  | -                | -                   | 10.58488583  | 3.56            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            | 0.0016666                 |
| Cr 267.716 | Cr            | n     | 0.00333333      | 0.00333333    | mg/L  | 490.97206821  | -                | -                   | 7.70467022   | 1.57            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            | 0.0033333                 |
| Cu 324.754 | Cu            | n     | 0.00333333      | 0.00333333    | mg/L  | 576.47915646  | -                | -                   | 26.47350729  | 4.59            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            | 0.0033333                 |
| Fe 259.940 | Fe            | n     | 0.00666667      | 0.00666667    | mg/L  | 435.07907951  | -                | -                   | 8.21153574   | 1.89            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            | 0.0066666                 |
| K 766.491  | K-R           | n     | 0.06666667      | 0.06666667    | mg/L  | 242.35599725  | -                | -                   | 32.68228646  | 13.49           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            | 0.0666666                 |
| Li 670.783 | Li-R          | n     | 0.00333333      | 0.00333333    | mg/L  | 458.15384730  | -                | -                   | 172.43510553 | 37.64           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             | 0.0033333                 |
| Mg 279.800 | Mg-R          | n     | 0.03333333      | 0.03333333    | mg/L  | 160.66868610  | -                | -                   | 5.90234679   | 3.67            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            | 0.0333333                 |
| Mn 257.610 | Mn            | n     | 0.00333333      | 0.00333333    | mg/L  | 1597.46149272 | -                | -                   | 27.79504434  | 1.74            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            | 0.0033333                 |
| Mo 204.598 | Mo            | n     | 0.00333333      | 0.00333333    | mg/L  | 16.26500392   | -                | -                   | 8.72203490   | 53.62           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            | 0.0033333                 |
| Na 589.592 | Na-R          | n     | 0.06666667      | 0.06666667    | mg/L  | 2889.27818389 | -                | -                   | 393.65063568 | 13.62           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            | 0.0666666                 |
| Ni 231.604 | Ni            | n     | 0.00333333      | 0.00333333    | mg/L  | 135.56457190  | -                | -                   | 5.43510995   | 4.01            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            | 0.0033333                 |
| P 177.434  | P             | n     |                 |               | mg/L  | 4.65747547    | -                | -                   | 2.28990331   | 49.17           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |                           |
| Pb 220.353 | Pb            | n     | 0.00333333      | 0.00333333    | mg/L  | -261.58271261 | -                | -                   | 10.11306459  | 3.87            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            | 0.0033333                 |
| S 181.972  | S             | n     |                 |               | mg/L  | 13.68902749   | -                | -                   | 4.67597238   | 34.16           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |                           |
| Sb 206.834 | Sb            | n     | 0.01000010      | 0.01000010    | mg/L  | -26.32420363  | -                | -                   | 7.40348212   | 28.12           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            | 0.0100001                 |
| Se 196.026 | Se            | n     | 0.01000001      | 0.01000001    | mg/L  | 83.60913406   | -                | -                   | 8.37953405   | 10.02           | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            | 0.0100000                 |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 91.64309464   | -                | -                   | 9.61663042   | 10.49           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |                           |
| Sn 189.925 | Sn            | n     | 0.00333333      | 0.00333333    | mg/L  | 54.23213499   | -                | -                   | 5.01593165   | 9.25            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            | 0.0033333                 |
| Sr 421.552 | Sr-R          | n     | 0.01666667      | 0.01666667    | mg/L  | 9410.01307177 | -                | -                   | 22.56371047  | 0.24            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            | 0.0166666                 |
| Ti 334.941 | Ti            | n     | 0.00333333      | 0.00333333    | mg/L  | 1425.74979929 | -                | -                   | 32.33394457  | 2.27            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             | 0.0033333                 |
| Tl 190.794 | Tl            | n     | 0.01000010      | 0.01000010    | mg/L  | 6.06063658    | -                | -                   | 1.40429920   | 23.17           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            | 0.0100001                 |
| V 292.401  | V             | n     | 0.00166667      | 0.00166667    | mg/L  | 92.12315076   | -                | -                   | 6.37241668   | 6.92            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            | 0.0016666                 |
| Zn 206.200 | Zn            | n     | 0.01000010      | 0.01000010    | mg/L  | 479.19429156  | -                | -                   | 8.87152177   | 1.85            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             | 0.0100001                 |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 746101.54     | 0.01             | 0.92                | 6869.41      | 0.92            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.99                      |
| Y 371.029  | Y-R           |       | 1.01            | 1.01          | Ratio | 262496.41     | 0.00             | 0.30                | 785.96       | 0.30            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.01                      |



Label: ICAL\_L2,S19987

Rack/Tube: S1:3

Type: STD

Date Time: 3/11/2024 11:26:14 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity      | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|-------|----------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 475.50812741   | -                | -                   | 25.72384874  | 5.41            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |                           |
| Al 396.152 | Al            | n     | 0.02000000      | 0.02000000    | mg/L  | 1630.48803480  | -                | -                   | 38.03661391  | 2.33            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            | 0.020000                  |
| As 188.980 | As            | n     | 0.01000000      | 0.01000000    | mg/L  | 55.85162729    | -                | -                   | 2.80098213   | 5.02            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            | 0.010000                  |
| B 249.678  | B             | n     | 0.01000000      | 0.01000000    | mg/L  | 490.35490511   | -                | -                   | 30.93381543  | 6.31            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            | 0.010000                  |
| Ba 230.424 | Ba            | n     | 0.01000000      | 0.01000000    | mg/L  | 1044.38588798  | -                | -                   | 18.74888637  | 1.80            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            | 0.010000                  |
| Be 313.107 | Be            | n     | 0.00300000      | 0.00300000    | mg/L  | 6096.42269696  | -                | -                   | 174.41497887 | 2.86            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            | 0.003000                  |
| Ca 317.933 | Ca-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 3841.21732659  | -                | -                   | 52.51273687  | 1.37            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            | 0.100000                  |
| Cd 214.439 | Cd            | n     | 0.00500000      | 0.00500000    | mg/L  | 708.51315558   | -                | -                   | 25.14726891  | 3.55            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            | 0.005000                  |
| Co 230.786 | Co            | n     | 0.00500000      | 0.00500000    | mg/L  | 398.83842217   | -                | -                   | 16.62608391  | 4.17            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            | 0.005000                  |
| Cr 267.716 | Cr            | n     | 0.01000000      | 0.01000000    | mg/L  | 838.75325258   | -                | -                   | 12.22546457  | 1.46            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            | 0.010000                  |
| Cu 324.754 | Cu            | n     | 0.01000000      | 0.01000000    | mg/L  | 707.30786953   | -                | -                   | 3.69544920   | 0.52            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            | 0.010000                  |
| Fe 259.940 | Fe            | n     | 0.02000000      | 0.02000000    | mg/L  | 1070.23270179  | -                | -                   | 11.54257501  | 1.08            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            | 0.020000                  |
| K 766.491  | K-R           | n     | 0.20000000      | 0.20000000    | mg/L  | 478.76150136   | -                | -                   | 22.42571416  | 4.68            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            | 0.200000                  |
| Li 670.783 | Li-R          | n     | 0.01000000      | 0.01000000    | mg/L  | 1389.24762063  | -                | -                   | 110.02122296 | 7.92            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             | 0.010000                  |
| Mg 279.800 | Mg-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 347.73295014   | -                | -                   | 13.36239825  | 3.84            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            | 0.100000                  |
| Mn 257.610 | Mn            | n     | 0.01000000      | 0.01000000    | mg/L  | 4057.71366264  | -                | -                   | 125.31892497 | 3.09            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            | 0.010000                  |
| Mo 204.598 | Mo            | n     | 0.01000000      | 0.01000000    | mg/L  | 78.50989364    | -                | -                   | 5.13683855   | 6.54            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            | 0.010000                  |
| Na 589.592 | Na-R          | n     | 0.20000000      | 0.20000000    | mg/L  | 4467.22342268  | -                | -                   | 306.23109560 | 6.86            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            | 0.200000                  |
| Ni 231.604 | Ni            | n     | 0.01000000      | 0.01000000    | mg/L  | 262.24769816   | -                | -                   | 4.57111380   | 1.74            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            | 0.010000                  |
| P 177.434  | P             | n     |                 |               | mg/L  | 7.87245499     | -                | -                   | 3.54865859   | 45.08           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |                           |
| Pb 220.353 | Pb            | n     | 0.01000000      | 0.01000000    | mg/L  | -214.77213981  | -                | -                   | 2.31141776   | 1.08            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            | 0.010000                  |
| S 181.972  | S             | n     |                 |               | mg/L  | 17.50107999    | -                | -                   | 1.84487005   | 10.54           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |                           |
| Sb 206.834 | Sb            | n     | 0.03000030      | 0.03000030    | mg/L  | 22.36867331    | -                | -                   | 2.61183483   | 11.68           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            | 0.030000                  |
| Se 196.026 | Se            | n     | 0.03000003      | 0.03000003    | mg/L  | 134.45460315   | -                | -                   | 10.05080106  | 7.48            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            | 0.030000                  |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 99.34411515    | -                | -                   | 10.41064974  | 10.48           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |                           |
| Sn 189.925 | Sn            | n     | 0.01000000      | 0.01000000    | mg/L  | 101.46471595   | -                | -                   | 12.40247878  | 12.22           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            | 0.010000                  |
| Sr 421.552 | Sr-R          | n     | 0.05000000      | 0.05000000    | mg/L  | 28370.77220702 | -                | -                   | 124.81882627 | 0.44            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            | 0.050000                  |
| Ti 334.941 | Ti            | n     | 0.01000000      | 0.01000000    | mg/L  | 3434.89713218  | -                | -                   | 89.75496627  | 2.61            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             | 0.010000                  |
| Tl 190.794 | Tl            | n     | 0.03000030      | 0.03000030    | mg/L  | 45.11052995    | -                | -                   | 2.63657624   | 5.84            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            | 0.030000                  |
| V 292.401  | V             | n     | 0.00500000      | 0.00500000    | mg/L  | 200.94241155   | -                | -                   | 13.53951130  | 6.74            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            | 0.005000                  |
| Zn 206.200 | Zn            | n     | 0.03000030      | 0.03000030    | mg/L  | 1324.97210030  | -                | -                   | 35.63898261  | 2.69            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             | 0.030000                  |
| Y 371.029  | Y             |       | 1.01            | 1.01          | Ratio | 750440.76      | 0.01             | 0.56                | 4187.76      | 0.56            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.01                      |
| Y 371.029  | Y-R           |       | 1.01            | 1.01          | Ratio | 261717.96      | 0.01             | 0.91                | 2368.61      | 0.91            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00                      |

Label: ICAL.L3,S19986

Rack/Tube: S1:4

Type: STD

Date Time: 3/11/2024 11:29:22 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity       | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concns Replicate |
|------------|---------------|-------|-----------------|---------------|-------|-----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 486.10754373    | -                | -                   | 13.63563328   | 2.81            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |                  |
| Al 396.152 | Al            | n     | 0.20000000      | 0.20000000    | mg/L  | 6861.50691385   | -                | -                   | 128.87752092  | 1.88            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            | 0.2000           |
| As 188.980 | As            | n     | 0.10000000      | 0.10000000    | mg/L  | 371.75754813    | -                | -                   | 12.12151504   | 3.26            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            | 0.1000           |
| B 249.678  | B             | n     | 0.10000000      | 0.10000000    | mg/L  | 3349.96886156   | -                | -                   | 61.08611489   | 1.82            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            | 0.1000           |
| Ba 230.424 | Ba            | n     | 0.10000000      | 0.10000000    | mg/L  | 7831.84369280   | -                | -                   | 157.65990818  | 2.01            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            | 0.1000           |
| Be 313.107 | Be            | n     | 0.03000000      | 0.03000000    | mg/L  | 65618.00491582  | -                | -                   | 1182.65540929 | 1.80            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977373743           | 0.0300           |
| Ca 317.933 | Ca-R          | n     | 1.00000000      | 1.00000000    | mg/L  | 19440.57538757  | -                | -                   | 161.61993213  | 0.83            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            | 1.0000           |
| Cd 214.439 | Cd            | n     | 0.05000000      | 0.05000000    | mg/L  | 7179.88667587   | -                | -                   | 124.00158850  | 1.73            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            | 0.0500           |
| Co 230.786 | Co            | n     | 0.05000000      | 0.05000000    | mg/L  | 1892.97232047   | -                | -                   | 22.46080881   | 1.19            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            | 0.0500           |
| Cr 267.716 | Cr            | n     | 0.10000000      | 0.10000000    | mg/L  | 5749.00793338   | -                | -                   | 97.13206127   | 1.69            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            | 0.1000           |
| Cu 324.754 | Cu            | n     | 0.10000000      | 0.10000000    | mg/L  | 3668.68132589   | -                | -                   | 64.23144261   | 1.75            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            | 0.1000           |
| Fe 259.940 | Fe            | n     | 0.20000000      | 0.20000000    | mg/L  | 10236.41286066  | -                | -                   | 189.59110586  | 1.85            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            | 0.2000           |
| K 766.491  | K-R           | n     | 2.00000000      | 2.00000000    | mg/L  | 3843.25389351   | -                | -                   | 51.59093311   | 1.34            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            | 2.0000           |
| Li 670.783 | Li-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 13316.89438862  | -                | -                   | 40.18245706   | 0.30            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             | 0.1000           |
| Mg 279.800 | Mg-R          | n     | 1.00000000      | 1.00000000    | mg/L  | 3062.29547983   | -                | -                   | 28.28025986   | 0.92            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            | 1.0000           |
| Mn 257.610 | Mn            | n     | 0.10000000      | 0.10000000    | mg/L  | 38966.51002414  | -                | -                   | 548.55012879  | 1.41            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            | 0.1000           |
| Mo 204.598 | Mo            | n     | 0.10000000      | 0.10000000    | mg/L  | 622.28607763    | -                | -                   | 13.53553348   | 2.18            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            | 0.1000           |
| Na 589.592 | Na-R          | n     | 2.00000000      | 2.00000000    | mg/L  | 29817.00979697  | -                | -                   | 224.82311531  | 0.75            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            | 2.0000           |
| Ni 231.604 | Ni            | n     | 0.10000000      | 0.10000000    | mg/L  | 1924.97461286   | -                | -                   | 30.36249398   | 1.58            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            | 0.1000           |
| P 177.434  | P             | n     |                 |               | mg/L  | 2.93802180      | -                | -                   | 1.05563235    | 35.93           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |                  |
| Pb 220.353 | Pb            | n     | 0.10000000      | 0.10000000    | mg/L  | 308.48380859    | -                | -                   | 15.27899078   | 4.95            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            | 0.1000           |
| S 181.972  | S             | n     |                 |               | mg/L  | 20.30349919     | -                | -                   | 6.38599020    | 31.45           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |                  |
| Sb 206.834 | Sb            | n     | 0.30000300      | 0.30000300    | mg/L  | 570.91661242    | -                | -                   | 18.07691178   | 3.17            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            | 0.3000           |
| Se 196.026 | Se            | n     | 0.30000030      | 0.30000030    | mg/L  | 810.80548264    | -                | -                   | 30.84364158   | 3.80            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            | 0.3000           |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 105.46383139    | -                | -                   | 12.52553359   | 11.88           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |                  |
| Sn 189.925 | Sn            | n     | 0.10000000      | 0.10000000    | mg/L  | 779.71312770    | -                | -                   | 12.99779079   | 1.67            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            | 0.1000           |
| Sr 421.552 | Sr-R          | n     | 0.50000000      | 0.50000000    | mg/L  | 288063.54068648 | -                | -                   | 1695.49579123 | 0.59            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            | 0.5000           |
| Ti 334.941 | Ti            | n     | 0.10000000      | 0.10000000    | mg/L  | 31161.19436514  | -                | -                   | 560.91696879  | 1.80            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             | 0.1000           |
| Tl 190.794 | Tl            | n     | 0.30000300      | 0.30000300    | mg/L  | 704.49492108    | -                | -                   | 32.32993229   | 4.59            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            | 0.3000           |
| V 292.401  | V             | n     | 0.05000000      | 0.05000000    | mg/L  | 1574.97752939   | -                | -                   | 18.76176570   | 1.19            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            | 0.0500           |
| Zn 206.200 | Zn            | n     | 0.30000300      | 0.30000300    | mg/L  | 12644.42622290  | -                | -                   | 210.84747547  | 1.67            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             | 0.3000           |
| Y 371.029  | Y             |       | 0.99            | 0.99          | Ratio | 738350.66       | 0.01             | 0.84                | 6207.34       | 0.84            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.98             |
| Y 371.029  | Y-R           |       | 1.00            | 1.00          | Ratio | 261027.07       | 0.01             | 1.14                | 2965.65       | 1.14            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.01             |

Label: ICAL.L4.S19985

Rack/Tube: S1:5

Type: STD

Date Time: 3/11/2024 11:32:29 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | C R |
|------------|---------------|-------|-----------------|---------------|------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-----|
| Ag 328.068 | Ag            | n     |                 |               | mg/L | 475.19331179     | -                | -                   | 22.89613124    | 4.82            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |     |
| Al 396.152 | Al            | n     | 2.00000000      | 2.00000000    | mg/L | 61956.81659901   | -                | -                   | 1248.95049528  | 2.02            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            | 2   |
| As 188.980 | As            | n     | 1.00000000      | 1.00000000    | mg/L | 3788.26509668    | -                | -                   | 62.51157566    | 1.65            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            | 1   |
| B 249.678  | B             | n     | 1.00000000      | 1.00000000    | mg/L | 33598.14721304   | -                | -                   | 666.68435420   | 1.98            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            | 1   |
| Ba 230.424 | Ba            | n     | 1.00000000      | 1.00000000    | mg/L | 76436.49965243   | -                | -                   | 1651.00692277  | 2.16            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            | 1   |
| Be 313.107 | Be            | n     | 0.30000000      | 0.30000000    | mg/L | 683303.34702452  | -                | -                   | 11911.09132533 | 1.74            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            | 0   |
| Ca 317.933 | Ca-R          | n     | 10.00000000     | 10.00000000   | mg/L | 178028.73102287  | -                | -                   | 669.72764652   | 0.38            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            | 1   |
| Cd 214.439 | Cd            | n     | 0.50000000      | 0.50000000    | mg/L | 73181.84354800   | -                | -                   | 1496.08062344  | 2.04            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            | 0   |
| Co 230.786 | Co            | n     | 0.50000000      | 0.50000000    | mg/L | 16977.07645274   | -                | -                   | 290.57711688   | 1.71            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            | 0   |
| Cr 267.716 | Cr            | n     | 1.00000000      | 1.00000000    | mg/L | 55599.48430651   | -                | -                   | 986.89147819   | 1.78            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            | 1   |
| Cu 324.754 | Cu            | n     | 1.00000000      | 1.00000000    | mg/L | 34993.41922114   | -                | -                   | 658.30887652   | 1.88            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            | 1   |
| Fe 259.940 | Fe            | n     | 2.00000000      | 2.00000000    | mg/L | 103305.01992434  | -                | -                   | 1838.14019451  | 1.78            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            | 2   |
| K 766.491  | K-R           | n     | 20.00000000     | 20.00000000   | mg/L | 40131.56275350   | -                | -                   | 205.10117488   | 0.51            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            | 2   |
| Li 670.783 | Li-R          | n     | 1.00000000      | 1.00000000    | mg/L | 136399.35270386  | -                | -                   | 611.18094986   | 0.45            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             | 1   |
| Mg 279.800 | Mg-R          | n     | 10.00000000     | 10.00000000   | mg/L | 30456.97884135   | -                | -                   | 131.28758653   | 0.43            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            | 1   |
| Mn 257.610 | Mn            | n     | 1.00000000      | 1.00000000    | mg/L | 389801.30700972  | -                | -                   | 6591.76104002  | 1.69            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            | 1   |
| Mo 204.598 | Mo            | n     | 1.00000000      | 1.00000000    | mg/L | 6427.70454396    | -                | -                   | 190.27307103   | 2.96            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            | 1   |
| Na 589.592 | Na-R          | n     | 20.00000000     | 20.00000000   | mg/L | 282967.98701974  | -                | -                   | 771.78057024   | 0.27            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            | 2   |
| Ni 231.604 | Ni            | n     | 1.00000000      | 1.00000000    | mg/L | 19113.14181452   | -                | -                   | 319.70337499   | 1.67            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            | 1   |
| P 177.434  | P             | n     |                 |               | mg/L | 12.38311164      | -                | -                   | 4.11748263     | 33.25           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |     |
| Pb 220.353 | Pb            | n     | 1.00000000      | 1.00000000    | mg/L | 5727.66526233    | -                | -                   | 101.64778113   | 1.77            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            | 1   |
| S 181.972  | S             | n     |                 |               | mg/L | 27.87039363      | -                | -                   | 3.74527213     | 13.44           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |     |
| Sb 206.834 | Sb            | n     | 3.00003000      | 3.00003000    | mg/L | 6192.42751992    | -                | -                   | 136.08029131   | 2.20            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            | 3   |
| Se 196.026 | Se            | n     | 3.00000300      | 3.00000300    | mg/L | 7881.64648980    | -                | -                   | 249.37038201   | 3.16            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            | 3   |
| Si 251.611 | Si            | n     |                 |               | mg/L | 221.30797798     | -                | -                   | 11.98332485    | 5.41            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |     |
| Sn 189.925 | Sn            | n     | 1.00000000      | 1.00000000    | mg/L | 7845.22477090    | -                | -                   | 148.95261377   | 1.90            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            | 1   |
| Sr 421.552 | Sr-R          | n     | 5.00000000      | 5.00000000    | mg/L | 2929012.44240449 | -                | -                   | 11332.02497347 | 0.39            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            | 5   |
| Ti 334.941 | Ti            | n     | 1.00000000      | 1.00000000    | mg/L | 322149.59201359  | -                | -                   | 7073.94123646  | 2.20            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             | 1   |
| Tl 190.794 | Tl            | n     | 3.00003000      | 3.00003000    | mg/L | 7501.93691161    | -                | -                   | 195.64398916   | 2.61            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            | 3   |
| V 292.401  | V             | n     | 0.50000000      | 0.50000000    | mg/L | 16035.63665136   | -                | -                   | 299.50969183   | 1.87            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            | 0   |
| Zn 206.200 | Zn            | n     | 3.00003000      | 3.00003000    | mg/L | 128989.61883844  | -                | -                   | 2318.98456755  | 1.80            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             | 3   |
| Y 371.029  | Y             | 0.98  | 0.98            | Ratio         |      | 726456.50        | 0.01             | 0.98                | 7120.69        | 0.98            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0   |
| Y 371.029  | Y-R           | 0.98  | 0.98            | Ratio         |      | 255961.16        | 0.01             | 0.70                | 1781.42        | 0.70            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0   |

Label: ICAL.L5.S19984

Rack/Tube: S1:6

Type: STD

Date Time: 3/11/2024 11:35:36 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 508.08560052      | -                | -                   | 15.86490055    | 3.12            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.15820827              |
| Al 396.152 | Al            | n     | 10.00000000     | 10.00000000   | mg/L  | 320484.59198836   | -                | -                   | 8121.44904167  | 2.53            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19509560              |
| As 188.980 | As            | n     | 5.00000000      | 5.00000000    | mg/L  | 19095.16489052    | -                | -                   | 391.26017374   | 2.05            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970806756              |
| B 249.678  | B             | n     | 5.00000000      | 5.00000000    | mg/L  | 169212.13427237   | -                | -                   | 3697.10250636  | 2.18            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.77125030              |
| Ba 230.424 | Ba            | n     | 5.00000000      | 5.00000000    | mg/L  | 373283.93215244   | -                | -                   | 8556.76204916  | 2.29            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79779620              |
| Be 313.107 | Be            | n     | 1.50000000      | 1.50000000    | mg/L  | 3367650.36374654  | -                | -                   | 77702.65063491 | 2.31            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.977337              |
| Ca 317.933 | Ca-R          | n     | 50.00000000     | 50.00000000   | mg/L  | 857656.91130220   | -                | -                   | 4960.53461644  | 0.58            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.83335081              |
| Cd 214.439 | Cd            | n     | 2.50000000      | 2.50000000    | mg/L  | 354915.46625310   | -                | -                   | 6218.00002499  | 1.75            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.3120524              |
| Co 230.786 | Co            | n     | 2.50000000      | 2.50000000    | mg/L  | 81874.51146415    | -                | -                   | 1674.40599524  | 2.05            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.51801491              |
| Cr 267.716 | Cr            | n     | 5.00000000      | 5.00000000    | mg/L  | 272533.06131313   | -                | -                   | 5948.76553369  | 2.18            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40269087              |
| Cu 324.754 | Cu            | n     | 5.00000000      | 5.00000000    | mg/L  | 181072.42697044   | -                | -                   | 4334.76151096  | 2.39            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.08530623              |
| Fe 259.940 | Fe            | n     | 10.00000000     | 10.00000000   | mg/L  | 505695.87145137   | -                | -                   | 8820.87936631  | 1.74            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.65764006              |
| K 766.491  | K-R           | n     | 100.00000000    | 100.00000000  | mg/L  | 203549.75730761   | -                | -                   | 1181.03683676  | 0.58            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.341482187              |
| Li 670.783 | Li-R          | n     | 5.00000000      | 5.00000000    | mg/L  | 674118.70592169   | -                | -                   | 4099.26295219  | 0.61            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.5183073              |
| Mg 279.800 | Mg-R          | n     | 50.00000000     | 50.00000000   | mg/L  | 147645.43145770   | -                | -                   | 824.58411081   | 0.56            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390202998              |
| Mn 257.610 | Mn            | n     | 5.00000000      | 5.00000000    | mg/L  | 1883694.93985264  | -                | -                   | 45802.94132251 | 2.43            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.5153040              |
| Mo 204.598 | Mo            | n     | 5.00000000      | 5.00000000    | mg/L  | 32561.75959333    | -                | -                   | 1019.38395979  | 3.13            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.038357850              |
| Na 589.592 | Na-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 1366993.43925701  | -                | -                   | 8337.79279068  | 0.61            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.03181813              |
| Ni 231.604 | Ni            | n     | 5.00000000      | 5.00000000    | mg/L  | 92890.85860703    | -                | -                   | 1903.38523138  | 2.05            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.05884248              |
| P 177.434  | P             | n     |                 |               | mg/L  | -2.08675964       | -                | -                   | 6.14532968     | > 100.00        |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.595777997              |
| Pb 220.353 | Pb            | n     | 5.00000000      | 5.00000000    | mg/L  | 29038.00533775    | -                | -                   | 558.85438602   | 1.92            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.315223265              |
| S 181.972  | S             | n     |                 |               | mg/L  | 79.71458685       | -                | -                   | 4.01474597     | 5.04            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.069502908              |
| Sb 206.834 | Sb            | n     | 15.00015000     | 15.00015000   | mg/L  | 31772.17412340    | -                | -                   | 632.81983746   | 1.99            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.395963629              |
| Se 196.026 | Se            | n     | 15.00000000     | 15.00000000   | mg/L  | 39371.51991511    | -                | -                   | 816.39230227   | 2.07            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.548518762              |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 751.20504365      | -                | -                   | 36.11826854    | 4.81            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.716105561              |
| Sn 189.925 | Sn            | n     | 5.00000000      | 5.00000000    | mg/L  | 38421.69633212    | -                | -                   | 768.06051333   | 2.00            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.406152597              |
| Sr 421.552 | Sr-R          | n     | 25.00000000     | 25.00000000   | mg/L  | 14128856.58270690 | -                | -                   | 93983.03996691 | 0.67            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0702575              |
| Ti 334.941 | Ti            | n     | 5.00000000      | 5.00000000    | mg/L  | 1576857.55395569  | -                | -                   | 48327.42818776 | 3.06            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.7380992              |
| Tl 190.794 | Tl            | n     | 15.00015000     | 15.00015000   | mg/L  | 37046.88069996    | -                | -                   | 831.35514588   | 2.24            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.927237448              |
| V 292.401  | V             | n     | 2.50000000      | 2.50000000    | mg/L  | 79405.04072134    | -                | -                   | 1819.66693078  | 2.29            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.34252216              |
| Zn 206.200 | Zn            | n     | 15.00015000     | 15.00015000   | mg/L  | 607532.18963575   | -                | -                   | 16669.44954670 | 2.74            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.74918326              |
| Y 371.029  | Y             |       | 0.94            | 0.94          | Ratio | 702399.75         | 0.01             | 1.01                | 7101.50        | 1.01            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.96            | 0.96          | Ratio | 248834.37         | 0.00             | 0.18                | 447.14         | 0.18            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Label: ICAL\_L6.S19983

Rack/Tube: S1:7

Type: STD

Date Time: 3/11/2024 11:38:43 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 515.15591708      | -                | -                   | 9.48790456      | 1.84            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 20.00000000     | 20.00000000   | mg/L  | 667769.95776600   | -                | -                   | 16305.53879811  | 2.44            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 10.00000000     | 10.00000000   | mg/L  | 38459.04132113    | -                | -                   | 731.96303173    | 1.90            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 10.00000000     | 10.00000000   | mg/L  | 343709.13046828   | -                | -                   | 8304.81845359   | 2.42            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | n     | 10.00000000     | 10.00000000   | mg/L  | 743064.68844876   | -                | -                   | 19141.64100924  | 2.58            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962005            |
| Be 313.107 | Be            | n     | 3.00000000      | 3.00000000    | mg/L  | 6701662.61954061  | -                | -                   | 153003.03384187 | 2.28            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 1705237.54475790  | -                | -                   | 5882.25054617   | 0.34            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 5.00000000      | 5.00000000    | mg/L  | 689975.25724113   | -                | -                   | 21485.13138798  | 3.11            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 5.00000000      | 5.00000000    | mg/L  | 163519.05402151   | -                | -                   | 3171.49207427   | 1.94            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 10.00000000     | 10.00000000   | mg/L  | 541568.81299507   | -                | -                   | 12933.32708262  | 2.39            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 10.00000000     | 10.00000000   | mg/L  | 377097.39638290   | -                | -                   | 9537.36962250   | 2.53            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062345            |
| Fe 259.940 | Fe            | n     | 20.00000000     | 20.00000000   | mg/L  | 1004435.03113162  | -                | -                   | 22371.84767792  | 2.23            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 200.00000000    | 200.00000000  | mg/L  | 414567.32701218   | -                | -                   | 1565.75220532   | 0.38            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 10.00000000     | 10.00000000   | mg/L  | 1371472.67951008  | -                | -                   | 3702.05146876   | 0.27            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 296184.48373468   | -                | -                   | 606.39957471    | 0.20            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 10.00000000     | 10.00000000   | mg/L  | 3738183.90691070  | -                | -                   | 81122.74560662  | 2.17            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 10.00000000     | 10.00000000   | mg/L  | 64993.56450317    | -                | -                   | 2080.45132400   | 3.20            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | n     | 200.00000000    | 200.00000000  | mg/L  | 2747781.80295048  | -                | -                   | 13748.85717813  | 0.50            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181355            |
| Ni 231.604 | Ni            | n     | 10.00000000     | 10.00000000   | mg/L  | 185350.89016176   | -                | -                   | 3481.69467384   | 1.88            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424845            |
| P 177.434  | P             | n     |                 |               | mg/L  | 28.44481505       | -                | -                   | 4.78655304      | 16.83           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 10.00000000     | 10.00000000   | mg/L  | 58170.49630972    | -                | -                   | 1189.98822640   | 2.05            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | n     |                 |               | mg/L  | 136.18567322      | -                | -                   | 3.85078040      | 2.83            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 30.00030000     | 30.00030000   | mg/L  | 63700.44726133    | -                | -                   | 1501.85647405   | 2.36            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362985            |
| Se 196.026 | Se            | n     | 30.00000000     | 30.00000000   | mg/L  | 79342.90983211    | -                | -                   | 1740.28958493   | 2.19            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 1380.74888202     | -                | -                   | 64.53759764     | 4.67            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 10.00000000     | 10.00000000   | mg/L  | 76463.03067061    | -                | -                   | 1643.65579819   | 2.15            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 50.00000000     | 50.00000000   | mg/L  | 28083163.85219730 | -                | -                   | 34198.94018426  | 0.12            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 10.00000000     | 10.00000000   | mg/L  | 3176381.20202182  | -                | -                   | 97576.83292105  | 3.07            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.738099926            |
| Tl 190.794 | Tl            | n     | 30.00030000     | 30.00030000   | mg/L  | 74214.71064811    | -                | -                   | 1702.70438276   | 2.29            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744865            |
| V 292.401  | V             | n     | 5.00000000      | 5.00000000    | mg/L  | 160380.96053504   | -                | -                   | 3869.53411171   | 2.41            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 30.00030000     | 30.00030000   | mg/L  | 1175313.54371977  | -                | -                   | 36612.90642802  | 3.12            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 0.94            | 0.94          | Ratio | 699519.93         | 0.01             | 0.67                | 4667.71         | 0.67            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.95            | 0.95          | Ratio | 247054.95         | 0.00             | 0.30                | 736.96          | 0.30            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

|                                  |                      |                                |
|----------------------------------|----------------------|--------------------------------|
| Label: ICAL,L7,S20134            | Rack/Tube: S1:8      | Type: STD                      |
| Date Time: 3/11/2024 11:41:50 AM | Weight: -            | Volume: -                      |
| Dilution: -                      | %RSE limit: -        | Calibration Coefficient [3]: - |
| LIMS ID: -                       | Customer: -          | Customer Ref.: -               |
| Sample Date Time: -              | Sample Site: -       | Description: -                 |
| Replicates: 3                    | Flags Replicate 1: - | Flags Replicate 2: -           |
| Flags Replicate 3: -             |                      |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity       | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Conc Reps |
|------------|---------------|-------|-----------------|---------------|-------|-----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-----------|
| Ag 328.068 | Ag            | n     | 2.00000000      | 2.00000000    | mg/L  | 141376.41241991 | -                | -                   | 1834.56383679 | 1.30            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            | 2.00      |
| Al 396.152 | Al            | n     |                 |               | mg/L  | 1066.01472249   | -                | -                   | 22.48457344   | 2.11            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |           |
| As 188.980 | As            | n     |                 |               | mg/L  | 20.55695973     | -                | -                   | 3.78831571    | 18.43           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |           |
| B 249.678  | B             | n     |                 |               | mg/L  | 401.74014836    | -                | -                   | 17.08077961   | 4.25            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |           |
| Ba 230.424 | Ba            | n     |                 |               | mg/L  | 247.12493143    | -                | -                   | 20.83598323   | 8.43            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |           |
| Be 313.107 | Be            | n     |                 |               | mg/L  | 147.14784223    | -                | -                   | 35.69525192   | 24.26           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |           |
| Ca 317.933 | Ca-R          | n     |                 |               | mg/L  | 2181.33707312   | -                | -                   | 15.18503293   | 0.70            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |           |
| Cd 214.439 | Cd            | n     |                 |               | mg/L  | 45.27275578     | -                | -                   | 11.48625415   | 25.37           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |           |
| Co 230.786 | Co            | n     |                 |               | mg/L  | 254.29060314    | -                | -                   | 36.15655319   | 14.22           | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |           |
| Cr 267.716 | Cr            | n     |                 |               | mg/L  | 334.03780347    | -                | -                   | 13.98404916   | 4.19            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |           |
| Cu 324.754 | Cu            | n     |                 |               | mg/L  | 502.93780116    | -                | -                   | 11.46565129   | 2.28            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |           |
| Fe 259.940 | Fe            | n     |                 |               | mg/L  | 167.17531043    | -                | -                   | 28.44526245   | 17.02           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |           |
| K 766.491  | K-R           | n     |                 |               | mg/L  | 295.71721322    | -                | -                   | 56.64830275   | 19.16           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |           |
| Li 670.783 | Li-R          | n     |                 |               | mg/L  | -181.00389412   | -                | -                   | 158.78742557  | 87.73           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |           |
| Mg 279.800 | Mg-R          | n     |                 |               | mg/L  | 52.44321338     | -                | -                   | 1.87894372    | 3.58            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |           |
| Mn 257.610 | Mn            | n     |                 |               | mg/L  | 371.17440490    | -                | -                   | 11.35616934   | 3.06            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |           |
| Mo 204.598 | Mo            | n     |                 |               | mg/L  | 81.07918956     | -                | -                   | 8.92655795    | 11.01           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |           |
| Na 589.592 | Na-R          | n     |                 |               | mg/L  | 2158.54884384   | -                | -                   | 356.99613300  | 16.54           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |           |
| Ni 231.604 | Ni            | n     |                 |               | mg/L  | 95.56159712     | -                | -                   | 2.76856201    | 2.90            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |           |
| P 177.434  | P             | n     |                 |               | mg/L  | 1.25732474      | -                | -                   | 1.34225181    | > 100.00        |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |           |
| Pb 220.353 | Pb            | n     |                 |               | mg/L  | -289.07110925   | -                | -                   | 6.56603802    | 2.27            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |           |
| S 181.972  | S             | n     |                 |               | mg/L  | 13.33395906     | -                | -                   | 3.95535357    | 29.66           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |           |
| Sb 206.834 | Sb            | n     |                 |               | mg/L  | 2.00451739      | -                | -                   | 2.78802948    | > 100.00        | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |           |
| Se 196.026 | Se            | n     |                 |               | mg/L  | 86.70971683     | -                | -                   | 8.04411762    | 9.28            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |           |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 258.30533301    | -                | -                   | 16.80475249   | 6.51            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |           |
| Sn 189.925 | Sn            | n     |                 |               | mg/L  | 33.39617071     | -                | -                   | 3.83152583    | 11.47           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |           |
| Sr 421.552 | Sr-R          | n     |                 |               | mg/L  | 197.19215086    | -                | -                   | 47.32805734   | 24.00           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |           |
| Ti 334.941 | Ti            | n     |                 |               | mg/L  | 867.52897754    | -                | -                   | 88.55433382   | 10.21           | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.738099926            |           |
| Tl 190.794 | Tl            | n     |                 |               | mg/L  | 2.39722765      | -                | -                   | 1.88465868    | 78.62           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |           |
| V 292.401  | V             | n     |                 |               | mg/L  | 51.22672058     | -                | -                   | 6.40231621    | 12.50           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |           |
| Zn 206.200 | Zn            | n     |                 |               | mg/L  | 76.22086239     | -                | -                   | 14.40112332   | 18.89           | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |           |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 743336.64       | 0.01             | 1.01                | 7473.53       | 1.01            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.96      |
| Y 371.029  | Y-R           |       | 1.02            | 1.02          | Ratio | 264164.93       | 0.01             | 0.65                | 1725.85       | 0.65            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.02      |

Label: ICAL,L8,S19713

Rack/Tube: S1:9

Type: STD

Date Time: 3/11/2024 11:44:58 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity      | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Co R <sub>s</sub> |
|------------|---------------|-------|-----------------|---------------|-------|----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 513.74234028   | -                | -                   | 12.06559454   | 2.35            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |                   |
| Al 396.152 | Al            | n     |                 |               | mg/L  | 1106.90035538  | -                | -                   | 25.62440848   | 2.31            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |                   |
| As 188.980 | As            | n     |                 |               | mg/L  | 12.14616174    | -                | -                   | 6.85862844    | 56.47           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |                   |
| B 249.678  | B             | n     |                 |               | mg/L  | 295.40565906   | -                | -                   | 8.45894168    | 2.86            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |                   |
| Ba 230.424 | Ba            | n     |                 |               | mg/L  | 225.47395100   | -                | -                   | 16.42668689   | 7.29            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |                   |
| Be 313.107 | Be            | n     |                 |               | mg/L  | 133.41151894   | -                | -                   | 10.92256396   | 8.19            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |                   |
| Ca 317.933 | Ca-R          | n     |                 |               | mg/L  | 2144.61493958  | -                | -                   | 4.56673455    | 0.21            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |                   |
| Cd 214.439 | Cd            | n     |                 |               | mg/L  | 48.75222017    | -                | -                   | 12.42438044   | 25.48           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |                   |
| Co 230.786 | Co            | n     |                 |               | mg/L  | 257.92773365   | -                | -                   | 12.33602071   | 4.78            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |                   |
| Cr 267.716 | Cr            | n     |                 |               | mg/L  | 339.69511793   | -                | -                   | 19.41632194   | 5.72            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |                   |
| Cu 324.754 | Cu            | n     |                 |               | mg/L  | 515.86721127   | -                | -                   | 15.27178776   | 2.96            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |                   |
| Fe 259.940 | Fe            | n     |                 |               | mg/L  | 179.33447118   | -                | -                   | 23.05903495   | 12.86           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |                   |
| K 766.491  | K-R           | n     |                 |               | mg/L  | 204.58063344   | -                | -                   | 38.94597578   | 19.04           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |                   |
| Li 670.783 | Li-R          | n     |                 |               | mg/L  | -108.33881192  | -                | -                   | 132.83246313  | > 100.00        | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |                   |
| Mg 279.800 | Mg-R          | n     |                 |               | mg/L  | 55.52484479    | -                | -                   | 5.64842962    | 10.17           | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |                   |
| Mn 257.610 | Mn            | n     |                 |               | mg/L  | 356.83277832   | -                | -                   | 8.08863497    | 2.27            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |                   |
| Mo 204.598 | Mo            | n     |                 |               | mg/L  | 16.25726715    | -                | -                   | 6.86761787    | 42.24           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |                   |
| Na 589.592 | Na-R          | n     |                 |               | mg/L  | 2068.64511534  | -                | -                   | 336.35949705  | 16.26           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |                   |
| Ni 231.604 | Ni            | n     |                 |               | mg/L  | 78.19418941    | -                | -                   | 5.02005882    | 6.42            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |                   |
| P 177.434  | P             | n     | 10.00000000     | 10.00000000   | mg/L  | 27640.74977856 | -                | -                   | 340.72877491  | 1.23            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            | 10                |
| Pb 220.353 | Pb            | n     |                 |               | mg/L  | -275.90038226  | -                | -                   | 9.44187534    | 3.42            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |                   |
| S 181.972  | S             | n     | 10.00000000     | 10.00000000   | mg/L  | 16426.75819301 | -                | -                   | 160.40770318  | 0.98            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            | 10                |
| Sb 206.834 | Sb            | n     |                 |               | mg/L  | -34.60471912   | -                | -                   | 5.89283508    | 17.03           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |                   |
| Se 196.026 | Se            | n     |                 |               | mg/L  | 68.02200008    | -                | -                   | 4.84494999    | 7.12            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |                   |
| Si 251.611 | Si            | n     | 10.00000000     | 10.00000000   | mg/L  | 74328.81520964 | -                | -                   | 1144.17527830 | 1.54            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            | 10                |
| Sn 189.925 | Sn            | n     |                 |               | mg/L  | 29.06595309    | -                | -                   | 7.79005219    | 26.80           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |                   |
| Sr 421.552 | Sr-R          | n     |                 |               | mg/L  | 79.89208773    | -                | -                   | 19.85051476   | 24.85           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |                   |
| Ti 334.941 | Ti            | n     |                 |               | mg/L  | 828.48723149   | -                | -                   | 64.86447044   | 7.83            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |                   |
| Tl 190.794 | Tl            | n     |                 |               | mg/L  | 5.01440258     | -                | -                   | 4.27568561    | 85.27           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |                   |
| V 292.401  | V             | n     |                 |               | mg/L  | 47.03657422    | -                | -                   | 10.10380752   | 21.48           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |                   |
| Zn 206.200 | Zn            | n     |                 |               | mg/L  | 39.83516358    | -                | -                   | 1.93113354    | 4.85            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |                   |
| Y 371.029  | Y             |       | 1.02            | 1.02          | Ratio | 757081.32      | 0.01             | 1.05                | 7980.91       | 1.05            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 10                |
| Y 371.029  | Y-R           |       | 1.03            | 1.03          | Ratio | 266562.28      | 0.00             | 0.29                | 784.48        | 0.29            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 10                |

Label: ICV,S20103 Rack/Tube: S1:12 Type: QC  
 Date Time: 3/11/2024 11:48:05 AM Weight: - Volume: -  
 Dilution: - %RSE limit: - Calibration Coefficient [3]: -  
 LIMS ID: - Customer: - Customer Ref.: -  
 Sample Date: - Sample Site: - Description: -  
 Time: -  
 Replicates: 3 Flags Replicate 1: - Flags Replicate 2: -  
 Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.49771024      | 0.49771024    | mg/L  | 35567.07994696   | 0.00677419       | 1.36107174          | 477.12106887   | 1.34            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 1.06599878      | 1.06599878    | mg/L  | 34051.43912560   | 0.01971580       | 1.84951408          | 607.42785448   | 1.78            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 1.01574804      | 1.01574804    | mg/L  | 3860.58503332    | 0.01709945       | 1.68343389          | 64.72090655    | 1.68            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 1.04455617      | 1.04455617    | mg/L  | 34817.60550850   | 0.01732260       | 1.65836985          | 574.60415094   | 1.65            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | n     | 1.00681549      | 1.00681549    | mg/L  | 76669.20154917   | 0.01042891       | 1.03583108          | 791.09312028   | 1.03            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962005            |
| Be 313.107 | Be            | n     | 1.05280860      | 1.05280860    | mg/L  | 2268181.84804231 | 0.01531015       | 1.45421952          | 32983.20301701 | 1.45            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 51.30862687     | 51.30862687   | mg/L  | 887368.94784498  | 0.13981689       | 0.27250172          | 2412.09770786  | 0.27            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 1.02245633      | 1.02245633    | mg/L  | 145491.58522444  | 0.01253172       | 1.22564873          | 1782.79188665  | 1.23            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 1.02700862      | 1.02700862    | mg/L  | 34125.43202996   | 0.01323080       | 1.28828555          | 436.53075870   | 1.28            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 0.98997159      | 0.98997159    | mg/L  | 54202.21144903   | 0.01623066       | 1.63950718          | 883.53848747   | 1.63            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 1.06983069      | 1.06983069    | mg/L  | 35565.97312873   | 0.01576709       | 1.47379333          | 517.72962152   | 1.46            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062345            |
| Fe 259.940 | Fe            | n     | 1.01547891      | 1.01547891    | mg/L  | 51753.78474016   | 0.01650598       | 1.62543803          | 838.72923454   | 1.62            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 59.81510691     | 59.81510691   | mg/L  | 121990.37899457  | 0.24764168       | 0.41401194          | 504.77831543   | 0.41            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 1.01731399      | 1.01731399    | mg/L  | 137926.44890310  | 0.00494411       | 0.48599650          | 670.43875803   | 0.49            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 51.56736466     | 51.56736466   | mg/L  | 153393.98825927  | 0.11888509       | 0.23054328          | 353.49176963   | 0.23            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 1.01148822      | 1.01148822    | mg/L  | 387132.32617121  | 0.01668683       | 1.64973065          | 6380.13508052  | 1.65            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 1.00674538      | 1.00674538    | mg/L  | 6423.38860582    | 0.02875978       | 2.85670887          | 183.31597043   | 2.85            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | n     | 49.82572239     | 49.82572239   | mg/L  | 696017.68176211  | 0.05490982       | 0.11020375          | 764.78565329   | 0.11            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181355            |
| Ni 231.604 | Ni            | n     | 1.00723209      | 1.00723209    | mg/L  | 18895.20895151   | 0.01675548       | 1.66351692          | 312.94301763   | 1.66            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424845            |
| P 177.434  | P             | n     | 5.31935432      | 5.31935432    | mg/L  | 14705.56138293   | 0.06612260       | 1.24305691          | 182.73614183   | 1.24            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 1.00516557      | 1.00516557    | mg/L  | 5704.31707570    | 0.01550983       | 1.54301227          | 92.38142458    | 1.62            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | n     | 5.43750650      | 5.43750650    | mg/L  | 8944.84081274    | 0.04595951       | 0.84523129          | 75.42274462    | 0.84            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 0.98781566      | 0.98781566    | mg/L  | 2033.98726791    | 0.02060397       | 2.08581158          | 43.29710663    | 2.13            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362985            |
| Se 196.026 | Se            | n     | 1.00464908      | 1.00464908    | mg/L  | 2685.42284803    | 0.03344572       | 3.32909516          | 87.17790236    | 3.25            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | n     | 5.44159219      | 5.44159219    | mg/L  | 40492.30065550   | 0.10501228       | 1.92980802          | 779.58137348   | 1.93            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 5.09086093      | 5.09086093    | mg/L  | 39005.95001594   | 0.07254230       | 1.42495150          | 555.41330766   | 1.42            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 1.04878805      | 1.04878805    | mg/L  | 592000.01211661  | 0.00372156       | 0.35484361          | 2099.45727980  | 0.35            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 1.02923165      | 1.02923165    | mg/L  | 321441.63219161  | 0.02325450       | 2.25940349          | 7253.37346802  | 2.26            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 1.03315284      | 1.03315284    | mg/L  | 2505.77216449    | 0.01662820       | 1.60946149          | 40.65473180    | 1.62            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744865            |
| V 292.401  | V             | n     | 1.03431932      | 1.03431932    | mg/L  | 32338.78188690   | 0.01823102       | 1.76261069          | 569.54339992   | 1.76            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 1.00003421      | 1.00003421    | mg/L  | 42532.61184862   | 0.01482088       | 1.48203712          | 628.99435514   | 1.48            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             | 0.97  | 0.97            | 0.97          | Ratio | 720370.49        | 0.01             | 0.74                | 5325.60        | 0.74            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | 0.97  | 0.97            | 0.97          | Ratio | 253349.75        | 0.00             | 0.05                | 118.63         | 0.05            |             | -                 | -               | -                       | Fitted                | -                           | -                           |



ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920012 | File: icp data       | Time: 11-MAR-2024 11:54 |
| Cal: 674102920002    | Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 744090 | 0.04   |
| Yttrium             | R  | 260012        | 264888 | 1.88   |

|                                  |                 |                                |
|----------------------------------|-----------------|--------------------------------|
| Label: ICB                       | Rack/Tube: S1:1 | Type: QC                       |
| Date Time: 3/11/2024 11:54:20 AM | Weight: -       | Volume: -                      |
| Dilution: -                      | %RSE limit: -   | Calibration Coefficient [3]: - |
| LIMS ID: -                       | Customer: -     | Customer Ref.: -               |
| Sample Date Time: -              | Sample Site: -  | Description: -                 |
| Replicates: 3                    |                 |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00008460     | -0.00008460   | mg/L  | 506.13686544  | 0.00021762       | 257.22684237        | 15.32756768  | 3.03            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | nu    | -0.00108214     | -0.00108214   | mg/L  | 1027.71809460 | 0.00106039       | 97.99014984         | 32.66991074  | 3.18            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | nu    | -0.00013154     | -0.00013154   | mg/L  | 15.37311442   | 0.00121710       | 925.29993043        | 4.60670304   | 29.97           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 0.00058364      | 0.00058364    | mg/L  | 184.56820075  | 0.00032209       | 55.18676321         | 10.68396721  | 5.79            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | nu    | -0.00063795     | -0.00063795   | mg/L  | 229.14432851  | 0.00005087       | 7.97377046          | 3.85868521   | 1.68            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |
| Be 313.107 | Be            | n     | 0.00001902      | 0.00001902    | mg/L  | 120.32666583  | 0.00000903       | 47.46320954         | 19.44353596  | 16.16           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 0.00112891      | 0.00112891    | mg/L  | 2147.95463849 | 0.00097133       | 86.04139917         | 16.75719423  | 0.78            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | nu    | 0.00000185      | 0.00000185    | mg/L  | 34.06956408   | 0.00002228       | 1203.25821119       | 3.16975598   | 9.30            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 0.00042315      | 0.00042315    | mg/L  | 254.47657103  | 0.00018543       | 43.82113980         | 6.11789460   | 2.40            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | nu    | 0.00020672      | 0.00020672    | mg/L  | 318.10481311  | 0.00025052       | 121.18616492        | 13.63744700  | 4.29            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | nZ    | 0.00348864      | 0.00348864    | mg/L  | 512.32456625  | 0.00023524       | 6.74315805          | 7.72449809   | 1.51            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |
| Fe 259.940 | Fe            | nu    | -0.00080649     | -0.00080649   | mg/L  | 30.45723936   | 0.00022743       | 28.20033403         | 11.55666789  | 37.94           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 0.05554982      | 0.05554982    | mg/L  | 167.52519733  | 0.01728653       | 31.11895856         | 35.23584208  | 21.03           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | nu    | -0.00099058     | -0.00099058   | mg/L  | -176.61651322 | 0.00028940       | 29.21522103         | 39.24371005  | 22.22           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | nu    | -0.00483680     | -0.00483680   | mg/L  | 47.49849562   | 0.00157847       | 32.63463901         | 4.69341428   | 9.88            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | nu    | 0.00001107      | 0.00001107    | mg/L  | 335.86229485  | 0.00002627       | 237.20837145        | 10.04307449  | 2.99            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | nu    | -0.00040094     | -0.00040094   | mg/L  | 2.26029372    | 0.00158198       | 394.56724337        | 10.08356968  | > 100.00        | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | nu    | -0.01472291     | -0.01472291   | mg/L  | 1749.56867654 | 0.01424857       | 96.77818555         | 198.45451959 | 11.34           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |
| Ni 231.604 | Ni            | nu    | -0.00009276     | -0.00009276   | mg/L  | 72.74440864   | 0.00069142       | 745.39822001        | 12.91377525  | 17.75           | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |
| P 177.434  | P             | nu    | 0.00073790      | 0.00073790    | mg/L  | 6.83129422    | 0.00116535       | 157.92739597        | 3.22054405   | 47.14           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | nu    | -0.00021138     | -0.00021138   | mg/L  | -282.38757879 | 0.00172137       | 814.33546854        | 10.25300812  | 3.63            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nu    | -0.00126780     | -0.00126780   | mg/L  | 13.98244458   | 0.00344209       | 271.50033387        | 5.64871587   | 40.40           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | nu    | 0.00065275      | 0.00065275    | mg/L  | -41.02116207  | 0.00219329       | 336.00785429        | 4.60896028   | 11.24           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |
| Se 196.026 | Se            | nu    | -0.00152771     | -0.00152771   | mg/L  | 61.24954246   | 0.00169802       | 111.14797715        | 4.42597000   | 7.23            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | n     | 0.00147537      | 0.00147537    | mg/L  | 102.60619993  | 0.00122488       | 83.02224285         | 9.09317389   | 8.86            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 0.00097565      | 0.00097565    | mg/L  | 34.72090395   | 0.00024695       | 25.31121004         | 1.89073928   | 5.45            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | nu    | 0.00000682      | 0.00000682    | mg/L  | 26.87826224   | 0.00000848       | 124.30605909        | 4.78223877   | 17.79           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 0.00027196      | 0.00027196    | mg/L  | 486.23020237  | 0.00002193       | 8.06269311          | 6.83941197   | 1.41            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | nZ    | 0.01029276      | 0.01029276    | mg/L  | 5.40940716    | 0.00020810       | 2.02180753          | 0.50878877   | 9.41            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |
| V 292.401  | V             | nu    | 0.00006690      | 0.00006690    | mg/L  | 45.40788769   | 0.00057405       | 858.04630240        | 17.93359822  | 39.49           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | nu    | -0.00008822     | -0.00008822   | mg/L  | 26.40807866   | 0.00003334       | 37.79379351         | 1.41494105   | 5.36            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 744090.06     | 0.01             | 1.40                | 10430.15     | 1.40            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.02            | 1.02          | Ratio | 264888.36     | 0.00             | 0.16                | 435.61       | 0.16            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920014 | File: icp data          |
| Cal: 674102920002    | Time: 11-MAR-2024 12:03 |
| Caldate: 11-MAR-2024 |                         |

Standards: S20136

| Analyte | Ch | Quant      | IQL      | Units | Flags |
|---------|----|------------|----------|-------|-------|
| Lead    | A  | [0.002153] | 0.003333 | mg/L  |       |

| Interferent                                | Ch | Spiked | Quant | Units | %Rec | Flags |
|--------------------------------------------|----|--------|-------|-------|------|-------|
| Aluminum                                   | A  | 400.0  | 391.8 | mg/L  | 98   |       |
| Aluminum as Al <sub>2</sub> O <sub>3</sub> | A  | 755.8  | 740.3 | mg/L  | 98   |       |
| Iron                                       | A  | 160.0  | 142.7 | mg/L  | 89   |       |
| Iron as Fe <sub>2</sub> O <sub>3</sub>     | A  | 228.8  | 204.0 | mg/L  | 89   |       |
| Calcium                                    | R  | 400.0  | 383.1 | mg/L  | 96   |       |
| Calcium as CaCO <sub>3</sub>               | R  | 998.9  | 956.6 | mg/L  | 96   |       |
| Magnesium                                  | R  | 400.0  | 398.5 | mg/L  | 100  |       |
| Magnesium as MgCO <sub>3</sub>             | R  | 1388   | 1383  | mg/L  | 100  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 674502 | -9.32  |
| Yttrium             | R  | 260012        | 238971 | -8.09  |

|                   |                       |              |       |                              |    |
|-------------------|-----------------------|--------------|-------|------------------------------|----|
| Label:            | ICSA,S20136           | Rack/Tube:   | S1:14 | Type:                        | QC |
| Date Time:        | 3/11/2024 12:03:41 PM | Weight:      | -     | Volume:                      | -  |
| Dilution:         | -                     | %RSE limit:  | -     | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                     | Customer:    | -     | Customer Ref.:               | -  |
| Sample Date Time: | -                     | Sample Site: | -     | Description:                 | -  |
| Replicates:       | 3                     |              |       |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | 0.00002575      | 0.00002575    | mg/L  | 515.94749768      | 0.00005535       | 214.93544526        | 3.89857489      | 0.76            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.11                    |
| Al 396.152 | Al            | no    | 391.78978584    | 391.78978584  | mg/L  | 12073376.25766160 | 3.89177679       | 0.99333289          | 119902.51054178 | 0.99            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.19                    |
| As 188.980 | As            | n     | 0.00150673      | 0.00150673    | mg/L  | 38.02114007       | 0.00089136       | 59.15828545         | 3.37375336      | 8.87            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.970                    |
| B 249.678  | B             | nu    | 0.00012537      | 0.00012537    | mg/L  | 139.82072071      | 0.00023339       | 186.15582011        | 7.74160350      | 5.54            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7                     |
| Ba 230.424 | Ba            | n     | 0.00137419      | 0.00137419    | mg/L  | 700.13240562      | 0.00003803       | 2.76760289          | 2.88495945      | 0.41            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.79                    |
| Be 313.107 | Be            | n     | 0.00002264      | 0.00002264    | mg/L  | 104.01999711      | 0.00001888       | 83.40304137         | 40.67331293     | 39.10           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335                     |
| Ca 317.933 | Ca-R          | no    | 383.05213729    | 383.05213729  | mg/L  | 6614278.77740139  | 3.70907321       | 0.96829461          | 63988.31291228  | 0.97            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8                     |
| Cd 214.439 | Cd            | n     | 0.00044551      | 0.00044551    | mg/L  | 399.08735636      | 0.00005991       | 13.44666956         | 8.52248438      | 2.14            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.1                    |
| Co 230.786 | Co            | nu    | -0.00127555     | -0.00127555   | mg/L  | 324.61582817      | 0.00015803       | 12.38917709         | 5.21395029      | 1.61            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5                     |
| Cr 267.716 | Cr            | n     | 0.00011451      | 0.00011451    | mg/L  | 412.19303126      | 0.00008748       | 76.39195591         | 4.76197033      | 1.16            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.40                    |
| Cu 324.754 | Cu            | nKu   | -0.00725358     | -0.00725358   | mg/L  | 446.87341288      | 0.00084600       | 11.66326440         | 27.77945314     | 6.22            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.00                    |
| Fe 259.940 | Fe            | no    | 142.71375527    | 142.71375527  | mg/L  | 7252727.68358357  | 1.84678251       | 1.29404661          | 93841.77438758  | 1.29            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.60                    |
| K 766.491  | K-R           | nu    | -0.02601930     | -0.02601930   | mg/L  | 210.15573596      | 0.00961889       | 36.96828281         | 19.60657822     | 9.33            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34                     |
| Li 670.783 | Li-R          | nu    | -0.00051226     | -0.00051226   | mg/L  | 83.28973465       | 0.00058560       | 114.31617760        | 79.40876489     | 95.34           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.1                    |
| Mg 279.800 | Mg-R          | no    | 398.53210113    | 398.53210113  | mg/L  | 1185333.88917921  | 3.65095113       | 0.91609964          | 10855.70231893  | 0.92            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.390                    |
| Mn 257.610 | Mn            | nu    | 0.00002915      | 0.00002915    | mg/L  | 1341.17357709     | 0.00007575       | 259.85687302        | 28.96409251     | 2.16            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.1                    |
| Mo 204.598 | Mo            | nKu   | -0.00386596     | -0.00386596   | mg/L  | 29.37237567       | 0.00177827       | 45.99803453         | 11.33473710     | 38.59           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.030                    |
| Na 589.592 | Na-R          | n     | 0.06282094      | 0.06282094    | mg/L  | 3301.12793197     | 0.02254102       | 35.88138694         | 313.95208857    | 9.51            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.00                    |
| Ni 231.604 | Ni            | nKu   | -0.00570526     | -0.00570526   | mg/L  | 83.68959016       | 0.00028318       | 4.96355599          | 5.28904029      | 6.32            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.00                    |
| P 177.434  | P             | nu    | -0.00144666     | -0.00144666   | mg/L  | 9.33326813        | 0.00059451       | 41.09530308         | 1.64298259      | 17.60           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.590                    |
| Pb 220.353 | Pb            | nu    | 0.00215345      | 0.00215345    | mg/L  | -1056.38783741    | 0.00197736       | 91.82308455         | 11.77780821     | 1.11            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.310                    |
| S 181.972  | S             | n     | 0.06943301      | 0.06943301    | mg/L  | 191.74352040      | 0.00372102       | 5.35915555          | 6.10645717      | 3.18            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.060                    |
| Sb 206.834 | Sb            | nu    | -0.00189409     | -0.00189409   | mg/L  | -38.38510299      | 0.00190912       | 100.79355817        | 4.01181863      | 10.45           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.390                    |
| Se 196.026 | Se            | nu    | 0.00236730      | 0.00236730    | mg/L  | 86.89114127       | 0.00349771       | 147.75122302        | 9.11695071      | 10.49           | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.540                    |
| Si 251.611 | Si            | nu    | -0.00184253     | -0.00184253   | mg/L  | 126.44030679      | 0.00205075       | 111.30083620        | 15.22419639     | 12.04           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.710                    |
| Sn 189.925 | Sn            | nu    | -0.00034574     | -0.00034574   | mg/L  | 40.59521856       | 0.00130338       | 376.98590078        | 9.97924472      | 24.58           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.400                    |
| Sr 421.552 | Sr-R          | nu    | -0.00180827     | -0.00180827   | mg/L  | 1524.32025844     | 0.00006152       | 3.40225028          | 34.70657434     | 2.28            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.0                    |
| Ti 334.941 | Ti            | nu    | -0.00013365     | -0.00013365   | mg/L  | 562.14472786      | 0.00003197       | 23.91880184         | 9.97082574      | 1.77            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.0                    |
| Tl 190.794 | Tl            | nK    | 0.01240758      | 0.01240758    | mg/L  | 3.57593077        | 0.00155848       | 12.56072171         | 3.81037513      | > 100.00        | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.920                    |
| V 292.401  | V             | nu    | -0.00120981     | -0.00120981   | mg/L  | -211.00744374     | 0.00064209       | 53.07378251         | 20.05923605     | 9.51            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.30                    |
| Zn 206.200 | Zn            | nKu   | -0.05213958     | -0.05213958   | mg/L  | 132.02095994      | 0.00024129       | 0.46277966          | 10.24034599     | 7.76            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.70                    |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 674502.30         | 0.01             | 0.94                | 6318.87         | 0.94            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 238970.73         | 0.01             | 1.11                | 2650.51         | 1.11            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920016 | File: icp data          |
| Cal: 674102920002    | Time: 11-MAR-2024 12:11 |
| Caldate: 11-MAR-2024 |                         |

Standards: S20133

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.028 | mg/L  | 3  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 672110 | -9.64  |
| Yttrium             | R  | 260012        | 239703 | -7.81  |

|                   |                       |              |       |                              |    |
|-------------------|-----------------------|--------------|-------|------------------------------|----|
| Label:            | ICSAB,S20133          | Rack/Tube:   | S1:15 | Type:                        | QC |
| Date Time:        | 3/11/2024 12:11:48 PM | Weight:      | -     | Volume:                      | -  |
| Dilution:         | -                     | %RSE limit:  | -     | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                     | Customer:    | -     | Customer Ref.:               | -  |
| Sample Date Time: | -                     | Sample Site: | -     | Description:                 | -  |
| Replicates:       | 3                     |              |       |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coeffi |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|--------------------|
| Ag 328.068 | Ag            | n!    | 1.10295879      | 1.10295879    | mg/L  | 78198.02400018    | 0.01211075       | 1.09802385          | 852.98630410    | 1.09            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582         |
| Al 396.152 | Al            | n!o   | 404.37008178    | 404.37008178  | mg/L  | 12461007.65735880 | 4.62080609       | 1.14271711          | 142363.31645908 | 1.14            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950         |
| As 188.980 | As            | n!u   | -0.00249104     | -0.00249104   | mg/L  | 23.29573184       | 0.00169798       | 68.16350371         | 6.42680032      | 27.59           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080         |
| B 249.678  | B             | n!u   | -0.00011361     | -0.00011361   | mg/L  | 131.43144487      | 0.00059446       | 523.26194216        | 19.71885864     | 15.00           | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712         |
| Ba 230.424 | Ba            | n!    | 0.52400798      | 0.52400798    | mg/L  | 40353.39671938    | 0.00662716       | 1.26470659          | 502.70876666    | 1.25            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977         |
| Be 313.107 | Be            | n!    | 0.54718212      | 0.54718212    | mg/L  | 1178868.80102247  | 0.00417708       | 0.76338091          | 8998.84209157   | 0.76            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97         |
| Ca 317.933 | Ca-R          | n!o   | 392.82799441    | 392.82799441  | mg/L  | 6783029.97658924  | 2.19875016       | 0.55972339          | 37932.47136679  | 0.56            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333         |
| Cd 214.439 | Cd            | n!    | 1.03095019      | 1.03095019    | mg/L  | 147008.16729149   | 0.00629546       | 0.61064676          | 895.60725601    | 0.61            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312         |
| Co 230.786 | Co            | n!    | 0.50791993      | 0.50791993    | mg/L  | 17127.71738138    | 0.00229722       | 0.45228038          | 75.79344104     | 0.44            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180         |
| Cr 267.716 | Cr            | n!    | 0.51390653      | 0.51390653    | mg/L  | 28383.77181533    | 0.00436177       | 0.84874676          | 237.43879850    | 0.84            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026         |
| Cu 324.754 | Cu            | n!    | 0.59376291      | 0.59376291    | mg/L  | 20189.36746833    | 0.00486222       | 0.81888208          | 159.65620607    | 0.79            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853         |
| Fe 259.940 | Fe            | n!o   | 147.928899515   | 147.928899515 | mg/L  | 7517755.87367238  | 1.31447810       | 0.88858719          | 66793.44004028  | 0.89            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576         |
| K 766.491  | K-R           | n!u   | -0.05580797     | -0.05580797   | mg/L  | 154.89574659      | 0.01651151       | 29.58630163         | 36.5610209      | 21.73           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148         |
| Li 670.783 | Li-R          | n!u   | -0.00012236     | -0.00012236   | mg/L  | 140.34760351      | 0.00029561       | 241.58891657        | 40.08634572     | 28.56           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.518         |
| Mg 279.800 | Mg-R          | n!o   | 408.81618712    | 408.81618712  | mg/L  | 1215919.04941491  | 1.49125306       | 0.36477349          | 4434.07723477   | 0.36            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020         |
| Mn 257.610 | Mn            | n!    | 0.51865910      | 0.51865910    | mg/L  | 199662.01121132   | 0.00369335       | 0.71209589          | 1412.13585331   | 0.71            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515         |
| Mo 204.598 | Mo            | n!u   | -0.00682549     | -0.00682549   | mg/L  | 11.76598197       | 0.00098273       | 14.39791784         | 6.26394534      | 53.24           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835         |
| Na 589.592 | Na-R          | n!    | 0.27234766      | 0.27234766    | mg/L  | 6233.16453093     | 0.02403833       | 8.82634066          | 334.80665768    | 5.37            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318         |
| Ni 231.604 | Ni            | n!    | 1.00468894      | 1.00468894    | mg/L  | 18957.85379161    | 0.00612211       | 0.60935387          | 114.34302618    | 0.60            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588         |
| P 177.434  | P             | n!u   | -0.00106877     | -0.00106877   | mg/L  | 10.59361312       | 0.00112102       | 104.88938684        | 3.09805608      | 29.24           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577         |
| Pb 220.353 | Pb            | n!    | 1.02842308      | 1.02842308    | mg/L  | 5035.43702217     | 0.00949643       | 0.92339764          | 56.56375741     | 1.12            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522         |
| S 181.972  | S             | n!    | 0.07060498      | 0.07060498    | mg/L  | 195.36135752      | 0.00142562       | 2.01914952          | 2.33954176      | 1.20            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950         |
| Sb 206.834 | Sb            | n!    | 0.00159210      | 0.00159210    | mg/L  | -30.90773846      | 0.00142283       | 89.36791925         | 2.98992834      | 9.67            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596         |
| Se 196.026 | Se            | n!    | 0.00781081      | 0.00781081    | mg/L  | 101.57449199      | 0.00252691       | 32.35145182         | 6.58651377      | 6.48            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851         |
| Si 251.611 | Si            | n!u   | -0.00635873     | -0.00635873   | mg/L  | 94.24723641       | 0.00139014       | 21.86191210         | 10.32000014     | 10.95           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610         |
| Sn 189.925 | Sn            | n!u   | -0.00089967     | -0.00089967   | mg/L  | 36.79449193       | 0.00042720       | 47.48389113         | 3.27081794      | 8.89            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615         |
| Sr 421.552 | Sr-R          | n!u   | -0.00187014     | -0.00187014   | mg/L  | 1562.97537110     | 0.00003318       | 1.77412878          | 18.71724634     | 1.20            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070         |
| Ti 334.941 | Ti            | n!u   | 0.00002475      | 0.00002475    | mg/L  | 616.87491661      | 0.00023723       | 958.69613935        | 73.99565246     | 12.00           | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.738         |
| Tl 190.794 | Tl            | n!    | 0.01750725      | 0.01750725    | mg/L  | 15.86206153       | 0.00199419       | 11.39064701         | 4.87564780      | 30.74           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723         |
| V 292.401  | V             | n!    | 0.54129301      | 0.54129301    | mg/L  | 16731.16170764    | 0.00537230       | 0.99249341          | 167.83241226    | 1.00            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425         |
| Zn 206.200 | Zn            | n!    | 0.94334412      | 0.94334412    | mg/L  | 42435.81778155    | 0.00710817       | 0.75350799          | 301.66909412    | 0.71            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.7491         |
| Y 371.029  | Y             | !     | 0.90            | 0.90          | Ratio | 672110.02         | 0.01             | 1.27                | 8549.87         | 1.27            |             | -                 | -               | -                       | Fitted                | -                           | -                  |
| Y 371.029  | Y-R           | !     | 0.92            | 0.92          | Ratio | 239703.36         | 0.00             | 0.08                | 189.90          | 0.08            |             | -                 | -               | -                       | Fitted                | -                           | -                  |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920122 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 17:43 |
| Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253         | 5739.6    | 1.000  | 1.011 | mg/L  | 1  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 726253 | -2.36  |
| Yttrium             | R  | 260012        | 253783 | -2.40  |

Label: CCV,S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/11/2024 5:43:58 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.50042938      | 0.50042938    | mg/L  | 35758.59364356   | 0.00598308       | 1.19558952          | 421.40131852   | 1.18            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 1.07262798      | 1.07262798    | mg/L  | 34256.46667493   | 0.01870224       | 1.74359098          | 576.20110435   | 1.68            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 1.03404708      | 1.03404708    | mg/L  | 3929.84757417    | 0.01985004       | 1.91964582          | 75.13182794    | 1.91            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 1.03858687      | 1.03858687    | mg/L  | 34619.61481978   | 0.02140507       | 2.06097976          | 710.02252064   | 2.05            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | n     | 1.01325603      | 1.01325603    | mg/L  | 77157.86667955   | 0.01177072       | 1.16167314          | 892.87759106   | 1.16            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962005            |
| Be 313.107 | Be            | n     | 1.05059830      | 1.05059830    | mg/L  | 2263420.10203880 | 0.01500091       | 1.42784476          | 32317.00585004 | 1.43            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 51.63132754     | 51.63132754   | mg/L  | 892936.62619958  | 0.48030136       | 0.93025181          | 8286.07903605  | 0.93            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 1.03033922      | 1.03033922    | mg/L  | 146613.04216243  | 0.01260281       | 1.22317107          | 1792.90507490  | 1.22            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 1.02899663      | 1.02899663    | mg/L  | 34191.03078798   | 0.01065223       | 1.03520589          | 351.45466367   | 1.03            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 0.99217563      | 0.99217563    | mg/L  | 54322.21935030   | 0.01553612       | 1.56586423          | 845.73065886   | 1.56            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 1.07214585      | 1.07214585    | mg/L  | 35642.23657323   | 0.01505485       | 1.40417901          | 494.34224064   | 1.39            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062345            |
| Fe 259.940 | Fe            | n     | 1.02861014      | 1.02861014    | mg/L  | 52421.50171557   | 0.01501469       | 1.45970633          | 762.95118112   | 1.46            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 59.64099630     | 59.64099630   | mg/L  | 121635.55533112  | 0.64756097       | 1.08576485          | 1319.95039505  | 1.09            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 1.01589291      | 1.01589291    | mg/L  | 137733.87591224  | 0.01157716       | 1.13960474          | 1569.90413667  | 1.14            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 51.75825936     | 51.75825936   | mg/L  | 153961.61832069  | 0.46540034       | 0.89918082          | 1383.81681736  | 0.90            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 1.01703043      | 1.01703043    | mg/L  | 389251.74824903  | 0.01474162       | 1.44947687          | 5636.39259267  | 1.45            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 1.01772045      | 1.01772045    | mg/L  | 6493.35462620    | 0.02910946       | 2.86026117          | 185.54483167   | 2.86            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | n     | 49.93926647     | 49.93926647   | mg/L  | 697599.61345911  | 0.49627213       | 0.99375133          | 6912.09397509  | 0.99            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181355            |
| Ni 231.604 | Ni            | n     | 1.01257204      | 1.01257204    | mg/L  | 18994.99600880   | 0.01467774       | 1.44955004          | 274.13698523   | 1.44            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424845            |
| P 177.434  | P             | n     | 5.44400990      | 5.44400990    | mg/L  | 15050.06010562   | 0.06160763       | 1.13165897          | 170.25857572   | 1.13            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 1.01109629      | 1.01109629    | mg/L  | 5739.62046841    | 0.01231133       | 1.21762196          | 73.33016535    | 1.28            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nQ    | 5.50355652      | 5.50355652    | mg/L  | 9053.26223038    | 0.04744212       | 0.86202654          | 77.85581247    | 0.86            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 0.99320441      | 0.99320441    | mg/L  | 2045.31512990    | 0.02038842       | 2.05279156          | 42.84413570    | 2.09            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362985            |
| Se 196.026 | Se            | n     | 1.01899873      | 1.01899873    | mg/L  | 2722.83394157    | 0.02843866       | 2.79084327          | 74.12674043    | 2.72            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | n     | 5.40283676      | 5.40283676    | mg/L  | 40204.61277861   | 0.14359965       | 2.65785645          | 1066.04299876  | 2.65            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 5.16174756      | 5.16174756    | mg/L  | 39548.69222147   | 0.07395274       | 1.43270733          | 566.21217993   | 1.43            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 1.05383004      | 1.05383004    | mg/L  | 594845.91047659  | 0.01206326       | 1.14470654          | 6805.29671974  | 1.14            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 1.03700711      | 1.03700711    | mg/L  | 323866.95390093  | 0.02267236       | 2.18632643          | 7071.79804692  | 2.18            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 1.04816476      | 1.04816476    | mg/L  | 2542.47256812    | 0.02169253       | 2.06957230          | 53.03665158    | 2.09            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744865            |
| V 292.401  | V             | n     | 1.03970650      | 1.03970650    | mg/L  | 32506.99146450   | 0.01711031       | 1.64568690          | 534.53205823   | 1.64            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 1.00785814      | 1.00785814    | mg/L  | 42865.08359872   | 0.00998442       | 0.99065680          | 423.73607720   | 0.99            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             | 0.98  | 0.98            | 0.98          | Ratio | 726253.34        | 0.01             | 0.68                | 4972.76        | 0.68            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | 0.98  | 0.98            | 0.98          | Ratio | 253783.48        | 0.01             | 1.16                | 2955.05        | 1.16            |             | -                 | -               | -                       | Fitted                | -                           | -                           |



ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920123 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 17:47 |
| Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 746878 | 0.42   |
| Yttrium             | R  | 260012        | 264896 | 1.88   |

|                   |                      |              |      |                              |    |
|-------------------|----------------------|--------------|------|------------------------------|----|
| Label:            | CCB                  | Rack/Tube:   | S1:1 | Type:                        | QC |
| Date Time:        | 3/11/2024 5:47:05 PM | Weight:      | -    | Volume:                      | -  |
| Dilution:         | -                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                    | Customer:    | -    | Customer Ref.:               | -  |
| Sample Date Time: | -                    | Sample Site: | -    | Description:                 | -  |
| Replicates:       | 3                    |              |      |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00015445     | -0.00015445   | mg/L  | 501.21705296  | 0.00022326       | 144.54841687        | 15.72442136  | 3.14            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.158208270             |
| Al 396.152 | Al            | nu    | 0.00017783      | 0.00017783    | mg/L  | 1066.53187444 | 0.00070950       | 398.97900772        | 21.85898470  | 2.05            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.195095605             |
| As 188.980 | As            | nu    | 0.00027444      | 0.00027444    | mg/L  | 16.90979387   | 0.00101423       | 369.56613279        | 3.83884764   | 22.70           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.9708067567             |
| B 249.678  | B             | nu    | -0.00164623     | -0.00164623   | mg/L  | 110.60057741  | 0.00064398       | 39.11851112         | 21.36134196  | 19.31           | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.771250302             |
| Ba 230.424 | Ba            | nu    | -0.00121039     | -0.00121039   | mg/L  | 185.72002656  | 0.00014571       | 12.03826989         | 11.05296372  | 5.95            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.797796200             |
| Be 313.107 | Be            | n     | 0.00001271      | 0.00001271    | mg/L  | 106.74950210  | 0.00000848       | 66.72993050         | 18.27631500  | 17.12           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.9773374             |
| Ca 317.933 | Ca-R          | nu    | 0.00032733      | 0.00032733    | mg/L  | 2134.11460702 | 0.00065819       | 201.07743977        | 11.35504244  | 0.53            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.833350813             |
| Cd 214.439 | Cd            | nu    | -0.00000036     | -0.00000036   | mg/L  | 33.75714936   | 0.00005882       | 16155.09762729      | 8.36771000   | 24.79           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.31205240             |
| Co 230.786 | Co            | nu    | 0.00024415      | 0.00024415    | mg/L  | 248.57208866  | 0.00041752       | 171.00966509        | 13.77536196  | 5.54            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.518014917             |
| Cr 267.716 | Cr            | n     | 0.00006989      | 0.00006989    | mg/L  | 310.65618985  | 0.00000685       | 9.80626094          | 0.37310989   | 0.12            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.402690874             |
| Cu 324.754 | Cu            | n     | 0.00304355      | 0.00304355    | mg/L  | 497.70913872  | 0.00055595       | 18.26657702         | 18.25532934  | 3.67            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.085306234             |
| Fe 259.940 | Fe            | n     | 0.00112498      | 0.00112498    | mg/L  | 128.59856321  | 0.00046509       | 41.34217954         | 23.63308684  | 18.38           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.657640062             |
| K 766.491  | K-R           | n     | 0.05144261      | 0.05144261    | mg/L  | 159.15295738  | 0.02813717       | 54.69622701         | 57.35315191  | 36.04           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.3414821870             |
| Li 670.783 | Li-R          | nu    | -0.00098528     | -0.00098528   | mg/L  | -175.89529514 | 0.00091728       | 93.09759399         | 124.38592682 | 70.72           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | nu    | -0.00291349     | -0.00291349   | mg/L  | 53.22007955   | 0.00172888       | 59.34047491         | 5.14062924   | 9.66            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.3902029983             |
| Mn 257.610 | Mn            | n     | 0.00001852      | 0.00001852    | mg/L  | 338.71434962  | 0.00002217       | 119.65980718        | 8.47538977   | 2.50            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.51530403             |
| Mo 204.598 | Mo            | nu    | 0.00014033      | 0.00014033    | mg/L  | 5.71034405    | 0.00135313       | 964.26864776        | 8.62490098   | > 100.00        | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.0383578508             |
| Na 589.592 | Na-R          | nu    | -0.05869731     | -0.05869731   | mg/L  | 1137.08561626 | 0.01086777       | 18.51493474         | 151.36662297 | 13.31           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.031818135             |
| Ni 231.604 | Ni            | nu    | 0.00039862      | 0.00039862    | mg/L  | 81.92198852   | 0.00040614       | 101.88526244        | 7.58547486   | 9.26            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.058842484             |
| P 177.434  | P             | nu    | 0.00048528      | 0.00048528    | mg/L  | 6.13318970    | 0.00134621       | 277.40835952        | 3.72038320   | 60.66           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.5957779971             |
| Pb 220.353 | Pb            | nu    | -0.00085942     | -0.00085942   | mg/L  | -286.24390307 | 0.00130800       | 152.19614467        | 7.79085506   | 2.72            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.3152232651             |
| S 181.972  | S             | nu    | 0.00176620      | 0.00176620    | mg/L  | 18.96108334   | 0.00322155       | 182.40053876        | 5.28679363   | 27.88           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.0695020988             |
| Sb 206.834 | Sb            | nu    | 0.00142939      | 0.00142939    | mg/L  | -39.38887315  | 0.00408636       | 285.88070442        | 8.58706539   | 21.80           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.3959636298             |
| Se 196.026 | Se            | nu    | 0.00005874      | 0.00005874    | mg/L  | 65.38426135   | 0.00165499       | 2817.72050265       | 4.31381999   | 6.60            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.5485187625             |
| Si 251.611 | Si            | nu    | -0.00096560     | -0.00096560   | mg/L  | 84.48481371   | 0.00082588       | 85.53075866         | 6.13111761   | 7.26            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.7161055612             |
| Sn 189.925 | Sn            | nu    | 0.00035218      | 0.00035218    | mg/L  | 29.94727161   | 0.00092054       | 261.38060142        | 7.04800187   | 23.53           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.4061525972             |
| Sr 421.552 | Sr-R          | nu    | 0.00002654      | 0.00002654    | mg/L  | 37.97282635   | 0.00004813       | 181.35464843        | 27.14899168  | 71.50           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.07025750             |
| Ti 334.941 | Ti            | n     | 0.00059619      | 0.00059619    | mg/L  | 587.35967047  | 0.00012986       | 21.78253010         | 40.50632455  | 6.90            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 0.00850801      | 0.00850801    | mg/L  | 1.04583193    | 0.00076951       | 9.04458243          | 1.88140549   | > 100.00        | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.9272374486             |
| V 292.401  | V             | nu    | 0.00011637      | 0.00011637    | mg/L  | 46.95374136   | 0.00042254       | 363.11028867        | 13.20020560  | 28.11           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.342522161             |
| Zn 206.200 | Zn            | nu    | -0.00002054     | -0.00002054   | mg/L  | 29.29726591   | 0.00003565       | 173.57382911        | 1.51296438   | 5.16            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 746878.48     | 0.01             | 1.01                | 7507.55      | 1.01            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.02            | 1.02          | Ratio | 264896.37     | 0.01             | 0.49                | 1301.95      | 0.49            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920134 | File: icp data       | Time: 11-MAR-2024 19:45 |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg<br>RF/CF | Run<br>RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|-------------------|--------------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253            | 5897.7       | 1.000  | 1.038 | mg/L  | 4  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 716896 | -3.62  |
| Yttrium             | R  | 260012        | 253834 | -2.38  |

Label: CCV,S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/11/2024 7:45:54 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.51208073      | 0.51208073    | mg/L  | 36579.22532266   | 0.00309190       | 0.60379101          | 217.76900586   | 0.60            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 1.09780434      | 1.09780434    | mg/L  | 35032.74617270   | 0.01161626       | 1.05813562          | 357.88758158   | 1.02            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 1.06418392      | 1.06418392    | mg/L  | 4043.91527098    | 0.01313240       | 1.23403472          | 49.70574702    | 1.23            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 1.06379368      | 1.06379368    | mg/L  | 35455.75852798   | 0.00636851       | 0.59865989          | 211.24825972   | 0.60            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | n     | 1.02927795      | 1.02927795    | mg/L  | 78373.28218740   | 0.01170163       | 1.13687785          | 887.63671149   | 1.13            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962005            |
| Be 313.107 | Be            | n     | 1.06804822      | 1.06804822    | mg/L  | 2301013.10358954 | 0.01735621       | 1.62503990          | 37391.10702711 | 1.62            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 51.83888062     | 51.83888062   | mg/L  | 896517.47195677  | 0.28976095       | 0.55896451          | 4998.90756867  | 0.56            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 1.04866020      | 1.04866020    | mg/L  | 149219.42973931  | 0.01063795       | 1.01443241          | 1513.37921361  | 1.01            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 1.04425303      | 1.04425303    | mg/L  | 34694.39467504   | 0.01127999       | 1.08019668          | 372.16644118   | 1.07            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 1.01608557      | 1.01608557    | mg/L  | 55623.80919295   | 0.00946105       | 0.93112727          | 515.02551864   | 0.93            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 1.09793020      | 1.09793020    | mg/L  | 36489.00618683   | 0.00638707       | 0.58173709          | 209.72628184   | 0.57            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062345            |
| Fe 259.940 | Fe            | n     | 1.04650043      | 1.04650043    | mg/L  | 53330.86039746   | 0.00908074       | 0.86772492          | 461.42586559   | 0.87            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 59.92259884     | 59.92259884   | mg/L  | 122209.60180814  | 0.32940700       | 0.54972081          | 671.44394648   | 0.55            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 1.02122804      | 1.02122804    | mg/L  | 138457.37192800  | 0.00723931       | 0.70888310          | 981.67630456   | 0.71            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 51.96688306     | 51.96688306   | mg/L  | 154581.94658907  | 0.33609011       | 0.64673902          | 999.32704372   | 0.65            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 1.03915659      | 1.03915659    | mg/L  | 397711.80384656  | 0.00885675       | 0.85230217          | 3386.34023642  | 0.85            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 1.04296653      | 1.04296653    | mg/L  | 6654.27815795    | 0.02395065       | 2.29639667          | 152.66235260   | 2.29            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | n     | 50.13726941     | 50.13726941   | mg/L  | 700357.72845016  | 0.39690559       | 0.79163782          | 5528.11366681  | 0.79            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181355            |
| Ni 231.604 | Ni            | n     | 1.03516639      | 1.03516639    | mg/L  | 19417.01989851   | 0.00814685       | 0.78700921          | 152.15928792   | 0.78            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424845            |
| P 177.434  | P             | nQ    | 5.58695210      | 5.58695210    | mg/L  | 15445.09597743   | 0.03073907       | 0.55019385          | 84.95035468    | 0.55            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 1.03762963      | 1.03762963    | mg/L  | 5897.66960781    | 0.00573124       | 0.55233956          | 34.13706529    | 0.58            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nQ    | 5.63048445      | 5.63048445    | mg/L  | 9261.58218759    | 0.01312139       | 0.23304190          | 21.53310925    | 0.23            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 1.02036079      | 1.02036079    | mg/L  | 2102.38392541    | 0.01682553       | 1.64897814          | 35.35709326    | 1.68            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362985            |
| Se 196.026 | Se            | n     | 1.04846579      | 1.04846579    | mg/L  | 2799.64601840    | 0.02405490       | 2.29429554          | 62.70027426    | 2.24            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | nQ    | 5.55999619      | 5.55999619    | mg/L  | 41371.33309843   | 0.05972429       | 1.07417869          | 443.37620358   | 1.07            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 5.27556809      | 5.27556809    | mg/L  | 40420.15226385   | 0.02819400       | 0.53442580          | 215.86469269   | 0.53            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 1.05616865      | 1.05616865    | mg/L  | 596166.67428355  | 0.00362363       | 0.34309152          | 2044.21035326  | 0.34            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 1.06053331      | 1.06053331    | mg/L  | 331205.11109489  | 0.01445770       | 1.36324770          | 4509.53955203  | 1.36            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 1.07827032      | 1.07827032    | mg/L  | 2616.07681876    | 0.01590798       | 1.47532377          | 38.89384959    | 1.49            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744865            |
| V 292.401  | V             | n     | 1.06366954      | 1.06366954    | mg/L  | 33255.52889632   | 0.00841256       | 0.79090002          | 262.81133749   | 0.79            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 1.03751101      | 1.03751101    | mg/L  | 44123.78195954   | 0.01051505       | 1.01348837          | 446.25623161   | 1.01            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 0.96            | 0.96          | Ratio | 716896.26        | 0.01             | 0.66                | 4722.39        | 0.66            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.98            | 0.98          | Ratio | 253834.46        | 0.00             | 0.24                | 612.69         | 0.24            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920135 | File: icp data       | Time: 11-MAR-2024 19:49 |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 736097 | -1.03  |
| Yttrium             | R  | 260012        | 259916 | -0.04  |

|                                 |                 |                                |
|---------------------------------|-----------------|--------------------------------|
| Label: CCB                      | Rack/Tube: S1:1 | Type: QC                       |
| Date Time: 3/11/2024 7:49:01 PM | Weight: -       | Volume: -                      |
| Dilution: -                     | %RSE limit: -   | Calibration Coefficient [3]: - |
| LIMS ID: -                      | Customer: -     | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -  | Description: -                 |
| Replicates: 3                   |                 |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00030633     | -0.00030633   | mg/L  | 490.51978594  | 0.00015084       | 49.24004628         | 10.62379199  | 2.17            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | nu    | -0.00071251     | -0.00071251   | mg/L  | 1039.10456388 | 0.00117066       | 164.30017137        | 36.06695611  | 3.47            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 0.00114492      | 0.00114492    | mg/L  | 20.20432918   | 0.00042203       | 36.86066435         | 1.59735897   | 7.91            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | nu    | -0.00115298     | -0.00115298   | mg/L  | 126.96285855  | 0.00095262       | 82.62194072         | 31.59908152  | 24.89           | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | nu    | -0.00103772     | -0.00103772   | mg/L  | 198.81622105  | 0.00013261       | 12.77874943         | 10.05907010  | 5.06            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |
| Be 313.107 | Be            | n     | 0.00003480      | 0.00003480    | mg/L  | 154.34118858  | 0.00000385       | 11.07532414         | 8.30427806   | 5.38            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 0.00205323      | 0.00205323    | mg/L  | 2163.83707960 | 0.00149122       | 72.62834163         | 25.72633675  | 1.19            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | nu    | -0.00001472     | -0.00001472   | mg/L  | 31.71046090   | 0.00004849       | 329.35220631        | 6.89773754   | 21.75           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052044            |
| Co 230.786 | Co            | nu    | 0.00013521      | 0.00013521    | mg/L  | 244.97625999  | 0.00031618       | 233.83662679        | 10.43191199  | 4.26            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | nu    | 0.00026334      | 0.00026334    | mg/L  | 321.18624938  | 0.00030573       | 116.09472733        | 16.64282091  | 5.18            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | nZ    | 0.00339761      | 0.00339761    | mg/L  | 509.33769456  | 0.00075445       | 22.20520820         | 24.77304984  | 4.86            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |
| Fe 259.940 | Fe            | nu    | -0.00006232     | -0.00006232   | mg/L  | 68.26880230   | 0.00076833       | 1232.84030250       | 39.04186948  | 57.19           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 0.05558854      | 0.05558854    | mg/L  | 167.60277057  | 0.01391112       | 25.02515579         | 28.35561212  | 16.92           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | nu    | -0.00066177     | -0.00066177   | mg/L  | -132.02492101 | 0.00086733       | 131.06166752        | 117.61294567 | 89.08           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | nu    | -0.00582689     | -0.00582689   | mg/L  | 44.55392284   | 0.00141777       | 24.33151451         | 4.21558380   | 9.46            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | nu    | -0.00002288     | -0.00002288   | mg/L  | 322.87990297  | 0.00007861       | 343.54847124        | 30.05528767  | 9.31            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | nu    | -0.00012195     | -0.00012195   | mg/L  | 4.03806842    | 0.00061154       | 501.47112289        | 3.89796963   | 96.53           | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | nu    | -0.05508236     | -0.05508236   | mg/L  | 1187.44347390 | 0.01204590       | 21.86889404         | 167.77572840 | 14.13           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |
| Ni 231.604 | Ni            | nu    | 0.00026254      | 0.00026254    | mg/L  | 79.38015021   | 0.00042750       | 162.83263084        | 7.98444220   | 10.06           | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |
| P 177.434  | P             | nu    | 0.00003018      | 0.00003018    | mg/L  | 4.87538409    | 0.00053085       | 1759.07680739       | 1.46706191   | 30.09           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | nu    | -0.00006081     | -0.00006081   | mg/L  | -281.47325931 | 0.00157541       | 2590.55565214       | 9.38361249   | 3.33            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nu    | 0.00131001      | 0.00131001    | mg/L  | 18.21247138   | 0.00243196       | 185.64338118        | 3.99100857   | 21.91           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | nu    | 0.00221236      | 0.00221236    | mg/L  | -37.74348615  | 0.00369323       | 166.93564815        | 7.76092840   | 20.56           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |
| Se 196.026 | Se            | nu    | 0.00256276      | 0.00256276    | mg/L  | 71.91104689   | 0.00477802       | 186.44079539        | 12.45414486  | 17.32           | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | nu    | -0.00104281     | -0.00104281   | mg/L  | 83.91151002   | 0.00082727       | 79.33073710         | 6.14138568   | 7.32            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | nu    | -0.00009521     | -0.00009521   | mg/L  | 26.52175875   | 0.00073385       | 770.76292022        | 5.61864022   | 21.19           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 0.00005387      | 0.00005387    | mg/L  | 53.41303067   | 0.00002407       | 44.67487554         | 13.57735074  | 25.42           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 0.00049245      | 0.00049245    | mg/L  | 555.00159309  | 0.00011604       | 23.56320895         | 36.19339049  | 6.52            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 0.00828641      | 0.00828641    | mg/L  | 0.50407073    | 0.00108668       | 13.11394719         | 2.65684338   | > 100.00        | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |
| V 292.401  | V             | nu    | -0.00003187     | -0.00003187   | mg/L  | 42.32281928   | 0.00031788       | 997.28931028        | 9.93054617   | 23.46           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 0.00112542      | 0.00112542    | mg/L  | 77.91015835   | 0.00005313       | 4.72111676          | 2.25493250   | 2.89            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 0.99            | 0.99          | Ratio | 736097.11     | 0.01             | 1.04                | 7639.18      | 1.04            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.00            | 1.00          | Ratio | 259916.38     | 0.01             | 0.83                | 2168.96      | 0.83            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920146 | File: icp data       | Time: 11-MAR-2024 20:23 |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253         | 5890.8    | 1.000  | 1.036 | mg/L  | 4  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 716960 | -3.61  |
| Yttrium             | R  | 260012        | 253363 | -2.56  |

Label: CCV,S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/11/2024 8:23:17 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.51080058      | 0.51080058    | mg/L  | 36489.06461106   | 0.00230183       | 0.45063233          | 162.12303698   | 0.44            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 1.09639426      | 1.09639426    | mg/L  | 34987.25171918   | 0.00962567       | 0.87793887          | 296.55918678   | 0.85            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 1.06353100      | 1.06353100    | mg/L  | 4041.44292989    | 0.00934335       | 0.87852156          | 35.36430374    | 0.88            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 1.06429281      | 1.06429281    | mg/L  | 35472.26345921   | 0.00389260       | 0.36574485          | 129.12041513   | 0.36            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | n     | 1.03193205      | 1.03193205    | mg/L  | 78574.29439994   | 0.00774578       | 0.75060915          | 587.56204836   | 0.75            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962005            |
| Be 313.107 | Be            | n     | 1.07229230      | 1.07229230    | mg/L  | 2310156.29206685 | 0.00481922       | 0.44943129          | 10382.21273924 | 0.45            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 51.14507571     | 51.14507571   | mg/L  | 884546.87833356  | 0.50133789       | 0.98022709          | 8648.99769454  | 0.98            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 1.05242352      | 1.05242352    | mg/L  | 149754.79696672  | 0.00541148       | 0.51419258          | 769.85017501   | 0.51            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 1.04856138      | 1.04856138    | mg/L  | 34836.54005003   | 0.00522320       | 0.49813028          | 172.33180159   | 0.49            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 1.01398012      | 1.01398012    | mg/L  | 55509.12614945   | 0.00683006       | 0.67358917          | 371.80390874   | 0.67            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 1.09672480      | 1.09672480    | mg/L  | 36448.69077901   | 0.00690498       | 0.62959993          | 226.73246453   | 0.62            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062345            |
| Fe 259.940 | Fe            | n     | 1.04641840      | 1.04641840    | mg/L  | 53325.36502549   | 0.00856380       | 0.81839127          | 435.15784131   | 0.82            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 59.65004386     | 59.65004386   | mg/L  | 121653.84663134  | 0.39090058       | 0.65532320          | 796.78885770   | 0.65            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 1.01625309      | 1.01625309    | mg/L  | 137782.35349901  | 0.00729169       | 0.71750747          | 988.77905892   | 0.72            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 51.05612279     | 51.05612279   | mg/L  | 151873.86810697  | 0.65936314       | 1.29144772          | 1960.54388821  | 1.29            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 1.03550623      | 1.03550623    | mg/L  | 396315.06874102  | 0.00634846       | 0.61307774          | 2427.30451478  | 0.61            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 1.04551746      | 1.04551746    | mg/L  | 6670.51019584    | 0.02149773       | 2.05618041          | 137.02732522   | 2.05            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | n     | 49.75885796     | 49.75885796   | mg/L  | 695085.79327200  | 0.26538484       | 0.53334190          | 3696.28849710  | 0.53            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181355            |
| Ni 231.604 | Ni            | n     | 1.03063568      | 1.03063568    | mg/L  | 19332.25240339   | 0.00400951       | 0.38903260          | 74.88583185    | 0.39            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424845            |
| P 177.434  | P             | nQ    | 5.55366758      | 5.55366758    | mg/L  | 15353.10985767   | 0.01959769       | 0.35287836          | 54.16009586    | 0.35            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 1.03647564      | 1.03647564    | mg/L  | 5890.79510888    | 0.00542718       | 0.52361887          | 32.32600701    | 0.55            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nQ    | 5.60853245      | 5.60853245    | mg/L  | 9225.48206117    | 0.00119032       | 0.02122344          | 1.95340376     | 0.02            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 1.02061422      | 1.02061422    | mg/L  | 2102.90686761    | 0.01006985       | 0.98664634          | 21.16074805    | 1.01            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362985            |
| Se 196.026 | Se            | n     | 1.05019698      | 1.05019698    | mg/L  | 2804.13394859    | 0.03149842       | 2.99928705          | 82.10216517    | 2.93            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | nQ    | 5.53397919      | 5.53397919    | mg/L  | 41178.13037803   | 0.04720985       | 0.85309041          | 350.47249210   | 0.85            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 5.31268601      | 5.31268601    | mg/L  | 40704.32816137   | 0.04537263       | 0.85404315          | 347.39128930   | 0.85            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 1.05622546      | 1.05622546    | mg/L  | 596194.81557336  | 0.00475867       | 0.45053531          | 2684.52709297  | 0.45            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 1.06423569      | 1.06423569    | mg/L  | 332359.78252399  | 0.01342899       | 1.26184345          | 4188.67254213  | 1.26            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.738099926            |
| Tl 190.794 | Tl            | n     | 1.07573043      | 1.07573043    | mg/L  | 2609.87404560    | 0.00954516       | 0.88731905          | 23.33722408    | 0.89            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744865            |
| V 292.401  | V             | n     | 1.06303226      | 1.06303226    | mg/L  | 33235.83537414   | 0.00954528       | 0.89792970          | 298.19789049   | 0.90            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 1.03629712      | 1.03629712    | mg/L  | 44071.35069007   | 0.00583544       | 0.56310483          | 247.65457462   | 0.56            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             | 0.96  | 0.96            | 0.96          | Ratio | 716960.02        | 0.01             | 0.96                | 6916.87        | 0.96            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | 0.97  | 0.97            | 0.97          | Ratio | 253363.47        | 0.01             | 0.70                | 1762.09        | 0.70            |             | -                 | -               | -                       | Fitted                | -                           | -                           |



ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920147 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 20:26 |
| Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 735212 | -1.15  |
| Yttrium             | R  | 260012        | 262018 | 0.77   |

|                                 |                 |                                |
|---------------------------------|-----------------|--------------------------------|
| Label: CCB                      | Rack/Tube: S1:1 | Type: QC                       |
| Date Time: 3/11/2024 8:26:24 PM | Weight: -       | Volume: -                      |
| Dilution: -                     | %RSE limit: -   | Calibration Coefficient [3]: - |
| LIMS ID: -                      | Customer: -     | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -  | Description: -                 |
| Replicates: 3                   |                 |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00000953     | -0.00000953   | mg/L  | 511.42458093  | 0.00016435       | 1725.38797891       | 11.57578467  | 2.26            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | nu    | -0.00098518     | -0.00098518   | mg/L  | 1030.69603188 | 0.00145193       | 147.37724448        | 44.73269817  | 4.34            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | nu    | -0.00151219     | -0.00151219   | mg/L  | 10.14724471   | 0.00152684       | 100.96841572        | 5.77904184   | 56.95           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | nu    | -0.00091562     | -0.00091562   | mg/L  | 134.83676280  | 0.00004303       | 4.69921442          | 1.42724350   | 1.06            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | nu    | -0.00098269     | -0.00098269   | mg/L  | 202.99353837  | 0.00026693       | 27.16315830         | 20.24811244  | 9.97            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |
| Be 313.107 | Be            | n     | 0.00002332      | 0.00002332    | mg/L  | 129.60546584  | 0.00001062       | 45.52193322         | 22.87215273  | 17.65           | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 0.00132839      | 0.00132839    | mg/L  | 2151.37854730 | 0.00070887       | 53.36324511         | 12.22935105  | 0.57            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 0.00003304      | 0.00003304    | mg/L  | 38.50461188   | 0.00002020       | 61.14582287         | 2.87397760   | 7.46            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | nu    | 0.00021006      | 0.00021006    | mg/L  | 247.44539174  | 0.00019570       | 93.16468981         | 6.45691383   | 2.61            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 0.00020425      | 0.00020425    | mg/L  | 317.96937292  | 0.00005200       | 25.46018244         | 2.83076144   | 0.89            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | nZ    | 0.00338856      | 0.00338856    | mg/L  | 509.04168695  | 0.00041107       | 12.13123826         | 13.49806119  | 2.65            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |
| Fe 259.940 | Fe            | nu    | -0.00003079     | -0.00003079   | mg/L  | 69.87309068   | 0.00075225       | 2443.16925485       | 38.22475766  | 54.71           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 0.02101022      | 0.02101022    | mg/L  | 97.12104222   | 0.01622227       | 77.21132822         | 33.06653031  | 34.05           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | nu    | 0.00008601      | 0.00008601    | mg/L  | -30.62359307  | 0.00039961       | 464.58685576        | 54.18805235  | > 100.00        | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | nu    | -0.00441356     | -0.00441356   | mg/L  | 48.75539662   | 0.00173680       | 39.35141794         | 5.16418079   | 10.59           | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | nu    | 0.00002322      | 0.00002322    | mg/L  | 340.50468455  | 0.00004938       | 212.68667014        | 18.88175490  | 5.55            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | nu    | 0.00056058      | 0.00056058    | mg/L  | 8.38894824    | 0.00168532       | 300.63698940        | 10.74228144  | > 100.00        | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | nu    | -0.05863102     | -0.05863102   | mg/L  | 1138.01686294 | 0.01057227       | 18.03187438         | 147.25093438 | 12.94           | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |
| Ni 231.604 | Ni            | nu    | 0.00008048      | 0.00008048    | mg/L  | 75.98009341   | 0.00024678       | 306.62214939        | 4.60907209   | 6.07            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |
| P 177.434  | P             | n     | 0.00084649      | 0.00084649    | mg/L  | 7.13129164    | 0.00084812       | 100.19304836        | 2.34387029   | 32.87           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 0.00124243      | 0.00124243    | mg/L  | -273.72298916 | 0.00099169       | 79.81886410         | 5.90683920   | 2.16            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nu    | -0.00129989     | -0.00129989   | mg/L  | 13.92941761   | 0.00113362       | 87.20905449         | 1.86034650   | 13.36           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | nu    | 0.00096408      | 0.00096408    | mg/L  | -40.36693412  | 0.00531345       | 551.14112477        | 11.16566828  | 27.66           | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |
| Se 196.026 | Se            | n     | 0.00173751      | 0.00173751    | mg/L  | 69.76049242   | 0.00170087       | 97.89092655         | 4.43338871   | 6.36            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | nu    | -0.00007312     | -0.00007312   | mg/L  | 91.11058053   | 0.00033123       | 453.00092494        | 2.45895741   | 2.70            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | nu    | 0.00006689      | 0.00006689    | mg/L  | 27.76296628   | 0.00085763       | 1282.17752412       | 6.56633624   | 23.65           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | nu    | 0.00004501      | 0.00004501    | mg/L  | 48.39089388   | 0.00009464       | 210.29130272        | 53.39154730  | > 100.00        | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 0.00051157      | 0.00051157    | mg/L  | 560.96645925  | 0.00013985       | 27.33775548         | 43.62149265  | 7.78            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | nZ    | 0.01018406      | 0.01018406    | mg/L  | 5.14366371    | 0.00072512       | 7.12014914          | 1.77286586   | 34.47           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |
| V 292.401  | V             | nu    | -0.00008090     | -0.00008090   | mg/L  | 40.79244186   | 0.00014941       | 184.68900795        | 4.66753815   | 11.44           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 0.00063287      | 0.00063287    | mg/L  | 56.99890101   | 0.00013912       | 21.98295083         | 5.90434140   | 10.36           | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 0.99            | 0.99          | Ratio | 735212.12     | 0.01             | 0.83                | 6101.15      | 0.83            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.01            | 1.01          | Ratio | 262018.12     | 0.01             | 0.58                | 1521.16      | 0.58            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674102920158 | File: icp data          |
| Cal: 674102920001    | Time: 11-MAR-2024 21:00 |
| Caldate: 11-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -13253         | 5878.3    | 1.000  | 1.034 | mg/L  | 3  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 716171 | -3.71  |
| Yttrium             | R  | 260012        | 252850 | -2.75  |

Label: CCV,S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/11/2024 9:00:48 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.50920226      | 0.50920226    | mg/L  | 36376.48909037   | 0.00320523       | 0.62946138          | 225.75137584   | 0.62            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | n     | 1.09357325      | 1.09357325    | mg/L  | 34901.15392335   | 0.01156865       | 1.05787602          | 356.42076844   | 1.02            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | n     | 1.06114483      | 1.06114483    | mg/L  | 4032.41181138    | 0.01329698       | 1.25307854          | 50.32867420    | 1.25            | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | n     | 1.06335229      | 1.06335229    | mg/L  | 35441.08570270   | 0.00697653       | 0.65608851          | 231.41695467   | 0.65            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | n     | 1.03001895      | 1.03001895    | mg/L  | 78429.31408264   | 0.00948834       | 0.92118127          | 719.74572913   | 0.92            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962005            |
| Be 313.107 | Be            | n     | 1.06986874      | 1.06986874    | mg/L  | 2304935.12709470 | 0.01913225       | 1.78828008          | 41217.29366443 | 1.79            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 51.48959585     | 51.48959585   | mg/L  | 890491.04394303  | 0.27935493       | 0.54254636          | 4819.38464763  | 0.54            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 1.05079268      | 1.05079268    | mg/L  | 149522.79839073  | 0.00888870       | 0.84590392          | 1264.52651077  | 0.85            | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | n     | 1.04446690      | 1.04446690    | mg/L  | 34701.45079584   | 0.00807488       | 0.77311011          | 266.41867497   | 0.77            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 1.01096628      | 1.01096628    | mg/L  | 55345.09263778   | 0.00982786       | 0.97212569          | 534.99350360   | 0.97            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 1.09226175      | 1.09226175    | mg/L  | 36302.46920896   | 0.00804525       | 0.73656779          | 264.17445896   | 0.73            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062345            |
| Fe 259.940 | Fe            | n     | 1.04308505      | 1.04308505    | mg/L  | 53156.54981002   | 0.00947719       | 0.90857311          | 481.57069838   | 0.91            | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 59.72133881     | 59.72133881   | mg/L  | 121799.25316985  | 0.36589816       | 0.61267574          | 745.82539160   | 0.61            | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | n     | 1.01953099      | 1.01953099    | mg/L  | 138227.03664539  | 0.00800701       | 0.78536175          | 1085.77824566  | 0.79            | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | n     | 51.46285533     | 51.46285533   | mg/L  | 153083.25890343  | 0.39880169       | 0.77493115          | 1185.79305105  | 0.77            | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 1.03577983      | 1.03577983    | mg/L  | 396420.12468273  | 0.00800691       | 0.77303181          | 3061.40518196  | 0.77            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | n     | 1.04335513      | 1.04335513    | mg/L  | 6656.74016961    | 0.02457919       | 2.35578397          | 156.66871772   | 2.35            | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03835785084            |
| Na 589.592 | Na-R          | n     | 49.93633821     | 49.93633821   | mg/L  | 697558.33242203  | 0.32171326       | 0.64424680          | 4480.83253278  | 0.64            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181355            |
| Ni 231.604 | Ni            | n     | 1.02919398      | 1.02919398    | mg/L  | 19305.38998921   | 0.00671969       | 0.65290797          | 125.50403657   | 0.65            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424845            |
| P 177.434  | P             | nQ    | 5.53494221      | 5.53494221    | mg/L  | 15301.36067039   | 0.02428790       | 0.43881042          | 67.12194664    | 0.44            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | n     | 1.03437339      | 1.03437339    | mg/L  | 5878.26406268    | 0.00801328       | 0.77469893          | 47.72961909    | 0.81            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nQ    | 5.61234573      | 5.61234573    | mg/L  | 9231.76997262    | 0.00976456       | 0.17398358          | 16.02432183    | 0.17            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 1.02162506      | 1.02162506    | mg/L  | 2105.03504630    | 0.01175434       | 1.15055291          | 24.70051601    | 1.17            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362985            |
| Se 196.026 | Se            | n     | 1.05066313      | 1.05066313    | mg/L  | 2805.35955528    | 0.02572706       | 2.44864988          | 67.05883375    | 2.39            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | nQ    | 5.54088985      | 5.54088985    | mg/L  | 41229.45859207   | 0.06130545       | 1.10641880          | 455.11423612   | 1.10            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | n     | 5.28668659      | 5.28668659    | mg/L  | 40505.27173748   | 0.05061665       | 0.95743610          | 387.54160058   | 0.96            | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | n     | 1.06042754      | 1.06042754    | mg/L  | 598566.79650862  | 0.00301775       | 0.28457854          | 1702.41512556  | 0.28            | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 1.05589094      | 1.05589094    | mg/L  | 329757.01191352  | 0.00763799       | 0.72336922          | 2382.38640172  | 0.72            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 1.07350862      | 1.07350862    | mg/L  | 2604.43888617    | 0.01663306       | 1.54941076          | 40.66661666    | 1.56            | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744865            |
| V 292.401  | V             | n     | 1.05817659      | 1.05817659    | mg/L  | 33084.06057188   | 0.00918911       | 0.86839090          | 287.07091968   | 0.87            | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 1.03370740      | 1.03370740    | mg/L  | 43961.83736476   | 0.00667651       | 0.64587966          | 283.34923462   | 0.64            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 0.96            | 0.96          | Ratio | 716171.22        | 0.01             | 1.01                | 7265.46        | 1.01            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.97            | 0.97          | Ratio | 252849.79        | 0.01             | 0.77                | 1944.95        | 0.77            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674102920159 | File: icp data       | Time: 11-MAR-2024 21:03 |
| Cal: 674102920001    | Caldate: 11-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 743787        | 741381 | -0.32  |
| Yttrium             | R  | 260012        | 260099 | 0.03   |

|                                 |                 |                                |
|---------------------------------|-----------------|--------------------------------|
| Label: CCB                      | Rack/Tube: S1:1 | Type: QC                       |
| Date Time: 3/11/2024 9:03:55 PM | Weight: -       | Volume: -                      |
| Dilution: -                     | %RSE limit: -   | Calibration Coefficient [3]: - |
| LIMS ID: -                      | Customer: -     | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -  | Description: -                 |
| Replicates: 3                   |                 |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | 0.00015178      | 0.00015178    | mg/L  | 522.78577936  | 0.00035653       | 234.89559928        | 25.11100884  | 4.80            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 512.096003365904            | 70432.1582082706            |
| Al 396.152 | Al            | nu    | -0.00155924     | -0.00155924   | mg/L  | 1013.02139069 | 0.00103761       | 66.54602794         | 31.96789851  | 3.16            | 7.44756150  | Y (371.029 nm)    | Linear          | 0.99980                 | Fitted                | 1061.05140106074            | 30809.1950956051            |
| As 188.980 | As            | nu    | 0.00051834      | 0.00051834    | mg/L  | 17.83282918   | 0.00155940       | 300.84620249        | 5.90229036   | 33.10           | 12.20259107 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 15.8710447463633            | 3784.97080675676            |
| B 249.678  | B             | nu    | -0.00129964     | -0.00129964   | mg/L  | 122.09828367  | 0.00027143       | 20.88507740         | 9.00359724   | 7.37            | 5.76010130  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 165.209387286436            | 33170.7712503028            |
| Ba 230.424 | Ba            | nu    | -0.00106011     | -0.00106011   | mg/L  | 197.12126240  | 0.00020907       | 19.72169061         | 15.85922434  | 8.05            | 2.55349498  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 277.540721938706            | 75855.7977962009            |
| Be 313.107 | Be            | n     | 0.00003083      | 0.00003083    | mg/L  | 145.77479990  | 0.00000226       | 7.34505570          | 4.87812144   | 3.35            | 8.25396490  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 79.3612320694606            | 2154335.97733743            |
| Ca 317.933 | Ca-R          | n     | 0.00242541      | 0.00242541    | mg/L  | 2170.30623507 | 0.00183260       | 75.55827725         | 31.61565332  | 1.46            | 2.03118868  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2128.55031448962            | 17251.8333508135            |
| Cd 214.439 | Cd            | n     | 0.00005796      | 0.00005796    | mg/L  | 42.05148589   | 0.00004120       | 71.08419804         | 5.86129438   | 13.94           | 3.31143358  | Y (371.029 nm)    | Linear          | 0.99990                 | Fitted                | 33.8056028278636            | 142262.312052404            |
| Co 230.786 | Co            | nu    | -0.00004456     | -0.00004456   | mg/L  | 239.04531753  | 0.00022336       | 501.26895901        | 7.36928867   | 3.08            | 2.62780548  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 240.515075388078            | 32993.5180149177            |
| Cr 267.716 | Cr            | n     | 0.00017502      | 0.00017502    | mg/L  | 316.37911697  | 0.00012355       | 70.59127573         | 6.72574503   | 2.13            | 1.59677885  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 306.852106204373            | 54436.4026908747            |
| Cu 324.754 | Cu            | n     | 0.00305005      | 0.00305005    | mg/L  | 497.92589191  | 0.00009786       | 3.20854215          | 3.21340849   | 0.65            | 33.10096985 | Y (371.029 nm)    | Linear          | 0.99981                 | Fitted                | 397.772297730623            | 32836.0853062343            |
| Fe 259.940 | Fe            | nu    | 0.00009547      | 0.00009547    | mg/L  | 76.29118639   | 0.00066861       | 700.34654655        | 33.97476467  | 44.53           | 3.90563281  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 71.4416335792574            | 50813.6576400623            |
| K 766.491  | K-R           | n     | 0.05443908      | 0.05443908    | mg/L  | 165.26114833  | 0.01480385       | 27.19341734         | 30.17529497  | 18.26           | 19.66203053 | Y-R (371.029 nm)  | Linear          | 0.99996                 | Fitted                | 54.2969530046698            | 2038.34148218705            |
| Li 670.783 | Li-R          | nu    | -0.00061739     | -0.00061739   | mg/L  | -126.00820650 | 0.00058644       | 94.98581441         | 79.52282935  | 63.11           | 6.12443592  | Y-R (371.029 nm)  | Linear          | 0.99997                 | FACT                  | -42.2930838628681           | 135603.51830739             |
| Mg 279.800 | Mg-R          | nu    | -0.00338204     | -0.00338204   | mg/L  | 51.82409808   | 0.00793415       | 234.59682274        | 23.59131496  | 45.52           | 2.31829263  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 61.8789024769831            | 2973.39020299837            |
| Mn 257.610 | Mn            | n     | 0.00007867      | 0.00007867    | mg/L  | 361.71142285  | 0.00002189       | 27.81793180         | 8.36773335   | 2.31            | 2.16378589  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 331.626505754025            | 382345.515304038            |
| Mo 204.598 | Mo            | nu    | -0.00008399     | -0.00008399   | mg/L  | 4.28044513    | 0.00148758       | 1771.04018808       | 9.48189384   | > 100.00        | 24.44077103 | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.81648885409587            | 6374.03837585084            |
| Na 589.592 | Na-R          | nu    | -0.06496298     | -0.06496298   | mg/L  | 1049.82691953 | 0.00609050       | 9.37534284          | 84.82870134  | 8.08            | 5.08130115  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1954.62964259642            | 13928.0318181359            |
| Ni 231.604 | Ni            | n     | 0.00027406      | 0.00027406    | mg/L  | 79.59586577   | 0.00018196       | 66.39311529         | 3.39844044   | 4.27            | 1.53491781  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Left+Right   | 74.4772066597285            | 18677.0588424848            |
| P 177.434  | P             | nu    | 0.00014854      | 0.00014854    | mg/L  | 5.20252629    | 0.00124337       | 837.04254026        | 3.43616366   | 66.05           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 4.79199859048977            | 2763.59577799719            |
| Pb 220.353 | Pb            | nu    | 0.00084349      | 0.00084349    | mg/L  | -276.09926654 | 0.00198274       | 235.06437453        | 11.80983305  | 4.28            | 5.92918063  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -281.147693854539           | 5956.31522326517            |
| S 181.972  | S             | nu    | -0.00008167     | -0.00008167   | mg/L  | 15.92895374   | 0.00192600       | 2358.19077291       | 3.16069963   | 19.84           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 16.0631639260936            | 1641.06950290884            |
| Sb 206.834 | Sb            | n     | 0.00318043      | 0.00318043    | mg/L  | -35.70937999  | 0.00148968       | 46.83884111         | 3.13040164   | 8.77            | 11.95698441 | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -42.3933175150715           | 2101.39596362989            |
| Se 196.026 | Se            | nu    | -0.00028390     | -0.00028390   | mg/L  | 64.49149332   | 0.00167789       | 591.01567801        | 4.37350385   | 6.78            | 16.01313664 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 65.2323503026447            | 2606.54851876258            |
| Si 251.611 | Si            | n     | 0.00240148      | 0.00240148    | mg/L  | 109.48138040  | 0.00144553       | 60.19330950         | 10.73120682  | 9.80            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 91.6541540314586            | 7423.71610556124            |
| Sn 189.925 | Sn            | nu    | 0.00032203      | 0.00032203    | mg/L  | 29.71647112   | 0.00088350       | 274.35358928        | 6.76440278   | 22.76           | 3.52367085  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.2511438468688            | 7656.40615259727            |
| Sr 421.552 | Sr-R          | nu    | 0.00002115      | 0.00002115    | mg/L  | 34.96128988   | 0.00003147       | 148.76387779        | 17.75108575  | 50.77           | 2.22108140  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 23.0185720032614            | 564134.070257501            |
| Ti 334.941 | Ti            | n     | 0.00057607      | 0.00057607    | mg/L  | 581.08586122  | 0.00011387       | 19.76689872         | 35.51792279  | 6.11            | 2.55310163  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 401.404267156054            | 311912.73809926             |
| Tl 190.794 | Tl            | n     | 0.00939154      | 0.00939154    | mg/L  | 3.20598460    | 0.00073627       | 7.83969925          | 1.80012257   | 56.15           | 6.62691893  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | -19.7556600227796           | 2444.92723744863            |
| V 292.401  | V             | nu    | -0.00029135     | -0.00029135   | mg/L  | 34.21589782   | 0.00011654       | 39.99880368         | 3.64069744   | 10.64           | 3.84602382  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 43.3186574789788            | 31240.3425221616            |
| Zn 206.200 | Zn            | n     | 0.00071891      | 0.00071891    | mg/L  | 60.66368360   | 0.00009833       | 13.67788384         | 4.17319035   | 6.88            | 5.45847218  | Y (371.029 nm)    | Linear          | 0.99985                 | Fitted                | 30.1424251642603            | 42439.749183261             |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 741381.02     | 0.01             | 1.23                | 9114.92      | 1.23            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.00            | 1.00          | Ratio | 260099.02     | 0.01             | 1.33                | 3459.52      | 1.33            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/12/24 08:50

| #   | File     | Type    | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | Stds Used |                  |
|-----|----------|---------|------------|----------|--------|----------------|-----|-----------|------------------|
| 001 | icp data | ICALBLK |            |          |        | 03/12/24 08:50 | 1.0 |           |                  |
| 002 | icp data | ICAL    | L1         |          |        | 03/12/24 08:53 | 1.0 | 1         |                  |
| 003 | icp data | ICAL    | L2         |          |        | 03/12/24 08:56 | 1.0 | 2         |                  |
| 004 | icp data | ICAL    | L3         |          |        | 03/12/24 08:59 | 1.0 | 3         |                  |
| 005 | icp data | ICAL    | L4         |          |        | 03/12/24 09:03 | 1.0 | 4         |                  |
| 006 | icp data | ICAL    | L5         |          |        | 03/12/24 09:06 | 1.0 | 5         |                  |
| 007 | icp data | ICAL    | L6         |          |        | 03/12/24 09:09 | 1.0 | 6         |                  |
| 008 | icp data | ICAL    | L7         |          |        | 03/12/24 09:12 | 1.0 | 7         |                  |
| 009 | icp data | ICAL    | L8         |          |        | 03/12/24 09:15 | 1.0 | 8         |                  |
| 010 | icp data | ICV     |            |          |        | 03/12/24 09:18 | 1.0 | 9         |                  |
| 011 | icp data | ICV     |            |          |        | 03/12/24 09:21 | 1.0 | 10        |                  |
| 012 | icp data | ICB     |            |          |        | 03/12/24 09:24 | 1.0 |           |                  |
| 013 | icp data | CRI     |            |          |        | 03/12/24 09:28 | 1.0 | 11        |                  |
| 014 | icp data | ICSA    |            |          |        | 03/12/24 09:31 | 1.0 | 12        | 6:MGASMGCO3=1400 |
| 015 | icp data | ICSAB   |            |          |        | 03/12/24 09:34 | 1.0 | 13        | 6:MGASMGCO3=1400 |
| 016 | icp data | BLANK   | QC1135183  | Soil     | 334994 | 03/12/24 09:37 | 1.0 | 14        |                  |
| 017 | icp data | SAMPLE  | 504073-020 | Wipe     | 335079 | 03/12/24 09:40 | 5.0 | 14        | 1:FE=20          |
| 018 | icp data | BLANK   | QC1135460  | Filtrate | 335075 | 03/12/24 09:43 | 1.0 | 14        |                  |
| 019 | icp data | BLANK   | QC1135466  | Filtrate | 335075 | 03/12/24 09:46 | 1.0 | 14        |                  |
| 020 | icp data | LCS     | QC1135461  | Filtrate | 335075 | 03/12/24 09:49 | 1.0 | 14        |                  |
| 021 | icp data | SAMPLE  | 504041-001 | Filtrate | 335075 | 03/12/24 09:53 | 1.0 | 14        |                  |
| 022 | icp data | SAMPLE  | 504041-002 | Filtrate | 335075 | 03/12/24 09:56 | 1.0 | 14        |                  |
| 023 | icp data | SAMPLE  | 504041-003 | Filtrate | 335075 | 03/12/24 09:59 | 1.0 | 14        |                  |
| 024 | icp data | MSS     | 504083-001 | Filtrate | 335075 | 03/12/24 10:02 | 1.0 | 14        |                  |
| 025 | icp data | CCV     |            |          |        | 03/12/24 10:05 | 1.0 | 9         |                  |
| 026 | icp data | CCB     |            |          |        | 03/12/24 10:08 | 1.0 |           |                  |
| 027 | icp data | MS      | QC1135462  | Filtrate | 335075 | 03/12/24 10:11 | 1.0 | 14        |                  |
| 028 | icp data | MSD     | QC1135463  | Filtrate | 335075 | 03/12/24 10:14 | 1.0 | 14        |                  |
| 029 | icp data | MSS     | 504083-002 | Filtrate | 335075 | 03/12/24 10:18 | 1.0 | 14        |                  |
| 030 | icp data | MS      | QC1135464  | Filtrate | 335075 | 03/12/24 10:21 | 1.0 | 14        |                  |
| 031 | icp data | MSD     | QC1135465  | Filtrate | 335075 | 03/12/24 10:24 | 1.0 | 14        |                  |
| 032 | icp data | SAMPLE  | 504083-003 | Filtrate | 335075 | 03/12/24 10:27 | 1.0 | 14        |                  |
| 033 | icp data | CCV     |            |          |        | 03/12/24 10:30 | 1.0 | 9         |                  |
| 034 | icp data | CCB     |            |          |        | 03/12/24 10:33 | 1.0 |           |                  |

SBW 03/12/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 026.

## Standards Used:

1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20134 8=S19713 9=S20103 10=S19921 11=S20132 12=S20136 13=S20133 14=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: MET09          | Lab ID: 504073-020   | Client ID: ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA |
| Seqnum: 674104210017 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: icp data       | Batch: 335079        | Time: 12-MAR-2024 09:40                                  |
| Cal: 674104210001    | Caldate: 12-MAR-2024 |                                                          |
| IDF: 5.0             | Raw Units: mg/L      | Units: ug/ft2                                            |

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags      |
|---------|----|-------|--------|------|-------|------------|
| Lead    | A  | 2.577 | 640    | 0.94 |       | <a+ y u b* |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 844392        | 791394       | -6.28  |

+ = high bias < = opening a = ICSA b = noncompliant u = use y = RL raised



|                                 |                |                                |
|---------------------------------|----------------|--------------------------------|
| Label: 504073-020,335079, 5x    | Rack/Tube: 1:2 | Type: Sample                   |
| Date Time: 3/12/2024 9:40:31 AM | Weight: 1      | Volume: 1                      |
| Dilution: 1                     | %RSE limit: -  | Calibration Coefficient [3]: - |
| LIMS ID:                        | Customer:      | Customer Ref.:                 |
| Sample Date Time:               | Sample Site:   | Description:                   |
| Replicates: 3                   |                |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-------------------------|
| Ag 328.068 | Ag            | nu    | -0.00056243     | -0.00056243   | mg/L  | 512.98516009     | 0.00033416       | 59.41366263         | 25.34691314    | 4.94            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.59129             |
| Al 396.152 | Al            | n     | 3.20152244      | 3.20152244    | mg/L  | 105242.39793201  | 0.07504143       | 2.34392940          | 2438.61088098  | 2.32            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.86229             |
| As 188.980 | As            | n     | 0.00745700      | 0.00745700    | mg/L  | 73.15538301      | 0.00219215       | 29.39715904         | 9.76951728     | 13.35           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.596505             |
| B 249.678  | B             | n     | 0.00506220      | 0.00506220    | mg/L  | 339.68739183     | 0.00045224       | 8.93373769          | 16.24192020    | 4.78            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.08283             |
| Ba 230.424 | Ba            | n     | 0.00674253      | 0.00674253    | mg/L  | 856.16406266     | 0.00019012       | 2.81965821          | 16.31546983    | 1.91            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.31892             |
| Be 313.107 | Be            | n     | 0.00012693      | 0.00012693    | mg/L  | 157.46789003     | 0.00001223       | 9.63693317          | 27.64917418    | 17.56           | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.235             |
| Ca 317.933 | Ca-R          | n     | 3.05305955      | 3.05305955    | mg/L  | 54076.16245306   | 0.01787601       | 0.58551147          | 302.99567169   | 0.56            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.84542             |
| Cd 214.439 | Cd            | n     | 0.00020024      | 0.00020024    | mg/L  | 113.43110932     | 0.00007158       | 35.74963295         | 11.75369366    | 10.36           | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.0719             |
| Co 230.786 | Co            | n     | 0.00448911      | 0.00448911    | mg/L  | 475.45375871     | 0.00027767       | 6.18546973          | 10.23254624    | 2.15            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.11845             |
| Cr 267.716 | Cr            | n     | 0.01673380      | 0.01673380    | mg/L  | 1357.39507569    | 0.00065425       | 3.90976474          | 38.71319299    | 2.85            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.67666             |
| Cu 324.754 | Cu            | n     | 0.15186106      | 0.15186106    | mg/L  | 5961.85297062    | 0.00288263       | 1.89820026          | 104.52509501   | 1.75            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.36001             |
| Fe 259.940 | Fe            | n     | 20.13066322     | 20.13066322   | mg/L  | 1141351.85528358 | 0.55171333       | 2.74066145          | 31276.24124380 | 2.74            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.29816             |
| K 766.491  | K-R           | n     | 0.88413464      | 0.88413464    | mg/L  | 1751.19046229    | 0.00596117       | 0.67423736          | 11.74336491    | 0.67            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.977818             |
| Li 670.783 | Li-R          | n     | 0.00447333      | 0.00447333    | mg/L  | 887.45921652     | 0.00013081       | 2.92427340          | 17.66708881    | 1.99            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.5408             |
| Mg 279.800 | Mg-R          | n     | 2.53705174      | 2.53705174    | mg/L  | 7350.09109980    | 0.01065931       | 0.42014543          | 30.47662647    | 0.41            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.156508             |
| Mn 257.610 | Mn            | n     | 0.35140451      | 0.35140451    | mg/L  | 149429.50264269  | 0.00761983       | 2.16839298          | 3229.18892234  | 2.16            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.4836             |
| Mo 204.598 | Mo            | n     | 0.00139903      | 0.00139903    | mg/L  | 17.85898361      | 0.00085426       | 61.06113829         | 6.36421166     | 35.64           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.931804             |
| Na 589.592 | Na-R          | n     | 0.93226876      | 0.93226876    | mg/L  | 13746.17046617   | 0.00607377       | 0.65150433          | 81.03635883    | 0.59            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.01679             |
| Ni 231.604 | Ni            | n     | 0.02422656      | 0.02422656    | mg/L  | 590.80880472     | 0.00026334       | 1.08698967          | 5.54772785     | 0.94            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.76781             |
| P 177.434  | P             | n     | 0.41798411      | 0.41798411    | mg/L  | 1326.47811081    | 0.01009106       | 2.41421993          | 31.68499219    | 2.39            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.908594             |
| Pb 220.353 | Pb            | n     | 2.57703031      | 2.57703031    | mg/L  | 17403.41163413   | 0.05958255       | 2.31206232          | 408.93017017   | 2.35            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.254314             |
| S 181.972  | S             | n     | 0.78664119      | 0.78664119    | mg/L  | 1560.57427175    | 0.01206177       | 1.53332570          | 23.51928469    | 1.51            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.903021             |
| Sb 206.834 | Sb            | nu    | -0.00268158     | -0.00268158   | mg/L  | -38.20073620     | 0.00400742       | 149.44245923        | 9.81634960     | 25.70           | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.541031             |
| Se 196.026 | Se            | nu    | -0.00411116     | -0.00411116   | mg/L  | 50.03718969      | 0.00226713       | 55.14570954         | 6.78470508     | 13.56           | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.644514             |
| Si 251.611 | Si            | n     | 4.44517257      | 4.44517257    | mg/L  | 37405.89492349   | 0.08370842       | 1.88313103          | 702.10113752   | 1.88            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.460966             |
| Sn 189.925 | Sn            | n     | 0.01346202      | 0.01346202    | mg/L  | 166.73723263     | 0.00039200       | 2.91186634          | 3.60492443     | 2.16            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.327396             |
| Sr 421.552 | Sr-R          | n     | 0.00869794      | 0.00869794    | mg/L  | 4865.40931068    | 0.00009737       | 1.11944650          | 54.24106587    | 1.11            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.4523             |
| Ti 334.941 | Ti            | n     | 0.30817278      | 0.30817278    | mg/L  | 103307.90710080  | 0.00990862       | 3.21527999          | 3302.54697430  | 3.20            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.4712             |
| Tl 190.794 | Tl            | n     | 0.00424822      | 0.00424822    | mg/L  | 0.82172904       | 0.00189874       | 44.69500129         | 5.28420681     | > 100.00        | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.003488             |
| V 292.401  | V             | n     | 0.01054172      | 0.01054172    | mg/L  | 347.85511667     | 0.00045279       | 4.29526141          | 15.40107518    | 4.43            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.37822             |
| Zn 206.200 | Zn            | n     | 24.52984081     | 24.52984081   | mg/L  | 1138882.48784472 | 0.93467304       | 3.81035100          | 43380.36354142 | 3.81            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.34090             |
| Y 371.029  | Y             |       | 0.94            | 0.94          | Ratio | 791393.91        | 0.01             | 1.46                | 11525.82       | 1.46            |             | -                 | -               | -                       | Fitted                | -                           | -                       |
| Y 371.029  | Y-R           |       | 1.04            | 1.04          | Ratio | 279158.38        | 0.01             | 0.51                | 1422.64        | 0.51            |             | -                 | -               | -                       | Fitted                | -                           | -                       |

|                |              |         |                   |
|----------------|--------------|---------|-------------------|
| Instrument:    | MET09        | Date:   | 12-MAR-2024 08:50 |
| Calibration #: | 674104210001 | X Axis: | R                 |
| Units:         | mg/L         |         |                   |

| Level | File     | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------|--------------|-----------|-------------------|-----------|
| L1    | icp data | 674104210002 | L1        | 12-MAR-2024 08:53 | S19988    |
| L2    | icp data | 674104210003 | L2        | 12-MAR-2024 08:56 | S19987    |
| L3    | icp data | 674104210004 | L3        | 12-MAR-2024 08:59 | S19986    |
| L4    | icp data | 674104210005 | L4        | 12-MAR-2024 09:03 | S19985    |
| L5    | icp data | 674104210006 | L5        | 12-MAR-2024 09:06 | S19984    |
| L6    | icp data | 674104210007 | L6        | 12-MAR-2024 09:09 | S19983    |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.04229 | 1.48E-4 |    | -12343 | 1.000          |      | 7 | 0.995              |       |

Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -77580 | -20800 | 4215.2 | 6695.7 | 6651.8 | 6762.5 |

| Spiked Amounts / Drifts | Ch | L1     | %D | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | 24 | 0.0100 | 16 | 0.1000 | 4  | 1.0000 | 3  | 5.0000 | -1 | 10.000 | 0  |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504073 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET09          | Cal Date: 12-MAR-2024 |
| Calnum: 674104210001 |                       |

- ICV 674104210010 (12-MAR-2024) stds: S20103

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.022 | mg/L  | 2  | 10  |       |

Label: ICALBLK

Rack/Tube: S1:1

Type: BLK

Date Time: 3/12/2024 8:50:35 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref:

Sample Date

Sample Site:

Description:

Replicates: 3

Flags Replicate 1:

Flags Replicate 2:

Flags Replicate 3:

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     | 0.00000000      | 0.00000000    | mg/L | 557.33232585  | -                | -                   | 25.32569193  | 4.54            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            | 0.00000                   |
| Al 396.152 | Al            | n     | 0.00000000      | 0.00000000    | mg/L | 1157.58354324 | -                | -                   | 31.78713672  | 2.75            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            | 0.00000                   |
| As 188.980 | As            | n     | 0.00000000      | 0.00000000    | mg/L | 30.65320924   | -                | -                   | 5.41277724   | 17.66           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            | 0.00000                   |
| B 249.678  | B             | n     | 0.00000000      | 0.00000000    | mg/L | 175.19140955  | -                | -                   | 19.80692791  | 11.31           | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            | 0.00000                   |
| Ba 230.424 | Ba            | n     | 0.00000000      | 0.00000000    | mg/L | 200.58688029  | -                | -                   | 19.44046215  | 9.69            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            | 0.00000                   |
| Be 313.107 | Be            | n     | 0.00000000      | 0.00000000    | mg/L | -107.06511963 | -                | -                   | 21.96205543  | 20.51           | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            | 0.00000                   |
| Ca 317.933 | Ca-R          | n     | 0.00000000      | 0.00000000    | mg/L | 2238.58394215 | -                | -                   | 23.16394529  | 1.03            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            | 0.00000                   |
| Cd 214.439 | Cd            | n     | 0.00000000      | 0.00000000    | mg/L | 36.81985292   | -                | -                   | 6.33289806   | 17.20           | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            | 0.00000                   |
| Co 230.786 | Co            | n     | 0.00000000      | 0.00000000    | mg/L | 291.21394946  | -                | -                   | 6.44278223   | 2.21            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            | 0.00000                   |
| Cr 267.716 | Cr            | n     | 0.00000000      | 0.00000000    | mg/L | 351.61287526  | -                | -                   | 9.89980902   | 2.82            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            | 0.00000                   |
| Cu 324.754 | Cu            | n     | 0.00000000      | 0.00000000    | mg/L | 520.70619826  | -                | -                   | 17.16340434  | 3.30            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            | 0.00000                   |
| Fe 259.940 | Fe            | n     | 0.00000000      | 0.00000000    | mg/L | 94.76002439   | -                | -                   | 25.09187254  | 26.48           | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            | 0.00000                   |
| K 766.491  | K-R           | n     | 0.00000000      | 0.00000000    | mg/L | 122.67811225  | -                | -                   | 35.76893488  | 29.16           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886429            | 0.00000                   |
| Li 670.783 | Li-R          | n     | 0.00000000      | 0.00000000    | mg/L | 0.00000000    | -                | -                   | 76.96218787  | > 100.00        | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            | 0.00000                   |
| Mg 279.800 | Mg-R          | n     | 0.00000000      | 0.00000000    | mg/L | 54.45965187   | -                | -                   | 4.11916871   | 7.56            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            | 0.00000                   |
| Mn 257.610 | Mn            | n     | 0.00000000      | 0.00000000    | mg/L | 412.02111226  | -                | -                   | 36.37969234  | 8.83            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            | 0.00000                   |
| Mo 204.598 | Mo            | n     | 0.00000000      | 0.00000000    | mg/L | 6.86318450    | -                | -                   | 2.76619790   | 40.30           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            | 0.00000                   |
| Na 589.592 | Na-R          | n     | 0.00000000      | 0.00000000    | mg/L | 1164.55694409 | -                | -                   | 166.28203884 | 14.28           | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            | 0.00000                   |
| Ni 231.604 | Ni            | n     | 0.00000000      | 0.00000000    | mg/L | 75.02903448   | -                | -                   | 3.60959860   | 4.81            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            | 0.00000                   |
| P 177.434  | P             | n     | 0.00000000      | 0.00000000    | mg/L | 13.03842666   | -                | -                   | 1.46420356   | 11.23           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            | 0.00000                   |
| Pb 220.353 | Pb            | n     | 0.00000000      | 0.00000000    | mg/L | -286.64168919 | -                | -                   | 23.28810638  | 8.12            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            | 0.00000                   |
| S 181.972  | S             | n     | 0.00000000      | 0.00000000    | mg/L | 25.29650439   | -                | -                   | 2.22988985   | 8.82            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             | 0.00000                   |
| Sb 206.834 | Sb            | n     | 0.00000000      | 0.00000000    | mg/L | -34.63471031  | -                | -                   | 0.90079912   | 2.60            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            | 0.00000                   |
| Se 196.026 | Se            | n     | 0.00000000      | 0.00000000    | mg/L | 69.50184813   | -                | -                   | 11.97879674  | 17.24           | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            | 0.00000                   |
| Si 251.611 | Si            | n     | 0.00000000      | 0.00000000    | mg/L | 123.03242314  | -                | -                   | 24.33310661  | 19.78           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            | 0.00000                   |
| Sn 189.925 | Sn            | n     | 0.00000000      | 0.00000000    | mg/L | 46.53269080   | -                | -                   | 4.13074582   | 8.88            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            | 0.00000                   |
| Sr 421.552 | Sr-R          | n     | 0.00000000      | 0.00000000    | mg/L | 95.96345610   | -                | -                   | 49.46500029  | 51.55           | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            | 0.00000                   |
| Ti 334.941 | Ti            | n     | 0.00000000      | 0.00000000    | mg/L | 611.36812609  | -                | -                   | 46.92989485  | 7.68            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            | 0.00000                   |
| Tl 190.794 | Tl            | n     | 0.00000000      | 0.00000000    | mg/L | 3.13900101    | -                | -                   | 1.81312963   | 57.76           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            | 0.00000                   |
| V 292.401  | V             | n     | 0.00000000      | 0.00000000    | mg/L | 8.83098251    | -                | -                   | 12.99159185  | > 100.00        | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            | 0.00000                   |
| Zn 206.200 | Zn            | n     | 0.00000000      | 0.00000000    | mg/L | 141.92994005  | -                | -                   | 6.42837383   | 4.53            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            | 0.00000                   |
| Y 371.029  | Y             | 1.00  | 1.00            | Ratio         |      | 844392.39     | 0.00             | 0.00                | 9396.98      | 1.11            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00                      |
| Y 371.029  | Y-R           | 1.00  | 1.00            | Ratio         |      | 268725.89     | 0.00             | 0.00                | 285.61       | 0.11            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00                      |

Label: ICAL.L1,S19988

Rack:Tube: S1:2

Type: STD

Date Time: 3/12/2024 8:53:42 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 552.74935156  | -                | -                   | 15.60908879  | 2.82            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |                           |
| Al 396.152 | Al            | n     | 0.00666667      | 0.00666667    | mg/L  | 1465.40705370 | -                | -                   | 44.62710153  | 3.05            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            | 0.0066666                 |
| As 188.980 | As            | n     | 0.00333333      | 0.00333333    | mg/L  | 58.42365450   | -                | -                   | 7.94942186   | 13.61           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            | 0.0033333                 |
| B 249.678  | B             | n     | 0.00333333      | 0.00333333    | mg/L  | 287.51556273  | -                | -                   | 14.94053174  | 5.20            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            | 0.0033333                 |
| Ba 230.424 | Ba            | n     | 0.00333333      | 0.00333333    | mg/L  | 572.08753366  | -                | -                   | 7.08659324   | 1.24            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            | 0.0033333                 |
| Be 313.107 | Be            | n     | 0.00100000      | 0.00100000    | mg/L  | 2025.66958170 | -                | -                   | 52.81236424  | 2.61            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            | 0.0010000                 |
| Ca 317.933 | Ca-R          | n     | 0.03333333      | 0.03333333    | mg/L  | 2835.51433256 | -                | -                   | 6.83775758   | 0.24            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            | 0.0333333                 |
| Cd 214.439 | Cd            | n     | 0.00166667      | 0.00166667    | mg/L  | 324.89982005  | -                | -                   | 12.31385404  | 3.79            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            | 0.0016666                 |
| Co 230.786 | Co            | n     | 0.00166667      | 0.00166667    | mg/L  | 354.04722373  | -                | -                   | 2.41393990   | 0.68            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.4947377711691           | 36851.1184541649            | 0.0016666                 |
| Cr 267.716 | Cr            | n     | 0.00333333      | 0.00333333    | mg/L  | 572.79747509  | -                | -                   | 6.98488390   | 1.22            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            | 0.0033333                 |
| Cu 324.754 | Cu            | n     | 0.00333333      | 0.00333333    | mg/L  | 621.76386549  | -                | -                   | 32.25037498  | 5.19            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            | 0.0033333                 |
| Fe 259.940 | Fe            | n     | 0.00666667      | 0.00666667    | mg/L  | 545.46446976  | -                | -                   | 11.59798667  | 2.13            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            | 0.0066666                 |
| K 766.491  | K-R           | n     | 0.06666667      | 0.06666667    | mg/L  | 174.44346181  | -                | -                   | 8.29730654   | 4.76            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886429            | 0.0666666                 |
| Li 670.783 | Li-R          | n     | 0.00333333      | 0.00333333    | mg/L  | 680.14689856  | -                | -                   | 101.18631185 | 14.88           | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            | 0.0033333                 |
| Mg 279.800 | Mg-R          | n     | 0.03333333      | 0.03333333    | mg/L  | 162.78092031  | -                | -                   | 6.53228142   | 4.01            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            | 0.0333333                 |
| Mn 257.610 | Mn            | n     | 0.00333333      | 0.00333333    | mg/L  | 1850.33060753 | -                | -                   | 7.31899233   | 0.40            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            | 0.0033333                 |
| Mo 204.598 | Mo            | n     | 0.00333333      | 0.00333333    | mg/L  | 27.92879362   | -                | -                   | 11.42629833  | 40.91           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            | 0.0033333                 |
| Na 589.592 | Na-R          | n     | 0.06666667      | 0.06666667    | mg/L  | 1974.56144482 | -                | -                   | 145.91977848 | 7.39            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            | 0.0666666                 |
| Ni 231.604 | Ni            | n     | 0.00333333      | 0.00333333    | mg/L  | 151.28487433  | -                | -                   | 11.99120708  | 7.93            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            | 0.0033333                 |
| P 177.434  | P             | n     |                 |               | mg/L  | 7.39131435    | -                | -                   | 2.80961234   | 38.01           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            |                           |
| Pb 220.353 | Pb            | n     | 0.00333333      | 0.00333333    | mg/L  | -258.59650025 | -                | -                   | 11.60293796  | 4.49            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            | 0.0033333                 |
| S 181.972  | S             | n     |                 |               | mg/L  | 24.78088715   | -                | -                   | 2.25577908   | 9.10            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |                           |
| Sb 206.834 | Sb            | n     | 0.01000010      | 0.01000010    | mg/L  | -10.55108090  | -                | -                   | 6.35416426   | 60.22           | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            | 0.0100001                 |
| Se 196.026 | Se            | n     | 0.01000001      | 0.01000001    | mg/L  | 95.18412974   | -                | -                   | 8.24217875   | 8.66            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            | 0.0100000                 |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 115.10971179  | -                | -                   | 5.40221307   | 4.69            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |                           |
| Sn 189.925 | Sn            | n     | 0.00333333      | 0.00333333    | mg/L  | 71.38161341   | -                | -                   | 4.62621963   | 6.48            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            | 0.0033333                 |
| Sr 421.552 | Sr-R          | n     | 0.01666667      | 0.01666667    | mg/L  | 9256.97836881 | -                | -                   | 19.52225473  | 0.21            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            | 0.0166666                 |
| Ti 334.941 | Ti            | n     | 0.00333333      | 0.00333333    | mg/L  | 1677.11712172 | -                | -                   | 54.64698300  | 3.26            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            | 0.0033333                 |
| Tl 190.794 | Tl            | n     | 0.01000010      | 0.01000010    | mg/L  | 10.03860694   | -                | -                   | 1.30858657   | 13.04           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            | 0.0100001                 |
| V 292.401  | V             | n     | 0.00166667      | 0.00166667    | mg/L  | 61.34297443   | -                | -                   | 13.29160969  | 21.67           | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            | 0.0016666                 |
| Zn 206.200 | Zn            | n     | 0.01000010      | 0.01000010    | mg/L  | 584.62263971  | -                | -                   | 4.32896783   | 0.74            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            | 0.0100001                 |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 842262.47     | 0.01             | 1.21                | 10180.54     | 1.21            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.99                      |
| Y 371.029  | Y-R           |       | 1.02            | 1.02          | Ratio | 275302.48     | 0.01             | 0.53                | 1460.17      | 0.53            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.02                      |

Label: ICAL.L2,S19987

Rack:Tube: S1:3

Type: STD

Date Time: 3/12/2024 8:56:49 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity      | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|-------|----------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 533.66929647   | -                | -                   | 12.72987065  | 2.39            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |                           |
| Al 396.152 | Al            | n     | 0.02000000      | 0.02000000    | mg/L  | 1744.36651058  | -                | -                   | 20.46920612  | 1.17            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            | 0.020000                  |
| As 188.980 | As            | n     | 0.01000000      | 0.01000000    | mg/L  | 82.85454582    | -                | -                   | 0.28221753   | 0.34            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            | 0.010000                  |
| B 249.678  | B             | n     | 0.01000000      | 0.01000000    | mg/L  | 528.10416628   | -                | -                   | 7.02901864   | 1.33            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            | 0.010000                  |
| Ba 230.424 | Ba            | n     | 0.01000000      | 0.01000000    | mg/L  | 1135.05454551  | -                | -                   | 20.67489278  | 1.82            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            | 0.010000                  |
| Be 313.107 | Be            | n     | 0.00300000      | 0.00300000    | mg/L  | 6573.52257846  | -                | -                   | 152.28586680 | 2.32            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            | 0.003000                  |
| Ca 317.933 | Ca-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 3941.69415063  | -                | -                   | 47.43763619  | 1.20            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            | 0.100000                  |
| Cd 214.439 | Cd            | n     | 0.00500000      | 0.00500000    | mg/L  | 860.67090753   | -                | -                   | 5.72743072   | 0.67            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            | 0.005000                  |
| Co 230.786 | Co            | n     | 0.00500000      | 0.00500000    | mg/L  | 478.07706894   | -                | -                   | 11.12239735  | 2.33            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            | 0.005000                  |
| Cr 267.716 | Cr            | n     | 0.01000000      | 0.01000000    | mg/L  | 951.29219713   | -                | -                   | 4.64405599   | 0.49            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            | 0.010000                  |
| Cu 324.754 | Cu            | n     | 0.01000000      | 0.01000000    | mg/L  | 791.97793670   | -                | -                   | 11.42027974  | 1.44            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            | 0.010000                  |
| Fe 259.940 | Fe            | n     | 0.02000000      | 0.02000000    | mg/L  | 1284.51057915  | -                | -                   | 7.22564369   | 0.56            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            | 0.020000                  |
| K 766.491  | K-R           | n     | 0.20000000      | 0.20000000    | mg/L  | 322.92103371   | -                | -                   | 40.42087398  | 12.52           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886429            | 0.200000                  |
| Li 670.783 | Li-R          | n     | 0.01000000      | 0.01000000    | mg/L  | 1698.75020374  | -                | -                   | 40.35946739  | 2.38            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            | 0.010000                  |
| Mg 279.800 | Mg-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 349.43918885   | -                | -                   | 8.46713987   | 2.42            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            | 0.100000                  |
| Mn 257.610 | Mn            | n     | 0.01000000      | 0.01000000    | mg/L  | 4695.36758272  | -                | -                   | 76.74688637  | 1.63            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            | 0.010000                  |
| Mo 204.598 | Mo            | n     | 0.01000000      | 0.01000000    | mg/L  | 69.71054149    | -                | -                   | 8.31203557   | 11.92           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            | 0.010000                  |
| Na 589.592 | Na-R          | n     | 0.20000000      | 0.20000000    | mg/L  | 3868.05950884  | -                | -                   | 44.06693669  | 1.14            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            | 0.200000                  |
| Ni 231.604 | Ni            | n     | 0.01000000      | 0.01000000    | mg/L  | 297.10003106   | -                | -                   | 18.44737275  | 6.21            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            | 0.010000                  |
| P 177.434  | P             | n     |                 |               | mg/L  | 9.27620745     | -                | -                   | 1.52634357   | 16.45           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            |                           |
| Pb 220.353 | Pb            | n     | 0.01000000      | 0.01000000    | mg/L  | -208.00377619  | -                | -                   | 7.37247037   | 3.54            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            | 0.010000                  |
| S 181.972  | S             | n     |                 |               | mg/L  | 26.37744109    | -                | -                   | 2.46808513   | 9.36            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |                           |
| Sb 206.834 | Sb            | n     | 0.03000030      | 0.03000030    | mg/L  | 44.26876097    | -                | -                   | 4.06751123   | 9.19            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            | 0.030000                  |
| Se 196.026 | Se            | n     | 0.03000003      | 0.03000003    | mg/L  | 154.32876221   | -                | -                   | 13.34935910  | 8.65            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            | 0.030000                  |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 113.58187901   | -                | -                   | 8.76958050   | 7.72            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |                           |
| Sn 189.925 | Sn            | n     | 0.01000000      | 0.01000000    | mg/L  | 128.97977880   | -                | -                   | 7.74935513   | 6.01            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            | 0.010000                  |
| Sr 421.552 | Sr-R          | n     | 0.05000000      | 0.05000000    | mg/L  | 27701.80437696 | -                | -                   | 144.38637825 | 0.52            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            | 0.050000                  |
| Ti 334.941 | Ti            | n     | 0.01000000      | 0.01000000    | mg/L  | 3880.64355349  | -                | -                   | 113.29746078 | 2.92            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            | 0.010000                  |
| Tl 190.794 | Tl            | n     | 0.03000030      | 0.03000030    | mg/L  | 62.89841990    | -                | -                   | 12.09420467  | 19.23           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            | 0.030000                  |
| V 292.401  | V             | n     | 0.00500000      | 0.00500000    | mg/L  | 164.62234052   | -                | -                   | 13.13489685  | 7.98            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            | 0.005000                  |
| Zn 206.200 | Zn            | n     | 0.03000030      | 0.03000030    | mg/L  | 1636.33773805  | -                | -                   | 37.37558201  | 2.28            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            | 0.030000                  |
| Y 371.029  | Y             |       | 0.98            | 0.98          | Ratio | 827688.80      | 0.01             | 0.91                | 7557.46      | 0.91            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.97                      |
| Y 371.029  | Y-R           |       | 1.02            | 1.02          | Ratio | 275196.61      | 0.01             | 1.15                | 3164.94      | 1.15            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.02                      |

Label: ICAL.L3.S19986

Rack/Tube: S1:4

Type: STD

Date Time: 3/12/2024 8:59:56 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity       | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concntrs Replicate |
|------------|---------------|-------|-----------------|---------------|-------|-----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|--------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 539.08429723    | -                | -                   | 32.46248072   | 6.02            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |                    |
| Al 396.152 | Al            | n     | 0.20000000      | 0.20000000    | mg/L  | 7285.32931512   | -                | -                   | 263.99439314  | 3.62            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            | 0.2000             |
| As 188.980 | As            | n     | 0.10000000      | 0.10000000    | mg/L  | 453.00967151    | -                | -                   | 23.24293467   | 5.13            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            | 0.1000             |
| B 249.678  | B             | n     | 0.10000000      | 0.10000000    | mg/L  | 3569.03072134   | -                | -                   | 138.18097981  | 3.87            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            | 0.1000             |
| Ba 230.424 | Ba            | n     | 0.10000000      | 0.10000000    | mg/L  | 8671.94110408   | -                | -                   | 360.21044532  | 4.15            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            | 0.1000             |
| Be 313.107 | Be            | n     | 0.03000000      | 0.03000000    | mg/L  | 68423.48685001  | -                | -                   | 2841.53939019 | 4.15            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            | 0.0300             |
| Ca 317.933 | Ca-R          | n     | 1.00000000      | 1.00000000    | mg/L  | 19106.96657347  | -                | -                   | 144.14816720  | 0.75            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.573994467295           | 16949.8454242147            | 1.0000             |
| Cd 214.439 | Cd            | n     | 0.05000000      | 0.05000000    | mg/L  | 8246.27321357   | -                | -                   | 311.86765340  | 3.78            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            | 0.0500             |
| Co 230.786 | Co            | n     | 0.05000000      | 0.05000000    | mg/L  | 2113.44561860   | -                | -                   | 79.11223169   | 3.74            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            | 0.0500             |
| Cr 267.716 | Cr            | n     | 0.10000000      | 0.10000000    | mg/L  | 6263.84602067   | -                | -                   | 243.29248349  | 3.88            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            | 0.1000             |
| Cu 324.754 | Cu            | n     | 0.10000000      | 0.10000000    | mg/L  | 3925.96771190   | -                | -                   | 154.24170643  | 3.93            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            | 0.1000             |
| Fe 259.940 | Fe            | n     | 0.20000000      | 0.20000000    | mg/L  | 11444.75000627  | -                | -                   | 441.50808697  | 3.86            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            | 0.2000             |
| K 766.491  | K-R           | n     | 2.00000000      | 2.00000000    | mg/L  | 3683.74741910   | -                | -                   | 22.68888667   | 0.62            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886429            | 2.0000             |
| Li 670.783 | Li-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 13836.83670284  | -                | -                   | 123.99797345  | 0.90            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            | 0.1000             |
| Mg 279.800 | Mg-R          | n     | 1.00000000      | 1.00000000    | mg/L  | 2987.64723934   | -                | -                   | 38.36936214   | 1.28            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            | 1.0000             |
| Mn 257.610 | Mn            | n     | 0.10000000      | 0.10000000    | mg/L  | 42884.04414831  | -                | -                   | 1837.41146805 | 4.28            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            | 0.1000             |
| Mo 204.598 | Mo            | n     | 0.10000000      | 0.10000000    | mg/L  | 717.64194074    | -                | -                   | 51.98499249   | 7.24            | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            | 0.1000             |
| Na 589.592 | Na-R          | n     | 2.00000000      | 2.00000000    | mg/L  | 28465.05164258  | -                | -                   | 219.45142172  | 0.77            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            | 2.0000             |
| Ni 231.604 | Ni            | n     | 0.10000000      | 0.10000000    | mg/L  | 2154.20313887   | -                | -                   | 87.82520502   | 4.08            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            | 0.1000             |
| P 177.434  | P             | n     |                 |               | mg/L  | 4.75820563      | -                | -                   | 3.08636154    | 64.86           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            |                    |
| Pb 220.353 | Pb            | n     | 0.10000000      | 0.10000000    | mg/L  | 421.51613782    | -                | -                   | 33.65386268   | 7.98            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            | 0.1000             |
| S 181.972  | S             | n     |                 |               | mg/L  | 23.16918719     | -                | -                   | 2.07482950    | 8.96            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |                    |
| Sb 206.834 | Sb            | n     | 0.30000300      | 0.30000300    | mg/L  | 677.37724382    | -                | -                   | 27.27342418   | 4.03            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            | 0.3000             |
| Se 196.026 | Se            | n     | 0.30000030      | 0.30000030    | mg/L  | 911.23908151    | -                | -                   | 56.50274782   | 6.20            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            | 0.3000             |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 149.08259997    | -                | -                   | 33.81525631   | 22.68           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |                    |
| Sn 189.925 | Sn            | n     | 0.10000000      | 0.10000000    | mg/L  | 952.21593550    | -                | -                   | 34.92241828   | 3.67            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            | 0.1000             |
| Sr 421.552 | Sr-R          | n     | 0.50000000      | 0.50000000    | mg/L  | 284118.43799288 | -                | -                   | 1345.97042872 | 0.47            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            | 0.5000             |
| Ti 334.941 | Ti            | n     | 0.10000000      | 0.10000000    | mg/L  | 33078.28553839  | -                | -                   | 1620.63774278 | 4.90            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            | 0.1000             |
| Tl 190.794 | Tl            | n     | 0.30000300      | 0.30000300    | mg/L  | 853.69670801    | -                | -                   | 52.96238770   | 6.20            | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            | 0.3000             |
| V 292.401  | V             | n     | 0.05000000      | 0.05000000    | mg/L  | 1645.41577372   | -                | -                   | 68.11576986   | 4.14            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            | 0.0500             |
| Zn 206.200 | Zn            | n     | 0.30000300      | 0.30000300    | mg/L  | 14713.82972246  | -                | -                   | 566.95037717  | 3.85            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            | 0.3000             |
| Y 371.029  | Y             |       | 0.97            | 0.97          | Ratio | 819618.35       | 0.01             | 0.94                | 7663.73       | 0.94            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.96               |
| Y 371.029  | Y-R           |       | 1.03            | 1.03          | Ratio | 275994.86       | 0.01             | 0.81                | 2229.14       | 0.81            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.04               |

Label: ICAL,L4,S19985

Rack/Tube: S1:5

Type: STD

Date Time: 3/12/2024 9:03:03 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | C R |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-----|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 532.42963471     | -                | -                   | 20.68709859    | 3.89            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |     |
| Al 396.152 | Al            | n     | 2.00000000      | 2.00000000    | mg/L  | 65895.24414949   | -                | -                   | 2453.32124639  | 3.72            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            | 2   |
| As 188.980 | As            | n     | 1.00000000      | 1.00000000    | mg/L  | 4461.86034530    | -                | -                   | 153.07272478   | 3.43            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            | 1   |
| B 249.678  | B             | n     | 1.00000000      | 1.00000000    | mg/L  | 36029.34543511   | -                | -                   | 1235.54973512  | 3.43            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            | 1   |
| Ba 230.424 | Ba            | n     | 1.00000000      | 1.00000000    | mg/L  | 85374.96581779   | -                | -                   | 3098.32375649  | 3.63            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            | 1   |
| Be 313.107 | Be            | n     | 0.30000000      | 0.30000000    | mg/L  | 715969.16640064  | -                | -                   | 24386.36692085 | 3.41            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            | 0   |
| Ca 317.933 | Ca-R          | n     | 10.00000000     | 10.00000000   | mg/L  | 172538.73380709  | -                | -                   | 80.32302259    | 0.05            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            | 1   |
| Cd 214.439 | Cd            | n     | 0.50000000      | 0.50000000    | mg/L  | 83468.53402535   | -                | -                   | 2629.64926564  | 3.15            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            | 0   |
| Co 230.786 | Co            | n     | 0.50000000      | 0.50000000    | mg/L  | 19014.00394518   | -                | -                   | 649.28326774   | 3.41            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            | 0   |
| Cr 267.716 | Cr            | n     | 1.00000000      | 1.00000000    | mg/L  | 61072.55359108   | -                | -                   | 2078.09551220  | 3.40            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            | 1   |
| Cu 324.754 | Cu            | n     | 1.00000000      | 1.00000000    | mg/L  | 37451.54989370   | -                | -                   | 1295.67218995  | 3.46            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            | 1   |
| Fe 259.940 | Fe            | n     | 2.00000000      | 2.00000000    | mg/L  | 114637.30018438  | -                | -                   | 3976.78550628  | 3.47            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            | 2   |
| K 766.491  | K-R           | n     | 20.00000000     | 20.00000000   | mg/L  | 38919.86697932   | -                | -                   | 56.39528160    | 0.14            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886429            | 2   |
| Li 670.783 | Li-R          | n     | 1.00000000      | 1.00000000    | mg/L  | 134567.03681378  | -                | -                   | 434.22092163   | 0.32            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            | 1   |
| Mg 279.800 | Mg-R          | n     | 10.00000000     | 10.00000000   | mg/L  | 29460.97609242   | -                | -                   | 47.27455986    | 0.16            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            | 1   |
| Mn 257.610 | Mn            | n     | 1.00000000      | 1.00000000    | mg/L  | 428733.32688241  | -                | -                   | 14776.12955760 | 3.45            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            | 1   |
| Mo 204.598 | Mo            | n     | 1.00000000      | 1.00000000    | mg/L  | 7496.46703615    | -                | -                   | 341.43019466   | 4.55            | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            | 1   |
| Na 589.592 | Na-R          | n     | 20.00000000     | 20.00000000   | mg/L  | 274638.44642890  | -                | -                   | 259.89325996   | 0.09            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            | 2   |
| Ni 231.604 | Ni            | n     | 1.00000000      | 1.00000000    | mg/L  | 21486.74070850   | -                | -                   | 745.82742387   | 3.47            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            | 1   |
| P 177.434  | P             | n     |                 |               | mg/L  | 18.44220618      | -                | -                   | 3.47885416     | 18.86           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            |     |
| Pb 220.353 | Pb            | n     | 1.00000000      | 1.00000000    | mg/L  | 6695.66054119    | -                | -                   | 231.78555169   | 3.46            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            | 1   |
| S 181.972  | S             | n     |                 |               | mg/L  | 48.69165268      | -                | -                   | 2.41014969     | 4.95            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |     |
| Sb 206.834 | Sb            | n     | 3.00003000      | 3.00003000    | mg/L  | 7218.43409003    | -                | -                   | 267.03175273   | 3.70            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            | 3   |
| Se 196.026 | Se            | n     | 3.00000300      | 3.00000300    | mg/L  | 9049.73147277    | -                | -                   | 447.40369829   | 4.94            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            | 3   |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 269.40736012     | -                | -                   | 10.85075146    | 4.03            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |     |
| Sn 189.925 | Sn            | n     | 1.00000000      | 1.00000000    | mg/L  | 9455.66627043    | -                | -                   | 328.03882761   | 3.47            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            | 1   |
| Sr 421.552 | Sr-R          | n     | 5.00000000      | 5.00000000    | mg/L  | 2876923.98685663 | -                | -                   | 10589.19242607 | 0.37            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            | 5   |
| Ti 334.941 | Ti            | n     | 1.00000000      | 1.00000000    | mg/L  | 342690.86424257  | -                | -                   | 12905.08362136 | 3.77            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            | 1   |
| Tl 190.794 | Tl            | n     | 3.00003000      | 3.00003000    | mg/L  | 9043.58677280    | -                | -                   | 402.64671747   | 4.45            | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            | 3   |
| V 292.401  | V             | n     | 0.50000000      | 0.50000000    | mg/L  | 17209.72938503   | -                | -                   | 629.37376106   | 3.66            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            | 0   |
| Zn 206.200 | Zn            | n     | 3.00003000      | 3.00003000    | mg/L  | 149502.37490049  | -                | -                   | 4855.68353182  | 3.25            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            | 3   |
| Y 371.029  | Y             |       | 0.95            | 0.95          | Ratio | 805529.03        | 0.01             | 1.07                | 8605.56        | 1.07            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0   |
| Y 371.029  | Y-R           |       | 1.01            | 1.01          | Ratio | 271738.28        | 0.00             | 0.14                | 376.67         | 0.14            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1   |



Label: ICAL,L5,S19984

Rack/Tube: S1:6

Type: STD

Date Time: 3/12/2024 9:06:10 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Flags Replicate 1:

Flags Replicate 2:

Flags Replicate 3:

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 540.11489479     | -                | -                   | 20.57071566     | 3.81            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912               |
| Al 396.152 | Al            | n     | 10.00000000     | 10.00000000   | mg/L  | 338086.25812555  | -                | -                   | 16298.84765637  | 4.82            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940               |
| As 188.980 | As            | n     | 5.00000000      | 5.00000000    | mg/L  | 22286.32619269   | -                | -                   | 945.36257130    | 4.24            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574               |
| B 249.678  | B             | n     | 5.00000000      | 5.00000000    | mg/L  | 180385.68953750  | -                | -                   | 7603.18771501   | 4.21            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351               |
| Ba 230.424 | Ba            | n     | 5.00000000      | 5.00000000    | mg/L  | 415084.12221618  | -                | -                   | 18546.24370121  | 4.47            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295               |
| Be 313.107 | Be            | n     | 1.50000000      | 1.50000000    | mg/L  | 3504848.10213421 | -                | -                   | 149704.87809521 | 4.27            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525               |
| Ca 317.933 | Ca-R          | n     | 50.00000000     | 50.00000000   | mg/L  | 826696.49160307  | -                | -                   | 1310.89509930   | 0.16            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242               |
| Cd 214.439 | Cd            | n     | 2.50000000      | 2.50000000    | mg/L  | 402061.35801379  | -                | -                   | 17019.72785966  | 4.23            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982               |
| Co 230.786 | Co            | n     | 2.50000000      | 2.50000000    | mg/L  | 90933.64916890   | -                | -                   | 3795.14657771   | 4.17            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541               |
| Cr 267.716 | Cr            | n     | 5.00000000      | 5.00000000    | mg/L  | 297268.74384726  | -                | -                   | 12672.72302099  | 4.26            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656               |
| Cu 324.754 | Cu            | n     | 5.00000000      | 5.00000000    | mg/L  | 192773.34486288  | -                | -                   | 9635.13213310   | 5.00            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193               |
| Fe 259.940 | Fe            | n     | 10.00000000     | 10.00000000   | mg/L  | 552322.89769661  | -                | -                   | 27556.41942495  | 4.99            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698               |
| K 766.491  | K-R           | n     | 100.00000000    | 100.00000000  | mg/L  | 197166.05875558  | -                | -                   | 247.74304875    | 0.13            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886               |
| Li 670.783 | Li-R          | n     | 5.00000000      | 5.00000000    | mg/L  | 663245.73204411  | -                | -                   | 1759.48405530   | 0.27            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868               |
| Mg 279.800 | Mg-R          | n     | 50.00000000     | 50.00000000   | mg/L  | 141852.27850039  | -                | -                   | 349.74237446    | 0.25            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855               |
| Mn 257.610 | Mn            | n     | 5.00000000      | 5.00000000    | mg/L  | 2057909.58788721 | -                | -                   | 81042.29341823  | 3.94            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602               |
| Mo 204.598 | Mo            | n     | 5.00000000      | 5.00000000    | mg/L  | 37808.05414952   | -                | -                   | 1784.14698948   | 4.72            | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475               |
| Na 589.592 | Na-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 1331193.17748668 | -                | -                   | 475.00859624    | 0.04            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986               |
| Ni 231.604 | Ni            | n     | 5.00000000      | 5.00000000    | mg/L  | 103576.28015541  | -                | -                   | 4390.98527534   | 4.24            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138               |
| P 177.434  | P             | n     |                 |               | mg/L  | -0.16304525      | -                | -                   | 5.97323172      | > 100.00        |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456               |
| Pb 220.353 | Pb            | n     | 5.00000000      | 5.00000000    | mg/L  | 33259.06593657   | -                | -                   | 1427.53065667   | 4.29            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405               |
| S 181.972  | S             | n     |                 |               | mg/L  | 91.38209012      | -                | -                   | 5.88242670      | 6.44            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.90302177               |
| Sb 206.834 | Sb            | n     | 15.00015000     | 15.00015000   | mg/L  | 36573.07769535   | -                | -                   | 1437.81271868   | 3.93            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130               |
| Se 196.026 | Se            | n     | 15.00000000     | 15.00000000   | mg/L  | 44688.91300051   | -                | -                   | 2162.01242736   | 4.84            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480               |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 813.79308419     | -                | -                   | 11.60968328     | 1.43            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605               |
| Sn 189.925 | Sn            | n     | 5.00000000      | 5.00000000    | mg/L  | 45715.83657707   | -                | -                   | 1908.87150331   | 4.18            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671               |
| Sr 421.552 | Sr-R          | n     | 25.00000000     | 25.00000000   | mg/L  | 1380373.71828000 | -                | -                   | 27261.20769374  | 0.20            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375               |
| Ti 334.941 | Ti            | n     | 5.00000000      | 5.00000000    | mg/L  | 1664497.30530297 | -                | -                   | 93512.50765654  | 5.62            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287               |
| Tl 190.794 | Tl            | n     | 15.00015000     | 15.00015000   | mg/L  | 44064.02306226   | -                | -                   | 2286.15548430   | 5.19            | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844               |
| V 292.401  | V             | n     | 2.50000000      | 2.50000000    | mg/L  | 84925.60837771   | -                | -                   | 3772.70664766   | 4.44            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286               |
| Zn 206.200 | Zn            | n     | 15.00015000     | 15.00015000   | mg/L  | 693832.72355186  | -                | -                   | 41729.38321798  | 6.01            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056               |
| Y 371.029  | Y             |       | 0.93            | 0.93          | Ratio | 782408.87        | 0.01             | 1.16                | 9080.97         | 1.16            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.99            | 0.99          | Ratio | 265501.58        | 0.01             | 0.51                | 1361.39         | 0.51            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Label: ICAL.L6.S19983

Rack/Tube: S1:7

Type: STD

Date Time: 3/12/2024 9:09:17 AM

Weight: -

Volume: -

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Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 534.33726960      | -                | -                   | 4.74557208      | 0.89            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |
| Al 396.152 | Al            | n     | 20.00000000     | 20.00000000   | mg/L  | 716132.00130323   | -                | -                   | 26356.59927195  | 3.68            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            |
| As 188.980 | As            | n     | 10.00000000     | 10.00000000   | mg/L  | 45617.30589920    | -                | -                   | 1467.43592753   | 3.22            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            |
| B 249.678  | B             | n     | 10.00000000     | 10.00000000   | mg/L  | 373410.56312603   | -                | -                   | 11847.03637372  | 3.17            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            |
| Ba 230.424 | Ba            | n     | 10.00000000     | 10.00000000   | mg/L  | 837587.07711949   | -                | -                   | 28444.56694618  | 3.40            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            |
| Be 313.107 | Be            | n     | 3.00000000      | 3.00000000    | mg/L  | 7099634.90788299  | -                | -                   | 222677.36711307 | 3.14            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            |
| Ca 317.933 | Ca-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 1650103.90990443  | -                | -                   | 3031.95683002   | 0.18            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            |
| Cd 214.439 | Cd            | n     | 5.00000000      | 5.00000000    | mg/L  | 791643.62280409   | -                | -                   | 32697.66579800  | 4.13            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            |
| Co 230.786 | Co            | n     | 5.00000000      | 5.00000000    | mg/L  | 184477.73123729   | -                | -                   | 5346.91653149   | 2.90            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.118454164             |
| Cr 267.716 | Cr            | n     | 10.00000000     | 10.00000000   | mg/L  | 601468.41092873   | -                | -                   | 19465.75548081  | 3.24            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            |
| Cu 324.754 | Cu            | n     | 10.00000000     | 10.00000000   | mg/L  | 405187.54752754   | -                | -                   | 14914.94759761  | 3.68            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            |
| Fe 259.940 | Fe            | n     | 20.00000000     | 20.00000000   | mg/L  | 1122184.20331440  | -                | -                   | 35962.24349603  | 3.20            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            |
| K 766.491  | K-R           | n     | 200.00000000    | 200.00000000  | mg/L  | 403925.57724673   | -                | -                   | 728.48805972    | 0.18            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.9778188642             |
| Li 670.783 | Li-R          | n     | 10.00000000     | 10.00000000   | mg/L  | 1362379.73207701  | -                | -                   | 2242.02279773   | 0.16            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540866532            |
| Mg 279.800 | Mg-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 285374.27504899   | -                | -                   | 137.79620841    | 0.05            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.1565085509             |
| Mn 257.610 | Mn            | n     | 10.00000000     | 10.00000000   | mg/L  | 4136946.98099359  | -                | -                   | 128119.63959719 | 3.10            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            |
| Mo 204.598 | Mo            | n     | 10.00000000     | 10.00000000   | mg/L  | 76467.25551238    | -                | -                   | 3564.22724540   | 4.66            | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            |
| Na 589.592 | Na-R          | n     | 200.00000000    | 200.00000000  | mg/L  | 2674265.81288571  | -                | -                   | 13617.40583041  | 0.51            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            |
| Ni 231.604 | Ni            | n     | 10.00000000     | 10.00000000   | mg/L  | 209948.56228222   | -                | -                   | 6199.10150664   | 2.95            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.767813818             |
| P 177.434  | P             | n     |                 |               | mg/L  | 37.23852887       | -                | -                   | 4.67392013      | 12.55           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.9085945616             |
| Pb 220.353 | Pb            | n     | 10.00000000     | 10.00000000   | mg/L  | 67624.64547693    | -                | -                   | 2197.30775054   | 3.25            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.2543140568             |
| S 181.972  | S             | n     |                 |               | mg/L  | 162.31826598      | -                | -                   | 2.82502791      | 1.74            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |
| Sb 206.834 | Sb            | n     | 30.00030000     | 30.00030000   | mg/L  | 74675.41692471    | -                | -                   | 2694.97075517   | 3.61            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            |
| Se 196.026 | Se            | n     | 30.00000000     | 30.00000000   | mg/L  | 91961.76215375    | -                | -                   | 3283.11451652   | 3.57            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.6445148070             |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 1512.56502890     | -                | -                   | 66.31674369     | 4.38            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |
| Sn 189.925 | Sn            | n     | 10.00000000     | 10.00000000   | mg/L  | 92536.73419390    | -                | -                   | 2974.14171053   | 3.21            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.3273967184             |
| Sr 421.552 | Sr-R          | n     | 50.00000000     | 50.00000000   | mg/L  | 27627587.98611250 | -                | -                   | 154634.20302948 | 0.56            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.45237512             |
| Ti 334.941 | Ti            | n     | 10.00000000     | 10.00000000   | mg/L  | 3436421.63237356  | -                | -                   | 168562.48449724 | 4.91            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            |
| Tl 190.794 | Tl            | n     | 30.00030000     | 30.00030000   | mg/L  | 90005.02972634    | -                | -                   | 3077.33736197   | 3.42            | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.0034884426             |
| V 292.401  | V             | n     | 5.00000000      | 5.00000000    | mg/L  | 174151.71680485   | -                | -                   | 5958.36808847   | 3.42            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            |
| Zn 206.200 | Zn            | n     | 30.00030000     | 30.00030000   | mg/L  | 1370802.41484150  | -                | -                   | 55113.51278247  | 4.02            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 780270.80         | 0.01             | 0.78                | 6106.37         | 0.78            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.98            | 0.98          | Ratio | 263239.37         | 0.00             | 0.18                | 470.34          | 0.18            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Label: ICAL,L7,S20134

Rack:Tube: S1:8

Type: STD

Date Time: 3/12/2024 9:12:24 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity       | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Conc Repl |
|------------|---------------|-------|-----------------|---------------|-------|-----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-----------|
| Ag 328.068 | Ag            | n     | 2.00000000      | 2.00000000    | mg/L  | 152262.51490829 | -                | -                   | 6247.45163253 | 4.10            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            | 2.00      |
| Al 396.152 | Al            | n     |                 |               | mg/L  | 1108.23939942   | -                | -                   | 27.42893204   | 2.48            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            |           |
| As 188.980 | As            | n     |                 |               | mg/L  | 44.07933297     | -                | -                   | 1.96936083    | 4.47            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            |           |
| B 249.678  | B             | n     |                 |               | mg/L  | 432.27679880    | -                | -                   | 21.46334726   | 4.97            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            |           |
| Ba 230.424 | Ba            | n     |                 |               | mg/L  | 193.38266029    | -                | -                   | 5.44254281    | 2.81            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            |           |
| Be 313.107 | Be            | n     |                 |               | mg/L  | 165.10695843    | -                | -                   | 39.43148746   | 23.88           | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            |           |
| Ca 317.933 | Ca-R          | n     |                 |               | mg/L  | 2260.57560516   | -                | -                   | 8.09700824    | 0.36            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            |           |
| Cd 214.439 | Cd            | n     |                 |               | mg/L  | 52.78400853     | -                | -                   | 15.51784958   | 29.40           | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            |           |
| Co 230.786 | Co            | n     |                 |               | mg/L  | 286.93925818    | -                | -                   | 6.32992493    | 2.21            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            |           |
| Cr 267.716 | Cr            | n     |                 |               | mg/L  | 348.32435573    | -                | -                   | 6.17107158    | 1.77            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            |           |
| Cu 324.754 | Cu            | n     |                 |               | mg/L  | 573.21816365    | -                | -                   | 14.81962978   | 2.59            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            |           |
| Fe 259.940 | Fe            | n     |                 |               | mg/L  | 280.25614406    | -                | -                   | 37.43325858   | 13.36           | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            |           |
| K 766.491  | K-R           | n     |                 |               | mg/L  | 144.33216889    | -                | -                   | 49.79007475   | 34.50           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886429            |           |
| Li 670.783 | Li-R          | n     |                 |               | mg/L  | 644.03994180    | -                | -                   | 52.97660231   | 8.23            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            |           |
| Mg 279.800 | Mg-R          | n     |                 |               | mg/L  | 61.90868566     | -                | -                   | 7.05245223    | 11.39           | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            |           |
| Mn 257.610 | Mn            | n     |                 |               | mg/L  | 516.05920097    | -                | -                   | 34.87286501   | 6.76            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            |           |
| Mo 204.598 | Mo            | n     |                 |               | mg/L  | 105.80312901    | -                | -                   | 21.66107335   | 20.47           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            |           |
| Na 589.592 | Na-R          | n     |                 |               | mg/L  | 1143.21644467   | -                | -                   | 152.58261830  | 13.35           | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            |           |
| Ni 231.604 | Ni            | n     |                 |               | mg/L  | 83.24655299     | -                | -                   | 0.63951857    | 0.77            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            |           |
| P 177.434  | P             | n     |                 |               | mg/L  | 9.67776642      | -                | -                   | 2.04968864    | 21.18           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            |           |
| Pb 220.353 | Pb            | n     |                 |               | mg/L  | -254.21809688   | -                | -                   | 12.54723174   | 4.94            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            |           |
| S 181.972  | S             | n     |                 |               | mg/L  | 21.43450311     | -                | -                   | 3.46149989    | 16.15           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |           |
| Sb 206.834 | Sb            | n     |                 |               | mg/L  | 24.09725715     | -                | -                   | 6.43389789    | 26.70           | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            |           |
| Se 196.026 | Se            | n     |                 |               | mg/L  | 93.10286119     | -                | -                   | 18.11153952   | 19.45           | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            |           |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 281.23162548    | -                | -                   | 10.87578025   | 3.87            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |           |
| Sn 189.925 | Sn            | n     |                 |               | mg/L  | 51.90540468     | -                | -                   | 7.03070728    | 13.55           | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            |           |
| Sr 421.552 | Sr-R          | n     |                 |               | mg/L  | 211.35163767    | -                | -                   | 22.21609814   | 10.51           | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            |           |
| Ti 334.941 | Ti            | n     |                 |               | mg/L  | 1060.61661285   | -                | -                   | 87.00141318   | 8.20            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            |           |
| Tl 190.794 | Tl            | n     |                 |               | mg/L  | 1.89619687      | -                | -                   | 4.99063479    | > 100.00        | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            |           |
| V 292.401  | V             | n     |                 |               | mg/L  | 12.52568014     | -                | -                   | 9.31289829    | 74.35           | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            |           |
| Zn 206.200 | Zn            | n     |                 |               | mg/L  | 107.22274786    | -                | -                   | 15.99438676   | 14.92           | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            |           |
| Y 371.029  | Y             |       | 0.96            | 0.96          | Ratio | 814567.31       | 0.01             | 1.01                | 8202.93       | 1.01            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.96      |
| Y 371.029  | Y-R           |       | 1.04            | 1.04          | Ratio | 279376.01       | 0.01             | 1.03                | 2880.14       | 1.03            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.04      |

Label: ICAL\_L8\_S19713

Rack/Tube: S1:9

Type: STD

Date Time: 3/12/2024 9:15:31 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity      | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concen Replicates |
|------------|---------------|-------|-----------------|---------------|-------|----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 524.19824037   | -                | -                   | 26.15312760   | 4.99            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |                   |
| Al 396.152 | Al            | n     |                 |               | mg/L  | 1214.38316963  | -                | -                   | 9.83967568    | 0.81            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            |                   |
| As 188.980 | As            | n     |                 |               | mg/L  | 30.38941268    | -                | -                   | 5.13940549    | 16.91           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            |                   |
| B 249.678  | B             | n     |                 |               | mg/L  | 290.09843664   | -                | -                   | 9.13335639    | 3.15            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            |                   |
| Ba 230.424 | Ba            | n     |                 |               | mg/L  | 201.67391311   | -                | -                   | 9.29301607    | 4.61            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            |                   |
| Be 313.107 | Be            | n     |                 |               | mg/L  | 129.40483331   | -                | -                   | 4.07750286    | 3.15            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            |                   |
| Ca 317.933 | Ca-R          | n     |                 |               | mg/L  | 2291.56783640  | -                | -                   | 26.70504379   | 1.17            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            |                   |
| Cd 214.439 | Cd            | n     |                 |               | mg/L  | 43.83794958    | -                | -                   | 8.35434856    | 19.06           | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            |                   |
| Co 230.786 | Co            | n     |                 |               | mg/L  | 269.32734124   | -                | -                   | 17.79632458   | 6.61            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            |                   |
| Cr 267.716 | Cr            | n     |                 |               | mg/L  | 356.38092717   | -                | -                   | 12.47867733   | 3.50            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            |                   |
| Cu 324.754 | Cu            | n     |                 |               | mg/L  | 561.44982090   | -                | -                   | 23.96228491   | 4.27            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            |                   |
| Fe 259.940 | Fe            | n     |                 |               | mg/L  | 476.68039730   | -                | -                   | 13.37746937   | 2.81            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            |                   |
| K 766.491  | K-R           | n     |                 |               | mg/L  | 141.46249376   | -                | -                   | 43.46253258   | 30.72           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.97781886429            |                   |
| Li 670.783 | Li-R          | n     |                 |               | mg/L  | 563.30628207   | -                | -                   | 19.23173068   | 3.41            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            |                   |
| Mg 279.800 | Mg-R          | n     |                 |               | mg/L  | 54.65791510    | -                | -                   | 5.54695625    | 10.15           | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            |                   |
| Mn 257.610 | Mn            | n     |                 |               | mg/L  | 468.96437724   | -                | -                   | 11.00377928   | 2.35            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            |                   |
| Mo 204.598 | Mo            | n     |                 |               | mg/L  | 31.83463752    | -                | -                   | 5.06037757    | 15.90           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            |                   |
| Na 589.592 | Na-R          | n     |                 |               | mg/L  | 1010.19559440  | -                | -                   | 137.26333427  | 13.59           | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            |                   |
| Ni 231.604 | Ni            | n     |                 |               | mg/L  | 85.40688164    | -                | -                   | 7.11334835    | 8.33            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            |                   |
| P 177.434  | P             | n     | 10.00000000     | 10.00000000   | mg/L  | 31412.12437227 | -                | -                   | 792.74620204  | 2.52            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            | 10.00             |
| Pb 220.353 | Pb            | n     |                 |               | mg/L  | -255.65568362  | -                | -                   | 5.37450027    | 2.10            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            |                   |
| S 181.972  | S             | n     | 10.00000000     | 10.00000000   | mg/L  | 19524.32672217 | -                | -                   | 455.50726202  | 2.33            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             | 10.00             |
| Sb 206.834 | Sb            | n     |                 |               | mg/L  | -16.81949808   | -                | -                   | 0.21780572    | 1.29            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            |                   |
| Se 196.026 | Se            | n     |                 |               | mg/L  | 68.59566730    | -                | -                   | 9.09807314    | 13.26           | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            |                   |
| Si 251.611 | Si            | n     | 10.00000000     | 10.00000000   | mg/L  | 83997.64208366 | -                | -                   | 2259.73542387 | 2.69            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.4609605211             | 10.00             |
| Sn 189.925 | Sn            | n     |                 |               | mg/L  | 43.81235732    | -                | -                   | 8.35072437    | 19.06           | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            |                   |
| Sr 421.552 | Sr-R          | n     |                 |               | mg/L  | 91.25571051    | -                | -                   | 33.25052391   | 36.44           | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            |                   |
| Ti 334.941 | Ti            | n     |                 |               | mg/L  | 1018.54173368  | -                | -                   | 107.44029525  | 10.55           | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            |                   |
| Tl 190.794 | Tl            | n     |                 |               | mg/L  | 4.17749117     | -                | -                   | 3.81019589    | 91.21           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            |                   |
| V 292.401  | V             | n     |                 |               | mg/L  | 13.74070717    | -                | -                   | 9.54279952    | 69.45           | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            |                   |
| Zn 206.200 | Zn            | n     |                 |               | mg/L  | 142.98025976   | -                | -                   | 1.61686853    | 1.13            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            |                   |
| Y 371.029  | Y             |       | 0.98            | 0.98          | Ratio | 826773.34      | 0.01             | 1.06                | 8782.62       | 1.06            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.97              |
| Y 371.029  | Y-R           |       | 1.07            | 1.07          | Ratio | 287219.88      | 0.01             | 0.48                | 1392.16       | 0.48            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.07              |

|                                 |                      |                                |
|---------------------------------|----------------------|--------------------------------|
| Label: ICV,S20103               | Rack/Tube: S1:12     | Type: QC                       |
| Date Time: 3/12/2024 9:18:39 AM | Weight: -            | Volume: -                      |
| Dilution: -                     | %RSE limit: -        | Calibration Coefficient [3]: - |
| LIMS ID: -                      | Customer: -          | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -       | Description: -                 |
| Replicates: 3                   | Flags Replicate 1: - | Flags Replicate 2: -           |
| Flags Replicate 3: -            |                      |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.50130639      | 0.50130639    | mg/L  | 38582.91622622   | 0.00892021       | 1.77939187          | 676.62067871   | 1.75            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |
| Al 396.152 | Al            | n     | 1.07913841      | 1.07913841    | mg/L  | 36342.48148598   | 0.02617935       | 2.42594880          | 850.74657752   | 2.34            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            |
| As 188.980 | As            | n     | 1.04063443      | 1.04063443    | mg/L  | 4676.11214490    | 0.02392540       | 2.29911643          | 106.62584188   | 2.28            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            |
| B 249.678  | B             | n     | 1.05822819      | 1.05822819    | mg/L  | 38177.94339531   | 0.01941942       | 1.83508803          | 697.43061412   | 1.83            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            |
| Ba 230.424 | Ba            | n     | 1.00127307      | 1.00127307    | mg/L  | 86223.12408315   | 0.02484833       | 2.48167400          | 2132.44220754  | 2.47            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            |
| Be 313.107 | Be            | n     | 1.06550190      | 1.06550190    | mg/L  | 2408233.50485536 | 0.03355362       | 3.14909046          | 75841.48699788 | 3.15            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            |
| Ca 317.933 | Ca-R          | n     | 48.52998923     | 48.52998923   | mg/L  | 824912.47588945  | 0.45901182       | 0.94583129          | 7780.17943467  | 0.94            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            |
| Cd 214.439 | Cd            | n     | 1.01811014      | 1.01811014    | mg/L  | 167207.27143160  | 0.02122197       | 2.08444783          | 3484.50121968  | 2.08            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            |
| Co 230.786 | Co            | n     | 1.03722606      | 1.03722606    | mg/L  | 38515.75778855   | 0.02416557       | 2.32982684          | 890.52832537   | 2.31            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.118454164             |
| Cr 267.716 | Cr            | n     | 1.01307893      | 1.01307893    | mg/L  | 60313.24620567   | 0.02202565       | 2.17412972          | 1303.29464362  | 2.16            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            |
| Cu 324.754 | Cu            | n     | 1.05942951      | 1.05942951    | mg/L  | 38914.93307154   | 0.02168994       | 2.04732256          | 786.48501419   | 2.02            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            |
| Fe 259.940 | Fe            | n     | 1.02109927      | 1.02109927    | mg/L  | 58121.52650577   | 0.02315134       | 2.26729558          | 1312.43314270  | 2.26            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            |
| K 766.491  | K-R           | n     | 58.64500439     | 58.64500439   | mg/L  | 115543.27633074  | 1.04737739       | 1.78596183          | 2063.31023450  | 1.79            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.9778188642             |
| Li 670.783 | Li-R          | n     | 0.99740627      | 0.99740627    | mg/L  | 134987.04199784  | 0.02002176       | 2.00738269          | 2704.06975927  | 2.00            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            |
| Mg 279.800 | Mg-R          | n     | 49.15335998     | 49.15335998   | mg/L  | 140601.86568238  | 0.34551313       | 0.70292881          | 987.87611304   | 0.70            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.1565085509             |
| Mn 257.610 | Mn            | n     | 1.01701416      | 1.01701416    | mg/L  | 431498.54028306  | 0.02161402       | 2.12524289          | 9159.75163850  | 2.12            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            |
| Mo 204.598 | Mo            | n     | 1.01567320      | 1.01567320    | mg/L  | 7573.82840727    | 0.03502532       | 3.44848308          | 260.93623437   | 3.45            | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            |
| Na 589.592 | Na-R          | n     | 49.42688596     | 49.42688596   | mg/L  | 660864.58449607  | 0.92043040       | 1.86220593          | 12280.39788083 | 1.86            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            |
| Ni 231.604 | Ni            | n     | 1.01852376      | 1.01852376    | mg/L  | 21541.73841902   | 0.01961510       | 1.92583674          | 413.22685608   | 1.92            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.767813818             |
| P 177.434  | P             | n     | 5.26335807      | 5.26335807    | mg/L  | 16539.74710099   | 0.08772699       | 1.66674944          | 275.45473409   | 1.67            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.9085945616             |
| Pb 220.353 | Pb            | n     | 1.02156295      | 1.02156295    | mg/L  | 6731.38929514    | 0.01918444       | 1.87794977          | 131.66768509   | 1.96            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.2543140568             |
| S 181.972  | S             | n     | 5.39668345      | 5.39668345    | mg/L  | 10554.31037055   | 0.07696741       | 1.42619827          | 150.07897722   | 1.42            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |
| Sb 206.834 | Sb            | n     | 0.97931491      | 0.97931491    | mg/L  | 2365.08792648    | 0.03344010       | 3.41464194          | 81.91289131    | 3.46            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            |
| Se 196.026 | Se            | n     | 1.03372795      | 1.03372795    | mg/L  | 3160.78408654    | 0.03811591       | 3.68722812          | 114.06736207   | 3.61            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.6445148070             |
| Si 251.611 | Si            | n     | 5.34726049      | 5.34726049    | mg/L  | 44976.92744510   | 0.12277097       | 2.29596007          | 1029.73668092  | 2.29            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |
| Sn 189.925 | Sn            | n     | 5.13183919      | 5.13183919    | mg/L  | 47238.14130419   | 0.12737229       | 2.48200074          | 1171.35725030  | 2.48            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.3273967184             |
| Sr 421.552 | Sr-R          | n     | 1.02851405      | 1.02851405    | mg/L  | 573235.74864975  | 0.01777877       | 1.72858816          | 9903.99302287  | 1.73            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.45237512             |
| Ti 334.941 | Ti            | n     | 1.05025837      | 1.05025837    | mg/L  | 350649.08128972  | 0.02770961       | 2.63836098          | 9235.62511254  | 2.63            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            |
| Tl 190.794 | Tl            | nQ    | 1.10913202      | 1.10913202    | mg/L  | 3075.55930359    | 0.01979671       | 1.78488313          | 55.09431391    | 1.79            | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.0034884426             |
| V 292.401  | V             | n     | 1.03878691      | 1.03878691    | mg/L  | 35317.40662953   | 0.02331807       | 2.24474002          | 793.12617740   | 2.25            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            |
| Zn 206.200 | Zn            | n     | 1.06250312      | 1.06250312    | mg/L  | 49503.62624424   | 0.02056180       | 1.93522225          | 954.32111944   | 1.93            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            |
| Y 371.029  | Y             |       | 0.94            | 0.94          | Ratio | 790455.59        | 0.01             | 1.05                | 8333.85        | 1.05            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.01            | 1.01          | Ratio | 272520.61        | 0.01             | 1.25                | 3413.48        | 1.25            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674104210012 | File: icp data          |
| Cal: 674104210001    | Time: 12-MAR-2024 09:24 |
|                      | Caldate: 12-MAR-2024    |

| Analyte | Ch | Quant      | IQL      | LOD | Units | Flags |
|---------|----|------------|----------|-----|-------|-------|
| Lead    | A  | [0.001841] | 0.003333 | --- | mg/L  | !ICB  |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 813805 | -3.62  |
| Yttrium             | R  | 268726        | 283612 | 5.54   |

!=warning ICB=instrument blank

|                   |                      |              |      |                              |    |
|-------------------|----------------------|--------------|------|------------------------------|----|
| Label:            | ICB                  | Rack/Tube:   | S1:1 | Type:                        | QC |
| Date Time:        | 3/12/2024 9:24:53 AM | Weight:      | -    | Volume:                      | -  |
| Dilution:         | -                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                    | Customer:    | -    | Customer Ref.:               | -  |
| Sample Date Time: | -                    | Sample Site: | -    | Description:                 | -  |
| Replicates:       | 3                    |              |      |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00053797     | -0.00053797   | mg/L  | 516.52568394  | 0.00022783       | 42.34982524         | 17.28135525  | 3.35            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |
| Al 396.152 | Al            | nu    | -0.00275452     | -0.00275452   | mg/L  | 1039.75104078 | 0.00054280       | 19.70574075         | 17.63922892  | 1.70            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            |
| As 188.980 | As            | nu    | -0.00326288     | -0.00326288   | mg/L  | 23.72840829   | 0.00115694       | 35.45750067         | 5.15600334   | 21.73           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            |
| B 249.678  | B             | nu    | -0.00022300     | -0.00022300   | mg/L  | 160.98015969  | 0.00025939       | 116.31739992        | 9.31581648   | 5.79            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            |
| Ba 230.424 | Ba            | nu    | -0.00109619     | -0.00109619   | mg/L  | 181.94590613  | 0.00005350       | 4.88066388          | 4.59139234   | 2.52            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            |
| Be 313.107 | Be            | n     | 0.00010964      | 0.00010964    | mg/L  | 120.59211952  | 0.00001989       | 18.14153544         | 44.95812940  | 37.28           | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            |
| Ca 317.933 | Ca-R          | nu    | -0.00399125     | -0.00399125   | mg/L  | 2203.86903688 | 0.00116853       | 29.27733238         | 19.80641719  | 0.90            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            |
| Cd 214.439 | Cd            | n     | 0.00007195      | 0.00007195    | mg/L  | 51.58719568   | 0.00004333       | 60.22117817         | 7.11434497   | 13.79           | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            |
| Co 230.786 | Co            | nu    | -0.00057525     | -0.00057525   | mg/L  | 271.29612949  | 0.00027550       | 47.89258821         | 10.15248916  | 3.74            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            |
| Cr 267.716 | Cr            | nu    | -0.00065954     | -0.00065954   | mg/L  | 323.74613262  | 0.00020019       | 30.35274971         | 11.84555722  | 3.66            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            |
| Cu 324.754 | Cu            | n     | 0.00263500      | 0.00263500    | mg/L  | 555.92761063  | 0.00043993       | 16.69568369         | 15.95208938  | 2.87            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            |
| Fe 259.940 | Fe            | nu    | -0.00147805     | -0.00147805   | mg/L  | 68.20151658   | 0.00004091       | 2.76776982          | 2.31909670   | 3.40            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            |
| K 766.491  | K-R           | n     | 0.06313001      | 0.06313001    | mg/L  | 127.19475622  | 0.02206822       | 34.95678577         | 43.47390960  | 34.18           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 283186076277093             | 1969.97781886429            |
| Li 670.783 | Li-R          | n     | 0.00330447      | 0.00330447    | mg/L  | 712.90611755  | 0.00044637       | 13.50797256         | 60.28475048  | 8.46            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            |
| Mg 279.800 | Mg-R          | nu    | -0.00744590     | -0.00744590   | mg/L  | 41.43185235   | 0.00281287       | 37.77740937         | 8.04242970   | 19.41           | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            |
| Mn 257.610 | Mn            | nu    | -0.00011668     | -0.00011668   | mg/L  | 387.43804974  | 0.00003444       | 29.51703638         | 14.59534945  | 3.77            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            |
| Mo 204.598 | Mo            | n     | 0.00049748      | 0.00049748    | mg/L  | 9.20140382    | 0.00043865       | 88.17411467         | 3.26792881   | 35.52           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            |
| Na 589.592 | Na-R          | nu    | -0.02679099     | -0.02679099   | mg/L  | 974.61010814  | 0.00369447       | 13.78997755         | 49.29169969  | 5.06            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            |
| Ni 231.604 | Ni            | n     | 0.00023993      | 0.00023993    | mg/L  | 80.91748806   | 0.00023634       | 98.50211966         | 4.97889086   | 6.15            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            |
| P 177.434  | P             | nu    | -0.00180467     | -0.00180467   | mg/L  | 7.37182324    | 0.00193134       | 107.01893468        | 6.06423830   | 82.26           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            |
| Pb 220.353 | Pb            | n     | 0.00184136      | 0.00184136    | mg/L  | -265.46730614 | 0.00163369       | 88.72146992         | 11.21240154  | 4.22            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            |
| S 181.972  | S             | nu    | -0.00420857     | -0.00420857   | mg/L  | 17.08921879   | 0.00141432       | 33.60576978         | 2.75778959   | 16.14           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |
| Sb 206.834 | Sb            | nu    | 0.00052922      | 0.00052922    | mg/L  | -33.12183200  | 0.00074999       | 141.71616208        | 1.83712446   | 5.55            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            |
| Se 196.026 | Se            | nu    | -0.00039013     | -0.00039013   | mg/L  | 64.43512815   | 0.00182430       | 467.61074079        | 5.45948273   | 8.47            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            |
| Si 251.611 | Si            | nu    | -0.00245443     | -0.00245443   | mg/L  | 102.44518196  | 0.00168158       | 68.51213241         | 14.10422218  | 13.77           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |
| Sn 189.925 | Sn            | nu    | -0.00026649     | -0.00026649   | mg/L  | 40.50532397   | 0.00058286       | 218.71471785        | 5.36019559   | 13.23           | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            |
| Sr 421.552 | Sr-R          | n     | 0.00007550      | 0.00007550    | mg/L  | 30.17143901   | 0.00001491       | 19.74818100         | 8.30565926   | 27.53           | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            |
| Ti 334.941 | Ti            | nu    | -0.00005594     | -0.00005594   | mg/L  | 569.20711654  | 0.00006617       | 118.28244064        | 22.05405427  | 3.87            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            |
| Tl 190.794 | Tl            | n     | 0.00573270      | 0.00573270    | mg/L  | 5.27277806    | 0.00116696       | 20.35621822         | 3.24765831   | 61.59           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            |
| V 292.401  | V             | nu    | 0.00017316      | 0.00017316    | mg/L  | 7.92753602    | 0.00045375       | 262.04851032        | 15.43366007  | > 100.00        | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            |
| Zn 206.200 | Zn            | nu    | -0.00002128     | -0.00002128   | mg/L  | 127.28958690  | 0.00005719       | 268.79758926        | 2.65450819   | 2.09            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            |
| Y 371.029  | Y             |       | 0.96            | 0.96          | Ratio | 813804.54     | 0.01             | 0.82                | 6645.71      | 0.82            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.06            | 1.06          | Ratio | 283611.75     | 0.01             | 0.58                | 1642.98      | 0.58            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504073 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | File: icp data       | IDF: 1.0                |
| Seqnum: 674104210014 | Caldate: 12-MAR-2024 | Time: 12-MAR-2024 09:31 |
| Cal: 674104210001    |                      |                         |

Standards: S20136

| Analyte | Ch | Quant    | IQL      | Units | Flags  |
|---------|----|----------|----------|-------|--------|
| Lead    | A  | 0.009003 | 0.003333 | mg/L  | a+ *** |

| Interferent        | Ch | Spiked | Quant | Units | %Rec | Flags |
|--------------------|----|--------|-------|-------|------|-------|
| Aluminum           | A  | 400.0  | 400.3 | mg/L  | 100  |       |
| Aluminum as Al2O3  | A  | 755.8  | 756.3 | mg/L  | 100  |       |
| Iron               | A  | 160.0  | 143.3 | mg/L  | 90   |       |
| Iron as Fe2O3      | A  | 228.8  | 204.9 | mg/L  | 90   |       |
| Calcium            | R  | 400.0  | 373.9 | mg/L  | 93   |       |
| Calcium as CaCO3   | R  | 998.9  | 933.6 | mg/L  | 93   |       |
| Magnesium          | R  | 400.0  | 394.9 | mg/L  | 99   |       |
| Magnesium as MgCO3 | R  | 1388   | 1370  | mg/L  | 99   |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 736622 | -12.76 |
| Yttrium             | R  | 268726        | 254485 | -5.30  |

+ = high bias a = ICSA



|                   |                      |              |       |                              |    |
|-------------------|----------------------|--------------|-------|------------------------------|----|
| Label:            | ICSA,S20136          | Rack/Tube:   | S1:14 | Type:                        | QC |
| Date Time:        | 3/12/2024 9:31:09 AM | Weight:      | -     | Volume:                      | -  |
| Dilution:         | -                    | %RSE limit:  | -     | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                    | Customer:    | -     | Customer Ref.:               | -  |
| Sample Date Time: | -                    | Sample Site: | -     | Description:                 | -  |
| Replicates:       | 3                    |              |       |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00036826     | -0.00036826   | mg/L  | 531.63889281      | 0.00049202       | 133.60600819        | 37.32066889     | 7.02            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.59                    |
| Al 396.152 | Al            | no    | 400.29214970    | 400.29214970  | mg/L  | 13010971.58018260 | 10.32257038      | 2.57875913          | 335451.14803970 | 2.58            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.86                    |
| As 188.980 | As            | nu    | -0.00048648     | -0.00048648   | mg/L  | 54.73619991       | 0.00244881       | 503.37057484        | 10.91336389     | 19.94           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.596                    |
| B 249.678  | B             | nu    | -0.00076284     | -0.00076284   | mg/L  | 110.71473183      | 0.00034297       | 44.95945670         | 12.31739936     | 11.13           | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.06                    |
| Ba 230.424 | Ba            | n     | 0.00136324      | 0.00136324    | mg/L  | 737.30159862      | 0.00016886       | 12.38677667         | 14.49143795     | 1.97            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.31                    |
| Be 313.107 | Be            | n     | 0.00011998      | 0.00011998    | mg/L  | 119.78178751      | 0.00001308       | 10.90418890         | 29.57197888     | 24.69           | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.                    |
| Ca 317.933 | Ca-R          | no    | 373.85153312    | 373.85153312  | mg/L  | 6342581.25676834  | 0.49920940       | 0.13353146          | 8461.52222623   | 0.13            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.84                    |
| Cd 214.439 | Cd            | n     | 0.00067937      | 0.00067937    | mg/L  | 486.20582963      | 0.00005000       | 7.36036740          | 8.21038057      | 1.69            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.0                    |
| Co 230.786 | Co            | nu    | -0.00150838     | -0.00150838   | mg/L  | 372.39894342      | 0.00042396       | 28.10678584         | 15.62328603     | 4.20            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 85818.11                    |
| Cr 267.716 | Cr            | nu    | -0.00060970     | -0.00060970   | mg/L  | 430.03142255      | 0.00019658       | 32.24266001         | 11.63208824     | 2.70            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.67                    |
| Cu 324.754 | Cu            | nKu   | -0.00727014     | -0.00727014   | mg/L  | 495.57985963      | 0.00013673       | 1.88071286          | 4.95789354      | 1.00            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.36                    |
| Fe 259.940 | Fe            | no    | 143.34473480    | 143.34473480  | mg/L  | 8127166.49031048  | 4.00180007       | 2.79173147          | 226859.23740005 | 2.79            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.29                    |
| K 766.491  | K-R           | nu    | -0.01291179     | -0.01291179   | mg/L  | 70.61514900       | 0.03775700       | 292.42259077        | 74.38045750     | 43.60           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.977                    |
| Li 670.783 | Li-R          | nK    | 0.00449944      | 0.00449944    | mg/L  | 1016.87336023     | 0.00011671       | 2.59386369          | 15.76235845     | 1.55            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.5                    |
| Mg 279.800 | Mg-R          | no    | 394.88103474    | 394.88103474  | mg/L  | 1129348.56760454  | 0.75632887       | 0.19153335          | 2162.46260011   | 0.19            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.156                    |
| Mn 257.610 | Mn            | n     | 0.00046152      | 0.00046152    | mg/L  | 1689.56574862     | 0.00004128       | 8.94445096          | 17.49404511     | 1.04            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.4                    |
| Mo 204.598 | Mo            | nu    | -0.00053175     | -0.00053175   | mg/L  | 56.61014185       | 0.00159394       | 299.75601753        | 11.87473248     | 20.98           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.931                    |
| Na 589.592 | Na-R          | n     | 0.03975263      | 0.03975263    | mg/L  | 2289.86566056     | 0.00492985       | 12.40132470         | 65.77417127     | 2.87            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.01                    |
| Ni 231.604 | Ni            | nKu   | -0.00573471     | -0.00573471   | mg/L  | 79.55663045       | 0.00021162       | 3.69021843          | 4.45821595      | 5.60            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.76                    |
| P 177.434  | P             | nu    | -0.00094169     | -0.00094169   | mg/L  | 19.44491458       | 0.00155551       | 165.18295649        | 4.88415691      | 25.12           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.906                    |
| Pb 220.353 | Pb            | nK    | 0.00900311      | 0.00900311    | mg/L  | -1090.65271692    | 0.00318700       | 35.39890533         | 21.87321991     | 2.01            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.254                    |
| S 181.972  | S             | n     | 0.05741519      | 0.05741519    | mg/L  | 207.54452419      | 0.00122966       | 2.14169834          | 2.39771797      | 1.16            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.903                    |
| Sb 206.834 | Sb            | n     | 0.00205225      | 0.00205225    | mg/L  | -20.52398342      | 0.00138172       | 67.32705042         | 3.38457115      | 16.49           | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.541                    |
| Se 196.026 | Se            | nu    | 0.00268028      | 0.00268028    | mg/L  | 90.60670111       | 0.00289866       | 108.14755957        | 8.67464826      | 9.57            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.644                    |
| Si 251.611 | Si            | nu    | -0.00293102     | -0.00293102   | mg/L  | 150.78620288      | 0.00147284       | 50.25008678         | 12.35340482     | 8.19            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.460                    |
| Sn 189.925 | Sn            | nu    | 0.00001680      | 0.00001680    | mg/L  | 61.53906326       | 0.00101256       | 6027.37058294       | 9.31182231      | 15.13           | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.327                    |
| Sr 421.552 | Sr-R          | nu    | -0.00158953     | -0.00158953   | mg/L  | 1495.67564812     | 0.00001780       | 1.11969412          | 9.91463521      | 0.66            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.4                    |
| Ti 334.941 | Ti            | nu    | -0.00044223     | -0.00044223   | mg/L  | 647.80568199      | 0.00027992       | 63.29736029         | 93.29754590     | 14.40           | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.4                    |
| Tl 190.794 | Tl            | n     | 0.00776212      | 0.00776212    | mg/L  | 3.29341225        | 0.00076810       | 9.89553075          | 2.13763343      | 64.91           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.003                    |
| V 292.401  | V             | nKu   | -0.00200531     | -0.00200531   | mg/L  | -292.58461616     | 0.00014079       | 7.02061310          | 4.78858114      | 1.64            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.37                    |
| Zn 206.200 | Zn            | nKu   | -0.05240870     | -0.05240870   | mg/L  | 124.80924831      | 0.00002520       | 0.04808465          | 1.16961607      | 0.94            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.34                    |
| Y 371.029  | Y             |       | 0.87            | 0.87          | Ratio | 736621.92         | 0.01             | 0.93                | 6838.11         | 0.93            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.95            | 0.95          | Ratio | 254484.50         | 0.00             | 0.25                | 624.10          | 0.25            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674104210015 | File: icp data          |
| Cal: 674104210001    | Time: 12-MAR-2024 09:34 |
| Caldate: 12-MAR-2024 |                         |

Standards: S20133

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.055 | mg/L  | 6  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 736304 | -12.80 |
| Yttrium             | R  | 268726        | 253876 | -5.53  |

Label: ICSAB,S20133

Rack:Tube: S1:15

Type: QC

Date Time: 3/12/2024 9:34:17 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref: -

Sample Date

Sample Site: -

Description: -

Replicates: 3

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coe |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------|
| Ag 328.068 | Ag            | n     | 1.11418646      | 1.11418646    | mg/L  | 85073.64997833    | 0.03605504       | 3.23599710          | 2734.86831708   | 3.21            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.591       |
| Al 396.152 | Al            | no    | 415.16347163    | 415.16347163  | mg/L  | 13494326.55869300 | 12.38020200      | 2.98200657          | 402317.71965054 | 2.98            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.862       |
| As 188.980 | As            | nu    | -0.00354829     | -0.00354829   | mg/L  | 42.06788222       | 0.00177938       | 50.14752119         | 7.92997932      | 18.85           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.5965       |
| B 249.678  | B             | nu    | -0.00080077     | -0.00080077   | mg/L  | 107.82879023      | 0.00040436       | 50.49605096         | 14.52209151     | 13.47           | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.082       |
| Ba 230.424 | Ba            | n     | 0.52585276      | 0.52585276    | mg/L  | 45766.44110086    | 0.01874981       | 3.56560085          | 1609.07722597   | 3.52            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.318       |
| Be 313.107 | Be            | n     | 0.55960308      | 0.55960308    | mg/L  | 1264722.21192152  | 0.01803371       | 3.22258963          | 40761.72692616  | 3.22            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.2       |
| Ca 317.933 | Ca-R          | no    | 392.65226469    | 392.65226469  | mg/L  | 6661442.57239597  | 2.94554293       | 0.75016578          | 49926.49738769  | 0.75            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.845       |
| Cd 214.439 | Cd            | n     | 1.02753950      | 1.02753950    | mg/L  | 169106.91537831   | 0.03132959       | 3.04899149          | 5144.10197039   | 3.04            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.07       |
| Co 230.786 | Co            | n     | 0.51517370      | 0.51517370    | mg/L  | 19419.73071531    | 0.01550358       | 3.00938806          | 571.32411077    | 2.94            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.118       |
| Cr 267.716 | Cr            | n     | 0.52647701      | 0.52647701    | mg/L  | 31624.08391850    | 0.01554438       | 2.95252745          | 919.78692364    | 2.91            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.676       |
| Cu 324.754 | Cu            | n     | 0.59026467      | 0.59026467    | mg/L  | 22178.14044469    | 0.01856023       | 3.14439104          | 673.00060460    | 3.03            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.360       |
| Fe 259.940 | Fe            | no    | 149.18768789    | 149.18768789  | mg/L  | 8458446.99407577  | 3.86269133       | 2.58914887          | 218973.26054125 | 2.59            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.298       |
| K 766.491  | K-R           | no    | -0.03223026     | -0.03223026   | mg/L  | 142.74925155      | 0.01410314       | 43.75746424         | 27.78288166     | 19.46           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 23.8186076277093            | 1969.9778       |
| Li 670.783 | Li-R          | n     | 0.00471622      | 0.00471622    | mg/L  | 1053.38314900     | 0.00063156       | 13.39122207         | 85.29623781     | 8.10            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.54       |
| Mg 279.800 | Mg-R          | no    | 415.36312345    | 415.36312345  | mg/L  | 1187923.47424676  | 1.68055257       | 0.40459840          | 4804.96280904   | 0.40            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.1565       |
| Mn 257.610 | Mn            | n     | 0.52138223      | 0.52138223    | mg/L  | 222504.35439412   | 0.01518278       | 2.91202573          | 6434.27407465   | 2.89            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.48       |
| Mo 204.598 | Mo            | nu    | -0.00382717     | -0.00382717   | mg/L  | 34.98094668       | 0.00106566       | 27.84465681         | 7.93910499      | 22.70           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.9318       |
| Na 589.592 | Na-R          | n     | 0.26092391      | 0.26092391    | mg/L  | 5263.29246336     | 0.00773936       | 2.96613809          | 103.25871732    | 1.96            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.016       |
| Ni 231.604 | Ni            | n     | 1.01450476      | 1.01450476    | mg/L  | 21579.24368100    | 0.02979387       | 2.93678967          | 627.66056332    | 2.91            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.767       |
| P 177.434  | P             | nu    | -0.00274026     | -0.00274026   | mg/L  | 14.28379476       | 0.00053616       | 19.56616674         | 1.68350738      | 11.79           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.9085       |
| Pb 220.353 | Pb            | n     | 1.05512430      | 1.05512430    | mg/L  | 6042.03354107     | 0.02922804       | 2.77010413          | 200.59948345    | 3.32            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.2543       |
| S 181.972  | S             | n     | 0.06363946      | 0.06363946    | mg/L  | 223.38418942      | 0.00344962       | 5.42056536          | 6.72642125      | 3.01            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030       |
| Sb 206.834 | Sb            | n     | 0.00734578      | 0.00734578    | mg/L  | -7.13272594       | 0.00173236       | 23.58305238         | 4.24348423      | 59.49           | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.5410       |
| Se 196.026 | Se            | n     | 0.00380159      | 0.00380159    | mg/L  | 94.91498733       | 0.00321547       | 84.58243729         | 9.62277020      | 10.14           | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.6445       |
| Si 251.611 | Si            | nu    | -0.00606291     | -0.00606291   | mg/L  | 127.31107902      | 0.00153109       | 25.25341411         | 12.84197125     | 10.09           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.4609       |
| Sn 189.925 | Sn            | nu    | -0.00035511     | -0.00035511   | mg/L  | 59.10146855       | 0.00075596       | 212.88051392        | 6.95202471      | 11.76           | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.3273       |
| Sr 421.552 | Sr-R          | nu    | -0.00170940     | -0.00170940   | mg/L  | 1554.26124078     | 0.00003355       | 1.96239534          | 18.68693627     | 1.20            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.45       |
| Ti 334.941 | Ti            | nu    | -0.00059763     | -0.00059763   | mg/L  | 606.99556562      | 0.00033195       | 55.54452069         | 110.63909853    | 18.23           | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.47       |
| Tl 190.794 | Tl            | n     | 0.01079404      | 0.01079404    | mg/L  | 11.33040457       | 0.00073614       | 6.81985101          | 2.04867298      | 18.08           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.0034       |
| V 292.401  | V             | n     | 0.54325889      | 0.54325889    | mg/L  | 18241.87632052    | 0.01724271       | 3.17393935          | 586.48273333    | 3.22            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.378       |
| Zn 206.200 | Zn            | n     | 1.00955698      | 1.00955698    | mg/L  | 49539.08278301    | 0.03250669       | 3.21989646          | 1508.71155025   | 3.05            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.340       |
| Y 371.029  | Y             |       | 0.87            | 0.87          | Ratio | 736303.89         | 0.01             | 0.91                | 6737.09         | 0.91            |             | -                 | -               | -                       | Fitted                | -                           | -               |
| Y 371.029  | Y-R           |       | 0.94            | 0.94          | Ratio | 253875.68         | 0.00             | 0.51                | 1287.59         | 0.51            |             | -                 | -               | -                       | Fitted                | -                           | -               |

ENTHALPY CONTINUING CALIBRATION FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674104210025 | File: icp data          |
| Cal: 674104210001    | Time: 12-MAR-2024 10:05 |
| Caldate: 12-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -12343         | 6584.3    | 1.000  | 1.000 | mg/L  | 0  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 778554 | -7.80  |
| Yttrium             | R  | 268726        | 268760 | 0.01   |

Label: CCV.S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/12/2024 10:05:29 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.49219150      | 0.49219150    | mg/L  | 37891.53007437   | 0.01998134       | 4.05966854          | 1515.63668038  | 4.00            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |
| Al 396.152 | Al            | n     | 1.05480287      | 1.05480287    | mg/L  | 35555.59661299   | 0.04306705       | 4.08294814          | 1399.54412565  | 3.94            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            |
| As 188.980 | As            | n     | 1.02775120      | 1.02775120    | mg/L  | 4618.70053880    | 0.04209828       | 4.09615514          | 187.61506332   | 4.06            | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            |
| B 249.678  | B             | n     | 1.04999620      | 1.04999620    | mg/L  | 37882.39986321   | 0.05014914       | 4.77612631          | 1801.06053444  | 4.75            | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            |
| Ba 230.424 | Ba            | n     | 0.97812869      | 0.97812869    | mg/L  | 84237.48956301   | 0.04041866       | 4.13224390          | 3468.66172454  | 4.12            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            |
| Be 313.107 | Be            | n     | 1.05446260      | 1.05446260    | mg/L  | 2383281.27029767 | 0.03926258       | 3.72346808          | 88745.48991808 | 3.72            | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            |
| Ca 317.933 | Ca-R          | n     | 49.97298844     | 49.97298844   | mg/L  | 849373.05852565  | 0.21190782       | 0.42404473          | 3591.80485525  | 0.42            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            |
| Cd 214.439 | Cd            | n     | 0.99947172      | 0.99947172    | mg/L  | 164146.99760340  | 0.03808106       | 3.81011839          | 6252.64555878  | 3.81            | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            |
| Co 230.786 | Co            | n     | 1.01576189      | 1.01576189    | mg/L  | 37724.78717025   | 0.03689856       | 3.63259947          | 1359.75324836  | 3.60            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.118454164             |
| Cr 267.716 | Cr            | n     | 0.99111929      | 0.99111929    | mg/L  | 59013.99410247   | 0.03596949       | 3.62917842          | 2128.37488868  | 3.61            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            |
| Cu 324.754 | Cu            | n     | 1.03776913      | 1.03776913    | mg/L  | 38130.72572879   | 0.03863378       | 3.72277197          | 1400.87470817  | 3.67            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            |
| Fe 259.940 | Fe            | n     | 0.99925733      | 0.99925733    | mg/L  | 56885.75603484   | 0.03757626       | 3.76041831          | 2130.17156373  | 3.74            | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698986            |
| K 766.491  | K-R           | n     | 60.06618653     | 60.06618653   | mg/L  | 118343.29145137  | 0.33208286       | 0.55286156          | 654.19586140   | 0.55            | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 2.83186076277093            | 1969.9778188642             |
| Li 670.783 | Li-R          | n     | 1.02064611      | 1.02064611    | mg/L  | 138126.21170443  | 0.00691133       | 0.67715242          | 933.42030488   | 0.68            | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            |
| Mg 279.800 | Mg-R          | n     | 50.64571391     | 50.64571391   | mg/L  | 144868.79532646  | 0.17185441       | 0.33932666          | 491.35864778   | 0.34            | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.1565085509             |
| Mn 257.610 | Mn            | n     | 0.99414440      | 0.99414440    | mg/L  | 421808.48108591  | 0.03771812       | 3.79402879          | 15984.46916349 | 3.79            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            |
| Mo 204.598 | Mo            | n     | 0.99826667      | 0.99826667    | mg/L  | 7444.20116747    | 0.05250632       | 5.25974882          | 391.16849836   | 5.25            | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            |
| Na 589.592 | Na-R          | n     | 50.62683534     | 50.62683534   | mg/L  | 676876.56890667  | 0.26715794       | 0.52770026          | 3564.42576643  | 0.53            | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            |
| Ni 231.604 | Ni            | n     | 0.99493375      | 0.99493375    | mg/L  | 21045.03593030   | 0.03623424       | 3.64187479          | 763.33835137   | 3.63            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.767813818             |
| P 177.434  | P             | n     | 5.17943228      | 5.17943228    | mg/L  | 16276.23312539   | 0.18403963       | 3.55327811          | 577.86762786   | 3.55            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.9085945616             |
| Pb 220.353 | Pb            | n     | 1.00014121      | 1.00014121    | mg/L  | 6584.31153128    | 0.03972020       | 3.97145938          | 272.60984759   | 4.14            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.2543140568             |
| S 181.972  | S             | n     | 5.35840785      | 5.35840785    | mg/L  | 10479.84067484   | 0.18831548       | 3.51439251          | 367.19693137   | 3.50            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |
| Sb 206.834 | Sb            | n     | 0.96477464      | 0.96477464    | mg/L  | 2329.48885016    | 0.05172066       | 5.36090598          | 126.69188191   | 5.44            | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            |
| Se 196.026 | Se            | n     | 1.01884451      | 1.01884451    | mg/L  | 3116.29012764    | 0.05886229       | 5.77735786          | 176.15391871   | 5.65            | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.6445148070             |
| Si 251.611 | Si            | n     | 5.24026950      | 5.24026950    | mg/L  | 44079.65843418   | 0.26206884       | 5.00105646          | 2198.09213596  | 4.99            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |
| Sn 189.925 | Sn            | n     | 5.02416976      | 5.02416976    | mg/L  | 46248.00864726   | 0.18854755       | 3.75281005          | 1733.94497998  | 3.75            | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.3273967184             |
| Sr 421.552 | Sr-R          | n     | 1.04897301      | 1.04897301    | mg/L  | 584640.49768477  | 0.00681139       | 0.64933850          | 3794.40804132  | 0.65            | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.45237512             |
| Ti 334.941 | Ti            | n     | 1.02551567      | 1.02551567    | mg/L  | 342402.59991652  | 0.04506274       | 4.39415390          | 15019.43142627 | 4.39            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            |
| Tl 190.794 | Tl            | n     | 1.08166805      | 1.08166805    | mg/L  | 2999.11334340    | 0.04180683       | 3.86503321          | 116.34855215   | 3.88            | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.0034884426             |
| V 292.401  | V             | n     | 1.01620771      | 1.01620771    | mg/L  | 34548.95474920   | 0.03987100       | 3.92350916          | 1356.14749017  | 3.93            | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            |
| Zn 206.200 | Zn            | n     | 1.04184180      | 1.04184180    | mg/L  | 48546.42810638   | 0.03913513       | 3.75634056          | 1816.35282381  | 3.74            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            |
| Y 371.029  | Y             | 0.92  | 0.92            | 0.92          | Ratio | 778553.87        | 0.01             | 0.68                | 5275.46        | 0.68            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | 1.00  | 1.00            | 1.00          | Ratio | 268759.71        | 0.01             | 0.85                | 2271.77        | 0.85            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504073 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674104210026 | File: icp data          |
| Cal: 674104210001    | Time: 12-MAR-2024 10:08 |
| Caldate: 12-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 844392        | 803918 | -4.79  |
| Yttrium             | R  | 268726        | 279667 | 4.07   |

|                                  |                 |                                |
|----------------------------------|-----------------|--------------------------------|
| Label: CCB                       | Rack/Tube: S1:1 | Type: QC                       |
| Date Time: 3/12/2024 10:08:36 AM | Weight: -       | Volume: -                      |
| Dilution: -                      | %RSE limit: -   | Calibration Coefficient [3]: - |
| LIMS ID: -                       | Customer: -     | Customer Ref.: -               |
| Sample Date Time: -              | Sample Site: -  | Description: -                 |
| Replicates: 3                    |                 |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00048662     | -0.00048662   | mg/L  | 520.42029693  | 0.00010636       | 21.85593640         | 8.06737202   | 1.55            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 557.332325849658            | 75852.5912912202            |
| Al 396.152 | Al            | nu    | -0.00215667     | -0.00215667   | mg/L  | 1059.18163725 | 0.00106408       | 49.33871948         | 34.57911839  | 3.26            | 28.33803437 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 1129.28034508354            | 32496.8622940062            |
| As 188.980 | As            | nu    | -0.00270902     | -0.00270902   | mg/L  | 26.19672596   | 0.00082860       | 30.58675806         | 3.69274685   | 14.10           | 18.20713499 | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 38.2699164119101            | 4456.59650574914            |
| B 249.678  | B             | nu    | 0.00024841      | 0.00024841    | mg/L  | 177.91073693  | 0.00050093       | 201.64959630        | 17.99033756  | 10.11           | 3.35204763  | Y (371.029 nm)    | Linear          | 0.99987                 | Fitted                | 168.98997742119             | 35914.0828351092            |
| Ba 230.424 | Ba            | nu    | -0.00121787     | -0.00121787   | mg/L  | 171.50310180  | 0.00004169       | 3.42299342          | 3.57755011   | 2.09            | 2.94237711  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 276.023052226754            | 85818.3189295691            |
| Be 313.107 | Be            | n     | 0.00010636      | 0.00010636    | mg/L  | 113.17617606  | 0.00000510       | 4.79424701          | 11.52550430  | 10.18           | 4.74615162  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -127.226655126486           | 2260307.23525371            |
| Ca 317.933 | Ca-R          | nu    | -0.00393591     | -0.00393591   | mg/L  | 2204.79704739 | 0.00132693       | 33.71345760         | 22.49125780  | 1.02            | 2.12105748  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2271.57394467295            | 16949.8454242147            |
| Cd 214.439 | Cd            | nu    | 0.00002600      | 0.00002600    | mg/L  | 44.04255643   | 0.00005961       | 229.25992720        | 9.78787370   | 22.22           | 3.05140504  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 39.7740968364003            | 164193.071982209            |
| Co 230.786 | Co            | nu    | -0.00056290     | -0.00056290   | mg/L  | 271.75109459  | 0.00023510       | 41.76542362         | 8.66357323   | 3.19            | 1.33474572  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 292.494737711691            | 36851.1184541649            |
| Cr 267.716 | Cr            | nu    | -0.00070006     | -0.00070006   | mg/L  | 321.34857099  | 0.00014136       | 20.19214636         | 8.36435496   | 2.60            | 3.59799049  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 362.773573720632            | 59171.6766656606            |
| Cu 324.754 | Cu            | nZ    | 0.00346720      | 0.00346720    | mg/L  | 586.10293693  | 0.00020680       | 5.96432875          | 7.49847666   | 1.28            | 18.65623958 | Y (371.029 nm)    | Linear          | 0.99972                 | Fitted                | 460.380582818085            | 36260.3600193451            |
| Fe 259.940 | Fe            | nu    | -0.00117054     | -0.00117054   | mg/L  | 85.63320060   | 0.00035565       | 30.38338908         | 20.16159961  | 23.54           | 2.54185317  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 151.998734633151            | 56689.2981698989            |
| K 766.491  | K-R           | n     | 0.06854004      | 0.06854004    | mg/L  | 137.85223649  | 0.01675077       | 4.43938693          | 32.99863775  | 23.94           | 18.32766062 | Y-R (371.029 nm)  | Linear          | 0.99994                 | Fitted                | 32.186076277093             | 1969.97781886429            |
| Li 670.783 | Li-R          | nZ    | 0.00379419      | 0.00379419    | mg/L  | 779.04533594  | 0.00118173       | 31.14570844         | 159.59984710 | 20.49           | 5.18076706  | Y-R (371.029 nm)  | Linear          | 0.99992                 | FACT                  | 266.611651436862            | 135056.540868532            |
| Mg 279.800 | Mg-R          | nu    | -0.00287440     | -0.00287440   | mg/L  | 54.50237474   | 0.00413328       | 143.79630993        | 11.81768542  | 21.68           | 3.11983066  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 62.7209316451722            | 2859.15650855093            |
| Mn 257.610 | Mn            | nu    | -0.00015146     | -0.00015146   | mg/L  | 372.69906148  | 0.00004429       | 29.23990224         | 18.76789037  | 5.04            | 1.97060596  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 436.888068538008            | 423787.483602996            |
| Mo 204.598 | Mo            | n     | 0.00256016      | 0.00256016    | mg/L  | 24.56810296   | 0.00066904       | 26.13260394         | 4.98428377   | 20.29           | 8.84393685  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 5.49569882286717            | 7449.93180475232            |
| Na 589.592 | Na-R          | nu    | -0.03345896     | -0.03345896   | mg/L  | 885.64660493  | 0.00720848       | 21.54424654         | 96.17566558  | 10.86           | 14.18089510 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1332.06042336324            | 13342.0167986091            |
| Ni 231.604 | Ni            | nu    | -0.00000539     | -0.00000539   | mg/L  | 75.74913580   | 0.00002005       | 371.75778185        | 0.42245293   | 0.56            | 4.68051386  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 75.8634547816661            | 21066.7678138188            |
| P 177.434  | P             | nu    | -0.00254475     | -0.00254475   | mg/L  | 5.04806430    | 0.00029187       | 11.46956734         | 0.91645063   | 18.15           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 13.0384266568064            | 3139.90859456168            |
| Pb 220.353 | Pb            | nu    | 0.00059938      | 0.00059938    | mg/L  | -273.98841824 | 0.00145513       | 242.771136350       | 9.98694400   | 3.65            | 7.61620421  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Right        | -278.121847263738           | 6863.25431405689            |
| S 181.972  | S             | nu    | -0.00252738     | -0.00252738   | mg/L  | 20.36743163   | 0.00319643       | 126.47230199        | 6.23273631   | 30.60           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 25.2965043887436            | 1949.9030217784             |
| Sb 206.834 | Sb            | n     | 0.00494627      | 0.00494627    | mg/L  | -22.30202897  | 0.00222771       | 45.03821976         | 5.45687228   | 24.47           | 4.21663967  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -34.4184662230737           | 2449.54103130051            |
| Se 196.026 | Se            | nu    | 0.00175619      | 0.00175619    | mg/L  | 70.85822395   | 0.00373291       | 212.55728018        | 11.17127036  | 15.77           | 3.25498869  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 65.6032880148303            | 2992.64451480708            |
| Si 251.611 | Si            | nu    | -0.00372189     | -0.00372189   | mg/L  | 91.81437639   | 0.00177006       | 47.55808085         | 14.84629860  | 16.17           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 123.032423140053            | 8387.46096605211            |
| Sn 189.925 | Sn            | nu    | 0.00023986      | 0.00023986    | mg/L  | 45.16190317   | 0.00127854       | 533.03645957        | 11.75785473  | 26.03           | 5.05456743  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 42.956416417063             | 9196.32739671849            |
| Sr 421.552 | Sr-R          | n     | 0.00006529      | 0.00006529    | mg/L  | 24.49401423   | 0.00002817       | 43.14114757         | 15.69111295  | 64.06           | 2.03515233  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -11.8380143834675           | 557068.452375125            |
| Ti 334.941 | Ti            | n     | 0.00018652      | 0.00018652    | mg/L  | 650.01854497  | 0.00009234       | 49.50705444         | 30.77677128  | 4.73            | 2.65273440  | Y (371.029 nm)    | Linear          | 0.99989                 | Fitted                | 587.854839413617            | 333300.471287324            |
| Tl 190.794 | Tl            | n     | 0.00492814      | 0.00492814    | mg/L  | 3.03367101    | 0.00043579       | 8.84291419          | 1.21280777   | 39.98           | 15.56964034 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -10.6814178665503           | 2783.00348844268            |
| V 292.401  | V             | nu    | 0.00003263      | 0.00003263    | mg/L  | 3.14747726    | 0.00041116       | 1259.93975625       | 13.98482590  | > 100.00        | 3.84734614  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Left+Right   | 2.03520971370813            | 34013.3782286716            |
| Zn 206.200 | Zn            | nu    | -0.00023000     | -0.00023000   | mg/L  | 117.60174712  | 0.00011608       | 50.46686952         | 5.38733004   | 4.58            | 6.12293802  | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | 128.281994247882            | 46412.3409056922            |
| Y 371.029  | Y             |       | 0.95            | 0.95          | Ratio | 803918.34     | 0.01             | 0.98                | 7917.95      | 0.98            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.04            | 1.04          | Ratio | 279667.47     | 0.01             | 0.71                | 1994.29      | 0.71            |             | -                 | -               | -                       | Fitted                | -                           | -                           |



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

enthalpy.com

Lab Job Number : 504322  
Report Level : II  
Report Date : 03/15/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 504322  
Project No: 20-10491  
Location: Hangar 1 NTCRA  
Date Received: 03/13/24

| Sample ID                                     | Lab ID     | Collected      | Matrix |
|-----------------------------------------------|------------|----------------|--------|
| ARCH-C14W-INT-3.5 TO 4.5-240313-L-WF          | 504322-001 | 03/13/24 09:15 | Wipe   |
| ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240313-L-LA | 504322-002 | 03/13/24 09:25 | Wipe   |

## Case Narrative

---

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

Lab Job 504322  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/13/24

---

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 03/14/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.



Enthalpy Analytical - Orange

951 W. Barkley Avenue, Orange, CA 92868  
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:

Preservatives:  
1 = Na<sub>2</sub>SO<sub>3</sub> 2 = HCl 3 = HNO<sub>3</sub>  
4 = H<sub>2</sub>SO<sub>4</sub> 5 = NaOH 6 = Other

Sample Receipt Temp:

Report: Level II data validation (lab use only)

| CUSTOMER INFORMATION |                                               |             |                            | PROJECT INFORMATION |                     |                |      | Analysis Request      |    |                       |     | Test Instructions / Comments                                                                                                                                                                                                                                                                                                                        |  |  |  |
|----------------------|-----------------------------------------------|-------------|----------------------------|---------------------|---------------------|----------------|------|-----------------------|----|-----------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Company:             | Rincon Consultants, Inc.                      | Quote #:    | RIN031721                  | Proj. Name:         | Hangar 1 - NCTRA WP | Matrix:        | WP   | Container No. / Size: | 1  | Pres.:                | --- | Confirmation Wipe Samples - Level II<br>Report/Stage 2A Validation<br>Report PCB concentrations on a µg/100cm <sup>2</sup> basis<br>Report lead concentrations on a µg/l <sup>2</sup> basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) resample |  |  |  |
| Report To:           | Lindsay Parker                                | Proj. #:    | 20-10491                   | P.O. #:             |                     | Matrix:        | WP   | Container No. / Size: | 1  | Pres.:                | --- |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| Email:               | lparker@rinconconsultants.com                 | Address:    | 449 15th Street, Suite 303 | Global ID:          |                     | Matrix:        | WP   | Container No. / Size: | 1  | Pres.:                | --- |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| Address:             | Oakland, California 94612                     | Sampled By: | D. Welsh                   | Sampling Date:      | 3/13/2024           | Sampling Time: | 0915 | Matrix:               | WP | Container No. / Size: | 1   |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| Phone:               | (651) 890-9556                                | Sampled By: | D. Welsh                   | Sampling Date:      | 3/13/2024           | Sampling Time: | 0925 | Matrix:               | WP | Container No. / Size: | 1   | Lead - EPA Method 3050/6010B                                                                                                                                                                                                                                                                                                                        |  |  |  |
| Fax:                 |                                               | Sampled By: | D. Welsh                   | Sampling Date:      | 3/13/2024           | Sampling Time: | 0925 | Matrix:               | WP | Container No. / Size: | 1   |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
|                      |                                               | Sampled By: | D. Welsh                   | Sampling Date:      | 3/13/2024           | Sampling Time: | 0925 | Matrix:               | WP | Container No. / Size: | 1   |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
|                      |                                               | Sampled By: | D. Welsh                   | Sampling Date:      | 3/13/2024           | Sampling Time: | 0925 | Matrix:               | WP | Container No. / Size: | 1   |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 1                    | ARCH-C14W-INT-3.5 TO 4.5-240313-L-WF          | 3/13/2024   | 0915                       | WP                  | 1                   | ---            | X    |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 2                    | ARCH-C13W-DG-3 TO 5.5-UP-C13-6-VS-240313-L-LA | 3/13/2024   | 0925                       | WP                  | 1                   | ---            | X    |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 3                    |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 4                    |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 5                    |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 6                    |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 7                    |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 8                    |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 9                    |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 10                   |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 11                   |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 12                   |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 13                   |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 14                   |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| 15                   |                                               |             |                            |                     |                     |                |      |                       |    |                       |     |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |

| Relinquished By:   | Signature | Print Name     | Company / Title         | Date / Time   |
|--------------------|-----------|----------------|-------------------------|---------------|
| 1 Relinquished By: |           | Danish Welsh   | Rincon / Env. Scientist | 3/13/24 12:15 |
| 1 Received By:     |           | AUDREY HUDSON  | ENTHALPY                | 3/13/24 12:15 |
| 2 Relinquished By: |           | Lindsay Parker | "                       | 3/13/24 16:12 |
| 2 Received By:     |           | Lindsay Parker | "                       | 3/13/24 16:12 |
| 3 Relinquished By: |           | Lindsay Parker | "                       | 3/13/24 16:12 |
| 3 Received By:     |           | Lindsay Parker | "                       | 3/13/24 16:12 |



**Enthalpy**  
ASSOCIATES

## Section 1: General Info

Section 2: Shipping / Custody

Shipping Info:

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

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

## Section 3: Condition / Packaging

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

Date Opened 3/13/24 By (print) AM (sign) AM

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

If no cooler: Sample Temp (°C): \_\_\_\_\_

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

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

Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None

Temperature blank(s) included? ☐ Yes, ☐ No

## Section 4: Containers / Labels / Samples

Were custody papers dry, filled out properly, and the project identifiable?

|                                                                         |  |
|-------------------------------------------------------------------------|--|
| Were Method 5035 sampling containers present? Transferred to freezer @: |  |
|-------------------------------------------------------------------------|--|

Did all containers arrive unbroken/unopened?

Are there any missing / extra samples?

Are samples in the appropriate containers for indicated tests?

Are sample labels present, in good condition and complete?

Does the container count match the COC?

Do the sample labels agree with custody papers?

Was sufficient amount of sample sent for tests requested?

Did you change the hold time in LIMS for unpreserved VOAs?

Did you change the hold time in LIMS for preserved terracores?

Are bubbles > 6mm present in VOA samples?

Was the client contacted about this delivery? Contacted: \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

## Section 5: Preservatives

Are the samples appropriately preserved? (if yes, skip the rest of section 5)

Did any samples / containers require preservation upon receipt?

Did you document your preservative check in the bench book?

Preservative added:

☐ H2SO4 lot# \_\_\_\_\_ added to samples \_\_\_\_\_ Date/Time \_\_\_\_\_

☐ HCL lot# \_\_\_\_\_ added to samples \_\_\_\_\_ Date/Time \_\_\_\_\_  
 \_\_\_\_\_ Date/Time \_\_\_\_\_

☐ HNO3 lot# \_\_\_\_\_ added to samples \_\_\_\_\_ Date/Time \_\_\_\_\_  
☐ \_\_\_\_\_ Date/Time \_\_\_\_\_

|                                           |                  |           |
|-------------------------------------------|------------------|-----------|
| <input type="checkbox"/> CrVI Buffer lot# | added to samples | Date/Time |
|                                           |                  | Date/Time |

## Section 6: Explanations / Comments

Date Logged 3/13/24 By (print) Ray (sign) \_\_\_\_\_

Date Labeled 3/13/24 By (print) mm (sign) [Signature]

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



ENTHALPY  
ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 03/14/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C)  
(No Cooler):

Sample Temp (°C), One from each cooler: #1: 3.9 #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: 0.6 #2: #3: #4:

Section 4

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

Section 5 Explanations/Comments  
504322

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:

Date:

MAR 14 2024

SOUTHWEST AIRLINES

Printed on:  
13 MAR 19:11

526 OAK 1034 4515 

**SNA**

PC#  
1 OF 3

3

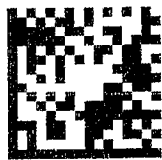
G

DG

LOT WT  
100 LB  
(45.4 KG)

OAK WN 3994 14 MAR 06:25

STN FLT DATE ETD LOT 01



PC ID: 0001  
PC WT: 34LB

526 10344515 0001

**S**

0.6 / 3.9

## Lead

|                                                       |                                 |                            |
|-------------------------------------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504322                                  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                     | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14W-INT-3.5 TO 4.5-240313-L-WF | <b>Batch#:</b> 335396           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                   | <b>Sampled:</b> 03/13/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504322-001                             | <b>Received:</b> 03/13/24       | <b>Analyst:</b> RPS        |
| <b>Matrix:</b> Wipe                                   | <b>Prepared:</b> 03/14/24       |                            |
| <b>Diln Fac:</b> 1.000                                | <b>Analyzed:</b> 03/14/24       |                            |

| 504322-001 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 1.3    | 0.50 | ug/ft2 |

|                                                                |                           |                            |
|----------------------------------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240313-L-LA | <b>Batch#:</b> 335396     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 03/13/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504322-002                                      | <b>Received:</b> 03/13/24 | <b>Analyst:</b> RPS        |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 03/14/24 |                            |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 03/14/24 |                            |

| 504322-002 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 4.8    | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 335396     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1136477 | <b>Prepared:</b> 03/14/24 | <b>Analyst:</b> RPS        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 03/14/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1136477 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend

ND: Not Detected

RL: Reporting Limit

## Lead: Batch QC

**Lab #:** 504322

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1136478

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335396

**Prepared:** 03/14/24

**Analyzed:** 03/14/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** RPS

| QC1136478 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 49.52  | 99   | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1136479

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335396

**Prepared:** 03/14/24

**Analyzed:** 03/14/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** RPS

| QC1136479 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 49.61  | 99   | 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 : 504324  
Report Level : IV  
Report Date : 03/15/2024

## Metals

### **Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #:     | 504324         |
| Rincon          | Project No:    | 20-10491       |
| Consultants     | Location:      | Hangar 1 NTCRA |
| 449 15th Street | Date Received: | 03/13/24       |
| #303            |                |                |
| Oakland, CA     |                |                |
| 94612           |                |                |

| Sample ID                                     | Lab ID     | Collected      | Matrix |
|-----------------------------------------------|------------|----------------|--------|
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-L-LA | 504324-001 | 03/13/24 09:05 | Wipe   |

## Case Narrative

### METALS (EPA 6010B)

---

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

Lab Job 504324  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/13/24

---

This data package contains sample and QC results for one wipe sample, requested for the above referenced project on 03/14/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

#### **Metals (EPA 6010B):**

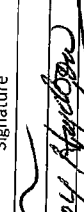
No analytical problems were encountered.

## **Chain of Custody**

504324

|                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                        |  |                                                                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  <b>ENTHALPY ANALYTICAL</b><br>Enthalpy Analytical - Orange<br>931 W. Bartley Avenue, Orange, CA 92668<br>Phone 714-771-6900                                                                                                                                                    |  | <b>Chain of Custody Record</b><br>COC ID:<br>Page: 1 of 1                                                                                                                                              |  | <b>Turn Around Time (rush by advanced notice only)</b><br>Standard:<br>1 Day:<br>2 Day:<br>3 Day:                                                                                                          |  |
| <b>CUSTOMER INFORMATION</b><br>Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (510) 890-9556<br>Fax:                                                                                                                         |  | <b>PROJECT INFORMATION</b><br>Quote #: RIN031721<br>Proj. Name: Hanger 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #:<br>Address: 158 Cody Road, Mountain View, CA<br>Global ID:<br>Sampled By: D. WELSH |  | <b>Analysis Request</b><br>Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other<br>Report: Level IV |  |
| <b>Test Instructions / Comments</b><br>Confirmation Wipe Samples - Level IV<br>Report/Stage 3 Validation<br>Report PCB concentrations on a µg/100cm² basis<br>Report lead concentrations on a µg/ft² basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) resample |  | Preservatives:<br>1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃<br>4 = H₂SO₄ 5 = NaOH 6 = Other                                                                                                                         |  |                                                                                                                                                                                                            |  |
| Sample Receipt Temp: (lab use only)                                                                                                                                                                                                                                                                                                                                |  | Report: Level IV                                                                                                                                                                                       |  |                                                                                                                                                                                                            |  |

| Sample ID                                       | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | Print Name    | Company / Title         | Date / Time   |
|-------------------------------------------------|---------------|---------------|--------|----------------------|-------|---------------|-------------------------|---------------|
| 1 ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-L-LA | 3/13/24       | 0905          | WP     | 1                    | --    | Donald Welsh  | Rincon / Env. Scientist | 3/13/24 12:15 |
| 2                                               |               |               |        |                      |       | Audrey Hudson | ENRTHALPY               | 3/13/24 12:15 |
| 3                                               |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 4                                               |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 5                                               |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 6                                               |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 7                                               |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 8                                               |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 9                                               |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 10                                              |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 11                                              |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 12                                              |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 13                                              |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 14                                              |               |               |        |                      |       |               |                         | 3/13/24 16:12 |
| 15                                              |               |               |        |                      |       |               |                         | 3/13/24 16:12 |

|                    |                                                                                       |                |                         |               |
|--------------------|---------------------------------------------------------------------------------------|----------------|-------------------------|---------------|
| 1 Relinquished By: | Signature                                                                             | Print Name     | Company / Title         | Date / Time   |
| 1 Received By:     |  | Donald Welsh   | Rincon / Env. Scientist | 3/13/24 12:15 |
| 2 Relinquished By: |  | Audrey Hudson  | ENRTHALPY               | 3/13/24 12:15 |
| 2 Received By:     |  | Donald Welsh   | Rincon / Env. Scientist | 3/13/24 16:12 |
| 3 Relinquished By: |  | Lindsay Parker | Enthalpy Analytical     | 3/13/24 16:12 |
| 3 Received By:     |  | Donald Welsh   | Rincon / Env. Scientist | 3/13/24 16:12 |

6 of 72

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

#### Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 03/14/24

Sampler's Name Present: ☒ Yes ☐ No

#### Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) \_\_\_\_\_  
(No Cooler) : \_\_\_\_\_  
Sample Temp (°C), One from each cooler: #1: 3.9 #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: 0.6 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

#### Section 4

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

#### Section 5 Explanations/Comments

504324

#### 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: \_\_\_\_\_

Date: MAR 14 2024

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

**SOUTHWEST AIRLINES**

Printed on:  
13 MAR 19:11

**526 OAK 1034 4515** 

**SNA**

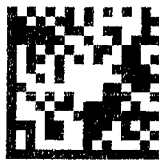
PC#  
1 OF 3

DG  
G

LOT WT  
100 LB  
(45.4 KG)

OAK WN 3994 14 MAR 06:25

STN FLT DATE ETD LOT 01



PC ID: 0001  
PC WT: 34LB

526 10344515 0001

**S**

0.6 / 3.9



## **Results & QC Summary**

## Lead

|                                                                |  |                                 |                            |
|----------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504324                                           |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-L-LA |  | <b>Batch#:</b> 335396           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/13/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504324-001                                      |  | <b>Received:</b> 03/13/24       | <b>Analyst:</b> RPS        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/14/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/14/24       |                            |

| 504324-001 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 11     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 335396     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1136477 | <b>Prepared:</b> 03/14/24 | <b>Analyst:</b> RPS        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 03/14/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1136477 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend  
**ND:** Not Detected  
**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 504324

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1136478

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335396

**Prepared:** 03/14/24

**Analyzed:** 03/14/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** RPS

| QC1136478 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 49.52  | 99   | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1136479

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335396

**Prepared:** 03/14/24

**Analyzed:** 03/14/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** RPS

| QC1136479 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 49.61  | 99   | 80-120 | ug/ft2 | 0   | 20  |

Legend

**RPD:** Relative Percent  
Difference

REPORTING SUMMARY FOR 504324 METALS Wipe  
Enthalpy Analytical - Orange

| Lab ID     | Inst ID | Analyzed       | IDF | P<br>B |
|------------|---------|----------------|-----|--------|
| 504324-001 | MET09   | 03/14/24 18:21 | 1.0 | ✓      |
| QC1136477  | MET09   | 03/14/24 17:48 | 1.0 | ✓      |
| QC1136478  | MET09   | 03/14/24 17:51 | 1.0 | ✓      |
| QC1136479  | MET09   | 03/14/24 17:54 | 1.0 | ✓      |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/14/24 15:06

| #   | File     | Type    | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | Stds Used |                  |
|-----|----------|---------|------------|----------|--------|----------------|-----|-----------|------------------|
| 001 | icp data | ICALBLK |            |          |        | 03/14/24 15:06 | 1.0 |           |                  |
| 002 | icp data | ICAL    | L1         |          |        | 03/14/24 15:09 | 1.0 | 1         |                  |
| 003 | icp data | ICAL    | L2         |          |        | 03/14/24 15:12 | 1.0 | 2         |                  |
| 004 | icp data | ICAL    | L3         |          |        | 03/14/24 15:15 | 1.0 | 3         |                  |
| 005 | icp data | ICAL    | L4         |          |        | 03/14/24 15:18 | 1.0 | 4         |                  |
| 006 | icp data | ICAL    | L5         |          |        | 03/14/24 15:22 | 1.0 | 5         |                  |
| 007 | icp data | ICAL    | L6         |          |        | 03/14/24 15:25 | 1.0 | 6         |                  |
| 008 | icp data | ICAL    | L7         |          |        | 03/14/24 15:28 | 1.0 | 7         |                  |
| 009 | icp data | ICAL    | L8         |          |        | 03/14/24 15:31 | 1.0 | 8         |                  |
| 010 | icp data | XICV    |            |          |        | 03/14/24 15:37 | 1.0 | 9         |                  |
| 011 | icp data | ICV     |            |          |        | 03/14/24 15:40 | 1.0 | 9         |                  |
| 012 | icp data | ICB     |            |          |        | 03/14/24 15:43 | 1.0 |           |                  |
| 013 | icp data | CRI     |            |          |        | 03/14/24 15:46 | 1.0 | 10        |                  |
| 014 | icp data | ICSA    |            |          |        | 03/14/24 15:49 | 1.0 | 11        | 6:MGASMGCO3=1400 |
| 015 | icp data | ICSAB   |            |          |        | 03/14/24 15:52 | 1.0 | 12        | 6:MGASMGCO3=1400 |
| 016 | icp data | LCS     | QC1136326  | Water    | 335356 | 03/14/24 16:01 | 1.0 | 13        |                  |
| 017 | icp data | MSS     | 504304-001 | Water    | 335356 | 03/14/24 16:04 | 1.0 | 13        | 2:FEASFE2O3=31   |
| 018 | icp data | MS      | QC1136327  | Water    | 335356 | 03/14/24 16:07 | 1.0 | 13        | 2:FEASFE2O3=32   |
| 019 | icp data | MSD     | QC1136328  | Water    | 335356 | 03/14/24 16:10 | 1.0 | 13        | 2:FEASFE2O3=31   |
| 020 | icp data | SAMPLE  | 504359-001 | Water    | 335356 | 03/14/24 16:13 | 1.0 | 13        | 1:FE=28          |
| 021 | icp data | SAMPLE  | 504359-002 | Water    | 335356 | 03/14/24 16:16 | 1.0 | 13        | 1:FE=50          |
| 022 | icp data | SAMPLE  | 504359-003 | Water    | 335356 | 03/14/24 16:20 | 1.0 | 13        | 1:FE=52          |
| 023 | icp data | SAMPLE  | 504359-007 | Water    | 335356 | 03/14/24 16:23 | 1.0 | 13        |                  |
| 024 | icp data | SAMPLE  | 504359-008 | Water    | 335356 | 03/14/24 16:26 | 1.0 | 13        |                  |
| 025 | icp data | XCCV    |            |          |        | 03/14/24 16:29 | 1.0 | 9         |                  |
| 026 | icp data | CCV     |            |          |        | 03/14/24 16:33 | 1.0 | 9         |                  |
| 027 | icp data | CCB     |            |          |        | 03/14/24 16:37 | 1.0 |           |                  |
| 028 | icp data | BLANK   | QC1136447  | Soil     | 335389 | 03/14/24 16:40 | 1.0 | 13        |                  |
| 029 | icp data | LCS     | QC1136448  | Soil     | 335389 | 03/14/24 16:43 | 1.0 | 13        |                  |
| 030 | icp data | SAMPLE  | 504102-031 | Soil     | 335389 | 03/14/24 16:46 | 1.0 | 13        | 3:PB=250         |
| 031 | icp data | SAMPLE  | 504102-032 | Soil     | 335389 | 03/14/24 16:49 | 1.0 | 13        | 2:FE=66          |
| 032 | icp data | SAMPLE  | 504102-046 | Soil     | 335389 | 03/14/24 16:52 | 1.0 | 13        | 3:AL=200         |
| 033 | icp data | SAMPLE  | 504102-047 | Soil     | 335389 | 03/14/24 16:55 | 1.0 | 13        | 3:AL=300         |
| 034 | icp data | SAMPLE  | 504102-067 | Soil     | 335389 | 03/14/24 16:59 | 1.0 | 13        | 3:AL=240         |
| 035 | icp data | SAMPLE  | 504102-068 | Soil     | 335389 | 03/14/24 17:02 | 1.0 | 13        | 3:AL=220         |
| 036 | icp data | SAMPLE  | 504102-072 | Soil     | 335389 | 03/14/24 17:05 | 1.0 | 13        | 3:AL=230         |
| 037 | icp data | SAMPLE  | 504102-073 | Soil     | 335389 | 03/14/24 17:08 | 1.0 | 13        | 3:FE=300         |
| 038 | icp data | XCCV    |            |          |        | 03/14/24 17:11 | 1.0 | 9         |                  |
| 039 | icp data | CCV     |            |          |        | 03/14/24 17:17 | 1.0 | 9         |                  |
| 040 | icp data | CCB     |            |          |        | 03/14/24 17:20 | 1.0 |           |                  |
| 041 | icp data | SAMPLE  | 504323-001 | Miscell. | 335389 | 03/14/24 17:26 | 1.0 | 13        | 2:FE=36          |
| 042 | icp data | MSS     | 504366-001 | Soil     | 335389 | 03/14/24 17:29 | 1.0 | 13        | 5:MGASMGCO3=410  |
| 043 | icp data | MS      | QC1136449  | Soil     | 335389 | 03/14/24 17:32 | 1.0 | 13        | 6:ALASAL2O3=410  |
| 044 | icp data | MSD     | QC1136450  | Soil     | 335389 | 03/14/24 17:35 | 1.0 | 13        | 6:MGASMGCO3=430  |
| 045 | icp data | PDS     | QC1136451  | Soil     | 335389 | 03/14/24 17:38 | 1.0 | 13        | 6:MGASMGCO3=400  |
| 046 | icp data | SAMPLE  | 504366-002 | Soil     | 335389 | 03/14/24 17:41 | 1.0 | 13        | 2:FE=220         |
| 047 | icp data | SAMPLE  | 504366-003 | Soil     | 335389 | 03/14/24 17:45 | 1.0 | 13        | 2:FE=200         |
| 048 | icp data | BLANK   | QC1136477  | Wipe     | 335396 | 03/14/24 17:48 | 1.0 | 13        |                  |
| 049 | icp data | BS      | QC1136478  | Wipe     | 335396 | 03/14/24 17:51 | 1.0 | 13        |                  |
| 050 | icp data | BSD     | QC1136479  | Wipe     | 335396 | 03/14/24 17:54 | 1.0 | 13        |                  |
| 051 | icp data | XCCV    |            |          |        | 03/14/24 17:57 | 1.0 | 9         |                  |
| 052 | icp data | XCCV    |            |          |        | 03/14/24 18:00 | 1.0 | 9         |                  |
| 053 | icp data | CCV     |            |          |        | 03/14/24 18:06 | 1.0 | 9         |                  |
| 054 | icp data | CCB     |            |          |        | 03/14/24 18:09 | 1.0 |           |                  |
| 055 | icp data | SAMPLE  | 504322-001 | Wipe     | 335396 | 03/14/24 18:15 | 1.0 | 13        | 1:FE=47          |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/14/24 15:06

| #   | File     | Type   | Sample ID  | Matrix         | Batch  | Analyzed       | IDF  | Stds Used |                  |
|-----|----------|--------|------------|----------------|--------|----------------|------|-----------|------------------|
| 056 | icp data | SAMPLE | 504322-002 | Wipe           | 335396 | 03/14/24 18:18 | 1.0  | 13        | 1:FE=47          |
| 057 | icp data | SAMPLE | 504324-001 | Wipe           | 335396 | 03/14/24 18:21 | 1.0  | 13        | 1:FE=74          |
| 058 | icp data | BLANK  | QC1136512  | WET Leachate   | 335408 | 03/14/24 18:24 | 1.0  | 13        |                  |
| 059 | icp data | BS     | QC1136513  | WET Leachate   | 335408 | 03/14/24 18:27 | 1.0  | 13        |                  |
| 060 | icp data | BSD    | QC1136514  | WET Leachate   | 335408 | 03/14/24 18:30 | 1.0  | 13        |                  |
| 061 | icp data | SAMPLE | 501645-001 | WET Leachate   | 335408 | 03/14/24 18:33 | 1.0  | 13        |                  |
| 062 | icp data | BLANK  | QC1136401  | TCLP Leachate  | 335375 | 03/14/24 18:36 | 1.0  | 13        | 1:NA=1000        |
| 063 | icp data | BLANK  | QC1136515  | TCLP Leachate  | 335375 | 03/14/24 18:39 | 1.0  | 13        | 1:NA=1100        |
| 064 | icp data | SAMPLE | 504102-031 | Soil           | 335389 | 03/14/24 18:43 | 50.0 | 13        |                  |
| 065 | icp data | CCV    |            |                |        | 03/14/24 18:46 | 1.0  | 9         |                  |
| 066 | icp data | CCB    |            |                |        | 03/14/24 18:49 | 1.0  |           |                  |
| 067 | icp data | BLANK  | QC1136243  | Soil           | 335335 | 03/14/24 18:52 | 1.0  | 13        |                  |
| 068 | icp data | LCS    | QC1136244  | Soil           | 335335 | 03/14/24 18:55 | 1.0  | 13        |                  |
| 069 | icp data | SAMPLE | 504127-010 | Soil           | 335335 | 03/14/24 18:58 | 1.0  | 13        | 2:FE=150         |
| 070 | icp data | SAMPLE | 504127-011 | Soil           | 335335 | 03/14/24 19:01 | 1.0  | 13        | 3:FE=200         |
| 071 | icp data | MSS    | 504157-001 | Miscell.       | 335335 | 03/14/24 19:04 | 1.0  | 13        | 7:CAASCACO3=1800 |
| 072 | icp data | MS     | QC1136245  | Miscell.       | 335335 | 03/14/24 19:08 | 1.0  | 13        | 7:CAASCACO3=1900 |
| 073 | icp data | MSD    | QC1136246  | Miscell.       | 335335 | 03/14/24 19:11 | 1.0  | 13        | 7:CAASCACO3=1900 |
| 074 | icp data | PDS    | QC1136247  | Miscell.       | 335335 | 03/14/24 19:14 | 1.0  | 13        | 7:CAASCACO3=1800 |
| 075 | icp data | SAMPLE | 504157-002 | Miscell.       | 335335 | 03/14/24 19:17 | 1.0  | 13        | 3:FE=260         |
| 076 | icp data | SAMPLE | 504201-001 | Miscell.       | 335335 | 03/14/24 19:20 | 1.0  | 13        | 2:FE=150         |
| 077 | icp data | CCV    |            |                |        | 03/14/24 19:23 | 1.0  | 9         |                  |
| 078 | icp data | CCB    |            |                |        | 03/14/24 19:26 | 1.0  |           |                  |
| 079 | icp data | SAMPLE | 504201-002 | Miscell.       | 335335 | 03/14/24 19:29 | 1.0  | 13        | 2:FE=120         |
| 080 | icp data | SAMPLE | 504201-003 | Miscell.       | 335335 | 03/14/24 19:33 | 1.0  | 13        | 2:FE=130         |
| 081 | icp data | SAMPLE | 504201-016 | Soil           | 335335 | 03/14/24 19:36 | 1.0  | 13        | 2:FE=160         |
| 082 | icp data | SAMPLE | 504201-017 | Soil           | 335335 | 03/14/24 19:39 | 1.0  | 13        | 2:FE=170         |
| 083 | icp data | SAMPLE | 504201-018 | Soil           | 335335 | 03/14/24 19:42 | 1.0  | 13        | 2:FE=160         |
| 084 | icp data | SAMPLE | 504237-001 | Miscell.       | 335335 | 03/14/24 19:45 | 1.0  | 13        | 3:FE=230         |
| 085 | icp data | SAMPLE | 504270-001 | Soil           | 335335 | 03/14/24 19:48 | 1.0  | 13        | 2:AL=270         |
| 086 | icp data | SAMPLE | 504270-002 | Soil           | 335335 | 03/14/24 19:51 | 1.0  | 13        | 2:AL=240         |
| 087 | icp data | SAMPLE | 504270-003 | Soil           | 335335 | 03/14/24 19:54 | 1.0  | 13        | 2:FE=220         |
| 088 | icp data | SAMPLE | 504270-004 | Soil           | 335335 | 03/14/24 19:57 | 1.0  | 13        | 3:FE=240         |
| 089 | icp data | CCV    |            |                |        | 03/14/24 20:01 | 1.0  | 9         |                  |
| 090 | icp data | CCB    |            |                |        | 03/14/24 20:04 | 1.0  |           |                  |
| 091 | icp data | SAMPLE | 504290-005 | Soil           | 335335 | 03/14/24 20:07 | 1.0  | 13        | 2:FE=210         |
| 092 | icp data | SAMPLE | 504293-001 | Soil           | 335335 | 03/14/24 20:10 | 1.0  | 13        | 2:AL=93          |
| 093 | icp data | SAMPLE | 504293-002 | Soil           | 335335 | 03/14/24 20:13 | 1.0  | 13        | 2:AL=98          |
| 094 | icp data | SAMPLE | 504293-003 | Soil           | 335335 | 03/14/24 20:16 | 1.0  | 13        | 2:AL=110         |
| 095 | icp data | SAMPLE | 504293-004 | Soil           | 335335 | 03/14/24 20:19 | 1.0  | 13        | 2:AL=120         |
| 096 | icp data | BLANK  | QC1136523  | Drinking Water | 335411 | 03/14/24 20:22 | 1.0  | 13        |                  |
| 097 | icp data | LCS    | QC1136524  | Drinking Water | 335411 | 03/14/24 20:26 | 1.0  | 13        |                  |
| 098 | icp data | MSS    | 504283-001 | Drinking Water | 335411 | 03/14/24 20:29 | 1.0  | 13        |                  |
| 099 | icp data | MS     | QC1136525  | Drinking Water | 335411 | 03/14/24 20:32 | 1.0  | 13        |                  |
| 100 | icp data | MSD    | QC1136526  | Drinking Water | 335411 | 03/14/24 20:35 | 1.0  | 13        |                  |
| 101 | icp data | CCV    |            |                |        | 03/14/24 20:38 | 1.0  | 9         |                  |
| 102 | icp data | CCB    |            |                |        | 03/14/24 20:41 | 1.0  |           |                  |
| 103 | icp data | SAMPLE | 504326-001 | Drinking Water | 335411 | 03/14/24 20:44 | 1.0  | 13        |                  |
| 104 | icp data | SAMPLE | 504342-001 | Drinking Water | 335411 | 03/14/24 20:47 | 1.0  | 13        |                  |
| 105 | icp data | SAMPLE | 504342-003 | Drinking Water | 335411 | 03/14/24 20:50 | 1.0  | 13        |                  |
| 106 | icp data | SAMPLE | 504342-004 | Drinking Water | 335411 | 03/14/24 20:54 | 1.0  | 13        |                  |
| 107 | icp data | SAMPLE | 504342-006 | Drinking Water | 335411 | 03/14/24 20:57 | 1.0  | 13        |                  |
| 108 | icp data | SAMPLE | 504342-007 | Drinking Water | 335411 | 03/14/24 21:00 | 1.0  | 13        |                  |
| 109 | icp data | BLANK  | QC1136329  | Water          | 335358 | 03/14/24 21:03 | 1.0  | 13        |                  |
| 110 | icp data | LCS    | QC1136330  | Water          | 335358 | 03/14/24 21:06 | 1.0  | 13        |                  |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/14/24 15:06

| #   | File     | Type   | Sample ID  | Matrix | Batch  | Analyzed       | IDF | Stds Used |           |
|-----|----------|--------|------------|--------|--------|----------------|-----|-----------|-----------|
| 111 | icp data | MSS    | 504233-001 | Water  | 335358 | 03/14/24 21:09 | 1.0 | 13        |           |
| 112 | icp data | MS     | QC1136331  | Water  | 335358 | 03/14/24 21:12 | 1.0 | 13        |           |
| 113 | icp data | CCV    |            |        |        | 03/14/24 21:15 | 1.0 | 9         |           |
| 114 | icp data | CCB    |            |        |        | 03/14/24 21:19 | 1.0 |           |           |
| 115 | icp data | MSD    | QC1136332  | Water  | 335358 | 03/14/24 21:22 | 1.0 | 13        |           |
| 116 | icp data | SAMPLE | 504233-002 | Water  | 335358 | 03/14/24 21:25 | 1.0 | 13        |           |
| 117 | icp data | SAMPLE | 504302-001 | Water  | 335358 | 03/14/24 21:28 | 1.0 | 13        |           |
| 118 | icp data | SAMPLE | 504358-001 | Water  | 335358 | 03/14/24 21:31 | 1.0 | 13        |           |
| 119 | icp data | SAMPLE | 504358-002 | Water  | 335358 | 03/14/24 21:34 | 1.0 | 13        | 1:NA=1600 |
| 120 | icp data | SAMPLE | 504358-003 | Water  | 335358 | 03/14/24 21:37 | 1.0 | 13        | 1:NA=1100 |
| 121 | icp data | SAMPLE | 504358-004 | Water  | 335358 | 03/14/24 21:40 | 1.0 | 13        |           |
| 122 | icp data | SAMPLE | 504358-005 | Water  | 335358 | 03/14/24 21:43 | 1.0 | 13        |           |
| 123 | icp data | BLANK  | QC1136333  | Water  | 335359 | 03/14/24 21:47 | 1.0 | 13        |           |
| 124 | icp data | LCS    | QC1136334  | Water  | 335359 | 03/14/24 21:50 | 1.0 | 13        |           |
| 125 | icp data | CCV    |            |        |        | 03/14/24 21:53 | 1.0 | 9         |           |
| 126 | icp data | CCB    |            |        |        | 03/14/24 21:56 | 1.0 |           |           |
| 127 | icp data | MSS    | 504362-001 | Water  | 335359 | 03/14/24 21:59 | 1.0 | 13        |           |
| 128 | icp data | MS     | QC1136335  | Water  | 335359 | 03/14/24 22:02 | 1.0 | 13        |           |
| 129 | icp data | MSD    | QC1136336  | Water  | 335359 | 03/14/24 22:05 | 1.0 | 13        |           |
| 130 | icp data | SAMPLE | 504365-001 | Water  | 335359 | 03/14/24 22:08 | 1.0 | 13        |           |
| 131 | icp data | CCV    |            |        |        | 03/14/24 22:12 | 1.0 | 9         |           |
| 132 | icp data | CCB    |            |        |        | 03/14/24 22:15 | 1.0 |           |           |

RPS 03/15/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 132.

## Standards Used:

1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20134 8=S19713 9=S20103 10=S20132 11=S20136 12=S20133 13=S16862

Date: 03/14/24  
Sequence: MET09 03/14/24

Reference: icp data  
Analyzed: 03/14/24 15:06

| #   | Type   | Sample ID   | Y A     | Y R    |
|-----|--------|-------------|---------|--------|
|     |        | ICALBLK STD | 796142  | 284653 |
|     |        | LOWER LIMIT | 238843  | 85396  |
|     |        | UPPER LIMIT | 1592284 | 569307 |
| 012 | ICB    |             | 800149  | 286180 |
| 014 | ICSA   |             | 728202  | 260027 |
| 015 | ICSAB  |             | 724996  | 259689 |
| 016 | LCS    | QC1136326   | 763554  | 274112 |
| 017 | MSS    | 504304-001  | 730135  | 263303 |
| 018 | MS     | QC1136327   | 728766  | 261133 |
| 019 | MSD    | QC1136328   | 727417  | 258909 |
| 020 | SAMPLE | 504359-001  | 738044  | 262701 |
| 021 | SAMPLE | 504359-002  | 745949  | 265731 |
| 022 | SAMPLE | 504359-003  | 744954  | 266320 |
| 023 | SAMPLE | 504359-007  | 751612  | 270599 |
| 024 | SAMPLE | 504359-008  | 753964  | 270093 |
| 026 | CCV    |             | 768428  | 273614 |
| 027 | CCB    |             | 788653  | 280924 |
| 028 | BLANK  | QC1136447   | 773487  | 281029 |
| 029 | LCS    | QC1136448   | 767621  | 277004 |
| 030 | SAMPLE | 504102-031  | 768783  | 280746 |
| 031 | SAMPLE | 504102-032  | 766790  | 279530 |
| 032 | SAMPLE | 504102-046  | 759977  | 277536 |
| 033 | SAMPLE | 504102-047  | 776459  | 281768 |
| 034 | SAMPLE | 504102-067  | 760318  | 276209 |
| 035 | SAMPLE | 504102-068  | 755743  | 274676 |
| 036 | SAMPLE | 504102-072  | 758587  | 275701 |
| 037 | SAMPLE | 504102-073  | 767294  | 277797 |
| 039 | CCV    |             | 769956  | 274612 |
| 040 | CCB    |             | 797294  | 285204 |
| 041 | SAMPLE | 504323-001  | 762889  | 277082 |
| 042 | MSS    | 504366-001  | 744406  | 268856 |
| 043 | MS     | QC1136449   | 743022  | 270047 |
| 044 | MSD    | QC1136450   | 745353  | 269609 |
| 045 | PDS    | QC1136451   | 742326  | 268935 |
| 046 | SAMPLE | 504366-002  | 751424  | 270805 |
| 047 | SAMPLE | 504366-003  | 748488  | 270596 |
| 048 | BLANK  | QC1136477   | 734410  | 265883 |
| 049 | BS     | QC1136478   | 740875  | 262733 |
| 050 | BSD    | QC1136479   | 741730  | 265783 |
| 053 | CCV    |             | 768129  | 271275 |
| 054 | CCB    |             | 791954  | 282016 |
| 055 | SAMPLE | 504322-001  | 733934  | 261747 |
| 056 | SAMPLE | 504322-002  | 739981  | 262826 |
| 057 | SAMPLE | 504324-001  | 737323  | 263124 |
| 058 | BLANK  | QC1136512   | 787952  | 274902 |
| 059 | BS     | QC1136513   | 781001  | 275936 |
| 060 | BSD    | QC1136514   | 778200  | 275741 |
| 061 | SAMPLE | 501645-001  | 785062  | 275848 |
| 062 | BLANK  | QC1136401   | 753077  | 264955 |
| 063 | BLANK  | QC1136515   | 754749  | 264844 |
| 064 | SAMPLE | 504102-031  | 794759  | 284101 |
| 065 | CCV    |             | 769936  | 273558 |
| 066 | CCB    |             | 793723  | 281393 |
| 067 | BLANK  | QC1136243   | 765333  | 277211 |
| 068 | LCS    | QC1136244   | 758867  | 274865 |
| 069 | SAMPLE | 504127-010  | 786444  | 284736 |
| 070 | SAMPLE | 504127-011  | 771622  | 278147 |



Date: 03/14/24  
Sequence: MET09 03/14/24

Reference: icp data  
Analyzed: 03/14/24 15:06

| #   | Type   | Sample ID  | Y A    | Y R    |
|-----|--------|------------|--------|--------|
| 071 | MSS    | 504157-001 | 729802 | 259830 |
| 072 | MS     | QC1136245  | 728970 | 259066 |
| 073 | MSD    | QC1136246  | 731189 | 260061 |
| 074 | PDS    | QC1136247  | 730126 | 260518 |
| 075 | SAMPLE | 504157-002 | 733148 | 260573 |
| 076 | SAMPLE | 504201-001 | 760498 | 272023 |
| 077 | CCV    |            | 776015 | 272809 |
| 078 | CCB    |            | 799832 | 282893 |
| 079 | SAMPLE | 504201-002 | 765575 | 273998 |
| 080 | SAMPLE | 504201-003 | 761365 | 272420 |
| 081 | SAMPLE | 504201-016 | 760078 | 273794 |
| 082 | SAMPLE | 504201-017 | 758460 | 275249 |
| 083 | SAMPLE | 504201-018 | 760908 | 276277 |
| 084 | SAMPLE | 504237-001 | 745691 | 268595 |
| 085 | SAMPLE | 504270-001 | 761650 | 275265 |
| 086 | SAMPLE | 504270-002 | 755042 | 272794 |
| 087 | SAMPLE | 504270-003 | 753092 | 271584 |
| 088 | SAMPLE | 504270-004 | 754714 | 274788 |
| 089 | CCV    |            | 771046 | 275206 |
| 090 | CCB    |            | 796010 | 283017 |
| 091 | SAMPLE | 504290-005 | 751033 | 271907 |
| 092 | SAMPLE | 504293-001 | 756579 | 273877 |
| 093 | SAMPLE | 504293-002 | 754140 | 274159 |
| 094 | SAMPLE | 504293-003 | 753470 | 276294 |
| 095 | SAMPLE | 504293-004 | 750641 | 275282 |
| 096 | BLANK  | QC1136523  | 793030 | 283058 |
| 097 | LCS    | QC1136524  | 778298 | 278003 |
| 098 | MSS    | 504283-001 | 814207 | 289187 |
| 099 | MS     | QC1136525  | 804963 | 284748 |
| 100 | MSD    | QC1136526  | 803630 | 285505 |
| 101 | CCV    |            | 766942 | 274221 |
| 102 | CCB    |            | 790989 | 284686 |
| 103 | SAMPLE | 504326-001 | 810962 | 289163 |
| 104 | SAMPLE | 504342-001 | 810367 | 287076 |
| 105 | SAMPLE | 504342-003 | 810152 | 287135 |
| 106 | SAMPLE | 504342-004 | 795628 | 279997 |
| 107 | SAMPLE | 504342-006 | 809058 | 290263 |
| 108 | SAMPLE | 504342-007 | 808876 | 289413 |
| 109 | BLANK  | QC1136329  | 812398 | 292610 |
| 110 | LCS    | QC1136330  | 803395 | 284845 |
| 111 | MSS    | 504233-001 | 784622 | 275955 |
| 112 | MS     | QC1136331  | 779037 | 274770 |
| 113 | CCV    |            | 771201 | 275279 |
| 114 | CCB    |            | 791241 | 288106 |
| 115 | MSD    | QC1136332  | 781185 | 275461 |
| 116 | SAMPLE | 504233-002 | 786440 | 278519 |
| 117 | SAMPLE | 504302-001 | 790840 | 280402 |
| 118 | SAMPLE | 504358-001 | 710352 | 235861 |
| 119 | SAMPLE | 504358-002 | 742745 | 251519 |
| 120 | SAMPLE | 504358-003 | 760409 | 265291 |
| 121 | SAMPLE | 504358-004 | 770232 | 272431 |
| 122 | SAMPLE | 504358-005 | 783032 | 278922 |
| 123 | BLANK  | QC1136333  | 825921 | 298303 |
| 124 | LCS    | QC1136334  | 807975 | 291466 |
| 125 | CCV    |            | 768006 | 277360 |
| 126 | CCB    |            | 787451 | 289454 |
| 127 | MSS    | 504362-001 | 782736 | 283591 |

| Date: 03/14/24           |        | Reference: icp data      |        |        |
|--------------------------|--------|--------------------------|--------|--------|
| Sequence: MET09 03/14/24 |        | Analyzed: 03/14/24 15:06 |        |        |
| #                        | Type   | Sample ID                | Y A    | Y R    |
| 128                      | MS     | QC1136335                | 776021 | 279022 |
| 129                      | MSD    | QC1136336                | 777560 | 279295 |
| 130                      | SAMPLE | 504365-001               | 774785 | 284531 |
| 131                      | CCV    |                          | 767687 | 274439 |
| 132                      | CCB    |                          | 791500 | 289876 |

|                |              |         |                   |
|----------------|--------------|---------|-------------------|
| Instrument:    | MET09        | Date:   | 14-MAR-2024 15:06 |
| Calibration #: | 674107466001 | X Axis: | R                 |
| Units:         | mg/L         |         |                   |

| Level | File     | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------|--------------|-----------|-------------------|-----------|
| L1    | icp data | 674107466002 | L1        | 14-MAR-2024 15:09 | S19988    |
| L2    | icp data | 674107466003 | L2        | 14-MAR-2024 15:12 | S19987    |
| L3    | icp data | 674107466004 | L3        | 14-MAR-2024 15:15 | S19986    |
| L4    | icp data | 674107466005 | L4        | 14-MAR-2024 15:18 | S19985    |
| L5    | icp data | 674107466006 | L5        | 14-MAR-2024 15:22 | S19984    |
| L6    | icp data | 674107466007 | L6        | 14-MAR-2024 15:25 | S19983    |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.04433 | 1.76E-4 |    | -11307 | 1.000          |      | 7 | 0.995              |       |

Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -68556 | -19542 | 3401.6 | 5608.8 | 5562.8 | 5680.5 |

| Spiked Amounts / Drifts | Ch | L1     | %D | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | 25 | 0.0100 | 0  | 0.1000 | 4  | 1.0000 | 3  | 5.0000 | -1 | 10.000 | 0  |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504324 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET09          | Cal Date: 14-MAR-2024 |
| Calnum: 674107466001 |                       |

- ICV 674107466011 (14-MAR-2024) stds: S20103

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.007 | mg/L  | 1  | 10  |       |

ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466012 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 15:43 |
| Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 800149 | 0.50   |
| Yttrium             | R  | 284653        | 286180 | 0.54   |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504324 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | File: icp data       | IDF: 1.0                |
| Seqnum: 674107466014 | Caldate: 14-MAR-2024 | Time: 14-MAR-2024 15:49 |
| Cal: 674107466001    |                      |                         |

Standards: S20136

| Analyte | Ch | Quant   | IQL      | Units | Flags  |
|---------|----|---------|----------|-------|--------|
| Lead    | A  | 0.01285 | 0.003333 | mg/L  | a+ *** |

| Interferent        | Ch | Spiked | Quant | Units | %Rec | Flags |
|--------------------|----|--------|-------|-------|------|-------|
| Aluminum           | A  | 400.0  | 384.8 | mg/L  | 96   |       |
| Aluminum as Al2O3  | A  | 755.8  | 727.1 | mg/L  | 96   |       |
| Iron               | A  | 160.0  | 137.4 | mg/L  | 86   |       |
| Iron as Fe2O3      | A  | 228.8  | 196.4 | mg/L  | 86   |       |
| Calcium            | R  | 400.0  | 379.0 | mg/L  | 95   |       |
| Calcium as CaCO3   | R  | 998.9  | 946.4 | mg/L  | 95   |       |
| Magnesium          | R  | 400.0  | 393.6 | mg/L  | 98   |       |
| Magnesium as MgCO3 | R  | 1388   | 1365  | mg/L  | 98   |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 728202 | -8.53  |
| Yttrium             | R  | 284653        | 260027 | -8.65  |

+ = high bias a = ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466015 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 15:52 |
| Caldate: 14-MAR-2024 |                         |

Standards: S20133

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.040 | mg/L  | 4  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 724996 | -8.94  |
| Yttrium             | R  | 284653        | 259689 | -8.77  |

ENTHALPY CONTINUING CALIBRATION FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466039 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 17:17 |
| Caldate: 14-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -11307         | 5560.1    | 1.000  | 1.008 | mg/L  | 1  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 769956 | -3.29  |
| Yttrium             | R  | 284653        | 274612 | -3.53  |



ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466040 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 17:20 |
| Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 797294 | 0.14   |
| Yttrium             | R  | 284653        | 285204 | 0.19   |

ENTHALPY CONTINUING CALIBRATION FOR 504324 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674107466053 | File: icp data       | Time: 14-MAR-2024 18:06 |
| Cal: 674107466001    | Caldate: 14-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -11307         | 5557.8    | 1.000  | 1.008 | mg/L  | 1  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 768129 | -3.52  |
| Yttrium             | R  | 284653        | 271275 | -4.70  |

ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674107466054 | File: icp data       | Time: 14-MAR-2024 18:09 |
| Cal: 674107466001    | Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 791954 | -0.53  |
| Yttrium             | R  | 284653        | 282016 | -0.93  |

ENTHALPY CONTINUING CALIBRATION FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466065 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 18:46 |
| Caldate: 14-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -11307         | 5642.8    | 1.000  | 1.023 | mg/L  | 2  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 769936 | -3.29  |
| Yttrium             | R  | 284653        | 273558 | -3.90  |

ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466066 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 18:49 |
| Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 793723 | -0.30  |
| Yttrium             | R  | 284653        | 281393 | -1.15  |

SAMPLE PREPARATION SUMMARY

|                 |                              |                  |
|-----------------|------------------------------|------------------|
| Batch #: 335396 | Prep Date: 14-MAR-2024 14:20 | Started By: MLL  |
| Analysis: ICP   | Method: 3050B                | Finished By: MLL |

| Sample          | Matrix | Initial | Final | Prep<br>DF | pH | Spike<br>S19373 | Spike<br>S19372 | Analysis |
|-----------------|--------|---------|-------|------------|----|-----------------|-----------------|----------|
| 504322-001      | Wipe   | 1 ft2   | 50 mL | 50.0       |    |                 |                 | 6010     |
| 504322-002      | Wipe   | 1 ft2   | 50 mL | 50.0       |    |                 |                 | 6010     |
| 504324-001      | Wipe   | 1 ft2   | 50 mL | 50.0       |    |                 |                 | 6010     |
| QC1136477 BLANK | Wipe   | 1 ft2   | 50 mL | 50.0       |    |                 |                 | ICP      |
| QC1136478 BS    | Wipe   | 1 ft2   | 50 mL | 50.0       |    | .5 mL           | .5 mL           | ICP      |
| QC1136479 BSD   | Wipe   | 1 ft2   | 50 mL | 50.0       |    | .5 mL           | .5 mL           | ICP      |

**Analyst:** RPS 03/15/24

**Reviewer:** KLN 03/15/24

# CONCLUSION

Prep Method: 3050B / 3051 / Other:

QC Batch #: 335396

Therm ID/Corr Factor 944785 / 0

١٠٠

HotBlock Temp (Obs/Cor), °C: 911 91

HotBlock ID: AB #3

[illegible]

Hydrochloric Acid ID: 10mL 24006607

Nitric Acid ID: 10mL 90236309009

H<sub>2</sub>O<sub>2</sub> ID: 3mL 3062502

LCS Spike ID: 0.5M 519372, 519373

MS/MSD Spike ID:

Gold Std ID:

## ICP Raw Data



Instrument: MET09  
Method: EPA 6010B

Begun: 03/14/24 15:06

| #   | File     | Type    | Sample ID  | Matrix   | Batch  | Analyzed       | IDF | Stds Used |                  |
|-----|----------|---------|------------|----------|--------|----------------|-----|-----------|------------------|
| 001 | icp data | ICALBLK |            |          |        | 03/14/24 15:06 | 1.0 |           |                  |
| 002 | icp data | ICAL    | L1         |          |        | 03/14/24 15:09 | 1.0 | 1         |                  |
| 003 | icp data | ICAL    | L2         |          |        | 03/14/24 15:12 | 1.0 | 2         |                  |
| 004 | icp data | ICAL    | L3         |          |        | 03/14/24 15:15 | 1.0 | 3         |                  |
| 005 | icp data | ICAL    | L4         |          |        | 03/14/24 15:18 | 1.0 | 4         |                  |
| 006 | icp data | ICAL    | L5         |          |        | 03/14/24 15:22 | 1.0 | 5         |                  |
| 007 | icp data | ICAL    | L6         |          |        | 03/14/24 15:25 | 1.0 | 6         |                  |
| 008 | icp data | ICAL    | L7         |          |        | 03/14/24 15:28 | 1.0 | 7         |                  |
| 009 | icp data | ICAL    | L8         |          |        | 03/14/24 15:31 | 1.0 | 8         |                  |
| 010 | icp data | XICV    |            |          |        | 03/14/24 15:37 | 1.0 | 9         |                  |
| 011 | icp data | ICV     |            |          |        | 03/14/24 15:40 | 1.0 | 9         |                  |
| 012 | icp data | ICB     |            |          |        | 03/14/24 15:43 | 1.0 |           |                  |
| 013 | icp data | CRI     |            |          |        | 03/14/24 15:46 | 1.0 | 10        |                  |
| 014 | icp data | ICSA    |            |          |        | 03/14/24 15:49 | 1.0 | 11        | 6:MGASMGCO3=1400 |
| 015 | icp data | ICSAB   |            |          |        | 03/14/24 15:52 | 1.0 | 12        | 6:MGASMGCO3=1400 |
| 016 | icp data | LCS     | QC1136326  | Water    | 335356 | 03/14/24 16:01 | 1.0 | 13        |                  |
| 017 | icp data | MSS     | 504304-001 | Water    | 335356 | 03/14/24 16:04 | 1.0 | 13        | 2:FEASFE2O3=31   |
| 018 | icp data | MS      | QC1136327  | Water    | 335356 | 03/14/24 16:07 | 1.0 | 13        | 2:FEASFE2O3=32   |
| 019 | icp data | MSD     | QC1136328  | Water    | 335356 | 03/14/24 16:10 | 1.0 | 13        | 2:FEASFE2O3=31   |
| 020 | icp data | SAMPLE  | 504359-001 | Water    | 335356 | 03/14/24 16:13 | 1.0 | 13        | 1:FE=28          |
| 021 | icp data | SAMPLE  | 504359-002 | Water    | 335356 | 03/14/24 16:16 | 1.0 | 13        | 1:FE=50          |
| 022 | icp data | SAMPLE  | 504359-003 | Water    | 335356 | 03/14/24 16:20 | 1.0 | 13        | 1:FE=52          |
| 023 | icp data | SAMPLE  | 504359-007 | Water    | 335356 | 03/14/24 16:23 | 1.0 | 13        |                  |
| 024 | icp data | SAMPLE  | 504359-008 | Water    | 335356 | 03/14/24 16:26 | 1.0 | 13        |                  |
| 025 | icp data | XCCV    |            |          |        | 03/14/24 16:29 | 1.0 | 9         |                  |
| 026 | icp data | CCV     |            |          |        | 03/14/24 16:33 | 1.0 | 9         |                  |
| 027 | icp data | CCB     |            |          |        | 03/14/24 16:37 | 1.0 |           |                  |
| 028 | icp data | BLANK   | QC1136447  | Soil     | 335389 | 03/14/24 16:40 | 1.0 | 13        |                  |
| 029 | icp data | LCS     | QC1136448  | Soil     | 335389 | 03/14/24 16:43 | 1.0 | 13        |                  |
| 030 | icp data | SAMPLE  | 504102-031 | Soil     | 335389 | 03/14/24 16:46 | 1.0 | 13        | 3:PB=250         |
| 031 | icp data | SAMPLE  | 504102-032 | Soil     | 335389 | 03/14/24 16:49 | 1.0 | 13        | 2:FE=66          |
| 032 | icp data | SAMPLE  | 504102-046 | Soil     | 335389 | 03/14/24 16:52 | 1.0 | 13        | 3:AL=200         |
| 033 | icp data | SAMPLE  | 504102-047 | Soil     | 335389 | 03/14/24 16:55 | 1.0 | 13        | 3:AL=300         |
| 034 | icp data | SAMPLE  | 504102-067 | Soil     | 335389 | 03/14/24 16:59 | 1.0 | 13        | 3:AL=240         |
| 035 | icp data | SAMPLE  | 504102-068 | Soil     | 335389 | 03/14/24 17:02 | 1.0 | 13        | 3:AL=220         |
| 036 | icp data | SAMPLE  | 504102-072 | Soil     | 335389 | 03/14/24 17:05 | 1.0 | 13        | 3:AL=230         |
| 037 | icp data | SAMPLE  | 504102-073 | Soil     | 335389 | 03/14/24 17:08 | 1.0 | 13        | 3:FE=300         |
| 038 | icp data | XCCV    |            |          |        | 03/14/24 17:11 | 1.0 | 9         |                  |
| 039 | icp data | CCV     |            |          |        | 03/14/24 17:17 | 1.0 | 9         |                  |
| 040 | icp data | CCB     |            |          |        | 03/14/24 17:20 | 1.0 |           |                  |
| 041 | icp data | SAMPLE  | 504323-001 | Miscell. | 335389 | 03/14/24 17:26 | 1.0 | 13        | 2:FE=36          |
| 042 | icp data | MSS     | 504366-001 | Soil     | 335389 | 03/14/24 17:29 | 1.0 | 13        | 5:MGASMGCO3=410  |
| 043 | icp data | MS      | QC1136449  | Soil     | 335389 | 03/14/24 17:32 | 1.0 | 13        | 6:ALASAL2O3=410  |
| 044 | icp data | MSD     | QC1136450  | Soil     | 335389 | 03/14/24 17:35 | 1.0 | 13        | 6:MGASMGCO3=430  |
| 045 | icp data | PDS     | QC1136451  | Soil     | 335389 | 03/14/24 17:38 | 1.0 | 13        | 6:MGASMGCO3=400  |
| 046 | icp data | SAMPLE  | 504366-002 | Soil     | 335389 | 03/14/24 17:41 | 1.0 | 13        | 2:FE=220         |
| 047 | icp data | SAMPLE  | 504366-003 | Soil     | 335389 | 03/14/24 17:45 | 1.0 | 13        | 2:FE=200         |
| 048 | icp data | BLANK   | QC1136477  | Wipe     | 335396 | 03/14/24 17:48 | 1.0 | 13        |                  |
| 049 | icp data | BS      | QC1136478  | Wipe     | 335396 | 03/14/24 17:51 | 1.0 | 13        |                  |
| 050 | icp data | BSD     | QC1136479  | Wipe     | 335396 | 03/14/24 17:54 | 1.0 | 13        |                  |
| 051 | icp data | XCCV    |            |          |        | 03/14/24 17:57 | 1.0 | 9         |                  |
| 052 | icp data | XCCV    |            |          |        | 03/14/24 18:00 | 1.0 | 9         |                  |
| 053 | icp data | CCV     |            |          |        | 03/14/24 18:06 | 1.0 | 9         |                  |
| 054 | icp data | CCB     |            |          |        | 03/14/24 18:09 | 1.0 |           |                  |
| 055 | icp data | SAMPLE  | 504322-001 | Wipe     | 335396 | 03/14/24 18:15 | 1.0 | 13        | 1:FE=47          |

Instrument: MET09  
Method: EPA 6010B

Begun: 03/14/24 15:06

| #   | File     | Type   | Sample ID  | Matrix         | Batch  | Analyzed       | IDF  | Stds Used |                  |
|-----|----------|--------|------------|----------------|--------|----------------|------|-----------|------------------|
| 056 | icp data | SAMPLE | 504322-002 | Wipe           | 335396 | 03/14/24 18:18 | 1.0  | 13        | 1:FE=47          |
| 057 | icp data | SAMPLE | 504324-001 | Wipe           | 335396 | 03/14/24 18:21 | 1.0  | 13        | 1:FE=74          |
| 058 | icp data | BLANK  | QC1136512  | WET Leachate   | 335408 | 03/14/24 18:24 | 1.0  | 13        |                  |
| 059 | icp data | BS     | QC1136513  | WET Leachate   | 335408 | 03/14/24 18:27 | 1.0  | 13        |                  |
| 060 | icp data | BSD    | QC1136514  | WET Leachate   | 335408 | 03/14/24 18:30 | 1.0  | 13        |                  |
| 061 | icp data | SAMPLE | 501645-001 | WET Leachate   | 335408 | 03/14/24 18:33 | 1.0  | 13        |                  |
| 062 | icp data | BLANK  | QC1136401  | TCLP Leachate  | 335375 | 03/14/24 18:36 | 1.0  | 13        | 1:NA=1000        |
| 063 | icp data | BLANK  | QC1136515  | TCLP Leachate  | 335375 | 03/14/24 18:39 | 1.0  | 13        | 1:NA=1100        |
| 064 | icp data | SAMPLE | 504102-031 | Soil           | 335389 | 03/14/24 18:43 | 50.0 | 13        |                  |
| 065 | icp data | CCV    |            |                |        | 03/14/24 18:46 | 1.0  | 9         |                  |
| 066 | icp data | CCB    |            |                |        | 03/14/24 18:49 | 1.0  |           |                  |
| 067 | icp data | BLANK  | QC1136243  | Soil           | 335335 | 03/14/24 18:52 | 1.0  | 13        |                  |
| 068 | icp data | LCS    | QC1136244  | Soil           | 335335 | 03/14/24 18:55 | 1.0  | 13        |                  |
| 069 | icp data | SAMPLE | 504127-010 | Soil           | 335335 | 03/14/24 18:58 | 1.0  | 13        | 2:FE=150         |
| 070 | icp data | SAMPLE | 504127-011 | Soil           | 335335 | 03/14/24 19:01 | 1.0  | 13        | 3:FE=200         |
| 071 | icp data | MSS    | 504157-001 | Miscell.       | 335335 | 03/14/24 19:04 | 1.0  | 13        | 7:CAASCACO3=1800 |
| 072 | icp data | MS     | QC1136245  | Miscell.       | 335335 | 03/14/24 19:08 | 1.0  | 13        | 7:CAASCACO3=1900 |
| 073 | icp data | MSD    | QC1136246  | Miscell.       | 335335 | 03/14/24 19:11 | 1.0  | 13        | 7:CAASCACO3=1900 |
| 074 | icp data | PDS    | QC1136247  | Miscell.       | 335335 | 03/14/24 19:14 | 1.0  | 13        | 7:CAASCACO3=1800 |
| 075 | icp data | SAMPLE | 504157-002 | Miscell.       | 335335 | 03/14/24 19:17 | 1.0  | 13        | 3:FE=260         |
| 076 | icp data | SAMPLE | 504201-001 | Miscell.       | 335335 | 03/14/24 19:20 | 1.0  | 13        | 2:FE=150         |
| 077 | icp data | CCV    |            |                |        | 03/14/24 19:23 | 1.0  | 9         |                  |
| 078 | icp data | CCB    |            |                |        | 03/14/24 19:26 | 1.0  |           |                  |
| 079 | icp data | SAMPLE | 504201-002 | Miscell.       | 335335 | 03/14/24 19:29 | 1.0  | 13        | 2:FE=120         |
| 080 | icp data | SAMPLE | 504201-003 | Miscell.       | 335335 | 03/14/24 19:33 | 1.0  | 13        | 2:FE=130         |
| 081 | icp data | SAMPLE | 504201-016 | Soil           | 335335 | 03/14/24 19:36 | 1.0  | 13        | 2:FE=160         |
| 082 | icp data | SAMPLE | 504201-017 | Soil           | 335335 | 03/14/24 19:39 | 1.0  | 13        | 2:FE=170         |
| 083 | icp data | SAMPLE | 504201-018 | Soil           | 335335 | 03/14/24 19:42 | 1.0  | 13        | 2:FE=160         |
| 084 | icp data | SAMPLE | 504237-001 | Miscell.       | 335335 | 03/14/24 19:45 | 1.0  | 13        | 3:FE=230         |
| 085 | icp data | SAMPLE | 504270-001 | Soil           | 335335 | 03/14/24 19:48 | 1.0  | 13        | 2:AL=270         |
| 086 | icp data | SAMPLE | 504270-002 | Soil           | 335335 | 03/14/24 19:51 | 1.0  | 13        | 2:AL=240         |
| 087 | icp data | SAMPLE | 504270-003 | Soil           | 335335 | 03/14/24 19:54 | 1.0  | 13        | 2:FE=220         |
| 088 | icp data | SAMPLE | 504270-004 | Soil           | 335335 | 03/14/24 19:57 | 1.0  | 13        | 3:FE=240         |
| 089 | icp data | CCV    |            |                |        | 03/14/24 20:01 | 1.0  | 9         |                  |
| 090 | icp data | CCB    |            |                |        | 03/14/24 20:04 | 1.0  |           |                  |
| 091 | icp data | SAMPLE | 504290-005 | Soil           | 335335 | 03/14/24 20:07 | 1.0  | 13        | 2:FE=210         |
| 092 | icp data | SAMPLE | 504293-001 | Soil           | 335335 | 03/14/24 20:10 | 1.0  | 13        | 2:AL=93          |
| 093 | icp data | SAMPLE | 504293-002 | Soil           | 335335 | 03/14/24 20:13 | 1.0  | 13        | 2:AL=98          |
| 094 | icp data | SAMPLE | 504293-003 | Soil           | 335335 | 03/14/24 20:16 | 1.0  | 13        | 2:AL=110         |
| 095 | icp data | SAMPLE | 504293-004 | Soil           | 335335 | 03/14/24 20:19 | 1.0  | 13        | 2:AL=120         |
| 096 | icp data | BLANK  | QC1136523  | Drinking Water | 335411 | 03/14/24 20:22 | 1.0  | 13        |                  |
| 097 | icp data | LCS    | QC1136524  | Drinking Water | 335411 | 03/14/24 20:26 | 1.0  | 13        |                  |
| 098 | icp data | MSS    | 504283-001 | Drinking Water | 335411 | 03/14/24 20:29 | 1.0  | 13        |                  |
| 099 | icp data | MS     | QC1136525  | Drinking Water | 335411 | 03/14/24 20:32 | 1.0  | 13        |                  |
| 100 | icp data | MSD    | QC1136526  | Drinking Water | 335411 | 03/14/24 20:35 | 1.0  | 13        |                  |
| 101 | icp data | CCV    |            |                |        | 03/14/24 20:38 | 1.0  | 9         |                  |
| 102 | icp data | CCB    |            |                |        | 03/14/24 20:41 | 1.0  |           |                  |
| 103 | icp data | SAMPLE | 504326-001 | Drinking Water | 335411 | 03/14/24 20:44 | 1.0  | 13        |                  |
| 104 | icp data | SAMPLE | 504342-001 | Drinking Water | 335411 | 03/14/24 20:47 | 1.0  | 13        |                  |
| 105 | icp data | SAMPLE | 504342-003 | Drinking Water | 335411 | 03/14/24 20:50 | 1.0  | 13        |                  |
| 106 | icp data | SAMPLE | 504342-004 | Drinking Water | 335411 | 03/14/24 20:54 | 1.0  | 13        |                  |
| 107 | icp data | SAMPLE | 504342-006 | Drinking Water | 335411 | 03/14/24 20:57 | 1.0  | 13        |                  |
| 108 | icp data | SAMPLE | 504342-007 | Drinking Water | 335411 | 03/14/24 21:00 | 1.0  | 13        |                  |
| 109 | icp data | BLANK  | QC1136329  | Water          | 335358 | 03/14/24 21:03 | 1.0  | 13        |                  |
| 110 | icp data | LCS    | QC1136330  | Water          | 335358 | 03/14/24 21:06 | 1.0  | 13        |                  |

Instrument: MET09

Begun: 03/14/24 15:06

Method: EPA 6010B

| #   | File     | Type   | Sample ID  | Matrix | Batch  | Analyzed       | IDF | Stds Used |           |
|-----|----------|--------|------------|--------|--------|----------------|-----|-----------|-----------|
| 111 | icp data | MSS    | 504233-001 | Water  | 335358 | 03/14/24 21:09 | 1.0 | 13        |           |
| 112 | icp data | MS     | QC1136331  | Water  | 335358 | 03/14/24 21:12 | 1.0 | 13        |           |
| 113 | icp data | CCV    |            |        |        | 03/14/24 21:15 | 1.0 | 9         |           |
| 114 | icp data | CCB    |            |        |        | 03/14/24 21:19 | 1.0 |           |           |
| 115 | icp data | MSD    | QC1136332  | Water  | 335358 | 03/14/24 21:22 | 1.0 | 13        |           |
| 116 | icp data | SAMPLE | 504233-002 | Water  | 335358 | 03/14/24 21:25 | 1.0 | 13        |           |
| 117 | icp data | SAMPLE | 504302-001 | Water  | 335358 | 03/14/24 21:28 | 1.0 | 13        |           |
| 118 | icp data | SAMPLE | 504358-001 | Water  | 335358 | 03/14/24 21:31 | 1.0 | 13        |           |
| 119 | icp data | SAMPLE | 504358-002 | Water  | 335358 | 03/14/24 21:34 | 1.0 | 13        | 1:NA=1600 |
| 120 | icp data | SAMPLE | 504358-003 | Water  | 335358 | 03/14/24 21:37 | 1.0 | 13        | 1:NA=1100 |
| 121 | icp data | SAMPLE | 504358-004 | Water  | 335358 | 03/14/24 21:40 | 1.0 | 13        |           |
| 122 | icp data | SAMPLE | 504358-005 | Water  | 335358 | 03/14/24 21:43 | 1.0 | 13        |           |
| 123 | icp data | BLANK  | QC1136333  | Water  | 335359 | 03/14/24 21:47 | 1.0 | 13        |           |
| 124 | icp data | LCS    | QC1136334  | Water  | 335359 | 03/14/24 21:50 | 1.0 | 13        |           |
| 125 | icp data | CCV    |            |        |        | 03/14/24 21:53 | 1.0 | 9         |           |
| 126 | icp data | CCB    |            |        |        | 03/14/24 21:56 | 1.0 |           |           |
| 127 | icp data | MSS    | 504362-001 | Water  | 335359 | 03/14/24 21:59 | 1.0 | 13        |           |
| 128 | icp data | MS     | QC1136335  | Water  | 335359 | 03/14/24 22:02 | 1.0 | 13        |           |
| 129 | icp data | MSD    | QC1136336  | Water  | 335359 | 03/14/24 22:05 | 1.0 | 13        |           |
| 130 | icp data | SAMPLE | 504365-001 | Water  | 335359 | 03/14/24 22:08 | 1.0 | 13        |           |
| 131 | icp data | CCV    |            |        |        | 03/14/24 22:12 | 1.0 | 9         |           |
| 132 | icp data | CCB    |            |        |        | 03/14/24 22:15 | 1.0 |           |           |

RPS 03/15/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 132.

## Standards Used:

1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20134 8=S19713 9=S20103 10=S20132 11=S20136 12=S20133 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: MET09          | Lab ID: 504324-001   | Client ID: ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-L-LA |
| Seqnum: 674107466057 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: icp data       | Batch: 335396        | Time: 14-MAR-2024 18:21                                  |
| Cal: 674107466001    | Caldate: 14-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: mg/L      | Units: ug/ft2                                            |

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags  |
|---------|----|--------|--------|------|-------|--------|
| Lead    | A  | 0.2239 | 11     | 0.50 |       | !<a+ u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 796142        | 737323       | -7.39  |

!=warning +=high bias <=opening a=ICSA u=use

|                   |                      |              |      |                              |        |
|-------------------|----------------------|--------------|------|------------------------------|--------|
| Label:            | 504324-001.335396    | Rack/Tube:   | 1:32 | Type:                        | Sample |
| Date Time:        | 3/14/2024 6:21:15 PM | Weight:      | 1    | Volume:                      | 1      |
| Dilution:         | 1                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -      |
| LIMS ID:          |                      | Customer:    |      | Customer Ref.:               |        |
| Sample Date Time: |                      | Sample Site: |      | Description:                 |        |
| Replicates:       | 3                    |              |      |                              |        |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-------------------------|
| Ag 328.068 | Ag            | nu    | -0.00008137     | -0.00008137   | mg/L  | 465.64926963     | 0.00044208       | 543.32504347        | 31.12945326     | 6.69            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123           |
| Al 396.152 | Al            | n     | 2.83428812      | 2.83428812    | mg/L  | 90026.84087524   | 0.11827825       | 4.17312012          | 3700.98688563   | 4.11            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569           |
| As 188.980 | As            | n     | 0.04184612      | 0.04184612    | mg/L  | 196.72368054     | 0.00112769       | 2.69485347          | 4.42261801      | 2.25            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029           |
| B 249.678  | B             | n     | 0.01527719      | 0.01527719    | mg/L  | 603.93242950     | 0.00025964       | 1.69954289          | 8.78753523      | 1.46            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.7700575           |
| Ba 230.424 | Ba            | n     | 0.01452300      | 0.01452300    | mg/L  | 1418.98322890    | 0.00059131       | 4.07156500          | 48.11577108     | 3.39            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987886           |
| Be 313.107 | Be            | n     | 0.00007687      | 0.00007687    | mg/L  | 138.09907958     | 0.00001045       | 13.59774283         | 22.16014011     | 16.05           | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4975110483882           | 2120164.70746           |
| Ca 317.933 | Ca-R          | n     | 8.90013221      | 8.90013221    | mg/L  | 154884.29641327  | 0.04089853       | 0.45952726          | 701.12598210    | 0.45            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891           |
| Cd 214.439 | Cd            | nu    | -0.00015320     | -0.00015320   | mg/L  | 145.96247132     | 0.00007347       | 47.95756777         | 10.77611981     | 7.38            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129           |
| Co 230.786 | Co            | n     | 0.01070672      | 0.01070672    | mg/L  | 681.22911401     | 0.00017558       | 1.63994582          | 5.87510825      | 0.86            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700           |
| Cr 267.716 | Cr            | n     | 0.03800890      | 0.03800890    | mg/L  | 2406.54337180    | 0.00114468       | 3.01159981          | 62.68869110     | 2.60            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626           |
| Cu 324.754 | Cu            | n     | 0.30731076      | 0.30731076    | mg/L  | 11081.38888350   | 0.01290987       | 4.20091841          | 448.31730719    | 4.05            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341           |
| Fe 259.940 | Fe            | no    | 73.66069934     | 73.66069934   | mg/L  | 3825594.46694949 | 2.73517822       | 3.71321239          | 142049.62243803 | 3.71            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025           |
| K 766.491  | K-R           | n     | 3.05703758      | 3.05703758    | mg/L  | 5939.49715020    | 0.02165727       | 0.70843967          | 42.99314787     | 0.72            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354           |
| Li 670.783 | Li-R          | n     | 0.00313890      | 0.00313890    | mg/L  | 361.00357369     | 0.00066564       | 21.20623448         | 93.12752048     | 25.80           | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327           |
| Mg 279.800 | Mg-R          | n     | 4.57788394      | 4.57788394    | mg/L  | 13265.59840023   | 0.03183184       | 0.69533965          | 90.93360151     | 0.69            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752           |
| Mn 257.610 | Mn            | n     | 0.52034871      | 0.52034871    | mg/L  | 204821.71690918  | 0.01777495       | 3.41596834          | 6975.95421982   | 3.41            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.910020           |
| Mo 204.598 | Mo            | n     | 0.00246185      | 0.00246185    | mg/L  | 22.85441056      | 0.00137253       | 55.75202588         | 9.30087168      | 40.70           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730           |
| Na 589.592 | Na-R          | n     | 3.89420280      | 3.89420280    | mg/L  | 54849.63815125   | 0.01947631       | 0.50013593          | 269.85209901    | 0.49            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503           |
| Ni 231.604 | Ni            | n     | 0.07275840      | 0.07275840    | mg/L  | 1464.43698221    | 0.00275723       | 3.78957288          | 52.69908613     | 3.60            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747           |
| P 177.434  | P             | n     | 0.81359297      | 0.81359297    | mg/L  | 2599.06089804    | 0.02593744       | 3.18801129          | 82.50965820     | 3.17            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393           |
| Pb 220.353 | Pb            | n     | 0.22385716      | 0.22385716    | mg/L  | 1042.20813942    | 0.00881511       | 3.93782722          | 50.80284212     | 4.87            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592256           |
| S 181.972  | S             | n     | 3.25298817      | 3.25298817    | mg/L  | 5774.94026614    | 0.06478970       | 1.99169793          | 114.64223846    | 1.99            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625           |
| Sb 206.834 | Sb            | nu    | -0.00107722     | -0.00107722   | mg/L  | -27.17444921     | 0.00277165       | 257.29622451        | 6.36481502      | 23.42           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665           |
| Se 196.026 | Se            | n     | 0.01080424      | 0.01080424    | mg/L  | 75.86892695      | 0.00233128       | 21.57748830         | 6.37200509      | 8.40            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529           |
| Si 251.611 | Si            | n     | 5.78948738      | 5.78948738    | mg/L  | 43172.85074040   | 0.23234933       | 4.01329706          | 1729.57189443   | 4.01            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365           |
| Sn 189.925 | Sn            | n     | 0.07267461      | 0.07267461    | mg/L  | 630.54156087     | 0.00365448       | 5.02854800          | 30.24017523     | 4.80            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517           |
| Sr 421.552 | Sr-R          | n     | 0.01741199      | 0.01741199    | mg/L  | 10119.52684407   | 0.00004875       | 0.27996517          | 27.95378548     | 0.28            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850           |
| Ti 334.941 | Ti            | n     | 0.18211747      | 0.18211747    | mg/L  | 57310.17440782   | 0.00606627       | 3.33096399          | 1892.41587382   | 3.30            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056           |
| Tl 190.794 | Tl            | nu    | -0.00609407     | -0.00609407   | mg/L  | -23.85931674     | 0.00203469       | 33.38806108         | 4.96700246      | 20.82           | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799135           |
| V 292.401  | V             | n     | 0.01214829      | 0.01214829    | mg/L  | 340.97169085     | 0.00029484       | 2.42703171          | 9.29897813      | 2.73            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532           |
| Zn 206.200 | Zn            | n     | 10.36545208     | 10.36545208   | mg/L  | 453098.47643184  | 0.36724569       | 3.54297805          | 16015.99255482  | 3.53            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.1107371           |
| Y 371.029  | Y             |       | 0.93            | 0.93          | Ratio | 737322.97        | 0.02             | 2.28                | 16793.81        | 2.28            |             | -                 | -               | -                       | Fitted                | -                           | -                       |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 263123.84        | 0.00             | 0.43                | 1136.01         | 0.43            |             | -                 | -               | -                       | Fitted                | -                           | -                       |

ENTHALPY BLANK USER REPORT FOR 504324 METALS Wipe  
EPA 6010B

|                        |                      |                         |
|------------------------|----------------------|-------------------------|
| Inst: MET09            | Lab ID: QC1136477    |                         |
| Seqnum: 674107466048.2 | Matrix: Wipe         |                         |
| File: icp data         | Batch: 335396        | Time: 14-MAR-2024 17:48 |
| Cal: 674107466001      | Caldate: 14-MAR-2024 |                         |
| IDF: 1.0               | Raw Units: mg/L      | Units: ug/ft2           |

• 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw       | Result | RL   | Flags |
|---------|----|-----------|--------|------|-------|
| Lead    | A  | -0.001464 | ND     | 0.50 | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BLANK Abund | %Drift |
|---------------------|----|---------------|-------------|--------|
| Yttrium             | A  | 796142        | 734410      | -7.75  |

u=use

|                                 |                 |                                |
|---------------------------------|-----------------|--------------------------------|
| Label: BLANK, QC1136477, 335396 | Rack/Tube: 1:27 | Type: Sample                   |
| Date Time: 3/14/2024 5:48:10 PM | Weight: 1       | Volume: 1                      |
| Dilution: 1                     | %RSE limit: -   | Calibration Coefficient (3): - |
| LIMS ID:                        | Customer:       | Customer Ref.:                 |
| Sample Date Time:               | Sample Site:    | Description:                   |
| Replicates: 3                   |                 |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity       | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00001118     | -0.00001118   | mg/L  | 477.14340713    | 0.00059532       | 5327.03519302       | 41.92020084   | 8.79            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.38101234              |
| Al 396.152 | Al            | n     | 0.01485459      | 0.01485459    | mg/L  | 1532.99298262   | 0.00444673       | 29.93509572         | 139.14059049  | 9.08            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.51155694              |
| As 188.980 | As            | n     | 0.00250353      | 0.00250353    | mg/L  | 36.77445440     | 0.00095050       | 37.96630688         | 3.72768816    | 10.14           | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.832760294              |
| B 249.678  | B             | n     | 0.00023418      | 0.00023418    | mg/L  | 137.35070143    | 0.00011988       | 51.19386261         | 4.05745509    | 2.95            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.77005754              |
| Ba 230.424 | Ba            | n     | 0.00441896      | 0.00441896    | mg/L  | 597.75704417    | 0.00026652       | 6.03131129          | 21.68707924   | 3.63            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.99878884              |
| Be 313.107 | Be            | n     | 0.00007255      | 0.00007255    | mg/L  | 137.10110794    | 0.00001077       | 14.84501343         | 22.83429350   | 16.66           | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.707484              |
| Ca 317.933 | Ca-R          | n     | 0.02304611      | 0.02304611    | mg/L  | 2560.76569301   | 0.00088864       | 3.85593765          | 15.23407158   | 0.59            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.05898914              |
| Cd 214.439 | Cd            | n     | 0.00011085      | 0.00011085    | mg/L  | 40.44142084     | 0.00001467       | 13.23621444         | 2.15216182    | 5.32            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.7821294              |
| Co 230.786 | Co            | nu    | -0.00015426     | -0.00015426   | mg/L  | 254.57125396    | 0.00019618       | 127.17425378        | 6.56415113    | 2.58            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.29617004              |
| Cr 267.716 | Cr            | n     | 0.00079303      | 0.00079303    | mg/L  | 353.21490691    | 0.00036086       | 45.50408018         | 19.76266803   | 5.60            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.44096264              |
| Cu 324.754 | Cu            | n     | 0.00218341      | 0.00218341    | mg/L  | 509.74943026    | 0.00071007       | 32.52132499         | 24.65849732   | 4.84            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.69763414              |
| Fe 259.940 | Fe            | n     | 2.05099998      | 2.05099998    | mg/L  | 106581.60763089 | 0.06070162       | 2.95961095          | 3152.49738518 | 2.96            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.32060254              |
| K 766.491  | K-R           | n     | 0.20990674      | 0.20990674    | mg/L  | 263.56331713    | 0.03374511       | 16.07623892         | 66.98945404   | 25.42           | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.160363544              |
| Li 670.783 | Li-R          | n     | 0.00090436      | 0.00090436    | mg/L  | -12.66736139    | 0.00029331       | 32.43242825         | 41.03528754   | > 100.00        | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.0683274              |
| Mg 279.800 | Mg-R          | n     | 0.01022027      | 0.01022027    | mg/L  | 83.90061235     | 0.00118110       | 11.55649209         | 3.37404558    | 4.02            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.686757524              |
| Mn 257.610 | Mn            | n     | 0.01410506      | 0.01410506    | mg/L  | 5883.56140127   | 0.00048633       | 3.44792323          | 190.86565358  | 3.24            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.9100204              |
| Mo 204.598 | Mo            | n     | 0.00238817      | 0.00238817    | mg/L  | 16.19766910     | 0.00084907       | 35.55329802         | 5.75369772    | 35.52           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.432327304              |
| Na 589.592 | Na-R          | n     | 0.07489096      | 0.07489096    | mg/L  | 2039.49295489   | 0.01297863       | 17.33003452         | 179.82414948  | 8.82            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.40355034              |
| Ni 231.604 | Ni            | nu    | -0.00006240     | -0.00006240   | mg/L  | 57.49365221     | 0.00009157       | 146.74753895        | 1.75008892    | 3.04            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.03717474              |
| P 177.434  | P             | n     | 0.02700874      | 0.02700874    | mg/L  | 92.80067439     | 0.00253605       | 9.38975313          | 8.06744799    | 8.69            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.103153934              |
| Pb 220.353 | Pb            | nu    | -0.00146370     | -0.00146370   | mg/L  | -257.77100200   | 0.00041479       | 28.33863241         | 2.39051192    | 0.93            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.155922584              |
| S 181.972  | S             | n     | 0.02273277      | 0.02273277    | mg/L  | 54.88071272     | 0.00340519       | 14.97921692         | 6.02532028    | 10.98           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.451656254              |
| Sb 206.834 | Sb            | n     | 0.00668111      | 0.00668111    | mg/L  | -20.12678099    | 0.00174358       | 26.09720099         | 4.00395880    | 19.89           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.397066654              |
| Se 196.026 | Se            | n     | 0.00112224      | 0.00112224    | mg/L  | 62.13180731     | 0.00037716       | 33.60751568         | 1.03086496    | 1.66            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.259905294              |
| Si 256.611 | Si            | n     | 0.10225854      | 0.10225854    | mg/L  | 842.02964696    | 0.01309397       | 12.80476975         | 97.46946354   | 11.58           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.842943654              |
| Sn 189.925 | Sn            | n     | 0.03034603      | 0.03034603    | mg/L  | 280.68480999    | 0.00036251       | 1.19459165          | 2.99971727    | 1.07            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.827855174              |
| Sr 421.552 | Sr-R          | n     | 0.00011315      | 0.00011315    | mg/L  | 87.76998421     | 0.00003872       | 34.22468046         | 22.20625442   | 25.30           | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.3878504              |
| Ti 334.941 | Ti            | n     | 0.00327646      | 0.00327646    | mg/L  | 1500.51272800   | 0.00084823       | 25.88846054         | 264.61025926  | 17.63           | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.2230564              |
| Tl 190.794 | Tl            | n     | 0.00241165      | 0.00241165    | mg/L  | -2.05680907     | 0.00097112       | 40.26805607         | 2.37066874    | > 100.00        | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.157991394              |
| V 292.401  | V             | n     | 0.00043321      | 0.00043321    | mg/L  | 17.32269992     | 0.00021693       | 50.07522484         | 6.84173322    | 39.50           | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.77295324              |
| Zn 206.200 | Zn            | n     | 0.01044443      | 0.01044443    | mg/L  | 511.71121070    | 0.00041992       | 4.02047867          | 18.31301449   | 3.58            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.11073714              |
| Y 371.029  | Y             |       | 0.92            | 0.92          | Ratio | 734410.42       | 0.02             | 2.66                | 19537.65      | 2.66            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.93            | 0.93          | Ratio | 265883.16       | 0.00             | 0.49                | 1291.82       | 0.49            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY SPIKE USER REPORT FOR 504324 METALS Wipe  
EPA 6010B

|                         |                         |
|-------------------------|-------------------------|
| Type: BS                | Type: BSD               |
| Inst: MET09             | Inst: MET09             |
| Seqnum: 674107466049.2  | Seqnum: 674107466050.2  |
| File: icp data          | File: icp data          |
| IDF: 1.0                | IDF: 1.0                |
| Lab ID: QC1136478       | Lab ID: QC1136479       |
| Matrix: Wipe            | Matrix: Wipe            |
| Batch: 335396           | Batch: 335396           |
| Time: 14-MAR-2024 17:51 | Time: 14-MAR-2024 17:54 |
| Cal: 674107466001       | Cal: 674107466001       |
| Units: ug/ft2           |                         |

- BS: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags  |
|---------|--------|--------|-----------|----|------|---------|------------|----|------|--------|-----|-----|--------|
| Lead    | 50.00  | 0.9903 | 49.52     | A  | 99   | 0.9922  | 49.61      | A  | 99   | 80-120 | 0   | 20  | !<a+ u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BS Abund | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | A  | 796142        | 740875   | -6.94  |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BSD Abund | %Drift |
|---------------------|----|---------------|-----------|--------|
| Yttrium             | A  | 796142        | 741730    | -6.83  |

!=warning +=high bias <=opening a=ICSA u=use



Type: Sample

Volume: 1

Calibration Coefficient [3]: -

Customer Ref.: \_\_\_\_\_

**Description:**

**Flags Replicate 2:**

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.47215280      | 0.47215280    | mg/L  | 33725.35382887   | 0.02534083       | 5.36708205          | 1784.40941151  | 5.29            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.38101236              |
| Al 396.152 | Al            | n     | 0.96552566      | 0.96552566    | mg/L  | 31279.51601733   | 0.04104257       | 4.25800078          | 1284.24308727  | 4.11            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.511556929             |
| As 188.980 | As            | n     | 0.93563227      | 0.93563227    | mg/L  | 3695.23654279    | 0.04102588       | 4.88690508          | 160.89664085   | 4.35            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.8327602938             |
| B 249.678  | B             | n     | 0.91576845      | 0.91576845    | mg/L  | 31124.12207615   | 0.03891473       | 4.24940675          | 1317.05995845  | 4.23            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | n     | 0.97800724      | 0.97800724    | mg/L  | 79820.62318364   | 0.04992238       | 5.10449978          | 4062.23372362  | 5.09            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.998788838             |
| Be 313.107 | Be            | n     | 1.01658620      | 1.01658620    | mg/L  | 2155313.55068707 | 0.04643091       | 4.56733673          | 98441.18706592 | 4.57            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.7074855             |
| Ca 317.933 | Ca-R          | n     | 1.08896444      | 1.08896444    | mg/L  | 20842.21566360   | 0.00204664       | 0.18794386          | 35.08570136    | 0.17            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.058989122             |
| Cd 214.439 | Cd            | n     | 0.98825704      | 0.98825704    | mg/L  | 144975.71364483  | 0.04830293       | 4.88768940          | 7084.87066874  | 4.89            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129992            |
| Co 230.786 | Co            | n     | 1.01237012      | 1.01237012    | mg/L  | 34133.10450296   | 0.03999041       | 3.95017660          | 1338.09087722  | 3.92            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.296170075             |
| Cr 267.716 | Cr            | n     | 0.96895040      | 0.96895040    | mg/L  | 53374.78307172   | 0.043000784      | 4.43860071          | 2355.34328557  | 4.41            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.44096266              |
| Cu 324.754 | Cu            | n     | 0.99197374      | 0.99197374    | mg/L  | 34883.23054256   | 0.04855419       | 4.89470542          | 1686.12676683  | 4.83            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.69763416              |
| Fe 259.940 | Fe            | n     | 1.01869915      | 1.01869915    | mg/L  | 52972.06450742   | 0.04134942       | 4.05904146          | 2147.45408072  | 4.05            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.320602573             |
| K 766.491  | K-R           | n     | 10.08036738     | 10.08036738   | mg/L  | 19858.14888258   | 0.02666818       | 0.26455568          | 52.94062304    | 0.27            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.1603635499             |
| Li 670.783 | Li-R          | n     | 1.05897161      | 1.05897161    | mg/L  | 148016.57673368  | 0.00143751       | 0.13574563          | 201.11605213   | 0.14            | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.0683278              |
| Mg 279.800 | Mg-R          | n     | 1.05657003      | 1.05657003    | mg/L  | 3071.23848127    | 0.00304162       | 0.28787726          | 8.68896960     | 0.28            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.686757529              |
| Mn 257.610 | Mn            | n     | 1.00975867      | 1.00975867    | mg/L  | 396635.75135557  | 0.04656087       | 4.61108905          | 18273.27549738 | 4.61            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.9100206              |
| Mo 204.598 | Mo            | n     | 0.98345255      | 0.98345255    | mg/L  | 6664.34926595    | 0.05228690       | 0.51666698          | 354.31861901   | 5.32            | 3.74110007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.432327305              |
| Na 589.592 | Na-R          | n     | 1.63034212      | 1.63034212    | mg/L  | 23594.31536412   | 0.00762636       | 0.46777661          | 105.66628375   | 0.45            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.40355038              |
| Ni 231.604 | Ni            | n     | 0.99375518      | 0.99375518    | mg/L  | 19052.42139844   | 0.04241952       | 4.26860906          | 810.76593070   | 4.26            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.037174714             |
| P 177.434  | P             | n     | 0.02670038      | 0.02670038    | mg/L  | 91.77151952      | 0.00112240       | 4.20368406          | 3.57046941     | 3.89            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.103153933              |
| Pb 220.353 | Pb            | n     | 0.99032480      | 0.99032480    | mg/L  | 5455.78543173    | 0.05032198       | 5.08136083          | 290.01339620   | 5.32            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.1559225804             |
| S 181.972  | S             | n     | 0.01285082      | 0.01285082    | mg/L  | 37.50928074      | 0.00236377       | 18.39392375         | 4.18257794     | 11.15           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.451656257              |
| Sb 206.834 | Sb            | n     | 0.94126091      | 0.94126091    | mg/L  | 2125.85911260    | 0.04048770       | 4.30143246          | 92.97584108    | 4.37            | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.397066652              |
| Se 196.026 | Se            | n     | 0.86231398      | 0.86231398    | mg/L  | 2416.28327409    | 0.03040354       | 3.52580899          | 83.10078710    | 3.44            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.2599052963             |
| Si 251.611 | Si            | n     | 4.69748891      | 4.69748891    | mg/L  | 35048.42160599   | 0.20097127       | 4.27827019          | 1495.98855391  | 4.27            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.8429436555             |
| Sn 189.925 | Sn            | n     | 0.02676069      | 0.02676069    | mg/L  | 251.07531565     | 0.00233949       | 8.74225073          | 19.35884626    | 7.71            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.827855175              |
| Sr 421.552 | Sr-R          | n     | 1.10114327      | 1.10114327    | mg/L  | 631468.39443223  | 0.00423479       | 0.38458111          | 2428.39906844  | 0.38            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850505            |
| Ti 334.941 | Ti            | n     | 1.00010120      | 1.00010120    | mg/L  | 312467.42320227  | 0.05251018       | 5.25048687          | 16380.93070860 | 5.24            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056908            |
| Tl 190.794 | Tl            | n     | 1.05207161      | 1.05207161    | mg/L  | 2560.32838322    | 0.05804166       | 5.51689282          | 141.68887007   | 5.53            | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.157991399              |
| V 292.401  | V             | n     | 0.97986317      | 0.97986317    | mg/L  | 30907.57147013   | 0.04422566       | 4.51345291          | 1394.82313738  | 4.51            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.77295328              |
| Zn 206.200 | Zn            | n     | 0.98900088      | 0.98900088    | mg/L  | 43175.64443502   | 0.04356795       | 4.40524927          | 1900.04687479  | 4.40            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             |       | 0.93            | 0.93          | Ratio | 740874.59        | 0.02             | 2.67                | 19777.95       | 2.67            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.92            | 0.92          | Ratio | 26732.73         | 0.00             | 0.23                | 610.49         | 0.23            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Label: BSD, QC1136479, 335396

Rack/Tube: 1:29

Type: Sample

Date Time: 3/14/2024 5:54:24 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: \_\_\_\_\_

Customer: \_\_\_\_\_

Customer Ref.: \_\_\_\_\_

Sample Date Time: \_\_\_\_\_

Sample Site: \_\_\_\_\_

Description: \_\_\_\_\_

Replicates: 3

Flags Replicate 1: \_\_\_\_\_

Flags Replicate 2: \_\_\_\_\_

Flags Replicate 3: \_\_\_\_\_

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.47282526      | 0.47282526    | mg/L  | 33772.70650715   | 0.02326016       | 4.91939882          | 1637.89632016  | 4.85            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | n     | 0.96145053      | 0.96145053    | mg/L  | 31151.95920581   | 0.04060339       | 4.22313922          | 1270.50098004  | 4.08            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569293            |
| As 188.980 | As            | n     | 0.94088223      | 0.94088223    | mg/L  | 3716.88024320    | 0.03400171       | 3.61381170          | 133.34902877   | 3.59            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n     | 0.91632699      | 0.91632699    | mg/L  | 31143.02890019   | 0.04041308       | 4.41033367          | 1367.77132767  | 4.39            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | n     | 0.98007005      | 0.98007005    | mg/L  | 79988.46643819   | 0.04639124       | 4.73346171          | 3774.90156427  | 4.72            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n     | 1.01886064      | 1.01886064    | mg/L  | 2160135.73827691 | 0.04201674       | 4.12389453          | 89082.40542056 | 4.12            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748559            |
| Ca 317.933 | Ca-R          | n     | 1.08126716      | 1.08126716    | mg/L  | 20710.13556257   | 0.00805663       | 0.74510988          | 138.11525679   | 0.67            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n     | 0.99136514      | 0.99136514    | mg/L  | 145431.58253224  | 0.04213547       | 4.25024704          | 6180.25267571  | 4.25            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |
| Co 230.786 | Co            | n     | 1.00998267      | 1.00998267    | mg/L  | 34053.21322684   | 0.03878152       | 3.83982035          | 1297.64114332  | 3.81            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | n     | 0.97067529      | 0.97067529    | mg/L  | 53469.24412590   | 0.04098356       | 4.22216999          | 2244.48277587  | 4.20            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |
| Cu 324.754 | Cu            | n     | 0.99083803      | 0.99083803    | mg/L  | 34843.78637427   | 0.04570959       | 4.61322496          | 1587.34301620  | 4.56            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | n     | 1.01783425      | 1.01783425    | mg/L  | 52927.12756714   | 0.04218621       | 4.14470285          | 2190.91191272  | 4.14            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025738            |
| K 766.491  | K-R           | n     | 9.96238075      | 9.96238075    | mg/L  | 19623.92031115   | 0.05749206       | 0.57709153          | 114.13095040   | 0.58            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | n     | 1.04787985      | 1.04787985    | mg/L  | 146464.76790984  | 0.00868163       | 0.82849526          | 1214.61341134  | 0.83            | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |
| Mg 279.800 | Mg-R          | n     | 1.04976742      | 1.04976742    | mg/L  | 3051.79208825    | 0.00155181       | 0.14782387          | 4.43302598     | 0.15            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752919            |
| Mn 257.610 | Mn            | n     | 1.01010980      | 1.01010980    | mg/L  | 396773.52041679  | 0.04542539       | 4.49707436          | 17827.64406248 | 4.49            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | n     | 0.98469415      | 0.98469415    | mg/L  | 6672.76108413    | 0.04886478       | 4.96243272          | 331.12890671   | 4.96            | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | n     | 1.61078423      | 1.61078423    | mg/L  | 23323.33215755   | 0.01352073       | 0.83938831          | 187.33523410   | 0.80            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | n     | 0.99516486      | 0.99516486    | mg/L  | 19079.36125591   | 0.04065613       | 4.08536591          | 777.06204563   | 4.07            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |
| P 177.434  | P             | n     | 0.02659765      | 0.02659765    | mg/L  | 91.44429653      | 0.00122713       | 4.61368219          | 3.90363107     | 4.27            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | n     | 0.99223151      | 0.99223151    | mg/L  | 5466.80001071    | 0.04242815       | 4.27603364          | 244.52006182   | 4.47            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | n     | 0.02009311      | 0.02009311    | mg/L  | 50.32253619      | 0.00225562       | 11.22584749         | 3.99121354     | 7.93            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n     | 0.93735264      | 0.93735264    | mg/L  | 2116.88357862    | 0.03504834       | 3.73907714          | 80.48490086    | 3.80            | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665209            |
| Se 196.026 | Se            | n     | 0.86600712      | 0.86600712    | mg/L  | 2426.37768026    | 0.03380649       | 3.90371997          | 92.40193180    | 3.81            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529698            |
| Si 251.611 | Si            | n     | 4.68438638      | 4.68438638    | mg/L  | 34950.88738073   | 0.19381446       | 4.13745674          | 1442.72439845  | 4.13            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | n     | 0.02630652      | 0.02630652    | mg/L  | 247.31674836     | 0.00198471       | 7.54456921          | 16.42316426    | 6.64            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | n     | 1.10056373      | 1.10056373    | mg/L  | 631136.01870817  | 0.00714646       | 0.64934552          | 4098.06952251  | 0.65            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n     | 0.99969539      | 0.99969539    | mg/L  | 312340.82025353  | 0.04883105       | 4.88459265          | 15233.19800096 | 4.88            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | n     | 1.05350049      | 1.05350049    | mg/L  | 2563.81671402    | 0.04982989       | 4.72993536          | 121.64263960   | 4.74            | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | n     | 0.97933261      | 0.97933261    | mg/L  | 30890.84488110   | 0.04258856       | 4.34873289          | 1343.19090444  | 4.35            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532809            |
| Zn 206.200 | Zn            | n     | 0.99417550      | 0.99417550    | mg/L  | 43401.20844977   | 0.04125978       | 4.15015097          | 1799.38501442  | 4.15            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             |       | 0.93            | 0.93          | Ratio | 741730.08        | 0.03             | 2.85                | 21115.47       | 2.85            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.93            | 0.93          | Ratio | 265782.60        | 0.01             | 0.55                | 1474.54        | 0.55            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Instrument: MET09  
 Calibration #: 674107466001  
 Units: mg/L

Date: 14-MAR-2024 15:06  
 X Axis: R

| Level | File     | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------|--------------|-----------|-------------------|-----------|
| L1    | icp data | 674107466002 | L1        | 14-MAR-2024 15:09 | S19988    |
| L2    | icp data | 674107466003 | L2        | 14-MAR-2024 15:12 | S19987    |
| L3    | icp data | 674107466004 | L3        | 14-MAR-2024 15:15 | S19986    |
| L4    | icp data | 674107466005 | L4        | 14-MAR-2024 15:18 | S19985    |
| L5    | icp data | 674107466006 | L5        | 14-MAR-2024 15:22 | S19984    |
| L6    | icp data | 674107466007 | L6        | 14-MAR-2024 15:25 | S19983    |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.04433 | 1.76E-4 |    | -11307 | 1.000          |      | 7 | 0.995              |       |

*Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -68556 | -19542 | 3401.6 | 5608.8 | 5562.8 | 5680.5 |

| Spiked Amounts / Drifts | Ch | L1     | %D | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | 25 | 0.0100 | 0  | 0.1000 | 4  | 1.0000 | 3  | 5.0000 | -1 | 10.000 | 0  |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504324 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET09          | Cal Date: 14-MAR-2024 |
| Calnum: 674107466001 |                       |

- ICV 674107466011 (14-MAR-2024) stds: S20103

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.007 | mg/L  | 1  | 10  |       |

Label: ICALBLK

Rack/Tube: S1:1

Type: BLK

Date Time: 3/14/2024 3:06:27 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concns Replicate |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|------------------|
| Ag 328.068 | Ag            | n!    | 0.00000000      | 0.00000000    | mg/L  | 478.11399761  | -                | -                   | 3.30593391   | 0.69            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           | 0.0000           |
| Al 396.152 | Al            | n!    | 0.00000000      | 0.00000000    | mg/L  | 1003.19494554 | -                | -                   | 27.24759234  | 2.72            | 9.34047250  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 1066.31186745702            | 30605.0137889957            | 0.0000           |
| As 188.980 | As            | n!    | 0.00000000      | 0.00000000    | mg/L  | 26.98567466   | -                | -                   | 10.09403390  | 37.41           | 5.08219985  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.0053060095051            | 3888.20312014385            | 0.0000           |
| B 249.678  | B             | n!    | 0.00000000      | 0.00000000    | mg/L  | 151.04637238  | -                | -                   | 15.57945841  | 10.31           | 2.75337456  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 131.393119838262            | 33674.9183361295            | 0.0000           |
| Ba 230.424 | Ba            | n!    | 0.00000000      | 0.00000000    | mg/L  | 177.49325642  | -                | -                   | 14.31753566  | 8.07            | 3.89608307  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 236.564162017927            | 81909.8057635084            | 0.0000           |
| Be 313.107 | Be            | n!    | 0.00000000      | 0.00000000    | mg/L  | 11.04173985   | -                | -                   | 24.53625452  | > 100.00        | 8.66995314  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -14.3306580976354           | 2102309.84641201            | 0.0000           |
| Ca 317.933 | Ca-R          | n!    | 0.00000000      | 0.00000000    | mg/L  | 2161.77744026 | -                | -                   | 3.64622909   | 0.17            | 3.19900851  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.65621630653            | 17125.402151663             | 0.0000           |
| Cd 214.439 | Cd            | n!    | 0.00000000      | 0.00000000    | mg/L  | 19.62950940   | -                | -                   | 4.03253929   | 20.54           | 2.70146565  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 19.9501053803604            | 147385.217601372            | 0.0000           |
| Co 230.786 | Co            | n!    | 0.00000000      | 0.00000000    | mg/L  | 252.65820491  | -                | -                   | 5.85545148   | 2.32            | 5.65837252  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 257.918458864132            | 33512.7212277361            | 0.0000           |
| Cr 267.716 | Cr            | n!    | 0.00000000      | 0.00000000    | mg/L  | 317.54993250  | -                | -                   | 12.29920621  | 3.87            | 1.84945489  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 309.380553900887            | 54770.4247064522            | 0.0000           |
| Cu 324.754 | Cu            | n!    | 0.00000000      | 0.00000000    | mg/L  | 491.39519529  | -                | -                   | 32.04053683  | 6.52            | 19.03144677 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 439.812578206539            | 34041.5056277143            | 0.0000           |
| Fe 259.940 | Fe            | n!    | 0.00000000      | 0.00000000    | mg/L  | 57.51318815   | -                | -                   | 6.49611828   | 11.30           | 3.38339003  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 63.6218913047867            | 52181.6392027077            | 0.0000           |
| K 766.491  | K-R           | n!    | 0.00000000      | 0.00000000    | mg/L  | 67.96420072   | -                | -                   | 51.27974723  | 75.45           | 85.06813557 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -143.308845751781           | 1976.41087789599            | 0.0000           |
| Li 670.783 | Li-R          | n!    | 0.00000000      | 0.00000000    | mg/L  | 0.00000000    | -                | -                   | 56.61317995  | > 100.00        | 3.30693325  | Y-R (371.029 nm)  | Linear          | 1.00000                 | FACT                  | -131.709738751077           | 139151.876099747            | 0.0000           |
| Mg 279.800 | Mg-R          | n!    | 0.00000000      | 0.00000000    | mg/L  | 44.64146936   | -                | -                   | 4.49434695   | 10.07           | 2.72853787  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 52.1596966747754            | 2845.48560534402            | 0.0000           |
| Mn 257.610 | Mn            | n!    | 0.00000000      | 0.00000000    | mg/L  | 339.28705112  | -                | -                   | 20.33457369  | 5.99            | 2.68222152  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 340.258621766359            | 393862.310204548            | 0.0000           |
| Mo 204.598 | Mo            | n!    | 0.00000000      | 0.00000000    | mg/L  | 3.27468013    | -                | -                   | 4.41561206   | > 100.00        | 3.90034696  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 0.0362392451106821          | 6716.53223691831            | 0.0000           |
| Na 589.592 | Na-R          | n!    | 0.00000000      | 0.00000000    | mg/L  | 887.72483922  | -                | -                   | 86.69398203  | 9.77            | 1.92639559  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1015.54961612912            | 13821.5388449024            | 0.0000           |
| Ni 231.604 | Ni            | n!    | 0.00000000      | 0.00000000    | mg/L  | 65.02830956   | -                | -                   | 9.89765063   | 15.22           | 2.64125240  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.2534989149881            | 19126.4527280118            | 0.0000           |
| P 177.434  | P             | n!    | 0.00000000      | 0.00000000    | mg/L  | 6.77439114    | -                | -                   | 2.17052997   | 32.04           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           | 0.0000           |
| Pb 220.353 | Pb            | n!    | 0.00000000      | 0.00000000    | mg/L  | -252.14393321 | -                | -                   | 11.20439891  | 4.44            | 7.19647815  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.763749896202           | 5781.67102279586            | 0.0000           |
| S 181.972  | S             | n!    | 0.00000000      | 0.00000000    | mg/L  | 14.56479459   | -                | -                   | 2.55429629   | 17.54           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           | 0.0000           |
| Sb 206.834 | Sb            | n!    | 0.00000000      | 0.00000000    | mg/L  | -27.15282868  | -                | -                   | 9.08051879   | 33.44           | 4.85608736  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -35.5165839113466           | 2284.31182340398            | 0.0000           |
| Se 196.026 | Se            | n!    | 0.00000000      | 0.00000000    | mg/L  | 56.11965940   | -                | -                   | 14.85734551  | 26.47           | 8.49364529  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 60.028240617126             | 2698.33559709385            | 0.0000           |
| Si 251.611 | Si            | n!    | 0.00000000      | 0.00000000    | mg/L  | 80.96016960   | -                | -                   | 7.79775972   | 9.63            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           | 0.0000           |
| Sn 189.925 | Sn            | n!    | 0.00000000      | 0.00000000    | mg/L  | 28.97195263   | -                | -                   | 1.67979177   | 5.80            | 5.18491274  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 29.5893897058708            | 8277.2655137183             | 0.0000           |
| Sr 421.552 | Sr-R          | n!    | 0.00000000      | 0.00000000    | mg/L  | 74.57297098   | -                | -                   | 7.01675138   | 9.41            | 2.85625133  | Y-R (371.029 nm)  | Linear          | 0.99998                 | Fitted                | 21.7695965234016            | 573407.163585965            | 0.0000           |
| Ti 334.941 | Ti            | n!    | 0.00000000      | 0.00000000    | mg/L  | 484.87749584  | -                | -                   | 22.75151287  | 4.69            | 2.95043554  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 478.683455546135            | 311033.714672522            | 0.0000           |
| Tl 190.794 | Tl            | n!    | 0.00000000      | 0.00000000    | mg/L  | 2.37814659    | -                | -                   | 2.48707178   | > 100.00        | 17.02402026 | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -6.97659105539526           | 2371.48446753497            | 0.0000           |
| V 292.401  | V             | n!    | 0.00000000      | 0.00000000    | mg/L  | 7.87191018    | -                | -                   | 5.11630666   | 64.99           | 3.36281191  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 5.07447112637364            | 31356.3777005594            | 0.0000           |
| Zn 206.200 | Zn            | n!    | 0.00000000      | 0.00000000    | mg/L  | 28.98946281   | -                | -                   | 3.32934327   | 11.48           | 3.86978850  | Y (371.029 nm)    | Linear          | 0.99982                 | Fitted                | 29.0547657236443            | 43917.9596015687            | 0.0000           |
| Y 371.029  | Y             | !     | 1.00            | 1.00          | Ratio | 796141.93     | 0.00             | 0.00                | 6981.58      | 0.88            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00             |
| Y 371.029  | Y-R           | !     | 1.00            | 1.00          | Ratio | 284653.27     | 0.00             | 0.00                | 2131.08      | 0.75            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00             |

Label: ICAL.L1,S19988

Rack/Tube: S1:2

Type: STD

Date Time: 3/14/2024 3:09:34 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L | 475.50462205  | -                | -                   | 3.69449701   | 0.78            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Al 396.152 | Al            | n     | 0.00666667      | 0.00666667    | mg/L | 1286.93179130 | -                | -                   | 10.12298573  | 0.79            | 9.34047250  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 1066.31186745702            | 30605.0137889957            | 0.006666                  |
| As 188.980 | As            | n     | 0.00333333      | 0.00333333    | mg/L | 39.36389567   | -                | -                   | 1.16103472   | 2.95            | 5.08219985  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.0053060095051            | 3888.20312014385            | 0.003333                  |
| B 249.678  | B             | n     | 0.00333333      | 0.00333333    | mg/L | 241.03361084  | -                | -                   | 3.28862814   | 1.36            | 2.75337456  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 131.393119838262            | 33674.9183361295            | 0.003333                  |
| Ba 230.424 | Ba            | n     | 0.00333333      | 0.00333333    | mg/L | 515.22799765  | -                | -                   | 4.26101165   | 0.83            | 3.89608307  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 236.564162017927            | 81909.8057635084            | 0.003333                  |
| Be 313.107 | Be            | n     | 0.00100000      | 0.00100000    | mg/L | 1861.53144701 | -                | -                   | 75.70047861  | 4.07            | 8.66995314  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -14.3306580976354           | 2102309.84641201            | 0.001000                  |
| Ca 317.933 | Ca-R          | n     | 0.03333333      | 0.03333333    | mg/L | 2761.56348308 | -                | -                   | 22.73511466  | 0.82            | 3.19900851  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.65621630653            | 17125.402151663             | 0.033333                  |
| Cd 214.439 | Cd            | n     | 0.00166667      | 0.00166667    | mg/L | 268.61433397  | -                | -                   | 8.17201415   | 3.04            | 2.70146565  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 19.9501053803604            | 147385.217601372            | 0.001666                  |
| Co 230.786 | Co            | n     | 0.00166667      | 0.00166667    | mg/L | 318.68752686  | -                | -                   | 6.89471716   | 2.16            | 5.65837252  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 257.918458864132            | 33512.7212277361            | 0.001666                  |
| Cr 267.716 | Cr            | n     | 0.00333333      | 0.00333333    | mg/L | 489.56048558  | -                | -                   | 7.03904771   | 1.44            | 1.84945489  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 309.380553900887            | 54770.4247064522            | 0.003333                  |
| Cu 324.754 | Cu            | n     | 0.00333333      | 0.00333333    | mg/L | 586.45825868  | -                | -                   | 30.26562939  | 5.16            | 19.03144677 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 439.812578206539            | 34041.5056277143            | 0.003333                  |
| Fe 259.940 | Fe            | n     | 0.00666667      | 0.00666667    | mg/L | 424.60006947  | -                | -                   | 8.91002254   | 2.10            | 3.38339003  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 63.6218913047867            | 52181.6392027077            | 0.006666                  |
| K 766.491  | K-R           | n     | 0.06666667      | 0.06666667    | mg/L | 179.49144373  | -                | -                   | 35.58327040  | 19.82           | 85.06813557 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -143.308845751781           | 1976.41087789599            | 0.066666                  |
| Li 670.783 | Li-R          | n     | 0.00333333      | 0.00333333    | mg/L | 342.05126111  | -                | -                   | 140.03734930 | 40.94           | 3.30693325  | Y-R (371.029 nm)  | Linear          | 1.00000                 | FACT                  | -131.709738751077           | 139151.876099747            | 0.003333                  |
| Mg 279.800 | Mg-R          | n     | 0.03333333      | 0.03333333    | mg/L | 144.14925764  | -                | -                   | 13.20309314  | 9.16            | 2.72853787  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 52.1596966747754            | 2845.48560534402            | 0.033333                  |
| Mn 257.610 | Mn            | n     | 0.00333333      | 0.00333333    | mg/L | 1663.04110998 | -                | -                   | 54.89523912  | 3.30            | 2.68222152  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 340.258621766359            | 393862.310204548            | 0.003333                  |
| Mo 204.598 | Mo            | n     | 0.00333333      | 0.00333333    | mg/L | 21.12347040   | -                | -                   | 2.93883487   | 13.91           | 3.90034696  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 0.0362392451106821          | 6716.53223691831            | 0.003333                  |
| Na 589.592 | Na-R          | n     | 0.06666667      | 0.06666667    | mg/L | 1922.70970642 | -                | -                   | 148.33899326 | 7.72            | 1.92639559  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1015.54961612912            | 13821.5388449024            | 0.066666                  |
| Ni 231.604 | Ni            | n     | 0.00333333      | 0.00333333    | mg/L | 121.41786679  | -                | -                   | 3.77028918   | 3.11            | 2.64125240  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.2534989149881            | 19126.4527280118            | 0.003333                  |
| P 177.434  | P             | n     |                 |               | mg/L | 11.75728660   | -                | -                   | 3.32642439   | 28.29           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Pb 220.353 | Pb            | n     | 0.00333333      | 0.00333333    | mg/L | -228.51839751 | -                | -                   | 12.09849924  | 5.29            | 7.19647815  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.763749896202           | 5781.67102279586            | 0.003333                  |
| S 181.972  | S             | n     |                 |               | mg/L | 13.60799482   | -                | -                   | 4.56710378   | 33.56           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Sb 206.834 | Sb            | n     | 0.01000010      | 0.01000010    | mg/L | -13.64792379  | -                | -                   | 5.18460218   | 37.99           | 4.85608736  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -35.5165839113466           | 2284.31182340398            | 0.010000                  |
| Se 196.026 | Se            | n     | 0.01000001      | 0.01000001    | mg/L | 90.31821850   | -                | -                   | 4.54482755   | 5.03            | 8.49364529  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 60.028240617126             | 2698.33559709385            | 0.010000                  |
| Si 251.611 | Si            | n     |                 |               | mg/L | 94.03222831   | -                | -                   | 9.70502617   | 10.32           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Sn 189.925 | Sn            | n     | 0.00333333      | 0.00333333    | mg/L | 59.20934376   | -                | -                   | 2.47617435   | 4.18            | 5.18491274  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 29.5893897058708            | 8277.2655137183             | 0.003333                  |
| Sr 421.552 | Sr-R          | n     | 0.01666667      | 0.01666667    | mg/L | 9576.33049579 | -                | -                   | 1.40940162   | 0.01            | 2.85625133  | Y-R (371.029 nm)  | Linear          | 0.99998                 | Fitted                | 21.7695965234016            | 573407.163585965            | 0.016666                  |
| Ti 334.941 | Ti            | n     | 0.00333333      | 0.00333333    | mg/L | 1499.89371779 | -                | -                   | 53.47236184  | 3.57            | 2.95043554  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 478.683455546135            | 311033.714672522            | 0.003333                  |
| Tl 190.794 | Tl            | n     | 0.01000010      | 0.01000010    | mg/L | 12.06853438   | -                | -                   | 4.29811466   | 35.61           | 17.02402026 | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -6.97659105539526           | 2371.48446753497            | 0.010000                  |
| V 292.401  | V             | n     | 0.00166667      | 0.00166667    | mg/L | 55.42425169   | -                | -                   | 5.23565210   | 9.45            | 3.36281191  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 5.07447112637364            | 31356.3777005594            | 0.001666                  |
| Zn 206.200 | Zn            | n     | 0.01000010      | 0.01000010    | mg/L | 469.70353884  | -                | -                   | 10.89377816  | 2.32            | 3.86978850  | Y (371.029 nm)    | Linear          | 0.99982                 | Fitted                | 29.0547657236443            | 43917.9596015687            | 0.010000                  |
| Y 371.029  | Y             | 1.00  | 1.00            | Ratio         |      | 795803.78     | 0.01             | 0.65                | 5167.42      | 0.65            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.99                      |
| Y 371.029  | Y-R           | 1.00  | 1.00            | Ratio         |      | 285967.77     | 0.00             | 0.40                | 1143.89      | 0.40            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00                      |

Label: ICAL,L2,S19987

Rack/Tube: S1:3

Type: STD

Date Time: 3/14/2024 3:12:41 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity      | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentration Replicate 1 |
|------------|---------------|-------|-----------------|---------------|-------|----------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 479.62076907   | -                | -                   | 19.22508809  | 4.01            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Al 396.152 | Al            | n     | 0.02000000      | 0.02000000    | mg/L  | 1600.70948164  | -                | -                   | 32.49265859  | 2.03            | 9.34047250  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 1066.31186745702            | 30605.0137889957            | 0.0200                    |
| As 188.980 | As            | n     | 0.01000000      | 0.01000000    | mg/L  | 68.08665060    | -                | -                   | 1.97304143   | 2.90            | 5.08219985  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.0053060095051            | 3888.20312014385            | 0.0100                    |
| B 249.678  | B             | n     | 0.01000000      | 0.01000000    | mg/L  | 475.14809152   | -                | -                   | 6.38690204   | 1.34            | 2.75337456  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 131.393119838262            | 33674.9183361295            | 0.0100                    |
| Ba 230.424 | Ba            | n     | 0.01000000      | 0.01000000    | mg/L  | 1040.28461014  | -                | -                   | 27.99487474  | 2.69            | 3.89608307  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 236.564162017927            | 81909.8057635084            | 0.0100                    |
| Be 313.107 | Be            | n     | 0.00300000      | 0.00300000    | mg/L  | 6076.22824856  | -                | -                   | 260.49083643 | 4.29            | 8.66995314  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -14.3306580976354           | 2102309.84641201            | 0.0030                    |
| Ca 317.933 | Ca-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 3859.82530473  | -                | -                   | 31.56444984  | 0.82            | 3.19900851  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.65621630653            | 17125.402151663             | 0.1000                    |
| Cd 214.439 | Cd            | n     | 0.00500000      | 0.00500000    | mg/L  | 740.51116737   | -                | -                   | 24.63022665  | 3.33            | 2.70146565  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 19.9501053803604            | 147385.217601372            | 0.0050                    |
| Co 230.786 | Co            | n     | 0.00500000      | 0.00500000    | mg/L  | 429.85173289   | -                | -                   | 9.31192340   | 2.17            | 5.65837252  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 257.918458864132            | 33512.7212277361            | 0.0050                    |
| Cr 267.716 | Cr            | n     | 0.01000000      | 0.01000000    | mg/L  | 851.01352213   | -                | -                   | 29.64980518  | 3.48            | 1.84945489  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 309.380553900887            | 54770.4247064522            | 0.0100                    |
| Cu 324.754 | Cu            | n     | 0.01000000      | 0.01000000    | mg/L  | 733.47941827   | -                | -                   | 24.52576466  | 3.34            | 19.03144677 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 439.812578206539            | 34041.5056277143            | 0.0100                    |
| Fe 259.940 | Fe            | n     | 0.02000000      | 0.02000000    | mg/L  | 1080.82028413  | -                | -                   | 36.90655207  | 3.41            | 3.38339003  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 63.6218913047867            | 52181.6392027077            | 0.0200                    |
| K 766.491  | K-R           | n     | 0.20000000      | 0.20000000    | mg/L  | 354.60098755   | -                | -                   | 25.32129526  | 7.14            | 85.06813557 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -143.308845751781           | 1976.41087789599            | 0.2000                    |
| Li 670.783 | Li-R          | n     | 0.01000000      | 0.01000000    | mg/L  | 1187.11588074  | -                | -                   | 43.32567780  | 3.65            | 3.30693325  | Y-R (371.029 nm)  | Linear          | 1.00000                 | FACT                  | -131.709738751077           | 139151.876099747            | 0.0100                    |
| Mg 279.800 | Mg-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 342.94019754   | -                | -                   | 8.78176867   | 2.56            | 2.72853787  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 52.1596966747754            | 2845.48560534402            | 0.1000                    |
| Mn 257.610 | Mn            | n     | 0.01000000      | 0.01000000    | mg/L  | 4248.75169061  | -                | -                   | 151.80801896 | 3.57            | 2.68222152  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 340.258621766359            | 393862.310204548            | 0.0100                    |
| Mo 204.598 | Mo            | n     | 0.01000000      | 0.01000000    | mg/L  | 66.35154484    | -                | -                   | 16.08417750  | 24.24           | 3.90034696  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 0.0362392451106821          | 6716.53223691831            | 0.0100                    |
| Na 589.592 | Na-R          | n     | 0.20000000      | 0.20000000    | mg/L  | 3826.48542246  | -                | -                   | 134.27055805 | 3.51            | 1.92639559  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1015.54961612912            | 13821.5388449024            | 0.2000                    |
| Ni 231.604 | Ni            | n     | 0.01000000      | 0.01000000    | mg/L  | 244.19389173   | -                | -                   | 12.84099183  | 5.26            | 2.64125240  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.2534989149881            | 19126.4527280118            | 0.0100                    |
| P 177.434  | P             | n     |                 |               | mg/L  | 6.65143020     | -                | -                   | 1.31711509   | 19.80           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Pb 220.353 | Pb            | n     | 0.01000000      | 0.01000000    | mg/L  | -195.42152206  | -                | -                   | 15.53235750  | 7.95            | 7.19647815  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.763749896202           | 5781.67102279586            | 0.0100                    |
| S 181.972  | S             | n     |                 |               | mg/L  | 18.04705642    | -                | -                   | 2.90859102   | 16.12           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Sb 206.834 | Sb            | n     | 0.03000030      | 0.03000030    | mg/L  | 28.07416071    | -                | -                   | 8.56898501   | 30.52           | 4.85608736  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -35.5165839113466           | 2284.31182340398            | 0.0300                    |
| Se 196.026 | Se            | n     | 0.03000003      | 0.03000003    | mg/L  | 135.05636449   | -                | -                   | 6.64164125   | 4.92            | 8.49364529  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 60.028240617126             | 2698.33559709385            | 0.0300                    |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 94.45978141    | -                | -                   | 3.62150837   | 3.83            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                           |
| Sn 189.925 | Sn            | n     | 0.01000000      | 0.01000000    | mg/L  | 108.65307228   | -                | -                   | 5.85672034   | 5.39            | 5.18491274  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 29.5893897058708            | 8277.2655137183             | 0.0100                    |
| Sr 421.552 | Sr-R          | n     | 0.05000000      | 0.05000000    | mg/L  | 28796.81760984 | -                | -                   | 56.14885019  | 0.19            | 2.85625133  | Y-R (371.029 nm)  | Linear          | 0.99998                 | Fitted                | 21.7695965234016            | 573407.163585965            | 0.0500                    |
| Ti 334.941 | Ti            | n     | 0.01000000      | 0.01000000    | mg/L  | 3486.37229089  | -                | -                   | 124.58582666 | 3.57            | 2.95043554  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 478.683455546135            | 311033.714672522            | 0.0100                    |
| Tl 190.794 | Tl            | n     | 0.03000030      | 0.03000030    | mg/L  | 54.61162374    | -                | -                   | 2.72232675   | 4.98            | 17.02402026 | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -6.97659105539526           | 2371.48446753497            | 0.0300                    |
| V 292.401  | V             | n     | 0.00500000      | 0.00500000    | mg/L  | 156.36929229   | -                | -                   | 12.93473255  | 8.27            | 3.36281191  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 5.07447112637364            | 31356.3777005594            | 0.0050                    |
| Zn 206.200 | Zn            | n     | 0.03000030      | 0.03000030    | mg/L  | 1331.77600400  | -                | -                   | 45.29193769  | 3.40            | 3.86978850  | Y (371.029 nm)    | Linear          | 0.99982                 | Fitted                | 29.0547657236443            | 43917.9596015687            | 0.0300                    |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 792626.16      | 0.01             | 0.74                | 5859.66      | 0.74            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.99                      |
| Y 371.029  | Y-R           |       | 1.00            | 1.00          | Ratio | 285043.24      | 0.01             | 1.14                | 3245.81      | 1.14            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00                      |

Label: ICAL,L3,S19986

Rack/Tube: S1:4

Type: STD

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Calibration Coefficient [3]: -

LIMS ID: -

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Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity       | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concen Replics |
|------------|---------------|-------|-----------------|---------------|-------|-----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|----------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 519.84457729    | -                | -                   | 22.59157065   | 4.35            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                |
| Al 396.152 | Al            | n     | 0.20000000      | 0.20000000    | mg/L  | 6989.75176043   | -                | -                   | 238.29327640  | 3.41            | 9.34047250  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 1066.31186745702            | 30605.0137889957            | 0.200          |
| As 188.980 | As            | n     | 0.10000000      | 0.10000000    | mg/L  | 403.85985652    | -                | -                   | 9.83849454    | 2.44            | 5.08219985  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.0053060095051            | 3888.20312014385            | 0.100          |
| B 249.678  | B             | n     | 0.10000000      | 0.10000000    | mg/L  | 3380.48213889   | -                | -                   | 100.64542611  | 2.98            | 2.75337456  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 131.393119838262            | 33674.9183361295            | 0.100          |
| Ba 230.424 | Ba            | n     | 0.10000000      | 0.10000000    | mg/L  | 8250.51879373   | -                | -                   | 289.30601295  | 3.51            | 3.89608307  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 236.564162017927            | 81909.8057635084            | 0.100          |
| Be 313.107 | Be            | n     | 0.03000000      | 0.03000000    | mg/L  | 65652.67162277  | -                | -                   | 2329.76202462 | 3.55            | 8.66995314  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -14.3306580976354           | 2102309.84641201            | 0.030          |
| Ca 317.933 | Ca-R          | n     | 1.00000000      | 1.00000000    | mg/L  | 19539.02559642  | -                | -                   | 99.67007687   | 0.51            | 3.19900851  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.65621630653            | 17125.402151663             | 1.000          |
| Cd 214.439 | Cd            | n     | 0.05000000      | 0.05000000    | mg/L  | 7460.87704936   | -                | -                   | 240.42239496  | 3.22            | 2.70146565  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 19.9501053803604            | 147385.217601372            | 0.050          |
| Co 230.786 | Co            | n     | 0.05000000      | 0.05000000    | mg/L  | 1931.49746641   | -                | -                   | 54.34106837   | 2.81            | 5.65837252  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 257.918458864132            | 33512.7212277361            | 0.050          |
| Cr 267.716 | Cr            | n     | 0.10000000      | 0.10000000    | mg/L  | 5815.25781323   | -                | -                   | 187.23942453  | 3.22            | 1.84945489  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 309.380553900887            | 54770.4247064522            | 0.100          |
| Cu 324.754 | Cu            | n     | 0.10000000      | 0.10000000    | mg/L  | 3717.23160569   | -                | -                   | 115.30245469  | 3.10            | 19.03144677 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 439.812578206539            | 34041.5056277143            | 0.100          |
| Fe 259.940 | Fe            | n     | 0.20000000      | 0.20000000    | mg/L  | 10387.81193151  | -                | -                   | 374.41346261  | 3.60            | 3.38339003  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 63.6218913047867            | 52181.6392027077            | 0.200          |
| K 766.491  | K-R           | n     | 2.00000000      | 2.00000000    | mg/L  | 3674.61641104   | -                | -                   | 18.49785409   | 0.50            | 85.06813557 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -143.308845751781           | 1976.41087789599            | 2.000          |
| Li 670.783 | Li-R          | n     | 0.10000000      | 0.10000000    | mg/L  | 13649.69541288  | -                | -                   | 205.18350182  | 1.50            | 3.30693325  | Y-R (371.029 nm)  | Linear          | 1.00000                 | FACT                  | -131.709738751077           | 139151.876099747            | 0.100          |
| Mg 279.800 | Mg-R          | n     | 1.00000000      | 1.00000000    | mg/L  | 2961.39027142   | -                | -                   | 14.38382279   | 0.49            | 2.72853787  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 52.1596966747754            | 2845.48560534402            | 1.000          |
| Mn 257.610 | Mn            | n     | 0.10000000      | 0.10000000    | mg/L  | 40396.61854618  | -                | -                   | 1392.68795564 | 3.45            | 2.68222152  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 340.258621766359            | 393862.310204548            | 0.100          |
| Mo 204.598 | Mo            | n     | 0.10000000      | 0.10000000    | mg/L  | 655.77576550    | -                | -                   | 34.51770982   | 5.26            | 3.90034696  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 0.0362392451106821          | 6716.53223691831            | 0.100          |
| Na 589.592 | Na-R          | n     | 2.00000000      | 2.00000000    | mg/L  | 29165.48472235  | -                | -                   | 191.98247553  | 0.66            | 1.92639559  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1015.54961612912            | 13821.5388449024            | 2.000          |
| Ni 231.604 | Ni            | n     | 0.10000000      | 0.10000000    | mg/L  | 1990.26109970   | -                | -                   | 70.95655578   | 3.57            | 2.64125240  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.2534989149881            | 19126.4527280118            | 0.100          |
| P 177.434  | P             | n     |                 |               | mg/L  | 10.40940948     | -                | -                   | 5.38322956    | 51.72           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                |
| Pb 220.353 | Pb            | n     | 0.10000000      | 0.10000000    | mg/L  | 340.15914222    | -                | -                   | 25.24610007   | 7.42            | 7.19647815  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.763749896202           | 5781.67102279586            | 0.100          |
| S 181.972  | S             | n     |                 |               | mg/L  | 15.24044222     | -                | -                   | 2.92365599    | 19.18           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                |
| Sb 206.834 | Sb            | n     | 0.30000300      | 0.30000300    | mg/L  | 650.57105223    | -                | -                   | 24.48445840   | 3.76            | 4.85608736  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -35.5165839113466           | 2284.31182340398            | 0.300          |
| Se 196.026 | Se            | n     | 0.30000030      | 0.30000030    | mg/L  | 849.69106609    | -                | -                   | 46.11615025   | 5.43            | 8.49364529  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 60.028240617126             | 2698.33559709385            | 0.300          |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 99.55863678     | -                | -                   | 3.27833072    | 3.29            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                |
| Sn 189.925 | Sn            | n     | 0.10000000      | 0.10000000    | mg/L  | 853.11342586    | -                | -                   | 27.50482568   | 3.22            | 5.18491274  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 29.5893897058708            | 8277.2655137183             | 0.100          |
| Sr 421.552 | Sr-R          | n     | 0.50000000      | 0.50000000    | mg/L  | 296179.96611096 | -                | -                   | 868.53009915  | 0.29            | 2.85625133  | Y-R (371.029 nm)  | Linear          | 0.99998                 | Fitted                | 21.7695965234016            | 573407.163585965            | 0.500          |
| Ti 334.941 | Ti            | n     | 0.10000000      | 0.10000000    | mg/L  | 31589.10223251  | -                | -                   | 1029.57431063 | 3.26            | 2.95043554  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 478.683455546135            | 311033.714672522            | 0.100          |
| Tl 190.794 | Tl            | n     | 0.30000300      | 0.30000300    | mg/L  | 754.45566849    | -                | -                   | 47.09384003   | 6.24            | 17.02402026 | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -6.97659105539526           | 2371.48446753497            | 0.300          |
| V 292.401  | V             | n     | 0.05000000      | 0.05000000    | mg/L  | 1552.84248515   | -                | -                   | 60.06794483   | 3.87            | 3.36281191  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 5.07447112637364            | 31356.3777005594            | 0.050          |
| Zn 206.200 | Zn            | n     | 0.30000300      | 0.30000300    | mg/L  | 13345.13013806  | -                | -                   | 460.73623203  | 3.45            | 3.86978850  | Y (371.029 nm)    | Linear          | 0.99982                 | Fitted                | 29.0547657236443            | 43917.9596015687            | 0.300          |
| Y 371.029  | Y             |       | 0.99            | 0.99          | Ratio | 791851.51       | 0.01             | 0.55                | 4380.12       | 0.55            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 0.99           |
| Y 371.029  | Y-R           |       | 0.99            | 0.99          | Ratio | 282620.47       | 0.01             | 1.21                | 3418.68       | 1.21            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00           |



Label: ICAL,L4,S19985

Rack/Tube: S1:5

Type: STD

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%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L | 495.79118973     | -                | -                   | 36.40191633    | 7.34            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Al 396.152 | Al            | n     | 2.00000000      | 2.00000000    | mg/L | 63190.28986347   | -                | -                   | 2441.72843223  | 3.86            | 9.34047250  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 1066.31186745702            | 30605.0137889957            |
| As 188.980 | As            | n     | 1.00000000      | 1.00000000    | mg/L | 4039.50912967    | -                | -                   | 160.38848318   | 3.97            | 5.08219985  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.0053060095051            | 3888.20312014385            |
| B 249.678  | B             | n     | 1.00000000      | 1.00000000    | mg/L | 34073.99687185   | -                | -                   | 1081.93346149  | 3.18            | 2.75337456  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 131.393119838262            | 33674.9183361295            |
| Ba 230.424 | Ba            | n     | 1.00000000      | 1.00000000    | mg/L | 80812.47159266   | -                | -                   | 2894.30002061  | 3.58            | 3.89608307  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 236.564162017927            | 81909.8057635084            |
| Be 313.107 | Be            | n     | 0.30000000      | 0.30000000    | mg/L | 680044.51967366  | -                | -                   | 26126.56266527 | 3.84            | 8.66995314  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -14.3306580976354           | 2102309.84641201            |
| Ca 317.933 | Ca-R          | n     | 10.00000000     | 10.00000000   | mg/L | 176607.02590304  | -                | -                   | 1013.23901236  | 0.57            | 3.19900851  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.65621630653            | 17125.402151663             |
| Cd 214.439 | Cd            | n     | 0.50000000      | 0.50000000    | mg/L | 75344.71737938   | -                | -                   | 2565.26327113  | 3.40            | 2.70146565  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 19.9501053803604            | 147385.217601372            |
| Co 230.786 | Co            | n     | 0.50000000      | 0.50000000    | mg/L | 17246.22202940   | -                | -                   | 610.38314689   | 3.54            | 5.65837252  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 257.918458864132            | 33512.7212277361            |
| Cr 267.716 | Cr            | n     | 1.00000000      | 1.00000000    | mg/L | 56361.30930775   | -                | -                   | 2036.26578860  | 3.61            | 1.84945489  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 309.380553900887            | 54770.4247064522            |
| Cu 324.754 | Cu            | n     | 1.00000000      | 1.00000000    | mg/L | 35249.61621482   | -                | -                   | 1148.25185544  | 3.26            | 19.03144677 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 439.812578206539            | 34041.5056277143            |
| Fe 259.940 | Fe            | n     | 2.00000000      | 2.00000000    | mg/L | 104439.86479727  | -                | -                   | 3730.31272690  | 3.57            | 3.38339003  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 63.6218913047867            | 52181.6392027077            |
| K 766.491  | K-R           | n     | 20.00000000     | 20.00000000   | mg/L | 38878.17574529   | -                | -                   | 299.68183667   | 0.77            | 85.06813557 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -143.308845751781           | 1976.41087789599            |
| Li 670.783 | Li-R          | n     | 1.00000000      | 1.00000000    | mg/L | 139203.10658500  | -                | -                   | 948.41215691   | 0.68            | 3.30693325  | Y-R (371.029 nm)  | Linear          | 1.00000                 | FACT                  | -131.709738751077           | 139151.876099747            |
| Mg 279.800 | Mg-R          | n     | 10.00000000     | 10.00000000   | mg/L | 29030.33634041   | -                | -                   | 263.90757893   | 0.91            | 2.72853787  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 52.1596966747754            | 2845.48560534402            |
| Mn 257.610 | Mn            | n     | 1.00000000      | 1.00000000    | mg/L | 401283.88637552  | -                | -                   | 13724.08317518 | 3.42            | 2.68222152  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 340.258621766359            | 393862.310204548            |
| Mo 204.598 | Mo            | n     | 1.00000000      | 1.00000000    | mg/L | 6835.56941135    | -                | -                   | 338.02250429   | 4.95            | 3.90034696  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 0.0362392451106821          | 6716.53223691831            |
| Na 589.592 | Na-R          | n     | 20.00000000     | 20.00000000   | mg/L | 281538.73514162  | -                | -                   | 1431.49316726  | 0.51            | 1.92639559  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1015.54961612912            | 13821.5388449024            |
| Ni 231.604 | Ni            | n     | 1.00000000      | 1.00000000    | mg/L | 19651.10898661   | -                | -                   | 678.94588338   | 3.46            | 2.64125240  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.2534989149881            | 19126.4527280118            |
| P 177.434  | P             | n     |                 |               | mg/L | 14.55874547      | -                | -                   | 3.29502963     | 22.63           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Pb 220.353 | Pb            | n     | 1.00000000      | 1.00000000    | mg/L | 5608.77818954    | -                | -                   | 185.54708438   | 3.31            | 7.19647815  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.763749896202           | 5781.67102279586            |
| S 181.972  | S             | n     |                 |               | mg/L | 31.98469190      | -                | -                   | 7.67677291     | 24.00           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Sb 206.834 | Sb            | n     | 3.00003000      | 3.00003000    | mg/L | 6868.82548889    | -                | -                   | 251.48716731   | 3.66            | 4.85608736  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -35.5165839113466           | 2284.31182340398            |
| Se 196.026 | Se            | n     | 3.00000300      | 3.00000300    | mg/L | 8350.70154824    | -                | -                   | 427.88903435   | 5.12            | 8.49364529  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 60.028240617126             | 2698.33559709385            |
| Si 251.611 | Si            | n     |                 |               | mg/L | 220.82343714     | -                | -                   | 6.51724142     | 2.95            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Sn 189.925 | Sn            | n     | 1.00000000      | 1.00000000    | mg/L | 8474.92641873    | -                | -                   | 302.82409508   | 3.57            | 5.18491274  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 29.5893897058708            | 8277.2655137183             |
| Sr 421.552 | Sr-R          | n     | 5.00000000      | 5.00000000    | mg/L | 2971176.81729352 | -                | -                   | 7135.42805588  | 0.24            | 2.85625133  | Y-R (371.029 nm)  | Linear          | 0.99998                 | Fitted                | 21.7695965234016            | 573407.163585965            |
| Ti 334.941 | Ti            | n     | 1.00000000      | 1.00000000    | mg/L | 322702.07240166  | -                | -                   | 11415.85689008 | 3.54            | 2.95043554  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 478.683455546135            | 311033.714672522            |
| Tl 190.794 | Tl            | n     | 3.00003000      | 3.00003000    | mg/L | 8011.44309789    | -                | -                   | 374.37658300   | 4.67            | 17.02402026 | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -6.97659105539526           | 2371.48446753497            |
| V 292.401  | V             | n     | 0.50000000      | 0.50000000    | mg/L | 16086.47224354   | -                | -                   | 576.36834985   | 3.58            | 3.36281191  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 5.07447112637364            | 31356.3777005594            |
| Zn 206.200 | Zn            | n     | 3.00003000      | 3.00003000    | mg/L | 135684.02085137  | -                | -                   | 5035.22595435  | 3.71            | 3.86978850  | Y (371.029 nm)    | Linear          | 0.99982                 | Fitted                | 29.0547657236443            | 43917.9596015687            |
| Y 371.029  | Y             | 0.98  | 0.98            | Ratio         |      | 781074.93        | 0.00             | 0.44                | 3455.83        | 0.44            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | 0.98  | 0.98            | Ratio         |      | 279650.37        | 0.01             | 1.00                | 2790.63        | 1.00            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

|                                 |                      |                                |
|---------------------------------|----------------------|--------------------------------|
| Label: ICAL.L5.S19984           | Rack/Tube: S1:6      | Type: STD                      |
| Date Time: 3/14/2024 3:22:03 PM | Weight: -            | Volume: -                      |
| Dilution: -                     | %RSE limit: -        | Calibration Coefficient (3): - |
| LIMS ID: -                      | Customer: -          | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -       | Description: -                 |
| Replicates: 3                   | Flags Replicate 1: - | Flags Replicate 2: -           |
| Flags Replicate 3: -            |                      |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L | 478.28857818      | -                | -                   | 13.16145991     | 2.75            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Al 396.152 | Al            | n     | 10.00000000     | 10.00000000   | mg/L | 321423.06226945   | -                | -                   | 13524.57614926  | 4.21            | 9.34047250  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 1066.31186745702            | 30605.01378899              |
| As 188.980 | As            | n     | 5.00000000      | 5.00000000    | mg/L | 19867.41394473    | -                | -                   | 769.88822586    | 3.88            | 5.08219985  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 27.0053060095051            | 3888.203120143              |
| B 249.678  | B             | n     | 5.00000000      | 5.00000000    | mg/L | 168727.71765787   | -                | -                   | 6409.45563310   | 3.80            | 2.75337456  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 131.393119838262            | 33674.91833612              |
| Ba 230.424 | Ba            | n     | 5.00000000      | 5.00000000    | mg/L | 387190.81252572   | -                | -                   | 15555.53003796  | 4.02            | 3.89608307  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 236.564162017927            | 81909.80576350              |
| Be 313.107 | Be            | n     | 1.50000000      | 1.50000000    | mg/L | 3292638.24101097  | -                | -                   | 126592.91768882 | 3.84            | 8.66995314  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -14.3306580976354           | 2102309.846412              |
| Ca 317.933 | Ca-R          | n     | 50.00000000     | 50.00000000   | mg/L | 855540.12357022   | -                | -                   | 1598.46890581   | 0.19            | 3.19900851  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.65621630653            | 17125.40215166              |
| Cd 214.439 | Cd            | n     | 2.50000000      | 2.50000000    | mg/L | 357068.16627739   | -                | -                   | 15016.79692717  | 4.21            | 2.70146565  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 19.9501053803604            | 147385.2176013              |
| Co 230.786 | Co            | n     | 2.50000000      | 2.50000000    | mg/L | 81403.40608040    | -                | -                   | 3066.88790435   | 3.77            | 5.65837252  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 257.918458864132            | 33512.72122773              |
| Cr 267.716 | Cr            | n     | 5.00000000      | 5.00000000    | mg/L | 270730.24395491   | -                | -                   | 10303.93389015  | 3.81            | 1.84945489  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 309.380553900887            | 54770.42470645              |
| Cu 324.754 | Cu            | n     | 5.00000000      | 5.00000000    | mg/L | 179043.40350684   | -                | -                   | 6393.49909154   | 3.57            | 19.03144677 | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 439.812578206539            | 34041.50562771              |
| Fe 259.940 | Fe            | n     | 10.00000000     | 10.00000000   | mg/L | 503364.85123858   | -                | -                   | 18283.65307603  | 3.63            | 3.38339003  | Y (371.029 nm)    | Linear          | 0.99997                 | Off-Peak Left+Right   | 63.6218913047867            | 52181.63920270              |
| K 766.491  | K-R           | n     | 100.00000000    | 100.00000000  | mg/L | 198679.63924081   | -                | -                   | 370.87130812    | 0.19            | 85.06813557 | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | -143.308845751781           | 1976.410877895              |
| Li 670.783 | Li-R          | n     | 5.00000000      | 5.00000000    | mg/L | 695735.06270562   | -                | -                   | 1036.34074594   | 0.15            | 3.30693325  | Y-R (371.029 nm)  | Linear          | 1.00000                 | FACT                  | -131.709738751077           | 139151.8760997              |
| Mg 279.800 | Mg-R          | n     | 50.00000000     | 50.00000000   | mg/L | 142023.02817283   | -                | -                   | 197.03204906    | 0.14            | 2.72853787  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 52.1596966747754            | 2845.485605344              |
| Mn 257.610 | Mn            | n     | 5.00000000      | 5.00000000    | mg/L | 1895179.56496063  | -                | -                   | 72917.57990063  | 3.85            | 2.68222152  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 340.258621766359            | 393862.3102045              |
| Mo 204.598 | Mo            | n     | 5.00000000      | 5.00000000    | mg/L | 33994.64459764    | -                | -                   | 1576.08332110   | 4.64            | 3.90034696  | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 0.0362392451106821          | 6716.532236918              |
| Na 589.592 | Na-R          | n     | 100.00000000    | 100.00000000  | mg/L | 1375185.66459689  | -                | -                   | 3428.51122748   | 0.25            | 1.92639559  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1015.54961612912            | 13821.53884490              |
| Ni 231.604 | Ni            | n     | 5.00000000      | 5.00000000    | mg/L | 93478.33622643    | -                | -                   | 3439.43582915   | 3.68            | 2.64125240  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.2534989149881            | 19126.45272801              |
| P 177.434  | P             | n     |                 |               | mg/L | -6.50691029       | -                | -                   | 2.39289079      | 36.77           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Pb 220.353 | Pb            | n     | 5.00000000      | 5.00000000    | mg/L | 27814.15771070    | -                | -                   | 1030.21072407   | 3.70            | 7.19647815  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.763749896202           | 5781.671022795              |
| S 181.972  | S             | n     |                 |               | mg/L | 80.98177699       | -                | -                   | 5.28219249      | 6.52            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Sb 206.834 | Sb            | n     | 15.00015000     | 15.00015000   | mg/L | 34185.32369553    | -                | -                   | 1215.57416279   | 3.56            | 4.85608736  | Y (371.029 nm)    | Linear          | 1.00000                 | Off-Peak Right        | -35.5165839113466           | 2284.311823403              |
| Se 196.026 | Se            | n     | 15.00000000     | 15.00000000   | mg/L | 40917.79283859    | -                | -                   | 1686.14343252   | 4.12            | 8.49364529  | Y (371.029 nm)    | Linear          | 0.99999                 | Fitted                | 60.028240617126             | 2698.335597093              |
| Si 251.611 | Si            | n     |                 |               | mg/L | 765.92169688      | -                | -                   | 49.25166631     | 6.43            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Sn 189.925 | Sn            | n     | 5.00000000      | 5.00000000    | mg/L | 40815.14289486    | -                | -                   | 1520.62469325   | 3.73            | 5.18491274  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 29.5893897058708            | 8277.265513718              |
| Sr 421.552 | Sr-R          | n     | 25.00000000     | 25.00000000   | mg/L | 14410692.51075290 | -                | -                   | 60279.28148661  | 0.42            | 2.85625133  | Y-R (371.029 nm)  | Linear          | 0.99998                 | Fitted                | 21.7695965234016            | 573407.1635859              |
| Ti 334.941 | Ti            | n     | 5.00000000      | 5.00000000    | mg/L | 1553154.28245889  | -                | -                   | 74522.39774361  | 4.80            | 2.95043554  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 478.683455546135            | 311033.7146725              |
| Tl 190.794 | Tl            | n     | 15.00015000     | 15.00015000   | mg/L | 38949.06142471    | -                | -                   | 1832.89530103   | 4.71            | 17.02402026 | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | -6.97659105539526           | 2371.484467534              |
| V 292.401  | V             | n     | 2.50000000      | 2.50000000    | mg/L | 78207.37577371    | -                | -                   | 3106.85638295   | 3.97            | 3.36281191  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 5.07447112637364            | 31356.37770055              |
| Zn 206.200 | Zn            | n     | 15.00015000     | 15.00015000   | mg/L | 620591.09478163   | -                | -                   | 31805.98607737  | 5.13            | 3.86978850  | Y (371.029 nm)    | Linear          | 0.99982                 | Fitted                | 29.0547657236443            | 43917.95960156              |
| Y 371.029  | Y             | 0.96  | 0.96            | Ratio         |      | 762535.36         | 0.01             | 1.22                | 9268.71         | 1.22            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | 0.96  | 0.96            | Ratio         |      | 272156.03         | 0.00             | 0.13                | 342.45          | 0.13            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Label: ICAL\_L6\_S19983

Rack/Tube: S1:7

Type: STD

Date Time: 3/14/2024 3:25:10 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 436.16647756      | -                | -                   | 24.57316910     | 5.63            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Al 396.152 | Al            | n     | 20.00000000     | 20.00000000   | mg/L  | 683573.29804053   | -                | -                   | 28100.13886561  | 4.11            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569290            |
| As 188.980 | As            | n     | 10.00000000     | 10.00000000   | mg/L  | 40820.80149157    | -                | -                   | 1606.17372301   | 3.93            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n     | 10.00000000     | 10.00000000   | mg/L  | 348742.39288360   | -                | -                   | 13458.19228499  | 3.86            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | n     | 10.00000000     | 10.00000000   | mg/L  | 784623.85630981   | -                | -                   | 35019.90182243  | 4.46            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n     | 3.00000000      | 3.00000000    | mg/L  | 6687948.55157829  | -                | -                   | 276840.17694015 | 4.14            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748555            |
| Ca 317.933 | Ca-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 1718405.02432381  | -                | -                   | 3038.90356552   | 0.18            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n     | 5.00000000      | 5.00000000    | mg/L  | 704994.07651959   | -                | -                   | 33645.23087366  | 4.77            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129925            |
| Co 230.786 | Co            | n     | 5.00000000      | 5.00000000    | mg/L  | 166685.69823949   | -                | -                   | 5980.21731041   | 3.59            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | n     | 10.00000000     | 10.00000000   | mg/L  | 547719.28929838   | -                | -                   | 23873.00225153  | 4.36            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |
| Cu 324.754 | Cu            | n     | 10.00000000     | 10.00000000   | mg/L  | 379688.84907719   | -                | -                   | 14959.17935314  | 3.94            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | n     | 20.00000000     | 20.00000000   | mg/L  | 1010706.93833948  | -                | -                   | 39490.36234950  | 3.91            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025735            |
| K 766.491  | K-R           | n     | 200.00000000    | 200.00000000  | mg/L  | 408273.55555030   | -                | -                   | 1800.14181465   | 0.44            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | n     | 10.00000000     | 10.00000000   | mg/L  | 1438421.14596775  | -                | -                   | 4622.20778233   | 0.32            | 3.30693325  | Y-R (371.029 nm)  | Linear          | 1.00000                 | FACT                  | -131.709738751077           | 139151.876099747            |
| Mg 279.800 | Mg-R          | n     | 100.00000000    | 100.00000000  | mg/L  | 288352.77328406   | -                | -                   | 579.26659386    | 0.20            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752915            |
| Mn 257.610 | Mn            | n     | 10.00000000     | 10.00000000   | mg/L  | 3856281.25143867  | -                | -                   | 148233.78538192 | 3.84            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | n     | 10.00000000     | 10.00000000   | mg/L  | 69574.47975458    | -                | -                   | 3325.94557675   | 4.78            | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | n     | 200.00000000    | 200.00000000  | mg/L  | 2796785.43643258  | -                | -                   | 11361.57330553  | 0.41            | 1.92639559  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 1015.54961612912            | 13821.5388449024            |
| Ni 231.604 | Ni            | n     | 10.00000000     | 10.00000000   | mg/L  | 190784.27402781   | -                | -                   | 6811.24080538   | 3.57            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |
| P 177.434  | P             | n     |                 |               | mg/L  | 21.19267957       | -                | -                   | 6.40867321      | 30.24           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Pb 220.353 | Pb            | n     | 10.00000000     | 10.00000000   | mg/L  | 56805.31373549    | -                | -                   | 2177.35460577   | 3.83            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | n     |                 |               | mg/L  | 145.85585448      | -                | -                   | 9.35029469      | 6.41            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Sb 206.834 | Sb            | n     | 30.00030000     | 30.00030000   | mg/L  | 70213.88221804    | -                | -                   | 2788.40788696   | 3.97            | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665205            |
| Se 196.026 | Se            | n     | 30.00000000     | 30.00000000   | mg/L  | 84570.13086368    | -                | -                   | 3534.19159818   | 4.18            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529695            |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 1445.30742139     | -                | -                   | 72.27767546     | 5.00            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |
| Sn 189.925 | Sn            | n     | 10.00000000     | 10.00000000   | mg/L  | 82673.83982155    | -                | -                   | 3354.99101095   | 4.06            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | n     | 50.00000000     | 50.00000000   | mg/L  | 28865174.39839480 | -                | -                   | 207332.37662572 | 0.72            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850505            |
| Ti 334.941 | Ti            | n     | 10.00000000     | 10.00000000   | mg/L  | 3198527.90714555  | -                | -                   | 167245.78525724 | 5.23            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056935            |
| Tl 190.794 | Tl            | n     | 30.00030000     | 30.00030000   | mg/L  | 79552.51496716    | -                | -                   | 3408.09013881   | 4.28            | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | n     | 5.00000000      | 5.00000000    | mg/L  | 161070.30643697   | -                | -                   | 6474.81783504   | 4.02            | 3.36281191  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 5.07447112637364            | 31356.3777005594            |
| Zn 206.200 | Zn            | n     | 30.00030000     | 30.00030000   | mg/L  | 1224503.40639564  | -                | -                   | 61315.65398780  | 5.01            | 3.86978850  | Y (371.029 nm)    | Linear          | 0.99982                 | Fitted                | 29.0547657236443            | 43917.9596015687            |
| Y 371.029  | Y             |       | 0.95            | 0.95          | Ratio | 759515.45         | 0.00             | 0.15                | 1117.99         | 0.15            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.94            | 0.94          | Ratio | 268655.20         | 0.00             | 0.28                | 759.17          | 0.28            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

Label: ICAL,L7,S20134

Rack:Tube: S1:8

Type: STD

Date Time: 3/14/2024 3:28:17 PM

Weight: -

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%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity       | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Conc Replicates |
|------------|---------------|-------|-----------------|---------------|-------|-----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-----------------|
| Ag 328.068 | Ag            | n     | 2.00000000      | 2.00000000    | mg/L  | 141310.87602234 | -                | -                   | 5867.74105907 | 4.15            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            | 2.00            |
| Al 396.152 | Al            | n     |                 |               | mg/L  | 1118.82528080   | -                | -                   | 13.62303177   | 1.22            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569293            |                 |
| As 188.980 | As            | n     |                 |               | mg/L  | 35.33907807     | -                | -                   | 1.36466291    | 3.86            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |                 |
| B 249.678  | B             | n     |                 |               | mg/L  | 325.81214942    | -                | -                   | 16.64268578   | 5.11            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |                 |
| Ba 230.424 | Ba            | n     |                 |               | mg/L  | 225.39474155    | -                | -                   | 2.64761979    | 1.17            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |                 |
| Be 313.107 | Be            | n     |                 |               | mg/L  | 84.29931118     | -                | -                   | 44.94823249   | 53.32           | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748559            |                 |
| Ca 317.933 | Ca-R          | n     |                 |               | mg/L  | 2424.72209521   | -                | -                   | 10.93776183   | 0.45            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |                 |
| Cd 214.439 | Cd            | n     |                 |               | mg/L  | 45.41658991     | -                | -                   | 13.68888961   | 30.14           | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |                 |
| Co 230.786 | Co            | n     |                 |               | mg/L  | 268.84437578    | -                | -                   | 18.87019477   | 7.02            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |                 |
| Cr 267.716 | Cr            | n     |                 |               | mg/L  | 329.22141231    | -                | -                   | 6.10092556    | 1.85            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |                 |
| Cu 324.754 | Cu            | n     |                 |               | mg/L  | 514.07899875    | -                | -                   | 16.31784469   | 3.17            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |                 |
| Fe 259.940 | Fe            | n     |                 |               | mg/L  | 226.96598770    | -                | -                   | 27.57721598   | 12.15           | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025738            |                 |
| K 766.491  | K-R           | n     |                 |               | mg/L  | 164.16320256    | -                | -                   | 11.94729628   | 7.28            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |                 |
| Li 670.783 | Li-R          | n     |                 |               | mg/L  | -60.55662873    | -                | -                   | 96.12362762   | > 100.00        | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |                 |
| Mg 279.800 | Mg-R          | n     |                 |               | mg/L  | 37.06179322     | -                | -                   | 0.66136779    | 1.78            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752919            |                 |
| Mn 257.610 | Mn            | n     |                 |               | mg/L  | 529.42263765    | -                | -                   | 37.09908326   | 7.01            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |                 |
| Mo 204.598 | Mo            | n     |                 |               | mg/L  | 97.08764441     | -                | -                   | 16.39478771   | 16.89           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |                 |
| Na 589.592 | Na-R          | n     |                 |               | mg/L  | 1285.68354754   | -                | -                   | 200.19538483  | 15.57           | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |                 |
| Ni 231.604 | Ni            | n     |                 |               | mg/L  | 75.29371915     | -                | -                   | 5.56870748    | 7.40            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |                 |
| P 177.434  | P             | n     |                 |               | mg/L  | 9.53727546      | -                | -                   | 3.01665357    | 31.63           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                 |
| Pb 220.353 | Pb            | n     |                 |               | mg/L  | -236.37059998   | -                | -                   | 13.96221874   | 5.91            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |                 |
| S 181.972  | S             | n     |                 |               | mg/L  | 19.25514788     | -                | -                   | 2.87276827    | 14.92           |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                 |
| Sb 206.834 | Sb            | n     |                 |               | mg/L  | 5.63187409      | -                | -                   | 14.61994621   | > 100.00        | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665209            |                 |
| Se 196.026 | Se            | n     |                 |               | mg/L  | 83.27679280     | -                | -                   | 2.43462807    | 2.92            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529698            |                 |
| Si 251.611 | Si            | n     |                 |               | mg/L  | 163.45500113    | -                | -                   | 5.21961466    | 3.19            |             | Y (371.029 nm)    | Linear          | -                       | Fitted                | -                           | -                           |                 |
| Sn 189.925 | Sn            | n     |                 |               | mg/L  | 37.46008376     | -                | -                   | 1.67714412    | 4.48            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |                 |
| Sr 421.552 | Sr-R          | n     |                 |               | mg/L  | 386.09132708    | -                | -                   | 27.82493286   | 7.21            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |                 |
| Ti 334.941 | Ti            | n     |                 |               | mg/L  | 985.77113467    | -                | -                   | 106.46870398  | 10.80           | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |                 |
| Tl 190.794 | Tl            | n     |                 |               | mg/L  | 0.14902328      | -                | -                   | 2.04369546    | > 100.00        | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |                 |
| V 292.401  | V             | n     |                 |               | mg/L  | 21.88844121     | -                | -                   | 2.59595105    | 11.86           | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532809            |                 |
| Zn 206.200 | Zn            | n     |                 |               | mg/L  | 248.93757949    | -                | -                   | 4.01306010    | 1.61            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |                 |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 798374.73       | 0.00             | 0.41                | 3305.96       | 0.41            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00            |
| Y 371.029  | Y-R           |       | 0.99            | 0.99          | Ratio | 282432.74       | 0.01             | 1.01                | 2846.58       | 1.01            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 1.00            |

Label: ICAL,L8,S19713

Rack/Tube: S1:9

Type: STD

Date Time: 3/14/2024 3:31:24 PM

Weight: -

Volume: -

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Calibration Coefficient [3]: -

LIMS ID: -

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Sample Date  
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity      | Concentration SD | Concentration % RSD | Intensity SD  | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Co R <sub>s</sub> |
|------------|---------------|-------|-----------------|---------------|-------|----------------|------------------|---------------------|---------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|-------------------|
| Ag 328.068 | Ag            | n     |                 |               | mg/L  | 496.96383309   | -                | -                   | 17.24434157   | 3.47            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |                   |
| Al 396.152 | Al            | n     |                 |               | mg/L  | 1115.44960728  | -                | -                   | 4.86835955    | 0.44            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569293            |                   |
| As 188.980 | As            | n     |                 |               | mg/L  | 42.53212397    | -                | -                   | 3.25447153    | 7.65            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |                   |
| B 249.678  | B             | n     |                 |               | mg/L  | 265.50969706   | -                | -                   | 5.22788919    | 1.97            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |                   |
| Ba 230.424 | Ba            | n     |                 |               | mg/L  | 185.50011556   | -                | -                   | 16.76058693   | 9.04            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |                   |
| Be 313.107 | Be            | n     |                 |               | mg/L  | 102.55317348   | -                | -                   | 27.13023647   | 26.45           | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748559            |                   |
| Ca 317.933 | Ca-R          | n     |                 |               | mg/L  | 2227.12038477  | -                | -                   | 19.21011664   | 0.86            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |                   |
| Cd 214.439 | Cd            | n     |                 |               | mg/L  | 35.89329123    | -                | -                   | 7.71743069    | 21.50           | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |                   |
| Co 230.786 | Co            | n     |                 |               | mg/L  | 251.51976715   | -                | -                   | 5.52133837    | 2.20            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |                   |
| Cr 267.716 | Cr            | n     |                 |               | mg/L  | 334.38243965   | -                | -                   | 5.05595934    | 1.51            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |                   |
| Cu 324.754 | Cu            | n     |                 |               | mg/L  | 490.98777046   | -                | -                   | 7.95247316    | 1.62            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |                   |
| Fe 259.940 | Fe            | n     |                 |               | mg/L  | 369.18172728   | -                | -                   | 9.44460156    | 2.56            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025738            |                   |
| K 766.491  | K-R           | n     |                 |               | mg/L  | 143.63983937   | -                | -                   | 51.40694370   | 35.79           | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |                   |
| Li 670.783 | Li-R          | n     |                 |               | mg/L  | 5.32963004     | -                | -                   | 115.64418698  | > 100.00        | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |                   |
| Mg 279.800 | Mg-R          | n     |                 |               | mg/L  | 49.66164077    | -                | -                   | 4.54800335    | 9.16            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752919            |                   |
| Mn 257.610 | Mn            | n     |                 |               | mg/L  | 428.12074944   | -                | -                   | 23.34386721   | 5.45            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |                   |
| Mo 204.598 | Mo            | n     |                 |               | mg/L  | 25.63098682    | -                | -                   | 3.67347572    | 14.33           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |                   |
| Na 589.592 | Na-R          | n     |                 |               | mg/L  | 1093.57205747  | -                | -                   | 151.13862577  | 13.82           | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |                   |
| Ni 231.604 | Ni            | n     |                 |               | mg/L  | 65.09803076    | -                | -                   | 4.77468090    | 7.33            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |                   |
| P 177.434  | P             | n     | 10.00000000     | 10.00000000   | mg/L  | 31817.80593047 | -                | -                   | 1366.90217782 | 4.30            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            | 10                |
| Pb 220.353 | Pb            | n     |                 |               | mg/L  | -244.08231784  | -                | -                   | 8.40689762    | 3.44            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |                   |
| S 181.972  | S             | n     | 10.00000000     | 10.00000000   | mg/L  | 17709.08135717 | -                | -                   | 685.78074070  | 3.87            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            | 10                |
| Sb 206.834 | Sb            | n     |                 |               | mg/L  | -14.82409728   | -                | -                   | 10.20044273   | 68.81           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665209            |                   |
| Se 196.026 | Se            | n     |                 |               | mg/L  | 62.96590450    | -                | -                   | 2.19452777    | 3.49            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529698            |                   |
| Si 251.611 | Si            | n     | 10.00000000     | 10.00000000   | mg/L  | 74519.38960615 | -                | -                   | 3342.01365408 | 4.48            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            | 10                |
| Sn 189.925 | Sn            | n     |                 |               | mg/L  | 26.87784826    | -                | -                   | 3.51706093    | 13.09           | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |                   |
| Sr 421.552 | Sr-R          | n     |                 |               | mg/L  | 84.31691419    | -                | -                   | 30.06548655   | 35.66           | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |                   |
| Ti 334.941 | Ti            | n     |                 |               | mg/L  | 990.51157854   | -                | -                   | 137.72713847  | 13.90           | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |                   |
| Tl 190.794 | Tl            | n     |                 |               | mg/L  | 6.23913256     | -                | -                   | 2.06117938    | 33.04           | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |                   |
| V 292.401  | V             | n     |                 |               | mg/L  | 10.86303168    | -                | -                   | 9.80957699    | 90.30           | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532809            |                   |
| Zn 206.200 | Zn            | n     |                 |               | mg/L  | 74.65465680    | -                | -                   | 5.20248178    | 6.97            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |                   |
| Y 371.029  | Y             |       | 1.02            | 1.02          | Ratio | 813903.42      | 0.01             | 0.72                | 5877.12       | 0.72            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 10                |
| Y 371.029  | Y-R           |       | 1.02            | 1.02          | Ratio | 291035.82      | 0.00             | 0.25                | 713.75        | 0.25            |             | -                 | -               | -                       | Fitted                | -                           | -                           | 10                |

Label: ICV,S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/14/2024 3:40:03 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n!    | 0.49745706      | 0.49745706    | mg/L  | 35507.42062684   | 0.01758896       | 3.53577491          | 1238.55103876  | 3.49            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | n!    | 1.05760993      | 1.05760993    | mg/L  | 34303.50497862   | 0.04284012       | 4.05065377          | 1340.48916502  | 3.91            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569290            |
| As 188.980 | As            | n!    | 1.03911795      | 1.03911795    | mg/L  | 4102.19182416    | 0.03916857       | 3.76940595          | 153.61259556   | 3.74            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n!    | 1.02704229      | 1.02704229    | mg/L  | 34894.33223409   | 0.03951823       | 3.84777019          | 1337.48531095  | 3.83            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | n!    | 0.98306150      | 0.98306150    | mg/L  | 80251.07994240   | 0.03603740       | 3.66583382          | 2932.39932153  | 3.65            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n!    | 1.05437359      | 1.05437359    | mg/L  | 2235428.24256350 | 0.03739838       | 3.54697660          | 79290.73498645 | 3.55            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748555            |
| Ca 317.933 | Ca-R          | n!    | 51.07624515     | 51.07624515   | mg/L  | 877837.33306113  | 0.19387670       | 0.37958291          | 3323.63965769  | 0.38            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n!    | 1.00963512      | 1.00963512    | mg/L  | 148110.05434346  | 0.03633296       | 3.59862244          | 5329.16472771  | 3.60            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129925            |
| Co 230.786 | Co            | n!    | 1.01459647      | 1.01459647    | mg/L  | 34206.99226579   | 0.03502976       | 3.45258008          | 1172.10599610  | 3.43            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | n!    | 0.98836965      | 0.98836965    | mg/L  | 54442.75577755   | 0.03570515       | 3.61252991          | 1955.40824584  | 3.59            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |
| Cu 324.754 | Cu            | n!    | 1.01617744      | 1.01617744    | mg/L  | 35764.18213064   | 0.03744054       | 3.68444893          | 1300.18626608  | 3.64            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | n!    | 0.99691892      | 0.99691892    | mg/L  | 51921.87344772   | 0.03642383       | 3.65364005          | 1891.64680893  | 3.64            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025735            |
| K 766.491  | K-R           | n!    | 59.56915940     | 59.56915940   | mg/L  | 118112.64569110  | 0.02608034       | 0.04378161          | 51.77364744    | 0.04            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | n!    | 1.01288142      | 1.01288142    | mg/L  | 141583.42168405  | 0.00306510       | 0.30261158          | 428.82559087   | 0.30            | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |
| Mg 279.800 | Mg-R          | n!    | 51.01445408     | 51.01445408   | mg/L  | 145785.48070132  | 0.19428197       | 0.38083711          | 555.00274456   | 0.38            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752915            |
| Mn 257.610 | Mn            | n!    | 1.00765322      | 1.00765322    | mg/L  | 395868.33631801  | 0.03610254       | 3.58283384          | 14168.79984129 | 3.58            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | n!    | 0.99785890      | 0.99785890    | mg/L  | 6763.40087329    | 0.05026049       | 5.03683325          | 340.58680138   | 5.04            | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | n!    | 50.04367893     | 50.04367893   | mg/L  | 694468.07669576  | 0.09132006       | 0.18248071          | 1265.27631226  | 0.18            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | n!    | 1.00525424      | 1.00525424    | mg/L  | 19280.48524311   | 0.03454150       | 3.43609568          | 660.19292842   | 3.42            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |
| P 177.434  | P             | n!    | 5.22409820      | 5.22409820    | mg/L  | 16625.42647920   | 0.17763058       | 3.40021524          | 565.06120796   | 3.40            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | n!    | 1.00673113      | 1.00673113    | mg/L  | 5550.78345233    | 0.03411472       | 3.38866271          | 196.60846458   | 3.54            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | n!    | 5.34429686      | 5.34429686    | mg/L  | 9476.87682143    | 0.15682179       | 2.93437639          | 277.48856792   | 2.93            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n!    | 0.98040497      | 0.98040497    | mg/L  | 2216.26977446    | 0.04348094       | 4.43499755          | 99.84949495    | 4.51            | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665205            |
| Se 196.026 | Se            | n!    | 1.01393057      | 1.01393057    | mg/L  | 2832.34682322    | 0.05069530       | 4.99987909          | 138.56343840   | 4.89            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529695            |
| Si 251.611 | Si            | n!    | 5.30259689      | 5.30259689    | mg/L  | 39556.45187842   | 0.23539560       | 4.43925136          | 1752.24790909  | 4.43            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | n!    | 5.03036185      | 5.03036185    | mg/L  | 41656.04590710   | 0.19545169       | 3.88543992          | 1617.32906804  | 3.88            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | n!    | 1.04476780      | 1.04476780    | mg/L  | 599456.46822712  | 0.00129563       | 0.12401118          | 742.96595831   | 0.12            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n!    | 1.03074080      | 1.03074080    | mg/L  | 322034.66446373  | 0.04560614       | 4.42459794          | 14227.16358357 | 4.42            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | n!    | 1.09920551      | 1.09920551    | mg/L  | 2674.96551418    | 0.03845155       | 3.49812227          | 93.86631557    | 3.51            | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | n!    | 1.02048736      | 1.02048736    | mg/L  | 32172.68316875   | 0.03864844       | 3.78725329          | 1218.92440291  | 3.79            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532805            |
| Zn 206.200 | Zn            | n!    | 1.00726870      | 1.00726870    | mg/L  | 44019.78153107   | 0.03493848       | 3.46863560          | 1523.70595728  | 3.46            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             | !     | 0.98            | 0.98          | Ratio | 778319.17        | 0.00             | 0.48                | 3735.43        | 0.48            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | !     | 0.97            | 0.97          | Ratio | 276157.13        | 0.00             | 0.23                | 636.76         | 0.23            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466012 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 15:43 |
| Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 800149 | 0.50   |
| Yttrium             | R  | 284653        | 286180 | 0.54   |

|                   |                      |              |      |                              |    |
|-------------------|----------------------|--------------|------|------------------------------|----|
| Label:            | ICB                  | Rack/Tube:   | S1:1 | Type:                        | QC |
| Date Time:        | 3/14/2024 3:43:10 PM | Weight:      | -    | Volume:                      | -  |
| Dilution:         | -                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                    | Customer:    | -    | Customer Ref.:               | -  |
| Sample Date Time: | -                    | Sample Site: | -    | Description:                 | -  |
| Replicates:       | 3                    |              |      |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00004301     | -0.00004301   | mg/L  | 475.08499869  | 0.00033409       | 776.75928672        | 23.52540274  | 4.95            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | nu    | -0.00200311     | -0.00200311   | mg/L  | 998.64964241  | 0.00121865       | 60.83817801         | 38.13233203  | 3.82            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569293            |
| As 188.980 | As            | n     | 0.00303471      | 0.00303471    | mg/L  | 38.70542210   | 0.00162934       | 53.69028636         | 6.39001069   | 16.51           | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n     | 0.00124661      | 0.00124661    | mg/L  | 172.79353347  | 0.00046959       | 37.66959969         | 15.89332876  | 9.20            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | nu    | -0.00051694     | -0.00051694   | mg/L  | 196.23701448  | 0.00007991       | 15.45762435         | 6.50208530   | 3.31            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n     | 0.00002035      | 0.00002035    | mg/L  | 26.64079291   | 0.00001254       | 61.65297241         | 26.59589607  | 99.83           | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.497510483882            | 2120164.70748559            |
| Ca 317.933 | Ca-R          | nu    | 0.00160445      | 0.00160445    | mg/L  | 2190.05732654 | 0.00258031       | 160.82219059        | 44.23440266  | 2.02            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n     | 0.00007657      | 0.00007657    | mg/L  | 31.49142779   | 0.00005160       | 67.39124123         | 7.56846677   | 24.03           | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |
| Co 230.786 | Co            | nu    | -0.00030398     | -0.00030398   | mg/L  | 247.84141548  | 0.00022054       | 72.55253646         | 7.37940129   | 2.98            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | nu    | 0.00002251      | 0.00002251    | mg/L  | 310.62777940  | 0.00004418       | 196.23269484        | 2.41954286   | 0.78            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |
| Cu 324.754 | Cu            | n     | 0.00105359      | 0.00105359    | mg/L  | 471.27684524  | 0.00057837       | 54.89511915         | 20.08483725  | 4.26            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | nu    | 0.00007785      | 0.00007785    | mg/L  | 68.33370481   | 0.00017625       | 226.38982005        | 9.15317387   | 13.39           | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025738            |
| K 766.491  | K-R           | n     | 0.15058843      | 0.15058843    | mg/L  | 145.20653663  | 0.01938398       | 12.87215675         | 38.48030757  | 26.50           | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | n     | 0.00073635      | 0.00073635    | mg/L  | -37.84215519  | 0.00031453       | 42.71435011         | 44.00430716  | > 100.00        | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |
| Mg 279.800 | Mg-R          | nu    | -0.00391658     | -0.00391658   | mg/L  | 39.89171302   | 0.00197362       | 50.39152752         | 5.63802102   | 14.13           | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752919            |
| Mn 257.610 | Mn            | n     | 0.00012099      | 0.00012099    | mg/L  | 388.54913785  | 0.00003171       | 26.21079968         | 12.44631546  | 3.20            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | n     | 0.00298410      | 0.00298410    | mg/L  | 20.07741461   | 0.00053304       | 17.86273122         | 3.61212279   | 17.99           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | nu    | -0.00366007     | -0.00366007   | mg/L  | 954.35592413  | 0.00836014       | 228.41495175        | 115.83305414 | 12.14           | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | nu    | 0.00019243      | 0.00019243    | mg/L  | 61.98064547   | 0.00108100       | 561.75473075        | 20.66113950  | 33.33           | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |
| P 177.434  | P             | nu    | -0.00124957     | -0.00124957   | mg/L  | 2.79938250    | 0.00027364       | 21.89859681         | 0.87047151   | 31.10           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | nu    | -0.00047945     | -0.00047945   | mg/L  | -252.29146557 | 0.00156542       | 326.50438902        | 9.02173159   | 3.58            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | nu    | 0.00081761      | 0.00081761    | mg/L  | 16.01132931   | 0.00465461       | 569.29412554        | 8.23610899   | 51.44           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n     | 0.00615517      | 0.00615517    | mg/L  | -21.62909520  | 0.00456115       | 74.10281623         | 10.47421878  | 48.43           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665209            |
| Se 196.026 | Se            | nu    | 0.00028309      | 0.00028309    | mg/L  | 60.19508835   | 0.00145675       | 514.58795123        | 3.98167540   | 6.61            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529698            |
| Si 251.611 | Si            | nu    | 0.00034443      | 0.00034443    | mg/L  | 83.52371980   | 0.00049227       | 142.92237833        | 3.66438777   | 4.39            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | nu    | 0.00015001      | 0.00015001    | mg/L  | 30.83486208   | 0.00063419       | 422.77091410        | 5.24777379   | 17.02           | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | nu    | 0.00001532      | 0.00001532    | mg/L  | 30.01388760   | 0.00004549       | 296.95512113        | 26.08381140  | 86.91           | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n     | 0.00046947      | 0.00046947    | mg/L  | 624.38442220  | 0.00002254       | 4.80060434          | 7.03065463   | 1.13            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | n     | 0.00369344      | 0.00369344    | mg/L  | 1.09877334    | 0.00044980       | 12.17844214         | 1.09804161   | 99.93           | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | nu    | -0.00003525     | -0.00003525   | mg/L  | 3.72422535    | 0.00040630       | 1152.74533153       | 12.81426558  | > 100.00        | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532809            |
| Zn 206.200 | Zn            | n     | 0.00007911      | 0.00007911    | mg/L  | 32.82549887   | 0.00005430       | 68.64681546         | 2.36825277   | 7.21            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             |       | 1.01            | 1.01          | Ratio | 800148.72     | 0.01             | 0.59                | 4727.00      | 0.59            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.01            | 1.01          | Ratio | 286179.81     | 0.01             | 0.94                | 2688.22      | 0.94            |             | -                 | -               | -                       | Fitted                | -                           | -                           |



ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504324 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | File: icp data       | IDF: 1.0                |
| Seqnum: 674107466014 | Caldate: 14-MAR-2024 | Time: 14-MAR-2024 15:49 |
| Cal: 674107466001    |                      |                         |

Standards: S20136

| Analyte | Ch | Quant   | IQL      | Units | Flags  |
|---------|----|---------|----------|-------|--------|
| Lead    | A  | 0.01285 | 0.003333 | mg/L  | a+ *** |

| Interferent        | Ch | Spiked | Quant | Units | %Rec | Flags |
|--------------------|----|--------|-------|-------|------|-------|
| Aluminum           | A  | 400.0  | 384.8 | mg/L  | 96   |       |
| Aluminum as Al2O3  | A  | 755.8  | 727.1 | mg/L  | 96   |       |
| Iron               | A  | 160.0  | 137.4 | mg/L  | 86   |       |
| Iron as Fe2O3      | A  | 228.8  | 196.4 | mg/L  | 86   |       |
| Calcium            | R  | 400.0  | 379.0 | mg/L  | 95   |       |
| Calcium as CaCO3   | R  | 998.9  | 946.4 | mg/L  | 95   |       |
| Magnesium          | R  | 400.0  | 393.6 | mg/L  | 98   |       |
| Magnesium as MgCO3 | R  | 1388   | 1365  | mg/L  | 98   |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 728202 | -8.53  |
| Yttrium             | R  | 284653        | 260027 | -8.65  |

+ = high bias a = ICSA

Label: ICSA,S20136 Rack/Tube: S1:14 Type: QC  
 Date Time: 3/14/2024 3:49:26 PM Weight: - Volume: -  
 Dilution: - %RSE limit: - Calibration Coefficient [3]: -  
 LIMS ID: - Customer: - Customer Ref.: -  
 Sample Date Time: - Sample Site: - Description: -  
 Replicates: 3

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | 0.00009870      | 0.00009870    | mg/L  | 487.74766672      | 0.00063723       | 645.63387550        | 44.87132104     | 9.20            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.0                     |
| Al 396.152 | Al            | no    | 384.82977691    | 384.82977691  | mg/L  | 12044165.09218960 | 13.22061601      | 3.43544518          | 413679.83816218 | 3.43            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.0                     |
| As 188.980 | As            | nK    | 0.00665330      | 0.00665330    | mg/L  | 69.64353829       | 0.00089222       | 13.41022765         | 3.49914876      | 5.02            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.8                      |
| B 249.678  | B             | n     | 0.00117158      | 0.00117158    | mg/L  | 142.92725022      | 0.00064714       | 55.23664721         | 21.90241621     | 15.32           | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.0                     |
| Ba 230.424 | Ba            | n     | 0.00117549      | 0.00117549    | mg/L  | 676.33863588      | 0.00001543       | 1.31256168          | 1.25548001      | 0.19            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.0                     |
| Be 313.107 | Be            | n     | 0.00003835      | 0.00003835    | mg/L  | 41.69172975       | 0.00001356       | 35.36514159         | 28.75295589     | 68.97           | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 212016.0                    |
| Ca 317.933 | Ca-R          | no    | 378.97631612    | 378.97631612  | mg/L  | 6502777.31476082  | 0.75446804       | 0.19908053          | 12933.89013474  | 0.20            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0                     |
| Cd 214.439 | Cd            | nu    | 0.00006520      | 0.00006520    | mg/L  | 332.09856104      | 0.00010787       | 165.43426836        | 15.82158294     | 4.76            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.0                    |
| Co 230.786 | Co            | nKu   | -0.00197282     | -0.00197282   | mg/L  | 315.93182135      | 0.00027228       | 13.80157898         | 9.11058011      | 2.88            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.0                     |
| Cr 267.716 | Cr            | n     | 0.00021137      | 0.00021137    | mg/L  | 419.81199079      | 0.00023562       | 111.47620373        | 12.90406900     | 3.07            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.0                     |
| Cu 324.754 | Cu            | nKu   | -0.00846707     | -0.00846707   | mg/L  | 441.98356916      | 0.00037622       | 4.44334101          | 13.06490360     | 2.96            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.0                     |
| Fe 259.940 | Fe            | no    | 137.37042695    | 137.37042695  | mg/L  | 7135165.87469356  | 5.70266617       | 4.15130556          | 296164.09325652 | 4.15            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.0                     |
| K 766.491  | K-R           | n     | 0.07810818      | 0.07810818    | mg/L  | 203.12933201      | 0.01411575       | 18.07204825         | 28.02202356     | 13.80           | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.1                      |
| Li 670.783 | Li-R          | n     | 0.00042835      | 0.00042835    | mg/L  | 48.67795975       | 0.00029308       | 68.42118009         | 41.00419066     | 84.24           | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.0                    |
| Mg 279.800 | Mg-R          | no    | 393.55252626    | 393.55252626  | mg/L  | 1124568.08704943  | 0.35563589       | 0.09036555          | 1015.94032390   | 0.09            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.6                      |
| Mn 257.610 | Mn            | nu    | -0.00056229     | -0.00056229   | mg/L  | 1123.13767792     | 0.00008460       | 15.04475068         | 33.20039905     | 2.96            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.0                    |
| Mo 204.598 | Mo            | nKu   | -0.00469862     | -0.00469862   | mg/L  | 20.15419415       | 0.00036981       | 7.87058489          | 2.50598578      | 12.43           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.4                      |
| Na 589.592 | Na-R          | n     | 0.07438112      | 0.07438112    | mg/L  | 2504.13337939     | 0.01453588       | 19.54242845         | 201.40043337    | 8.04            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.0                     |
| Ni 231.604 | Ni            | nKu   | -0.00395144     | -0.00395144   | mg/L  | 99.74333566       | 0.00041165       | 10.41765288         | 7.86782163      | 7.89            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0                     |
| P 177.434  | P             | n     | 0.00107832      | 0.00107832    | mg/L  | 19.77330032       | 0.00054018       | 50.09517086         | 1.71838367      | 8.69            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.1                      |
| Pb 220.353 | Pb            | nK    | 0.01285000      | 0.01285000    | mg/L  | -949.02455348     | 0.00141049       | 10.97656562         | 8.12886725      | 0.86            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.1                      |
| S 181.972  | S             | n     | 0.06492226      | 0.06492226    | mg/L  | 195.51917131      | 0.00688641       | 10.60716224         | 12.18516807     | 6.23            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.4                      |
| Sb 206.834 | Sb            | n     | 0.00647317      | 0.00647317    | mg/L  | -13.16753898      | 0.00283779       | 43.83931897         | 6.51669821      | 49.49           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.3                      |
| Se 196.026 | Se            | nu    | 0.00427672      | 0.00427672    | mg/L  | 88.44667021       | 0.00104789       | 24.50220707         | 2.86415958      | 3.24            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.2                      |
| Si 251.611 | Si            | nu    | -0.00081381     | -0.00081381   | mg/L  | 123.82558435      | 0.00112985       | 138.83484703        | 8.41043866      | 6.79            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.8                      |
| Sn 189.925 | Sn            | nu    | -0.00017836     | -0.00017836   | mg/L  | 45.49258629       | 0.00128299       | 719.34298548        | 10.61656207     | 23.34           | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.8                      |
| Sr 421.552 | Sr-R          | nu    | -0.00186913     | -0.00186913   | mg/L  | 1485.23589484     | 0.00003575       | 1.91250671          | 20.49886728     | 1.38            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.0                    |
| Ti 334.941 | Ti            | nu    | -0.00054976     | -0.00054976   | mg/L  | 508.19675288      | 0.00024788       | 45.08918297         | 77.32927963     | 15.22           | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.0                    |
| Tl 190.794 | Tl            | n     | 0.00717363      | 0.00717363    | mg/L  | 2.68441631        | 0.00139023       | 19.37978450         | 3.39378028      | > 100.00        | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.1                      |
| V 292.401  | V             | n     | 0.00103964      | 0.00103964    | mg/L  | -176.98367742     | 0.00043309       | 41.65773379         | 13.65918519     | 7.72            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.0                     |
| Zn 206.200 | Zn            | nKu   | -0.05168659     | -0.05168659   | mg/L  | 84.43514033       | 0.00026451       | 0.51176488          | 11.53574052     | 13.66           | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.0                     |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 728201.79         | 0.00             | 0.54                | 3941.09         | 0.54            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.91            | 0.91          | Ratio | 260027.41         | 0.00             | 0.06                | 168.60          | 0.06            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466015 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 15:52 |
| Caldate: 14-MAR-2024 |                         |

Standards: S20133

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.040 | mg/L  | 4  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 724996 | -8.94  |
| Yttrium             | R  | 284653        | 259689 | -8.77  |

|                                 |                  |                                |
|---------------------------------|------------------|--------------------------------|
| Label: ICSAB,S20133             | Rack:Tube: S1:15 | Type: QC                       |
| Date Time: 3/14/2024 3:52:33 PM | Weight: -        | Volume: -                      |
| Dilution: -                     | %RSE limit: -    | Calibration Coefficient [3]: - |
| LIMS ID: -                      | Customer: -      | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -   | Description: -                 |
| Replicates: 3                   |                  |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity         | Concentration SD | Concentration % RSD | Intensity SD    | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|-------------------|------------------|---------------------|-----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 1.09965555      | 1.09965555    | mg/L  | 77914.74671121    | 0.04208912       | 3.82748186          | 2963.76326499   | 3.80            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416                       |
| Al 396.152 | Al            | no    | 403.74107298    | 403.74107298  | mg/L  | 12635992.60665760 | 14.53646156      | 3.60044160          | 454853.31837480 | 3.60            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290                       |
| As 188.980 | As            | n     | 0.00360424      | 0.00360424    | mg/L  | 58.60462890       | 0.00208490       | 57.84589675         | 8.17664763      | 13.95           | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.8                      |
| B 249.678  | B             | n     | 0.00126497      | 0.00126497    | mg/L  | 144.75501279      | 0.00041155       | 32.53477253         | 13.92897457     | 9.62            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844                       |
| Ba 230.424 | Ba            | n     | 0.50987591      | 0.50987591    | mg/L  | 42089.58733959    | 0.02225057       | 4.36391905          | 1810.55128283   | 4.30            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370                       |
| Be 313.107 | Be            | n     | 0.55133679      | 0.55133679    | mg/L  | 1168883.93696377  | 0.01986764       | 3.60354011          | 42122.67439335  | 3.60            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.497510483882            | 21201                       |
| Ca 317.933 | Ca-R          | no    | 401.43791991    | 401.43791991  | mg/L  | 6888060.18047149  | 0.54545255       | 0.13587469          | 9350.72520018   | 0.14            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143                       |
| Cd 214.439 | Cd            | n     | 1.01650450      | 1.01650450    | mg/L  | 149435.44967830   | 0.04132041       | 4.06495149          | 6060.70413272   | 4.06            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 14667                       |
| Co 230.786 | Co            | n     | 0.50179946      | 0.50179946    | mg/L  | 17178.93552121    | 0.01726353       | 3.44032390          | 577.64271865    | 3.36            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460                       |
| Cr 267.716 | Cr            | n     | 0.51329237      | 0.51329237    | mg/L  | 28524.39546011    | 0.01649374       | 3.21332263          | 903.28693092    | 3.17            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765                       |
| Cu 324.754 | Cu            | n     | 0.55965833      | 0.55965833    | mg/L  | 20188.71335191    | 0.01994820       | 3.56435339          | 692.73512720    | 3.43            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726                       |
| Fe 259.940 | Fe            | no    | 144.54672744    | 144.54672744  | mg/L  | 7507910.43914694  | 4.86198899       | 3.36361056          | 252504.09499541 | 3.36            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934                       |
| K 766.491  | K-R           | n     | 0.05909161      | 0.05909161    | mg/L  | 176.65467408      | 0.01454829       | 24.61989798         | 28.88069639     | 16.35           | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.1                      |
| Li 670.783 | Li-R          | nu    | 0.00009927      | 0.00009927    | mg/L  | 9.94868146        | 0.00019569       | 197.12573614        | 27.37814978     | > 100.00        | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 13990                       |
| Mg 279.800 | Mg-R          | no    | 415.52515548    | 415.52515548  | mg/L  | 1187350.92376502  | 1.11912160       | 0.26932704          | 3196.97985140   | 0.27            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.8                      |
| Mn 257.610 | Mn            | n     | 0.51450780      | 0.51450780    | mg/L  | 203322.25560729   | 0.01775051       | 3.44999873          | 6966.36453485   | 3.43            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 39245                       |
| Mo 204.598 | Mo            | nu    | -0.00025933     | -0.00025933   | mg/L  | 53.23731893       | 0.00149631       | 576.99563546        | 10.13965870     | 19.05           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.4                      |
| Na 589.592 | Na-R          | n     | 0.29623578      | 0.29623578    | mg/L  | 5603.88662495     | 0.01277234       | 4.31154659          | 176.96597300    | 3.16            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855                       |
| Ni 231.604 | Ni            | n     | 0.99966605      | 0.99966605    | mg/L  | 19288.47421351    | 0.03383698       | 3.38482842          | 646.72746629    | 3.35            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113                       |
| P 177.434  | P             | nu    | -0.00016854     | -0.00016854   | mg/L  | 16.30025842       | 0.00174204       | 1033.58260867       | 5.54162041      | 34.00           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.1                      |
| Pb 220.353 | Pb            | n     | 1.04010226      | 1.04010226    | mg/L  | 4925.39062022     | 0.03192519       | 3.06942766          | 183.98982754    | 3.74            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.1                      |
| S 181.972  | S             | n     | 0.06588240      | 0.06588240    | mg/L  | 200.79615341      | 0.00340055       | 5.16155285          | 6.01711747      | 3.00            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.4                      |
| Sb 206.834 | Sb            | n     | 0.01046677      | 0.01046677    | mg/L  | -3.67935724       | 0.00249136       | 23.80260731         | 5.72115907      | > 100.00        | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.8                      |
| Se 196.026 | Se            | n     | 0.00282811      | 0.00282811    | mg/L  | 85.60669186       | 0.00260823       | 92.22510515         | 7.12897534      | 8.33            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.2                      |
| Si 251.611 | Si            | nu    | -0.00222298     | -0.00222298   | mg/L  | 116.14873584      | 0.00092773       | 41.73359528         | 6.90588669      | 5.95            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.8                      |
| Sn 189.925 | Sn            | nu    | -0.00078574     | -0.00078574   | mg/L  | 41.45000915       | 0.00092372       | 117.56061885        | 7.64365621      | 18.44           | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.8                      |
| Sr 421.552 | Sr-R          | nu    | -0.00198328     | -0.00198328   | mg/L  | 1548.46879792     | 0.00001684       | 0.84908313          | 9.65654615      | 0.62            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 57344                       |
| Ti 334.941 | Ti            | nu    | -0.00021979     | -0.00021979   | mg/L  | 622.51901289      | 0.00006167       | 28.06005455         | 19.23952428     | 3.09            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 31195                       |
| Tl 190.794 | Tl            | n     | 0.00900894      | 0.00900894    | mg/L  | 6.78291390        | 0.00072254       | 8.02021005          | 1.76382414      | 26.00           | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.1                      |
| V 292.401  | V             | n     | 0.53381900      | 0.53381900    | mg/L  | 16615.01874460    | 0.01918959       | 3.59477526          | 605.21622774    | 3.64            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538                       |
| Zn 206.200 | Zn            | n     | 0.94943212      | 0.94943212    | mg/L  | 43867.79616675    | 0.03977624       | 4.18947710          | 1734.68605790   | 3.95            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611                       |
| Y 371.029  | Y             |       | 0.91            | 0.91          | Ratio | 724995.86         | 0.00             | 0.49                | 3549.40         | 0.49            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.91            | 0.91          | Ratio | 259689.06         | 0.00             | 0.43                | 1116.90         | 0.43            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY CONTINUING CALIBRATION FOR 504324 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674107466039 | File: icp data       | Time: 14-MAR-2024 17:17 |
| Cal: 674107466001    | Caldate: 14-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -11307         | 5560.1    | 1.000  | 1.008 | mg/L  | 1  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 769956 | -3.29  |
| Yttrium             | R  | 284653        | 274612 | -3.53  |

Label: CCV,S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/14/2024 5:17:28 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n!    | 0.49962272      | 0.49962272    | mg/L  | 35659.92300179   | 0.01719712       | 3.44202072          | 1210.95877981  | 3.40            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | n!    | 1.06550630      | 1.06550630    | mg/L  | 34548.80661335   | 0.04253750       | 3.99223321          | 1331.02001798  | 3.85            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569290            |
| As 188.980 | As            | n!    | 1.04809759      | 1.04809759    | mg/L  | 4137.40847666    | 0.03664278       | 3.49612312          | 143.70686334   | 3.47            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n!    | 1.03955038      | 1.03955038    | mg/L  | 35317.61535532   | 0.03421138       | 3.29097833          | 1157.87621218  | 3.28            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | n!    | 0.98196892      | 0.98196892    | mg/L  | 80161.85134533   | 0.03986936       | 4.06014437          | 3244.20929517  | 4.05            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n!    | 1.06436947      | 1.06436947    | mg/L  | 2256621.16600778 | 0.03960606       | 3.72108191          | 83971.37003361 | 3.72            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748556            |
| Ca 317.933 | Ca-R          | n!    | 50.547776782    | 50.547776782  | mg/L  | 868776.51456660  | 0.10339441       | 0.20454792          | 1772.49646015  | 0.20            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n!    | 1.01195282      | 1.01195282    | mg/L  | 148450.00834090  | 0.03992658       | 3.94549790          | 5856.26192644  | 3.94            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |
| Co 230.786 | Co            | n!    | 1.02090280      | 1.02090280    | mg/L  | 34418.00884121   | 0.03454691       | 3.38395672          | 1155.94980396  | 3.36            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | n!    | 0.99118075      | 0.99118075    | mg/L  | 54596.64610402   | 0.03845301       | 3.87951535          | 2105.89601594  | 3.86            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626686            |
| Cu 324.754 | Cu            | n!    | 1.02162208      | 1.02162208    | mg/L  | 35952.47995217   | 0.03862140       | 3.78039999          | 1341.19372193  | 3.73            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | n!    | 1.00669275      | 1.00669275    | mg/L  | 52428.20012687   | 0.03526946       | 3.50349760          | 1831.69524750  | 3.49            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025736            |
| K 766.491  | K-R           | n!    | 59.62976677     | 59.62976677   | mg/L  | 118232.78791689  | 0.21649388       | 0.36306344          | 429.77507586   | 0.36            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | n!    | 1.01484927      | 1.01484927    | mg/L  | 141858.34484163  | 0.00456494       | 0.44981469          | 638.66296469   | 0.45            | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327856            |
| Mg 279.800 | Mg-R          | n!    | 49.95590011     | 49.95590011   | mg/L  | 142761.50805757  | 0.23466700       | 0.46974832          | 670.37012009   | 0.47            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752916            |
| Mn 257.610 | Mn            | n!    | 1.01299861      | 1.01299861    | mg/L  | 397965.20118876  | 0.03760111       | 3.71186148          | 14756.92634240 | 3.71            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | n!    | 1.00379415      | 1.00379415    | mg/L  | 6803.59236830    | 0.05330151       | 5.32992801          | 362.54933318   | 5.33            | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | n!    | 50.08383282     | 50.08383282   | mg/L  | 695023.11272996  | 0.12185007       | 0.24329222          | 1688.28185219  | 0.24            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | n!    | 1.00924156      | 1.00924156    | mg/L  | 19356.55163450   | 0.03599832       | 3.56686856          | 688.03722439   | 3.55            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747146            |
| P 177.434  | P             | n!    | 5.33384744      | 5.33384744    | mg/L  | 16974.55045783   | 0.17946762       | 3.36469354          | 570.90501318   | 3.36            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | n!    | 1.00835463      | 1.00835463    | mg/L  | 5560.12851051    | 0.03377188       | 3.34920704          | 194.63263480   | 3.50            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | n!    | 5.39108920      | 5.39108920    | mg/L  | 9559.60371818    | 0.15462129       | 2.86808991          | 273.59488967   | 2.86            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n!    | 0.98122500      | 0.98122500    | mg/L  | 2218.14404927    | 0.04449644       | 4.53478476          | 102.18149799   | 4.61            | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665206            |
| Se 196.026 | Se            | n!    | 1.01623316      | 1.01623316    | mg/L  | 2838.61512085    | 0.05477008       | 5.38951900          | 149.70086104   | 5.27            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529696            |
| Si 251.611 | Si            | n!    | 5.33313583      | 5.33313583    | mg/L  | 39783.72301698   | 0.21213398       | 3.97765941          | 1579.09202400  | 3.97            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | n!    | 5.04016636      | 5.04016636    | mg/L  | 41737.16335402   | 0.21342816       | 4.23454602          | 1766.08131665  | 4.23            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | n!    | 1.04754209      | 1.04754209    | mg/L  | 601044.19744598  | 0.00078813       | 0.07523636          | 451.94704799   | 0.08            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n!    | 1.04209217      | 1.04209217    | mg/L  | 325575.67388770  | 0.04244970       | 4.07350683          | 13242.48918781 | 4.07            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | nQ!   | 1.10256981      | 1.10256981    | mg/L  | 2683.18470751    | 0.03702686       | 3.35823264          | 90.38841348    | 3.37            | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139976            |
| V 292.401  | V             | n!    | 1.02697987      | 1.02697987    | mg/L  | 32377.62252028   | 0.03664507       | 3.56823596          | 1155.74038715  | 3.57            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532806            |
| Zn 206.200 | Zn            | n!    | 1.00903203      | 1.00903203    | mg/L  | 44095.93113482   | 0.03918604       | 3.88352817          | 1708.94685894  | 3.88            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             | !     | 0.97            | 0.97          | Ratio | 769955.92        | 0.01             | 0.53                | 4084.47        | 0.53            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | !     | 0.96            | 0.96          | Ratio | 274611.53        | 0.01             | 0.58                | 1605.36        | 0.58            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466040 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 17:20 |
| Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 797294 | 0.14   |
| Yttrium             | R  | 284653        | 285204 | 0.19   |

|                                 |                 |                                |
|---------------------------------|-----------------|--------------------------------|
| Label: CCB                      | Rack/Tube: S1:1 | Type: QC                       |
| Date Time: 3/14/2024 5:20:35 PM | Weight: -       | Volume: -                      |
| Dilution: -                     | %RSE limit: -   | Calibration Coefficient [3]: - |
| LIMS ID: -                      | Customer: -     | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -  | Description: -                 |
| Replicates: 3                   |                 |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | -0.00000451     | -0.00000451   | mg/L  | 477.79656099  | 0.00034752       | 7713.99048822       | 24.47100563  | 5.12            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.381012361             |
| Al 396.152 | Al            | nu    | -0.00056843     | -0.00056843   | mg/L  | 1043.53033348 | 0.00144042       | 253.40513596        | 45.07156479  | 4.32            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.511556929             |
| As 188.980 | As            | nu    | -0.00036457     | -0.00036457   | mg/L  | 25.37408977   | 0.00219563       | 602.25200412        | 8.61087793   | 33.94           | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.8327602938             |
| B 249.678  | B             | n     | 0.00131409      | 0.00131409    | mg/L  | 175.07735825  | 0.00005558       | 4.22956570          | 1.88110760   | 1.07            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | nu    | -0.00054837     | -0.00054837   | mg/L  | 193.68091159  | 0.00027920       | 50.91510546         | 22.71918707  | 11.73           | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.998788838             |
| Be 313.107 | Be            | n     | 0.00004069      | 0.00004069    | mg/L  | 69.77361952   | 0.00000297       | 7.29157767          | 6.29050729   | 9.02            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.7074855             |
| Ca 317.933 | Ca-R          | n     | 0.00097796      | 0.00097796    | mg/L  | 2179.35549969 | 0.00017374       | 17.76587620         | 2.97848306   | 0.14            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.058989122             |
| Cd 214.439 | Cd            | n     | 0.00007447      | 0.00007447    | mg/L  | 31.18492435   | 0.00006319       | 84.84676297         | 9.26835721   | 29.72           | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.78212992             |
| Co 230.786 | Co            | nu    | -0.00021500     | -0.00021500   | mg/L  | 250.81861968  | 0.00026431       | 122.93579285        | 8.84400388   | 3.53            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.296170075             |
| Cr 267.716 | Cr            | nu    | -0.00014459     | -0.00014459   | mg/L  | 301.47615607  | 0.00007988       | 55.24480391         | 4.37471492   | 1.45            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.440962668             |
| Cu 324.754 | Cu            | n     | 0.00167291      | 0.00167291    | mg/L  | 492.78293128  | 0.00062707       | 37.48401369         | 21.77623886  | 4.42            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.697634161             |
| Fe 259.940 | Fe            | n     | 0.00094346      | 0.00094346    | mg/L  | 113.28666314  | 0.00069315       | 73.46905512         | 35.99817739  | 31.78           | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.320602573             |
| K 766.491  | K-R           | n     | 0.14915039      | 0.14915039    | mg/L  | 142.35202595  | 0.02768546       | 18.56211127         | 54.96008121  | 38.61           | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.1603635495             |
| Li 670.783 | Li-R          | nu    | -0.00038431     | -0.00038431   | mg/L  | -194.63098451 | 0.00022077       | 57.44591839         | 30.88717099  | 15.87           | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.06832785             |
| Mg 279.800 | Mg-R          | nu    | -0.00297090     | -0.00297090   | mg/L  | 42.59316633   | 0.00198536       | 66.82694127         | 5.67156244   | 13.32           | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.6867575291             |
| Mn 257.610 | Mn            | n     | 0.00009960      | 0.00009960    | mg/L  | 380.14981437  | 0.00001913       | 19.20993852         | 7.50890256   | 1.98            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | nZ    | 0.00398915      | 0.00398915    | mg/L  | 26.88838428   | 0.00022788       | 5.71258490          | 1.54423695   | 5.74            | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.4323273051             |
| Na 589.592 | Na-R          | nu    | -0.00201310     | -0.00201310   | mg/L  | 977.17024436  | 0.00934498       | 464.20944640        | 129.47852879 | 13.25           | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.403550389             |
| Ni 231.604 | Ni            | n     | 0.00046771      | 0.00046771    | mg/L  | 67.24204000   | 0.00016463       | 35.19921467         | 3.14661457   | 4.68            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.037174714             |
| P 177.434  | P             | nu    | 0.00052672      | 0.00052672    | mg/L  | 8.44990264    | 0.00174889       | 332.03697638        | 5.56341020   | 65.84           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.1031539333             |
| Pb 220.353 | Pb            | nu    | 0.00065282      | 0.00065282    | mg/L  | -245.77645066 | 0.00149252       | 228.62842914        | 8.60165319   | 3.50            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.1559225804             |
| S 181.972  | S             | nu    | -0.00036546     | -0.00036546   | mg/L  | 13.91772479   | 0.00035499       | 97.13638800         | 0.62813773   | 4.51            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.4516562574             |
| Sb 206.834 | Sb            | n     | 0.00674156      | 0.00674156    | mg/L  | -20.28276038  | 0.00294254       | 43.64779417         | 6.75724940   | 33.32           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.3970666520             |
| Se 196.026 | Se            | nu    | 0.00017881      | 0.00017881    | mg/L  | 59.91035289   | 0.00142884       | 799.10175705        | 3.90538612   | 6.52            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.2599052969             |
| Si 251.611 | Si            | n     | 0.00377156      | 0.00377156    | mg/L  | 109.03489355  | 0.00201705       | 53.48052770         | 15.01461255  | 13.77           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.8429436550             |
| Sn 189.925 | Sn            | nu    | 0.00020899      | 0.00020899    | mg/L  | 31.32295924   | 0.00051620       | 247.00472633        | 4.27149137   | 13.64           | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.8278551757             |
| Sr 421.552 | Sr-R          | nu    | -0.00001792     | -0.00001792   | mg/L  | 10.92229481   | 0.00002693       | 150.21468896        | 15.44031843  | > 100.00        | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.38785050             |
| Ti 334.941 | Ti            | n     | 0.00047652      | 0.00047652    | mg/L  | 626.58687901  | 0.00008203       | 17.21348279         | 25.58875038  | 4.08            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.22305693             |
| Tl 190.794 | Tl            | n     | 0.00365385      | 0.00365385    | mg/L  | 1.00213328    | 0.00109165       | 29.87677993         | 2.66489792   | > 100.00        | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.1579913997             |
| V 292.401  | V             | nu    | -0.00000083     | -0.00000083   | mg/L  | 4.81089868    | 0.00025012       | 29992.52980822      | 7.88838301   | > 100.00        | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.772953280             |
| Zn 206.200 | Zn            | n     | 0.00017718      | 0.00017718    | mg/L  | 37.09940489   | 0.00019862       | 112.10216004        | 8.66206407   | 23.35           | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 797293.85     | 0.01             | 0.57                | 4510.87      | 0.57            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 1.00            | 1.00          | Ratio | 285204.14     | 0.00             | 0.37                | 1061.68      | 0.37            |             | -                 | -               | -                       | Fitted                | -                           | -                           |



ENTHALPY CONTINUING CALIBRATION FOR 504324 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674107466053 | File: icp data       | Time: 14-MAR-2024 18:06 |
| Cal: 674107466001    | Caldate: 14-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -11307         | 5557.8    | 1.000  | 1.008 | mg/L  | 1  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 768129 | -3.52  |
| Yttrium             | R  | 284653        | 271275 | -4.70  |

Label: CCV,S20103

Rack/Tube: S1:12

Type: QC

Date Time: 3/14/2024 6:06:27 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n!    | 0.50110437      | 0.50110437    | mg/L  | 35764.25783469   | 0.01643822       | 3.28039941          | 1157.52031150  | 3.24            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | n!    | 1.06353412      | 1.06353412    | mg/L  | 34489.33271051   | 0.04333818       | 4.07492178          | 1356.07392978  | 3.93            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569290            |
| As 188.980 | As            | n!    | 1.05172797      | 1.05172797    | mg/L  | 4151.64800032    | 0.03983485       | 3.78756184          | 156.22560933   | 3.76            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n!    | 1.04020345      | 1.04020345    | mg/L  | 35339.77489706   | 0.03453287       | 3.31981890          | 1168.75706488  | 3.31            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | n!    | 0.98596932      | 0.98596932    | mg/L  | 80487.67176349   | 0.03477112       | 3.52659230          | 2829.36061960  | 3.52            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n!    | 1.06577264      | 1.06577264    | mg/L  | 2259596.10998872 | 0.03476255       | 3.26172271          | 73702.32791300 | 3.26            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748556            |
| Ca 317.933 | Ca-R          | n!    | 51.33031168     | 51.33031168   | mg/L  | 882192.73094995  | 0.20562182       | 0.40058556          | 3524.98696827  | 0.40            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n!    | 1.01887077      | 1.01887077    | mg/L  | 149464.71203875  | 0.03414144       | 3.35090941          | 5007.72190884  | 3.35            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |
| Co 230.786 | Co            | n!    | 1.02158311      | 1.02158311    | mg/L  | 34440.77467045   | 0.03048528       | 2.98412119          | 1020.04643765  | 2.96            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | n!    | 0.99291572      | 0.99291572    | mg/L  | 54691.73441066   | 0.03497542       | 3.52249647          | 1915.44435580  | 3.50            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626686            |
| Cu 324.754 | Cu            | n!    | 1.02276705      | 1.02276705    | mg/L  | 35992.87721312   | 0.03652545       | 3.57123893          | 1268.40843120  | 3.52            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | n!    | 1.00248924      | 1.00248924    | mg/L  | 52211.16039768   | 0.03580111       | 3.57122179          | 1859.30655159  | 3.56            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025736            |
| K 766.491  | K-R           | n!    | 60.50987927     | 60.50987927   | mg/L  | 119980.13352617  | 0.27947154       | 0.46186101          | 554.79581840   | 0.46            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | n!    | 1.02773552      | 1.02773552    | mg/L  | 143661.46630821  | 0.00674644       | 0.65643761          | 943.86824790   | 0.66            | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327856            |
| Mg 279.800 | Mg-R          | n!    | 50.77598105     | 50.77598105   | mg/L  | 145104.25055450  | 0.23170231       | 0.45632267          | 661.90092663   | 0.46            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752916            |
| Mn 257.610 | Mn            | n!    | 1.01474205      | 1.01474205    | mg/L  | 398650.40039730  | 0.03521096       | 3.46994204          | 13818.89057039 | 3.47            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | n!    | 1.00616361      | 1.00616361    | mg/L  | 6819.67303782    | 0.04864018       | 4.83422184          | 329.60689491   | 4.83            | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | n!    | 50.86527315     | 50.86527315   | mg/L  | 705851.62248037  | 0.28591379       | 0.56210017          | 3961.45089836  | 0.56            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | n!    | 1.01095617      | 1.01095617    | mg/L  | 19389.45612376   | 0.03345844       | 3.30958394          | 639.49246606   | 3.30            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747146            |
| P 177.434  | P             | n!    | 5.37789308      | 5.37789308    | mg/L  | 17114.66771217   | 0.16863653       | 3.13573600          | 536.45019514   | 3.13            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | n!    | 1.00795132      | 1.00795132    | mg/L  | 5557.79996542    | 0.03278351       | 3.25248952          | 188.93648536   | 3.40            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | n!    | 5.40231188      | 5.40231188    | mg/L  | 9579.54907497    | 0.15506429       | 2.87033204          | 274.37876245   | 2.86            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n!    | 0.98128988      | 0.98128988    | mg/L  | 2218.30287348    | 0.04517838       | 4.60397950          | 103.74751073   | 4.68            | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665206            |
| Se 196.026 | Se            | n!    | 1.02499546      | 1.02499546    | mg/L  | 2862.58868575    | 0.05205829       | 5.07888039          | 142.28884643   | 4.97            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529696            |
| Si 251.611 | Si            | n!    | 5.34654186      | 5.34654186    | mg/L  | 39883.57263128   | 0.20882498       | 3.90579522          | 1554.46032923  | 3.90            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | n!    | 5.07526640      | 5.07526640    | mg/L  | 42027.62608653   | 0.17902747       | 3.52744967          | 1481.42147691  | 3.52            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | n!    | 1.06003792      | 1.06003792    | mg/L  | 608214.62316431  | 0.01067365       | 1.00691217          | 6120.70245779  | 1.01            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n!    | 1.04095565      | 1.04095565    | mg/L  | 325221.27306553  | 0.04222939       | 4.05679065          | 13173.76372666 | 4.05            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | nQ!   | 1.11040991      | 1.11040991    | mg/L  | 2702.31682588    | 0.03356420       | 3.02268527          | 81.93550720    | 3.03            | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | n!    | 1.02833632      | 1.02833632    | mg/L  | 32420.14953337   | 0.03469228       | 3.37363157          | 1094.15189977  | 3.37            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532806            |
| Zn 206.200 | Zn            | n!    | 1.01456471      | 1.01456471    | mg/L  | 44338.13527747   | 0.03318540       | 3.27090077          | 1447.25236677  | 3.26            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             | !     | 0.96            | 0.96          | Ratio | 768129.35        | 0.01             | 0.90                | 6889.06        | 0.90            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           | !     | 0.95            | 0.95          | Ratio | 271274.54        | 0.00             | 0.49                | 1338.69        | 0.49            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0             |                         |
| Seqnum: 674107466054 | File: icp data       | Time: 14-MAR-2024 18:09 |
| Cal: 674107466001    | Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 791954 | -0.53  |
| Yttrium             | R  | 284653        | 282016 | -0.93  |

|                   |                      |              |      |                              |    |
|-------------------|----------------------|--------------|------|------------------------------|----|
| Label:            | CCB                  | Rack/Tube:   | S1:1 | Type:                        | QC |
| Date Time:        | 3/14/2024 6:09:34 PM | Weight:      | -    | Volume:                      | -  |
| Dilution:         | -                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                    | Customer:    | -    | Customer Ref.:               | -  |
| Sample Date Time: | -                    | Sample Site: | -    | Description:                 | -  |
| Replicates:       | 3                    |              |      |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.00025995      | 0.00025995    | mg/L  | 496.41835757  | 0.00021707       | 83.50352021         | 15.28504071  | 3.08            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | nu    | -0.00204549     | -0.00204549   | mg/L  | 997.32054312  | 0.00016928       | 8.27598552          | 5.29700714   | 0.53            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569293            |
| As 188.980 | As            | nu    | -0.00014074     | -0.00014074   | mg/L  | 26.25182325   | 0.00119614       | 849.92386130        | 4.69106444   | 17.87           | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | nu    | 0.00044379      | 0.00044379    | mg/L  | 145.62235007  | 0.00096670       | 217.82916100        | 32.71775912  | 22.47           | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | nu    | -0.00064539     | -0.00064539   | mg/L  | 185.78462288  | 0.00021812       | 33.79663194         | 17.74875957  | 9.55            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n     | 0.00002192      | 0.00002192    | mg/L  | 29.96972344   | 0.00001956       | 89.23479199         | 41.46467248  | > 100.00        | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748559            |
| Ca 317.933 | Ca-R          | n     | 0.00192044      | 0.00192044    | mg/L  | 2195.47305490 | 0.00073910       | 38.48622027         | 12.67051506  | 0.58            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n     | 0.00013241      | 0.00013241    | mg/L  | 39.68093607   | 0.00005792       | 43.74000491         | 8.49484152   | 21.41           | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |
| Co 230.786 | Co            | n     | 0.00010345      | 0.00010345    | mg/L  | 261.47351274  | 0.00013522       | 130.70729916        | 4.52437584   | 1.73            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | nu    | 0.00014222      | 0.00014222    | mg/L  | 317.18340918  | 0.00016881       | 118.69439434        | 9.24482563   | 2.91            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |
| Cu 324.754 | Cu            | n     | 0.00131582      | 0.00131582    | mg/L  | 480.38360431  | 0.00015443       | 11.73657748         | 5.36290352   | 1.12            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | nu    | 0.00013962      | 0.00013962    | mg/L  | 71.54147461   | 0.00049963       | 357.85367567        | 25.94776607  | 36.27           | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025738            |
| K 766.491  | K-R           | n     | 0.12779076      | 0.12779076    | mg/L  | 99.94929682   | 0.00485114       | 3.79615767          | 9.63028816   | 9.64            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | nu    | 0.00000993      | 0.00000993    | mg/L  | -139.47345182 | 0.00093051       | 9373.88349825       | 130.18444258 | 93.34           | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |
| Mg 279.800 | Mg-R          | nu    | 0.00266554      | 0.00266554    | mg/L  | 58.69376056   | 0.00386551       | 145.01799991        | 11.04254975  | 18.81           | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752919            |
| Mn 257.610 | Mn            | n     | 0.00005673      | 0.00005673    | mg/L  | 363.32572304  | 0.00004558       | 80.35300359         | 17.88966272  | 4.92            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | nZ    | 0.00371275      | 0.00371275    | mg/L  | 25.01502759   | 0.00053242       | 14.34039423         | 3.60793019   | 14.42           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | nu    | -0.00692985     | -0.00692985   | mg/L  | 909.05247687  | 0.00795998       | 114.86501785        | 110.28867270 | 12.13           | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | n     | 0.00250785      | 0.00250785    | mg/L  | 106.23516381  | 0.00338548       | 134.99535354        | 64.70674255  | 60.91           | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |
| P 177.434  | P             | nu    | 0.00027373      | 0.00027373    | mg/L  | 7.64511009    | 0.00155431       | 567.83231809        | 4.94442522   | 64.67           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | nu    | 0.00024333      | 0.00024333    | mg/L  | -248.12583248 | 0.00114976       | 472.50802707        | 6.62626096   | 2.67            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | nu    | 0.00019440      | 0.00019440    | mg/L  | 14.90851936   | 0.00307427       | 1581.42052231       | 5.43977015   | 36.49           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n     | 0.00877226      | 0.00877226    | mg/L  | -15.61929873  | 0.00328647       | 37.46432799         | 7.54703308   | 48.32           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665209            |
| Se 196.026 | Se            | nu    | 0.00046418      | 0.00046418    | mg/L  | 60.69014565   | 0.00199518       | 429.82793292        | 5.45334000   | 8.99            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529698            |
| Si 251.611 | Si            | n     | 0.00628675      | 0.00628675    | mg/L  | 127.75743005  | 0.00368103       | 58.55211695         | 27.40097796  | 21.45           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | n     | 0.00093583      | 0.00093583    | mg/L  | 37.33745040   | 0.00046313       | 49.48815251         | 3.83229968   | 10.26           | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | n     | 0.00003009      | 0.00003009    | mg/L  | 38.47938435   | 0.00001991       | 66.18683034         | 11.41944162  | 29.68           | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n     | 0.00054716      | 0.00054716    | mg/L  | 648.62078339  | 0.00007749       | 14.16264723         | 24.17423176  | 3.73            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | n     | 0.00438555      | 0.00438555    | mg/L  | 2.78833486    | 0.00045550       | 10.38630163         | 1.11193942   | 39.88           | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | n     | 0.00043175      | 0.00043175    | mg/L  | 18.45326967   | 0.00043954       | 101.80447217        | 13.86263653  | 75.12           | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532809            |
| Zn 206.200 | Zn            | nu    | 0.00004096      | 0.00004096    | mg/L  | 31.15441987   | 0.00008800       | 214.84533530        | 3.83785362   | 12.32           | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             |       | 0.99            | 0.99          | Ratio | 791953.66     | 0.01             | 0.86                | 6808.65      | 0.86            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.99            | 0.99          | Ratio | 282016.48     | 0.00             | 0.23                | 656.86       | 0.23            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY CONTINUING CALIBRATION FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466065 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 18:46 |
| Caldate: 14-MAR-2024 |                         |

Standards: S20103

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | -11307         | 5642.8    | 1.000  | 1.023 | mg/L  | 2  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 769936 | -3.29  |
| Yttrium             | R  | 284653        | 273558 | -3.90  |

|                                 |                      |                                |
|---------------------------------|----------------------|--------------------------------|
| Label: CCV,S20103               | Rack/Tube: S1:12     | Type: QC                       |
| Date Time: 3/14/2024 6:46:14 PM | Weight: -            | Volume: -                      |
| Dilution: -                     | %RSE limit: -        | Calibration Coefficient [3]: - |
| LIMS ID: -                      | Customer: -          | Customer Ref.: -               |
| Sample Date Time: -             | Sample Site: -       | Description: -                 |
| Replicates: 3                   | Flags Replicate 1: - | Flags Replicate 2: -           |
| Flags Replicate 3: -            |                      |                                |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity        | Concentration SD | Concentration % RSD | Intensity SD   | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|------------------|------------------|---------------------|----------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | n     | 0.51054898      | 0.51054898    | mg/L  | 36429.31314321   | 0.00892702       | 1.74851475          | 628.60874281   | 1.73            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | n     | 1.08935808      | 1.08935808    | mg/L  | 35297.02776883   | 0.02619984       | 2.40507150          | 819.80641872   | 2.32            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569290            |
| As 188.980 | As            | n     | 1.07175596      | 1.07175596    | mg/L  | 4230.19393645    | 0.02673807       | 2.49479080          | 104.86223592   | 2.48            | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n     | 1.05861259      | 1.05861259    | mg/L  | 35962.82159879   | 0.01948730       | 1.84083395          | 659.54318323   | 1.83            | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | n     | 1.00879360      | 1.00879360    | mg/L  | 82344.86195473   | 0.02502774       | 2.48095777          | 2036.53246872  | 2.47            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n     | 1.08373010      | 1.08373010    | mg/L  | 2297668.88102767 | 0.02984819       | 2.75420892          | 63283.08114460 | 2.75            | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748555            |
| Ca 317.933 | Ca-R          | n     | 51.19838923     | 51.19838923   | mg/L  | 879931.03509150  | 0.04838006       | 0.09449528          | 829.38221367   | 0.09            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n     | 1.03854970      | 1.03854970    | mg/L  | 152351.12698778  | 0.02072794       | 1.99585421          | 3040.28651501  | 2.00            | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |
| Co 230.786 | Co            | n     | 1.04306909      | 1.04306909    | mg/L  | 35159.69852005   | 0.02338764       | 2.24219447          | 782.55727632   | 2.23            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | n     | 1.01304570      | 1.01304570    | mg/L  | 55794.15048106   | 0.02186570       | 2.15841200          | 1197.48469839  | 2.15            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |
| Cu 324.754 | Cu            | n     | 1.04386896      | 1.04386896    | mg/L  | 36725.58271672   | 0.01975813       | 1.89277834          | 686.13445016   | 1.87            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | n     | 1.02429203      | 1.02429203    | mg/L  | 53343.28384866   | 0.02213083       | 2.16059722          | 1149.34937356  | 2.15            | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025738            |
| K 766.491  | K-R           | n     | 60.09956349     | 60.09956349   | mg/L  | 119165.56295998  | 0.25047029       | 0.41675892          | 497.22369047   | 0.42            | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | n     | 1.02013645      | 1.02013645    | mg/L  | 142598.26915643  | 0.00516969       | 0.50676474          | 723.27125563   | 0.51            | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |
| Mg 279.800 | Mg-R          | n     | 50.58806991     | 50.58806991   | mg/L  | 144567.43691986  | 0.00226050       | 0.00446844          | 6.45752876     | 0.00            | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752915            |
| Mn 257.610 | Mn            | n     | 1.03514356      | 1.03514356    | mg/L  | 406657.01846873  | 0.02139006       | 2.06638586          | 8394.74109730  | 2.06            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | n     | 1.02607954      | 1.02607954    | mg/L  | 6954.62822656    | 0.03583318       | 3.49224160          | 242.82109515   | 3.49            | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | n     | 50.70562290     | 50.70562290   | mg/L  | 703639.40761152  | 0.20118205       | 0.39676477          | 2787.45843959  | 0.40            | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | n     | 1.03033201      | 1.03033201    | mg/L  | 19759.76684102   | 0.01969149       | 1.91117920          | 376.36420262   | 1.90            | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |
| P 177.434  | P             | nQ    | 5.50840888      | 5.50840888    | mg/L  | 17529.85120832   | 0.09239015       | 1.67725653          | 293.90259000   | 1.68            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | n     | 1.02269900      | 1.02269900    | mg/L  | 5642.78910052    | 0.01859326       | 1.81805755          | 107.15583614   | 1.90            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | nQ    | 5.51581771      | 5.51581771    | mg/L  | 9780.37886576    | 0.07834875       | 1.42043757          | 138.63432022   | 1.42            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n     | 0.99611097      | 0.99611097    | mg/L  | 2252.33589524    | 0.03162199       | 3.17454524          | 72.61665278    | 3.22            | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665205            |
| Se 196.026 | Se            | n     | 1.04140283      | 1.04140283    | mg/L  | 2907.43144503    | 0.04230792       | 4.06258954          | 115.63854764   | 3.98            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529695            |
| Si 251.611 | Si            | n     | 5.41499518      | 5.41499518    | mg/L  | 40393.12013342   | 0.12688333       | 2.34318454          | 944.49958084   | 2.34            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | n     | 5.17391524      | 5.17391524    | mg/L  | 42843.92597576   | 0.13480532       | 2.60547988          | 1115.49082043  | 2.60            | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | n     | 1.05960862      | 1.05960862    | mg/L  | 607967.71323054  | 0.00318021       | 0.30013104          | 1823.66338667  | 0.30            | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n     | 1.05451899      | 1.05451899    | mg/L  | 329452.43177727  | 0.02698968       | 2.55943051          | 8419.62584210  | 2.56            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | nQ    | 1.12589323      | 1.12589323    | mg/L  | 2740.11511170    | 0.01878458       | 1.66841592          | 45.85613227    | 1.67            | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | n     | 1.04959385      | 1.04959385    | mg/L  | 33090.62656671   | 0.02216060       | 2.11134959          | 698.91799226   | 2.11            | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532809            |
| Zn 206.200 | Zn            | n     | 1.03828292      | 1.03828292    | mg/L  | 45372.32907442   | 0.02073582       | 1.99712583          | 904.31198690   | 1.99            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             |       | 0.97            | 0.97          | Ratio | 769935.52        | 0.01             | 0.59                | 4578.13        | 0.59            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.96            | 0.96          | Ratio | 273557.71        | 0.01             | 0.69                | 1893.20        | 0.69            |             | -                 | -               | -                       | Fitted                | -                           | -                           |

ENTHALPY INSTRUMENT BLANK FOR 504324 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET09          | IDF: 1.0                |
| Seqnum: 674107466066 | File: icp data          |
| Cal: 674107466001    | Time: 14-MAR-2024 18:49 |
| Caldate: 14-MAR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/L  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund  | %Drift |
|---------------------|----|---------------|--------|--------|
| Yttrium             | A  | 796142        | 793723 | -0.30  |
| Yttrium             | R  | 284653        | 281393 | -1.15  |

|                   |                      |              |      |                              |    |
|-------------------|----------------------|--------------|------|------------------------------|----|
| Label:            | CCB                  | Rack/Tube:   | S1:1 | Type:                        | QC |
| Date Time:        | 3/14/2024 6:49:21 PM | Weight:      | -    | Volume:                      | -  |
| Dilution:         | -                    | %RSE limit:  | -    | Calibration Coefficient [3]: | -  |
| LIMS ID:          | -                    | Customer:    | -    | Customer Ref.:               | -  |
| Sample Date Time: | -                    | Sample Site: | -    | Description:                 | -  |
| Replicates:       | 3                    |              |      |                              |    |

| Element    | Element Label | Flags | Unadjusted Data | Concentration | Unit  | Intensity     | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE        | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|------------|---------------|-------|-----------------|---------------|-------|---------------|------------------|---------------------|--------------|-----------------|-------------|-------------------|-----------------|-------------------------|-----------------------|-----------------------------|-----------------------------|
| Ag 328.068 | Ag            | nu    | 0.00004804      | 0.00004804    | mg/L  | 481.49645648  | 0.00055680       | 1159.05380247       | 39.20798276  | 8.14            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 478.113997612236            | 70416.3810123618            |
| Al 396.152 | Al            | nu    | -0.00085253     | -0.00085253   | mg/L  | 1034.64660728 | 0.00247766       | 290.62468586        | 77.52723862  | 7.49            | 9.65928417  | Y (371.029 nm)    | Linear          | 0.99959                 | Fitted                | 1061.32512082786            | 31290.5115569293            |
| As 188.980 | As            | nu    | 0.00032997      | 0.00032997    | mg/L  | 28.09786656   | 0.00174798       | 529.73758826        | 6.85529102   | 24.40           | 4.49652097  | Y (371.029 nm)    | Linear          | 0.99992                 | Fitted                | 26.803844766953             | 3921.83276029384            |
| B 249.678  | B             | n     | 0.00077558      | 0.00077558    | mg/L  | 156.85178483  | 0.00048174       | 62.11343396         | 16.30437597  | 10.39           | 2.86236354  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 130.602882559738            | 33844.770057556             |
| Ba 230.424 | Ba            | nu    | -0.00059524     | -0.00059524   | mg/L  | 189.86598416  | 0.00006324       | 10.62341930         | 5.14551588   | 2.71            | 3.41712859  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 238.302963756952            | 81370.9987888386            |
| Be 313.107 | Be            | n     | 0.00003341      | 0.00003341    | mg/L  | 54.34743396   | 0.00000491       | 14.68544768         | 10.40385511  | 19.14           | 7.83527987  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | -16.4971510483882           | 2120164.70748559            |
| Ca 317.933 | Ca-R          | n     | 0.00184771      | 0.00184771    | mg/L  | 2194.23538868 | 0.00184662       | 99.94137969         | 31.65675040  | 1.44            | 2.70936185  | Y-R (371.029 nm)  | Linear          | 0.99999                 | Fitted                | 2162.59237404816            | 17143.0589891222            |
| Cd 214.439 | Cd            | n     | 0.00008148      | 0.00008148    | mg/L  | 32.21149748   | 0.00002792       | 34.25974188         | 4.09459656   | 12.71           | 3.04618204  | Y (371.029 nm)    | Linear          | 0.99997                 | Fitted                | 20.2598602708533            | 146675.782129929            |
| Co 230.786 | Co            | nu    | -0.00031363     | -0.00031363   | mg/L  | 247.51800264  | 0.00051144       | 163.07323242        | 17.11304545  | 6.91            | 4.91036831  | Y (371.029 nm)    | Linear          | 0.99993                 | Fitted                | 258.012029530664            | 33460.2961700757            |
| Cr 267.716 | Cr            | nu    | -0.00004531     | -0.00004531   | mg/L  | 306.91322754  | 0.00024087       | 531.59855516        | 13.19143939  | 4.30            | 1.60291562  | Y (371.029 nm)    | Linear          | 0.99998                 | Off-Peak Left+Right   | 309.395117660005            | 54765.4409626685            |
| Cu 324.754 | Cu            | n     | 0.00108351      | 0.00108351    | mg/L  | 472.31710391  | 0.00037686       | 34.78101193         | 13.08700954  | 2.77            | 17.93036737 | Y (371.029 nm)    | Linear          | 0.99963                 | Fitted                | 434.687015601258            | 34726.6976341614            |
| Fe 259.940 | Fe            | n     | 0.00038282      | 0.00038282    | mg/L  | 84.17261514   | 0.00022653       | 59.17276456         | 11.76456058  | 13.98           | 3.10366477  | Y (371.029 nm)    | Linear          | 0.99999                 | Off-Peak Left+Right   | 64.2909384601793            | 51934.3206025738            |
| K 766.491  | K-R           | n     | 0.15229809      | 0.15229809    | mg/L  | 148.60042750  | 0.01880791       | 12.34940645         | 37.33671822  | 25.13           | 77.21637137 | Y-R (371.029 nm)  | Linear          | 0.99992                 | Fitted                | -153.735192005626           | 1985.16036354951            |
| Li 670.783 | Li-R          | nu    | -0.00044984     | -0.00044984   | mg/L  | -203.79764956 | 0.00011450       | 25.45238968         | 16.01862790  | 7.86            | 3.49560243  | Y-R (371.029 nm)  | Linear          | 0.99989                 | FACT                  | -140.86641969126            | 139906.068327855            |
| Mg 279.800 | Mg-R          | nu    | -0.00441100     | -0.00441100   | mg/L  | 38.47833858   | 0.00391944       | 88.85596790         | 11.19661020  | 29.10           | 2.03903717  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 51.0788358175534            | 2856.68675752919            |
| Mn 257.610 | Mn            | n     | 0.00007376      | 0.00007376    | mg/L  | 370.01094492  | 0.00002596       | 35.19729872         | 10.18922389  | 2.75            | 2.50509670  | Y (371.029 nm)    | Linear          | 0.99996                 | Fitted                | 341.059477760869            | 392459.91002062             |
| Mo 204.598 | Mo            | nZ    | 0.00357115      | 0.00357115    | mg/L  | 24.05560480   | 0.00091687       | 25.67440407         | 6.21312529   | 25.83           | 3.74114007  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | -0.14388132832466           | 6776.43232730513            |
| Na 589.592 | Na-R          | n     | 0.05039835      | 0.05039835    | mg/L  | 1703.35736581 | 0.01745202       | 34.62815521         | 241.80476629 | 14.20           | 1.52940643  | Y-R (371.029 nm)  | Linear          | 0.99997                 | Fitted                | 1005.06631505289            | 13855.4035503891            |
| Ni 231.604 | Ni            | nu    | 0.00032862      | 0.00032862    | mg/L  | 64.58362518   | 0.00068958       | 209.84091372        | 13.17997507  | 20.41           | 2.28784353  | Y (371.029 nm)    | Linear          | 0.99995                 | Off-Peak Left+Right   | 58.3024726954838            | 19113.0371747145            |
| P 177.434  | P             | nu    | 0.00004285      | 0.00004285    | mg/L  | 6.91064917    | 0.00141681       | 3306.51530938       | 4.50702949   | 65.22           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 6.77439113670274            | 3181.10315393337            |
| Pb 220.353 | Pb            | nu    | 0.00037164      | 0.00037164    | mg/L  | -247.38857786 | 0.00106151       | 285.62594365        | 6.11765694   | 2.47            | 5.95745835  | Y (371.029 nm)    | Linear          | 0.99996                 | Off-Peak Right        | -249.539938644105           | 5763.15592258046            |
| S 181.972  | S             | nu    | -0.00030409     | -0.00030409   | mg/L  | 14.02642260   | 0.00237571       | 781.26198668        | 4.20371149   | 29.97           |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 14.5647945928533            | 1769.45165625744            |
| Sb 206.834 | Sb            | n     | 0.00405239      | 0.00405239    | mg/L  | -26.45804134  | 0.00246102       | 60.73013634         | 5.65148019   | 21.36           | 4.24134608  | Y (371.029 nm)    | Linear          | 0.99993                 | Off-Peak Right        | -35.7641794319864           | 2296.39706665209            |
| Se 196.026 | Se            | nu    | 0.00110632      | 0.00110632    | mg/L  | 62.44535950   | 0.00211049       | 190.76645230        | 5.76851593   | 9.24            | 7.97038315  | Y (371.029 nm)    | Linear          | 0.99988                 | Fitted                | 59.4218248921391            | 2733.25990529698            |
| Si 251.611 | Si            | n     | 0.00214366      | 0.00214366    | mg/L  | 96.91697834   | 0.00091184       | 42.53651435         | 6.78758305   | 7.00            |             | Y (371.029 nm)    | Linear          | 1.00000                 | Fitted                | 80.9601696036355            | 7443.84294365504            |
| Sn 189.925 | Sn            | nu    | 0.00053003      | 0.00053003    | mg/L  | 33.97949899   | 0.00059621       | 112.48562825        | 4.93351554   | 14.52           | 4.49182144  | Y (371.029 nm)    | Linear          | 0.99998                 | Fitted                | 29.5937342688483            | 8274.82785517577            |
| Sr 421.552 | Sr-R          | nu    | 0.00003447      | 0.00003447    | mg/L  | 40.98426151   | 0.00006493       | 188.35496175        | 37.23159080  | 90.84           | 2.49186853  | Y-R (371.029 nm)  | Linear          | 1.00000                 | Fitted                | 21.2366112473537            | 573440.387850506            |
| Ti 334.941 | Ti            | n     | 0.00035610      | 0.00035610    | mg/L  | 589.01901863  | 0.00018175       | 51.03879189         | 56.69801791  | 9.63            | 2.87635800  | Y (371.029 nm)    | Linear          | 0.99991                 | Fitted                | 477.931926790858            | 311957.223056936            |
| Tl 190.794 | Tl            | n     | 0.00401145      | 0.00401145    | mg/L  | 1.87509681    | 0.00149992       | 37.39101820         | 3.66154934   | > 100.00        | 13.82816107 | Y (371.029 nm)    | Linear          | 0.99995                 | Fitted                | -7.9175031196515            | 2441.15799139975            |
| V 292.401  | V             | n     | 0.00062520      | 0.00062520    | mg/L  | 24.55475562   | 0.00010458       | 16.72783350         | 3.29840129   | 13.43           | 3.23740946  | Y (371.029 nm)    | Linear          | 0.99991                 | Off-Peak Left+Right   | 4.83590435247326            | 31538.7729532809            |
| Zn 206.200 | Zn            | n     | 0.00009610      | 0.00009610    | mg/L  | 33.55883301   | 0.00006085       | 63.32597092         | 2.65393112   | 7.91            | 4.61959146  | Y (371.029 nm)    | Linear          | 0.99994                 | Fitted                | 29.3654181094651            | 43611.110737145             |
| Y 371.029  | Y             |       | 1.00            | 1.00          | Ratio | 793722.77     | 0.01             | 0.92                | 7269.13      | 0.92            |             | -                 | -               | -                       | Fitted                | -                           | -                           |
| Y 371.029  | Y-R           |       | 0.99            | 0.99          | Ratio | 281392.74     | 0.01             | 1.18                | 3325.62      | 1.18            |             | -                 | -               | -                       | Fitted                | -                           | -                           |





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

enthalpy.com

Lab Job Number : 504368  
Report Level : II  
Report Date : 03/19/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 504368  
Project No: 20-10491  
Location: Hangar 1 NTCRA  
Date Received: 03/15/24

| Sample ID                                         | Lab ID     | Collected      | Matrix |
|---------------------------------------------------|------------|----------------|--------|
| ARCH-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-L-LA     | 504368-001 | 03/15/24 08:10 | Wipe   |
| ARCH-C14W-PS-5.5-240315-L-G                       | 504368-002 | 03/15/24 08:20 | Wipe   |
| ARCH-C14W-DG-5.5 TO 6 240315-L-FB                 | 504368-003 | 03/15/24 08:30 | Wipe   |
| ARCH-C14W-DG-5.5 TO 6 240315-L-DUP-FB             | 504368-004 | 03/15/24 08:30 | Wipe   |
| ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-L-LA     | 504368-005 | 03/15/24 08:45 | Wipe   |
| ARCH-C14W-EXT-6 TO 7-240315-L-WF                  | 504368-006 | 03/15/24 08:50 | Wipe   |
| ARCH-C14W-DG-6 TO 6.5-240315-L-FB                 | 504368-007 | 03/15/24 09:00 | Wipe   |
| ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-LA     | 504368-008 | 03/15/24 09:05 | Wipe   |
| ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-DUP-LA | 504368-009 | 03/15/24 09:05 | Wipe   |
| ARCH-C14W-PS-6.5-240315-L-G                       | 504368-010 | 03/15/24 09:15 | Wipe   |
| ARCH-C14W-DG-7 TO 7.5-240315-L-FB                 | 504368-011 | 03/15/24 09:20 | Wipe   |
| ARCH-C14W-PS-7'-240315-L-G                        | 504368-012 | 03/15/24 09:30 | Wipe   |
| ARCH-C14W-INT-7 TO 7.5-240315-L-WF                | 504368-013 | 03/15/24 09:40 | Wipe   |
| ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-L-LA       | 504368-014 | 03/15/24 09:55 | Wipe   |
| ARCH-C14W-EXT-8 TO 9.5-240315-L-WF                | 504368-015 | 03/15/24 10:00 | Wipe   |
| 240315-L-FIELDBLANK2-LO                           | 504368-016 | 03/15/24 08:25 | Wipe   |
| 240315-L-MEDBLANK2-LO                             | 504368-017 | 03/15/24 13:35 | Wipe   |

## Case Narrative

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

Lab Job 504368  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/15/24

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This data package contains sample and QC results for seventeen wipe samples, requested for the above referenced project on 03/18/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.

| <b>ENTHALPY ANALYTICAL</b>                                                                           |                                                   |  |  |               |               | <b>Chain of Custody Record</b>                                                                                                                              |                      |               |   |  |  |                                                                                                                                                                                                                                                     | <b>Turn Around Time (rush by advanced notice only)</b>                                                                                                                                        |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------|--|--|---------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|---|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------|--------|--|--|------------------------------------------------------------------------|--------------------------------------------|--|--|--|--|
|                                                                                                      |                                                   |  |  |               |               | COC ID:                                                                                                                                                     |                      |               |   |  |  |                                                                                                                                                                                                                                                     | Standard:                                                                                                                                                                                     |  |  |              | 5 Day: |  |  |                                                                        | 3 Day:                                     |  |  |  |  |
|                                                                                                      |                                                   |  |  |               |               | Page: 1 of 2                                                                                                                                                |                      |               |   |  |  |                                                                                                                                                                                                                                                     | 2 Day:                                                                                                                                                                                        |  |  |              | 1 Day: |  |  |                                                                        | X (Pb) Custom TAT:                         |  |  |  |  |
| <b>Enthalpy Analytical - Orange</b><br>931 W. Barkley Avenue, Orange, CA 92868<br>Phone 714-771-6900 |                                                   |  |  |               |               | Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other |                      |               |   |  |  |                                                                                                                                                                                                                                                     | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other<br>Report: Level II data validation |  |  |              |        |  |  |                                                                        | Sample Receipt Temp:<br><br>(lab use only) |  |  |  |  |
| <b>CUSTOMER INFORMATION</b>                                                                          |                                                   |  |  |               |               | <b>PROJECT INFORMATION</b>                                                                                                                                  |                      |               |   |  |  | <b>Analysis Request</b>                                                                                                                                                                                                                             |                                                                                                                                                                                               |  |  |              |        |  |  | <b>Test Instructions / Comments</b>                                    |                                            |  |  |  |  |
| Company: Rincon Consultants, Inc.                                                                    |                                                   |  |  |               |               | Quote #: RIN031721                                                                                                                                          |                      |               |   |  |  | Lead - EPA Method 3050/6010B<br><br>HOLD<br><br>Report lead concentrations on a µg/ft² basis<br><br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br><br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) |                                                                                                                                                                                               |  |  |              |        |  |  | <b>Confirmation Wipe Samples - Level II Report/Stage 2A Validation</b> |                                            |  |  |  |  |
| Report To: Lindsay Parker                                                                            |                                                   |  |  |               |               | Proj. Name: Hangar 1 - NCTRA WP                                                                                                                             |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| Email: lparker@rinconconsultants.com                                                                 |                                                   |  |  |               |               | Proj. #: 20-10491                                                                                                                                           |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| Address: 449 15th Street, Suite 303                                                                  |                                                   |  |  |               |               | P.O. #:                                                                                                                                                     |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| Oakland, California 94612                                                                            |                                                   |  |  |               |               | Address: 158 Cody Road, Mountain View, CA                                                                                                                   |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| Phone: (651) 890-9556                                                                                |                                                   |  |  |               |               | Global ID:                                                                                                                                                  |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| Fax:                                                                                                 |                                                   |  |  |               |               | Sampled By: D. Welsh                                                                                                                                        |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| Sample ID                                                                                            |                                                   |  |  | Sampling Date | Sampling Time | Matrix                                                                                                                                                      | Container No. / Size | Pres.         |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 1                                                                                                    | ARCH-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-L-LA     |  |  | 3/15/2024     | 0810          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 2                                                                                                    | ARCH-C14W-PS-5.5-240315-L-G                       |  |  | 3/15/2024     | 0820          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 3                                                                                                    | ARCH-C14W-DG-5.5 TO 6--240315-L-FB                |  |  | 3/15/2024     | 0830          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 4                                                                                                    | ARCH-C14W-DG-5.5 TO 6-240315-L-DUP-FB             |  |  | 3/15/2024     | 0830          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 5                                                                                                    | ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-L-LA     |  |  | 3/15/2024     | 0845          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 6                                                                                                    | ARCH-C14W-EXT-6 TO 7-240315-L-WF                  |  |  | 3/15/2024     | 0850          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 7                                                                                                    | ARCH-C14W-DG-6 TO 6.5-240315-L-FB                 |  |  | 3/15/2024     | 0900          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 8                                                                                                    | ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-LA     |  |  | 3/15/2024     | 0905          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 9                                                                                                    | ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-DUP-LA |  |  | 3/15/2024     | 0905          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 10                                                                                                   | ARCH-C14W-PS-6.5-240315-L-G                       |  |  | 3/15/2024     | 0915          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 11                                                                                                   | ARCH-C14W-DG-7 TO 7.5-240315-L-FB                 |  |  | 3/15/2024     | 0920          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 12                                                                                                   | ARCH-C14W-PS-7-240315-L-G                         |  |  | 3/15/2024     | 0930          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 13                                                                                                   | ARCH-C14W-INT-7 TO 7.5-240315-L-WF                |  |  | 3/15/2024     | 0940          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 14                                                                                                   | ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-L-LA       |  |  | 3/15/2024     | 0955          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 15                                                                                                   | ARCH-C14W-EXT-8 TO 9-240315-L-WF                  |  |  | 3/15/2024     | 1000          | WP                                                                                                                                                          | 1                    | --            | X |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
|                                                                                                      |                                                   |  |  | Signature     |               |                                                                                                                                                             |                      | Print Name    |   |  |  | Company / Title                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  | Date / Time  |        |  |  |                                                                        |                                            |  |  |  |  |
| 1 Relinquished By:                                                                                   |                                                   |  |  | [Signature]   |               |                                                                                                                                                             |                      | Donald Welsh  |   |  |  | Rincon / Env. Scientist                                                                                                                                                                                                                             |                                                                                                                                                                                               |  |  | 3/15/24 1345 |        |  |  |                                                                        |                                            |  |  |  |  |
| 1 Received By:                                                                                       |                                                   |  |  | Audrey Hudson |               |                                                                                                                                                             |                      | AUDREY HUDSON |   |  |  | ENTHALPY                                                                                                                                                                                                                                            |                                                                                                                                                                                               |  |  | 3/15/24 1345 |        |  |  |                                                                        |                                            |  |  |  |  |
| 2 Relinquished By:                                                                                   |                                                   |  |  | [Signature]   |               |                                                                                                                                                             |                      | "             |   |  |  | "                                                                                                                                                                                                                                                   |                                                                                                                                                                                               |  |  | 3/15/24 1640 |        |  |  |                                                                        |                                            |  |  |  |  |
| 2 Received By:                                                                                       |                                                   |  |  | [Signature]   |               |                                                                                                                                                             |                      | Munir Usp     |   |  |  | RA                                                                                                                                                                                                                                                  |                                                                                                                                                                                               |  |  | 3/15/24 1640 |        |  |  |                                                                        |                                            |  |  |  |  |
| 3 Relinquished By:                                                                                   |                                                   |  |  |               |               |                                                                                                                                                             |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |
| 3 Received By:                                                                                       |                                                   |  |  |               |               |                                                                                                                                                             |                      |               |   |  |  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |  |  |              |        |  |  |                                                                        |                                            |  |  |  |  |

504368

|                                                                                                                                                                                                             |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  <b>ENTHALPY</b><br>ANALYTICAL                                                                                             |               | Chain of Custody Record                                                                                                                                                  |        | Turn Around Time (rush by advanced notice only) |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
|                                                                                                                                                                                                             |               | COC ID:                                                                                                                                                                  |        | Standard:                                       |       | 5 Day:                                                                                                                                                                                                      |  | 3 Day:                                        |  |                                                                                                                                                                                                                                                                                       |  |
| Page:                                                                                                                                                                                                       |               | 2 of 2                                                                                                                                                                   |        | 2 Day:                                          |       | 1 Day:                                                                                                                                                                                                      |  | X (Pb)                                        |  |                                                                                                                                                                                                                                                                                       |  |
| <b>Enthalpy Analytical - Orange</b><br>931 W. Barkley Avenue, Orange, CA 92868<br>Phone 714-771-6900                                                                                                        |               | <b>Matrix:</b> A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other       |        |                                                 |       | <b>Preservatives:</b><br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other<br><b>Report:</b> Level II data validation |  | <b>Sample Receipt Temp:</b><br>(lab use only) |  |                                                                                                                                                                                                                                                                                       |  |
| CUSTOMER INFORMATION                                                                                                                                                                                        |               | PROJECT INFORMATION                                                                                                                                                      |        |                                                 |       | Analysis Request                                                                                                                                                                                            |  |                                               |  | Test Instructions / Comments                                                                                                                                                                                                                                                          |  |
| Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (651) 890-9556<br>Fax: |               | Quote #: RIN031721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #:<br>Address: 158 Cody Road, Mountain View, CA<br>Global ID:<br>Sampled By: D. Welsh |        |                                                 |       | Lead - EPA Method 3050/6010B<br>HOLD                                                                                                                                                                        |  |                                               |  | <b>Confirmation Wipe Samples - Level II Report/Stage 2A Validation</b><br><br>Report lead concentrations on a µg/ft <sup>2</sup> basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) |  |
| Sample ID                                                                                                                                                                                                   | Sampling Date | Sampling Time                                                                                                                                                            | Matrix | Container No. / Size                            | Pres. |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 16 240315-L-FIELDBLANK2-LO                                                                                                                                                                                  | 3/15/2024     | 0825                                                                                                                                                                     | WP     | 1                                               | --    | X                                                                                                                                                                                                           |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 17 240315-L-MEDBLANK2-LO                                                                                                                                                                                    | 3/15/2024     | 1335                                                                                                                                                                     | WP     | 1                                               | --    | X                                                                                                                                                                                                           |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 18                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 19                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 20                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 21                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 22                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 23                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 24                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 25                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 26                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 27                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 28                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 29                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 30                                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| Signature                                                                                                                                                                                                   |               | Print Name                                                                                                                                                               |        | Company / Title                                 |       | Date / Time                                                                                                                                                                                                 |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 1 Relinquished By: <i>[Signature]</i>                                                                                                                                                                       |               | Donald Welsh                                                                                                                                                             |        | Rincon / Env. Scientist                         |       | 3/15/24 1345                                                                                                                                                                                                |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 1 Received By: <i>Audrey Hudson</i>                                                                                                                                                                         |               | AUDREY HUDSON                                                                                                                                                            |        | ENTHALPY                                        |       | 3/15/24 13:45                                                                                                                                                                                               |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 2 Relinquished By: <i>Audrey Hudson</i>                                                                                                                                                                     |               | " " "                                                                                                                                                                    |        | " "                                             |       | 3/15/24 16:40                                                                                                                                                                                               |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 2 Received By: <i>[Signature]</i>                                                                                                                                                                           |               | Mannan 40                                                                                                                                                                |        | Env                                             |       | 5/15/24 16:40                                                                                                                                                                                               |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 3 Relinquished By:                                                                                                                                                                                          |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |
| 3 Received By:                                                                                                                                                                                              |               |                                                                                                                                                                          |        |                                                 |       |                                                                                                                                                                                                             |  |                                               |  |                                                                                                                                                                                                                                                                                       |  |

## SAMPLE RECEIPT CHECKLIST



**Section 1: General Info**  
 Date Received: 3/15/14 Login # 504368 Client: Ramon

**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 3/15/14 By (print) m (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:

|                                                 |                        |                 |
|-------------------------------------------------|------------------------|-----------------|
| <input type="checkbox"/> H2SO4 lot# _____       | added to samples _____ | Date/Time _____ |
| <input type="checkbox"/> HCL lot# _____         | added to samples _____ | Date/Time _____ |
| <input type="checkbox"/> HNO3 lot# _____        | added to samples _____ | Date/Time _____ |
| <input type="checkbox"/> CrVI Buffer lot# _____ | added to samples _____ | Date/Time _____ |

**Section 6: Explanations / Comments**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Date Logged 3/15/14 By (print) m (sign) \_\_\_\_\_  
 Date Labeled 3/15/14 By (print) m For JTH (sign) \_\_\_\_\_



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

 **ENTHALPY**  
ANALYTICAL

**SAMPLE ACCEPTANCE CHECKLIST**

**Section 1**  
Client: Rincon Consultants      Project: Hangar 1 NTCRA  
Date Received: 3/16/24      Sampler's Name Present: ☒ Yes   ☐ No

**Section 2**  
Sample(s) received in a cooler? ☒ Yes, How many? 1   ☐ No (skip section 2)      Sample Temp (°C) (No Cooler) : \_\_\_\_\_  
Sample Temp (°C), One from each cooler: #1: 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: 1.4   #2: \_\_\_\_\_   #3: \_\_\_\_\_   #4: \_\_\_\_\_

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

**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: 3-16-24

Printed on:  
15 MAR 20:54

SOUTHWEST AIRLINES

526 OAK 1046 3143

**ONT**

PC#  
1 OF 4

DG  
G

LOT WT  
195 LB  
(88.5 KG)

OAK WN 1100 16 MAR 06:30

STN FLT DATE ETD LOT 01



PC ID: 0001  
PC WT: 49LB

526 10463143 0001

**S**

3.6/1.4



## Lead

|                                                                |  |                                 |                            |
|----------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504368                                           |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-L-LA |  | <b>Batch#:</b> 335543           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-001                                      |  | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/18/24       |                            |
| <b>504368-001 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>33</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-PS-5.5-240315-L-G                   |  | <b>Batch#:</b> 335543           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-002                                      |  | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/18/24       |                            |
| <b>504368-002 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>77</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-DG-5.5 TO 6 240315-L-FB             |  | <b>Batch#:</b> 335543           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-003                                      |  | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/18/24       |                            |
| <b>504368-003 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>130</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-DG-5.5 TO 6 240315-L-DUP-FB         |  | <b>Batch#:</b> 335543           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-004                                      |  | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/18/24       |                            |
| <b>504368-004 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>100</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-L-LA |  | <b>Batch#:</b> 335543           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-005                                      |  | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 03/18/24       |                            |
| <b>504368-005 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>86</b>                       | 0.50 ug/ft2                |

## Lead

|                                                                    |                           |                                 |                            |
|--------------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504368                                               |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                                  |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14W-EXT-6 TO 7-240315-L-WF                  | <b>Batch#:</b> 335544     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                                | <b>Sampled:</b> 03/15/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 504368-006                                          | <b>Received:</b> 03/15/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                                | <b>Prepared:</b> 03/18/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                             | <b>Analyzed:</b> 03/19/24 |                                 |                            |
| <b>504368-006 Analyte</b>                                          |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                        |                           | <b>11</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-DG-6 TO 6.5-240315-L-FB                 |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-007                                          |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                             |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-007 Analyte</b>                                          |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                        |                           | <b>43</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-LA     |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-008                                          |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                             |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-008 Analyte</b>                                          |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                        |                           | <b>61</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-DUP-LA |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-009                                          |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                             |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-009 Analyte</b>                                          |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                        |                           | <b>42</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-PS-6.5-240315-L-G                       |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-010                                          |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                             |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-010 Analyte</b>                                          |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                        |                           | <b>63</b>                       | 0.50 ug/ft2                |

## Lead

|                                                              |                           |                                 |                            |
|--------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504368                                         |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                            |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14W-DG-7 TO 7.5-240315-L-FB           | <b>Batch#:</b> 335544     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                          | <b>Sampled:</b> 03/15/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 504368-011                                    | <b>Received:</b> 03/15/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                          | <b>Prepared:</b> 03/18/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                       | <b>Analyzed:</b> 03/19/24 |                                 |                            |
| <b>504368-011 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>11</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-PS-7'-240315-L-G                  |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-012                                    |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-012 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>40</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-INT-7 TO 7.5-240315-L-WF          |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-013                                    |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-013 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>45</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-L-LA |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-014                                    |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-014 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>85</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14W-EXT-8 TO 9.5-240315-L-WF          |                           | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-015                                    |                           | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 03/19/24       |                            |
| <b>504368-015 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>58</b>                       | 0.50 ug/ft2                |

## Lead

|                                          |  |                                 |                            |
|------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504368                     |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants        |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> 240315-L-FIELDBLANK2-LO |  | <b>Batch#:</b> 335544           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                      |  | <b>Sampled:</b> 03/15/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-016                |  | <b>Received:</b> 03/15/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                      |  | <b>Prepared:</b> 03/18/24       |                            |
| <b>Diln Fac:</b> 1.000                   |  | <b>Analyzed:</b> 03/19/24       |                            |

| 504368-016 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | ND     | 0.50 | ug/ft2 |

|                                        |                           |                            |
|----------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> 240315-L-MEDBLANK2-LO | <b>Batch#:</b> 335544     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                    | <b>Sampled:</b> 03/15/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504368-017              | <b>Received:</b> 03/15/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                    | <b>Prepared:</b> 03/18/24 |                            |
| <b>Diln Fac:</b> 1.000                 | <b>Analyzed:</b> 03/19/24 |                            |

| 504368-017 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | ND     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 335543     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1136966 | <b>Prepared:</b> 03/18/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 03/18/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1136966 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 335544     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1136963 | <b>Prepared:</b> 03/18/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 03/19/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1136963 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

### Legend

**ND:** Not Detected  
**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 504368

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1136967

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335543

**Prepared:** 03/18/24

**Analyzed:** 03/18/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1136967 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 54.97  | 110  | 80-120 | ug/ft2 |

**Type:** BS

**Lab ID:** QC1136964

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335544

**Prepared:** 03/18/24

**Analyzed:** 03/19/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1136964 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 54.24  | 108  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1136968

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335543

**Prepared:** 03/18/24

**Analyzed:** 03/18/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1136968 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 56.15  | 112  | 80-120 | ug/ft2 | 2   | 20  |

**Type:** BSD

**Lab ID:** QC1136965

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 335544

**Prepared:** 03/18/24

**Analyzed:** 03/19/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1136965 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 53.13  | 106  | 80-120 | ug/ft2 | 2   | 20  |

Legend

**RPD:** Relative Percent  
Difference



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

enthalpy.com

Lab Job Number : 506092  
Report Level : II  
Report Date : 04/16/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 506092  
Project No: 20-10491  
Location: Hangar 1 NTCRA  
Date Received: 04/12/24

| Sample ID                                         | Lab ID     | Collected      | Matrix |
|---------------------------------------------------|------------|----------------|--------|
| ARCH-C14E-INT-3.5 TO 4.5-240412-L-WF              | 506092-001 | 04/12/24 08:05 | Wipe   |
| ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-<br>240412-L-LA | 506092-002 | 04/12/24 08:30 | Wipe   |
| ARCH-C14E-INT-4.5 TO 5.5-240412-L-WF              | 506092-003 | 04/12/24 08:35 | Wipe   |
| 240412-L-FIELDBLANK1-LO                           | 506092-004 | 04/12/24 08:45 | Wipe   |
| 240412-L-MEDBLANK1-LO                             | 506092-005 | 04/12/24 09:10 | Wipe   |

## Case Narrative

---

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

Lab Job 506092  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 04/12/24

---

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 04/15/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

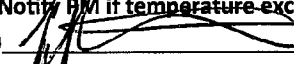
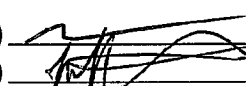
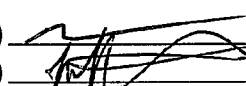
No analytical problems were encountered.



506092

| 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 92668<br>Phone 714-771-6900                                                                                                                                                 |                  | Page: 1 of 1                                                                                                                                                           |         | 2 Day:                                                                                                                                                                                                                                                                                                                                     |  | Custom TAT:    |  |
| Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other                                                   |                  | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other              |         | Sample Receipt Temp:                                                                                                                                                                                                                                                                                                                       |  | (lab use only) |  |
| PROJECT INFORMATION                                                                                                                                                                                           |                  | Analysis Request                                                                                                                                                       |         | Test Instructions / Comments                                                                                                                                                                                                                                                                                                               |  |                |  |
| Company: Rintcon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rintconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (651) 890-9556<br>Fax: |                  | Quote #: RIN031721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #: 158 Cody Road, Mountain View, CA<br>Address:<br>Global ID:<br>Sampled By: M. Kim |         | Confirmation-Wipe Samples - Level II<br>Report/Stage 2A Validation<br>Report PCB concentrations on a µg/100cm <sup>2</sup> basis<br>Report lead concentrations on a µg/l <sup>2</sup> basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure A/B (Low Occupancy) |  |                |  |
| CUSTOMER INFORMATION                                                                                                                                                                                          |                  | PROJECT INFORMATION                                                                                                                                                    |         | Analysis Request                                                                                                                                                                                                                                                                                                                           |  |                |  |
| Sample ID                                                                                                                                                                                                     |                  | Sampling Date                                                                                                                                                          |         | Sampling Time                                                                                                                                                                                                                                                                                                                              |  | Matrix         |  |
| 1 ARCH-C14E-INT-3.5 TO 4.5-240412-L-WF                                                                                                                                                                        |                  | 4/12/2024                                                                                                                                                              |         | 0605                                                                                                                                                                                                                                                                                                                                       |  | WP             |  |
| 2 ARCH-C14E-PS-4.5-240412-L-G                                                                                                                                                                                 |                  | 4/12/2024                                                                                                                                                              |         | 0830                                                                                                                                                                                                                                                                                                                                       |  | WP             |  |
| 3 ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-L-LA                                                                                                                                                               |                  | 4/12/2024                                                                                                                                                              |         | 0915                                                                                                                                                                                                                                                                                                                                       |  | WP             |  |
| 4 ARCH-C14E-INT-4.5 TO 5.5-240412-L-WF                                                                                                                                                                        |                  | 4/12/2024                                                                                                                                                              |         | 0915                                                                                                                                                                                                                                                                                                                                       |  | WP             |  |
| 5 240412-L-FIELD/BLANK1-L-O                                                                                                                                                                                   |                  | 4/12/2024                                                                                                                                                              |         | 0910                                                                                                                                                                                                                                                                                                                                       |  | WP             |  |
| 6 240412-L-MED/BLANK1-L-O                                                                                                                                                                                     |                  | 4/12/2024                                                                                                                                                              |         | 0910                                                                                                                                                                                                                                                                                                                                       |  | WP             |  |
| 7                                                                                                                                                                                                             |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 8                                                                                                                                                                                                             |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 9                                                                                                                                                                                                             |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 10                                                                                                                                                                                                            |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 11                                                                                                                                                                                                            |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 12                                                                                                                                                                                                            |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 13                                                                                                                                                                                                            |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 14                                                                                                                                                                                                            |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| 15                                                                                                                                                                                                            |                  |                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                            |  |                |  |
| Signature                                                                                                                                                                                                     |                  | Print Name                                                                                                                                                             |         | Company / Title                                                                                                                                                                                                                                                                                                                            |  | Date / Time    |  |
| 1 Relinquished By: [Signature]                                                                                                                                                                                | Michaela Kim     | Rintcon/Env Scientist                                                                                                                                                  | 4/12/24 | 01431                                                                                                                                                                                                                                                                                                                                      |  |                |  |
| 1 Received By: [Signature]                                                                                                                                                                                    | Audrey Hudson    | Env HAZOP                                                                                                                                                              | 4/12/24 | 14131                                                                                                                                                                                                                                                                                                                                      |  |                |  |
| 2 Relinquished By: [Signature]                                                                                                                                                                                | Audrey Hudson    |                                                                                                                                                                        | 4/12/24 | 1724                                                                                                                                                                                                                                                                                                                                       |  |                |  |
| 2 Received By: [Signature]                                                                                                                                                                                    | [Signature]      | Env HAZOP                                                                                                                                                              | 4/12/24 | 1724                                                                                                                                                                                                                                                                                                                                       |  |                |  |
| 3 Relinquished By: [Signature]                                                                                                                                                                                | Jazz Robinson    | Enthalpy E.A.                                                                                                                                                          | 4/12/24 | 1757                                                                                                                                                                                                                                                                                                                                       |  |                |  |
| 3 Received By: [Signature]                                                                                                                                                                                    | Georgia Synestri |                                                                                                                                                                        | 4/13/24 | 10137                                                                                                                                                                                                                                                                                                                                      |  |                |  |

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

| SAMPLE RECEIPT CHECKLIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                          |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----|-----------------------|--|-----|----|-----|-----------------------------------------------------------------------------|---|--|--|-------------------------------------------------------------------------------|--|---|--|----------------------------------------------|---|--|--|----------------------------------------|--|---|--|----------------------------------------------------------------|---|--|--|------------------------------------------------------------|---|--|--|-----------------------------------------|---|--|--|-------------------------------------------------|---|--|--|-----------------------------------------------------------|---|--|--|------------------------------------------------------------|--|--|---|----------------------------------------------------------------|--|--|---|-------------------------------------------|--|--|---|--------------------------------------------------------------------------------------|--|--|---|
| <b>Section 1: General Info</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Date Received: <u>4/12/24</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        | Login # <u>506092</u>                                                                                                       |     | Client: <u>Rincon</u> |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <b>Section 2: Shipping / Custody</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Shipping Info: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Are custody seals present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, where? <input type="checkbox"/> on cooler, <input type="checkbox"/> on samples, <input type="checkbox"/> on package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Custody seals intact on arrival? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date: _____ # of seals _____ <input type="checkbox"/> Signature <input type="checkbox"/> Initials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <b>Section 3: Condition / Packaging</b> <span style="float: right;">Important: Notify RM if temperature exceeds 6°C or arrive frozen</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Date Opened <u>4/12/24</u> By (print) <u>Jade Peterson</u> (sign)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <input checked="" type="checkbox"/> 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 <input type="checkbox"/> Thermometer ID: _____, or IR Gun # <input type="checkbox"/> B <input type="checkbox"/> C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Type of ice used: <input checked="" type="checkbox"/> Wet, <input type="checkbox"/> Blue/Gel, <input type="checkbox"/> None Temperature blank(s) included? <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <b>Section 4: Containers / Labels / Samples</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>YES</th> <th>NO</th> <th>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 &gt; 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></td> <td style="text-align: center;">/</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: _____ |  |  | / |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 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: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                                                                                                                             | /   |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <b>Section 5: Preservatives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| 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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <input type="checkbox"/> H2SO4 lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | added to samples _____ | Date/Time _____                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <input type="checkbox"/> HCL lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | added to samples _____ | Date/Time _____                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <input type="checkbox"/> HNO3 lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | added to samples _____ | Date/Time _____                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <input type="checkbox"/> CrVI Buffer lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | added to samples _____ | Date/Time _____                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| <b>Section 6: Explanations / Comments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                                                                                                                             |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Date Logged <u>4/12/24</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        | By (print) <u>Jade Peterson</u> (sign)  |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |
| Date Labeled <u>4.12.24</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        | By (print) <u>Jade Peterson</u> (sign)  |     |                       |  |     |    |     |                                                                             |   |  |  |                                                                               |  |   |  |                                              |   |  |  |                                        |  |   |  |                                                                |   |  |  |                                                            |   |  |  |                                         |   |  |  |                                                 |   |  |  |                                                           |   |  |  |                                                            |  |  |   |                                                                |  |  |   |                                           |  |  |   |                                                                                      |  |  |   |

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



# ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

|                        |                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------|
| <b>Section 1</b>       |                                                                                             |
| Client: Rincon         | Project: Hangar 1 NTCRA                                                                     |
| Date Received: 4/13/24 | Sampler's Name Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

|                                                                                                                                                                                                                                                                                                |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Section 2</b>                                                                                                                                                                                                                                                                               |                               |
| Sample(s) received in a cooler? <input checked="" type="checkbox"/> Yes, How many? 1 <input type="checkbox"/> No (skip section 2)                                                                                                                                                              | Sample Temp (°C) (No Cooler): |
| Sample Temp (°C), One from each cooler: #1: 4.8 #2: #3: #4:                                                                                                                                                                                                                                    |                               |
| <small>(Acceptance range is &lt; 6°C but not frozen (for Microbiology samples, acceptance range is &lt; 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.)</small> |                               |
| Shipping Information:                                                                                                                                                                                                                                                                          |                               |

|                                       |                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Section 3</b>                      |                                                                                                                                                                          |
| Was the cooler packed with:           | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> Ice Packs <input checked="" type="checkbox"/> Bubble Wrap <input type="checkbox"/> Styrofoam |
|                                       | <input type="checkbox"/> Paper <input type="checkbox"/> None <input type="checkbox"/> Other                                                                              |
| Cooler Temp (°C): #1: 2.1 #2: #3: #4: |                                                                                                                                                                          |

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

|                                        |
|----------------------------------------|
| <b>Section 5</b> Explanations/Comments |
| 506092                                 |

|                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Section 6</b>                                                                                                                                                   |
| For discrepancies, how was the Project Manager notified? <input type="checkbox"/> Verbal PM Initials: Date/Time <input type="checkbox"/> Email (email sent to/on): |
| Project Manager's response:                                                                                                                                        |

Completed By: Deena Sylvestre Date: APR 13 2024

#1

4.8/2.1

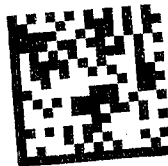
SOUTHWEST AIRLINES

Printed on:  
12 APR 19:17

526 OAK 1150 8276



|            |         |        |            |
|------------|---------|--------|------------|
| <b>ONT</b> |         | PC#    | LOT WT     |
|            |         | 9 OF   | 270 LB     |
|            |         | 9      | (122.4 KG) |
|            |         | G      |            |
| OAK        | WN 5714 | 12 APR | 20:35      |
| STN        | FLT     | DATE   | ETD        |
|            |         |        | LOT 01     |



PC ID: 0009  
PC WT: 30LB

526 11508276 0009

S

## Lead

|                                                                |                           |                                 |                 |
|----------------------------------------------------------------|---------------------------|---------------------------------|-----------------|
| <b>Lab #:</b> 506092                                           |                           | <b>Project#:</b> 20-10491       |                 |
| <b>Client:</b> Rincon Consultants                              |                           | <b>Location:</b> Hangar 1 NTCRA |                 |
| <b>Field ID:</b> ARCH-C14E-INT-3.5 TO 4.5-240412-L-WF          | <b>Batch#:</b> 337746     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 506092-001                                      | <b>Received:</b> 04/12/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/15/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/15/24 |                                 |                 |
| <b>506092-001 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                    |                           | <b>94</b>                       | 0.50 ug/ft2     |
| <b>Field ID:</b> ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-L-LA | <b>Batch#:</b> 337746     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 506092-002                                      | <b>Received:</b> 04/12/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/15/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/15/24 |                                 |                 |
| <b>506092-002 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                    |                           | <b>69</b>                       | 0.50 ug/ft2     |
| <b>Field ID:</b> ARCH-C14E-INT-4.5 TO 5.5-240412-L-WF          | <b>Batch#:</b> 337746     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 506092-003                                      | <b>Received:</b> 04/12/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/15/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/15/24 |                                 |                 |
| <b>506092-003 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                    |                           | <b>130</b>                      | 0.50 ug/ft2     |
| <b>Field ID:</b> 240412-L-FIELDBLANK1-LO                       | <b>Batch#:</b> 337746     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 506092-004                                      | <b>Received:</b> 04/12/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/15/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/15/24 |                                 |                 |
| <b>506092-004 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                    |                           | <b>3.6</b>                      | 0.50 ug/ft2     |
| <b>Field ID:</b> 240412-L-MEDBLANK1-LO                         | <b>Batch#:</b> 337746     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 506092-005                                      | <b>Received:</b> 04/12/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/15/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/15/24 |                                 |                 |
| <b>506092-005 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                    |                           | <b>ND</b>                       | 0.50 ug/ft2     |

## Lead

|                                   |                           |                                 |  |
|-----------------------------------|---------------------------|---------------------------------|--|
| <b>Lab #:</b> 506092              |                           | <b>Project#:</b> 20-10491       |  |
| <b>Client:</b> Rincon Consultants |                           | <b>Location:</b> Hangar 1 NTCRA |  |
| <b>Type:</b> BLANK                | <b>Batch#:</b> 337746     | <b>Analysis:</b> EPA 6010B      |  |
| <b>Lab ID:</b> QC1144511          | <b>Prepared:</b> 04/15/24 | <b>Analyst:</b> SBW             |  |
| <b>Matrix:</b> Wipe               | <b>Analyzed:</b> 04/15/24 |                                 |  |
| <b>Diln Fac:</b> 1.000            | <b>Prep:</b> EPA 3050B    |                                 |  |

| QC1144511 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend

**ND:** Not Detected

**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 506092

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1144512

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 337746

**Prepared:** 04/15/24

**Analyzed:** 04/15/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1144512 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 55.17  | 110  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1144513

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 337746

**Prepared:** 04/15/24

**Analyzed:** 04/15/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1144513 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 54.44  | 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 : 506093  
Report Level : IV  
Report Date : 05/07/2024

## PCBs

### **Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 506093  
Project No: 20-10491  
Location: Hangar 1 NTCRA  
Date Received: 04/12/24

| Sample ID                                         | Lab ID     | Collected      | Matrix |
|---------------------------------------------------|------------|----------------|--------|
| ARCH-C14E-EXT-1 TO 2-240412-P-WF                  | 506093-001 | 04/12/24 07:10 | Wipe   |
| ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA     | 506093-004 | 04/12/24 07:25 | Wipe   |
| ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA     | 506093-006 | 04/12/24 07:35 | Wipe   |
| ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA | 506093-007 | 04/12/24 07:35 | Wipe   |
| ARCH-C14E-DG-2 TO 2.5-240412-P-FB                 | 506093-009 | 04/12/24 07:45 | Wipe   |
| ARCH-C14E-DG-2.5 TO 3-240412-P-FB                 | 506093-011 | 04/12/24 07:55 | Wipe   |
| ARCH-C14E-EXT-3 TO 4-240412-P-WF                  | 506093-013 | 04/12/24 08:05 | Wipe   |
| ARCH-C14E-PS-3.5-240412-P-G                       | 506093-015 | 04/12/24 08:15 | Wipe   |
| ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA     | 506093-017 | 04/12/24 07:48 | Wipe   |
| ARCH-C14E-DG-4 TO 4.5-240412-P-FB                 | 506093-019 | 04/12/24 07:40 | Wipe   |
| ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA     | 506093-021 | 04/12/24 08:10 | Wipe   |
| 240412-P-FIELDBLANK1-LO                           | 506093-023 | 04/12/24 08:45 | Wipe   |

## Case Narrative

### PCBS (EPA 8082)

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

Lab Job 506093  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 04/12/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 04/15/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

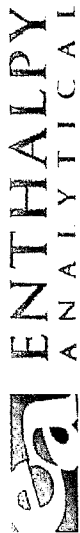
#### **PCBs (EPA 8082):**

- This report was revised and reissued on 5/7/24 to correct a sample ID.
- No analytical problems were encountered.

## **Chain of Custody**

506093

| 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 92868<br>Phone 714-771-6900                                                                                               |                               | Page:                                                                                                                                                     |                                  | 1 of 2                                          |       | custom TAT:                                                             |  |
| Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other |                               | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other |                                  | X (PCBs)                                        |       | X (PB)                                                                  |  |
| Report: Level IV                                                                                                                                            |                               | Report: Level IV                                                                                                                                          |                                  | Sample Receipt Temp:                            |       | (bb use only)                                                           |  |
| CUSTOMER INFORMATION                                                                                                                                        |                               | PROJECT INFORMATION                                                                                                                                       |                                  | Analysis Request                                |       | Test Instructions / Comments                                            |  |
| Company:                                                                                                                                                    | Rincon Consultants, Inc.      | Quote #:                                                                                                                                                  | RINC01721                        |                                                 |       | Confirmation Wipe Samples - Level IV                                    |  |
| Report To:                                                                                                                                                  | Lindsay Parker                | Proj. Name:                                                                                                                                               | Hangar 1 - NCTRA WP              |                                                 |       | Report/Stage 3 Validation                                               |  |
| Email:                                                                                                                                                      | lparker@rinconconsultants.com | Proj. #:                                                                                                                                                  | 20-10491                         |                                                 |       | Report PCB concentrations on a µg/100cm <sup>2</sup> basis              |  |
| Address:                                                                                                                                                    | 449 15th Street, Suite 303    | P.O. #:                                                                                                                                                   |                                  |                                                 |       | Report lead concentrations on a µg/12 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 7 Enclosure A/B (Low Occupancy)        |  |
| Fax:                                                                                                                                                        |                               | Sampled By:                                                                                                                                               | D. Welch, M. Kim                 |                                                 |       |                                                                         |  |
| Sample ID                                                                                                                                                   | Sampling Date                 | Sampling Time                                                                                                                                             | Matrix                           | Container No. / Size                            | Pres. |                                                                         |  |
| 1 ARCH-C14E-EXT-1 TO 2-240412-P-WF                                                                                                                          | 4/12/2024                     | 0710                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 2 ARCH-C14E-EXT-1 TO 2-240412-L-WF                                                                                                                          | 4/12/2024                     | 0710                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 3 ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF                                                                                                                      | 4/12/2024                     | 0710                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 4 ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA                                                                                                             | 4/12/2024                     | 0725                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 5 ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA                                                                                                             | 4/12/2024                     | 0725                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 6 ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA                                                                                                             | 4/12/2024                     | 0735                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 7 ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA                                                                                                         | 4/12/2024                     | 0735                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 8 ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA                                                                                                             | 4/12/2024                     | 0735                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 9 ARCH-C14E-DG-2 TO 2.5-240412-P-PB                                                                                                                         | 4/12/2024                     | 0745                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 10 ARCH-C14E-DG-2 TO 2.5-240412-L-PB                                                                                                                        | 4/12/2024                     | 0745                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 11 ARCH-C14E-DG-2.5 TO 3-240412-P-PB                                                                                                                        | 4/12/2024                     | 0755                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 12 ARCH-C14E-DG-2.5 TO 3-240412-P-PB                                                                                                                        | 4/12/2024                     | 0755                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 13 ARCH-C14E-EXT-3 TO 4-240412-P-WF                                                                                                                         | 4/12/2024                     | 0805                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 14 ARCH-C14E-EXT-3 TO 4-240412-L-WF                                                                                                                         | 4/12/2024                     | 0805                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| 15 ARCH-C14E-PS-3.5-240412-P-G                                                                                                                              | 4/12/2024                     | 0815                                                                                                                                                      | WP                               | 1                                               | --    |                                                                         |  |
| Signature                                                                                                                                                   |                               | Print Name                                                                                                                                                |                                  | Company / Title                                 |       | Date / Time                                                             |  |
| 1 Relinquished By:                                                                                                                                          |                               | Michaela Kim                                                                                                                                              |                                  | Rincon Env. Services                            |       | 4/12/24 09:43                                                           |  |
| 2 Received By:                                                                                                                                              |                               | Lindsay Parker                                                                                                                                            |                                  | ENTHALPY                                        |       | 4/12/24 14:31                                                           |  |
| 2 Relinquished By:                                                                                                                                          |                               | Lindsay Parker                                                                                                                                            |                                  | "                                               |       | 4/12/24 17:24                                                           |  |
| 2 Received By:                                                                                                                                              |                               | Lindsay Parker                                                                                                                                            |                                  | "                                               |       | 4/12/24 17:24                                                           |  |
| 3 Relinquished By:                                                                                                                                          |                               | Lindsay Parker                                                                                                                                            |                                  | Enthalpy                                        |       | 4/12/24 17:54                                                           |  |
| 3 Received By:                                                                                                                                              |                               | Lindsay Parker                                                                                                                                            |                                  | E.A.                                            |       | 4/13/24 10:37                                                           |  |



# Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92668  
Phone 714-771-6900

## Chain of Custody Record

|                                                                                                                                                             |                                                                                                                                                           |                      |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|
| Page: 2 of 2                                                                                                                                                | Standard: X (PCBs)                                                                                                                                        | 5 Day: 1 Day: X (PB) | 3 Day: custom TAT: |
| Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other | Sample Receipt Temp: | (lab use only)     |

## Turn Around Time (rush by advanced notice only)

|                     |                  |                              |
|---------------------|------------------|------------------------------|
| Project Information | Analysis Request | Test Instructions / Comments |
|---------------------|------------------|------------------------------|

|                                      |                                          |                                                                         |
|--------------------------------------|------------------------------------------|-------------------------------------------------------------------------|
| Company: Rincon Consultants, Inc.    | Quote #: RING31721                       | Confirmation Wipe Samples - Level IV                                    |
| Report To: Lindsay Parker            | Proj. Name: Hangar 1 - NCTRA WP          | Report/Stage 3 Validation                                               |
| Email: lparker@rinconconsultants.com | Proj. #: 20-10491                        | Report PCB concentrations on a µg/100cm <sup>2</sup> basis              |
| Address: 449 15th Street, Suite 303  | P.O. #: 158 Cody Road, Mountain View, CA | Report lead concentrations on a µg/t <sub>2</sub> basis                 |
| Phone: (651) 890-9556                | Global ID:                               | Report Aroclor 1268 concentrations in addition to the standard Aroclors |
| Fax:                                 | Sampled By: D. West, M. Kim              | Wipe samples collected from Zone 7 Enclosure A/B (Low Occupancy)        |

| Sample ID                                        | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/50108 | Analysis Request | Test Instructions / Comments |
|--------------------------------------------------|---------------|---------------|--------|----------------------|-------|-----------------------------|--------------------------------|------------------|------------------------------|
| 16 ARCH-C14E-PS-3.5-240412-L-G                   | 4/12/2024     | 0815          | WP     | 1                    | --    | X                           | X                              |                  | 1 x RW4 Type 1 = 0.0572 µg   |
| 17 ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA | 4/12/2024     | 0840          | WP     | 1                    | --    | X                           | X                              |                  |                              |
| 18 ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA | 4/12/2024     | 0840          | WP     | 1                    | --    | X                           | X                              |                  |                              |
| 19 ARCH-C14E-DG-4 TO 4.5-240412-P-FB             | 4/12/2024     | 0840          | WP     | 1                    | --    | X                           | X                              |                  |                              |
| 20 ARCH-C14E-DG-4 TO 4.5-240412-L-FB             | 4/12/2024     | 0840          | WP     | 1                    | --    | X                           | X                              |                  |                              |
| 21 ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA | 4/12/2024     | 0810          | WP     | 1                    | --    | X                           | X                              |                  |                              |
| 22 ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA | 4/12/2024     | 0810          | WP     | 1                    | --    | X                           | X                              |                  |                              |
| 23 240412-P-FIELD BLANK 1-L-O                    | 4/12/2024     | 0845          | WP     | 1                    | --    | X                           | X                              |                  |                              |
| 24                                               |               |               |        |                      |       |                             |                                |                  |                              |
| 25                                               |               |               |        |                      |       |                             |                                |                  |                              |
| 26                                               |               |               |        |                      |       |                             |                                |                  |                              |
| 27                                               |               |               |        |                      |       |                             |                                |                  |                              |
| 28                                               |               |               |        |                      |       |                             |                                |                  |                              |
| 29                                               |               |               |        |                      |       |                             |                                |                  |                              |
| 30                                               |               |               |        |                      |       |                             |                                |                  |                              |

|           |                 |                     |               |
|-----------|-----------------|---------------------|---------------|
| Signature | Print Name      | Company / Title     | Date / Time   |
|           | Michaela Kim    | Rincon/Env Sientist | 4/12/24 08:43 |
|           | Audrey Anderson | ENTHALPY            | 4/12/24 14:31 |
|           | Lindsay Parker  | ENTHALPY            | 4/12/24 17:29 |
|           | Jodi Peterson   | ENTHALPY            | 4/12/24 17:24 |
|           | Lindsay Parker  | ENTHALPY            | 4/12/24 17:54 |
|           | Lindsay Parker  | ENTHALPY            | 4/12/24 17:54 |

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

| SAMPLE RECEIPT CHECKLIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                 |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------------------------------------------------------------------------------|
| <b>Section 1: General Info</b><br>Date Received: <u>4/12/24</u> Login # <u>506093</u> Client: <u>Rincon</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |                                                                                       |
| <b>Section 2: Shipping / Custody</b><br>Shipping Info: _____<br>Are custody seals present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, where? <input type="checkbox"/> on cooler, <input type="checkbox"/> on samples, <input type="checkbox"/> on package<br>Custody seals intact on arrival? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date: _____ # of seals _____ <input type="checkbox"/> Signature <input type="checkbox"/> Initials                                                                                                                                                                                                                                                                                                                                                                                              |                  |                 |                                                                                       |
| <b>Section 3: Condition / Packaging</b> <span style="float: right;"><b>Important: Notify PM if temperature exceeds 6°C or arrive frozen</b></span><br>Date Opened <u>4/12/24</u> By (print) <u>Jade Peterson</u> (sign) <u>[Signature]</u><br><input checked="" type="checkbox"/> Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)<br>If no cooler: Sample Temp (°C): _____<br>How many coolers? <u>1</u> Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____<br>Temperature measured using <input type="checkbox"/> Thermometer ID: _____, or IR Gun # <input type="checkbox"/> B <input type="checkbox"/> C<br>Type of ice used: <input checked="" type="checkbox"/> Wet, <input type="checkbox"/> Blue/Gel, <input type="checkbox"/> None Temperature blank(s) included? <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No |                  |                 |                                                                                       |
| <b>Section 4: Containers / Labels / Samples</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 | YES NO N/A                                                                            |
| Were custody papers dry, filled out properly, and the project identifiable?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Were Method 5035 sampling containers present? Transferred to freezer @: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Did all containers arrive unbroken/unopened?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Are there any missing / extra samples?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Are samples in the appropriate containers for indicated tests?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Are sample labels present, in good condition and complete?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Does the container count match the COC?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Do the sample labels agree with custody papers?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Was sufficient amount of sample sent for tests requested?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Did you change the hold time in LIMS for unpreserved VOAs?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |                 | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Did you change the hold time in LIMS for preserved terracores?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                 | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Are bubbles > 6mm present in VOA samples?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                 | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                 | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| <b>Section 5: Preservatives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 | YES NO N/A                                                                            |
| Are the samples appropriately preserved? (if yes, skip the rest of section 5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Did any samples / containers require preservation upon receipt?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            |
| Did you document your preservative check in the bench book?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                 | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            |
| Preservative added:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |                 |                                                                                       |
| <input type="checkbox"/> H2SO4 lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | added to samples | Date/Time _____ |                                                                                       |
| <input type="checkbox"/> HCL lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | added to samples | Date/Time _____ |                                                                                       |
| <input type="checkbox"/> HNO3 lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | added to samples | Date/Time _____ |                                                                                       |
| <input type="checkbox"/> CrVI Buffer lot# _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | added to samples | Date/Time _____ |                                                                                       |
| <b>Section 6: Explanations / Comments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                                                                       |
| Date Logged <u>4/12/24</u> By (print) <u>Jade Peterson</u> (sign) <u>[Signature]</u><br>Date Labeled <u>4.12.24</u> By (print) <u>Jade Peterson</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

**Section 1**  
Client: Rincon Project: Hangar 1 NTCRA  
Date Received: 4/13/24 Sampler's Name Present: ☒ Yes ☐ No

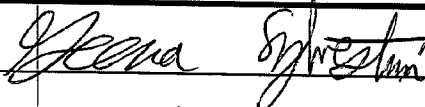
**Section 2**  
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) \_\_\_\_\_  
(No Cooler) : \_\_\_\_\_  
Sample Temp (°C), One from each cooler: #1: 3.4 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)  
Shipping Information: \_\_\_\_\_

**Section 3**  
Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_  
Cooler Temp (°C): #1: 1.2 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

**Section 5** Explanations/Comments  
506093

**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: APR 13 2024

SOUTHWEST AIRLINES

Printed on:

12 APR 19:17

526 OAK 1150 8276

ONT

PC#

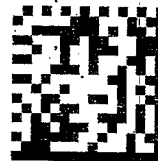
6

(122.4 KG)

OAK WN 5714 12 APR 20:35

STN FLT DATE ETD LOT

1.2 | 3.4



PC ID: 0006

PC WT: 30LB

526 11508276 0006

S



## **Results & QC Summary**

## Enthalpy Analytical - Orange Analytical Report

|                                                   |                                 |                           |
|---------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 506093                              | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                 | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C14E-EXT-1 TO 2-240412-P-WF | <b>Batch#:</b> 338024           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                               | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-001                         | <b>Received:</b> 04/12/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                               | <b>Prepared:</b> 04/17/24       |                           |
| <b>Diln Fac:</b> 1.000                            | <b>Analyzed:</b> 04/18/24       |                           |

| 506093-001 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 |
| 506093-001 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 57   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 50   | 19-121     |

|                                                                |                           |                           |
|----------------------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA | <b>Batch#:</b> 338024     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-004                                      | <b>Received:</b> 04/12/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/17/24 |                           |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/18/24 |                           |

| 506093-004 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 |

| 506093-004 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 69   | 19-121 |
| Decachlorobiphenyl (PCB) | 56   | 19-121 |

## Enthalpy Analytical - Orange Analytical Report

|                                                                |                                 |                           |
|----------------------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 506093                                           | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                              | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA | <b>Batch#:</b> 338024           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-006                                      | <b>Received:</b> 04/12/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/17/24       |                           |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/18/24       |                           |

| 506093-006 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 |
| 506093-006 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 73   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 63   | 19-121     |

|                                                                    |                           |                           |
|--------------------------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA | <b>Batch#:</b> 338024     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                                | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-007                                          | <b>Received:</b> 04/12/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                                | <b>Prepared:</b> 04/17/24 |                           |
| <b>Diln Fac:</b> 1.000                                             | <b>Analyzed:</b> 04/18/24 |                           |

| 506093-007 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 |
| 506093-007 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 68   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 57   | 19-121     |

## Enthalpy Analytical - Orange Analytical Report

|                                                    |                                 |                           |
|----------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 506093                               | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                  | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C14E-DG-2 TO 2.5-240412-P-FB | <b>Batch#:</b> 338024           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-009                          | <b>Received:</b> 04/12/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                | <b>Prepared:</b> 04/17/24       |                           |
| <b>Diln Fac:</b> 1.000                             | <b>Analyzed:</b> 04/18/24       |                           |

| 506093-009 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 |

| 506093-009 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 63   | 19-121 |
| Decachlorobiphenyl (PCB) | 58   | 19-121 |

|                                                    |                           |                           |
|----------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C14E-DG-2.5 TO 3-240412-P-FB | <b>Batch#:</b> 338024     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-011                          | <b>Received:</b> 04/12/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                | <b>Prepared:</b> 04/17/24 |                           |
| <b>Diln Fac:</b> 1.000                             | <b>Analyzed:</b> 04/18/24 |                           |

| 506093-011 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 |

| 506093-011 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 71   | 19-121 |
| Decachlorobiphenyl (PCB) | 58   | 19-121 |

## Enthalpy Analytical - Orange Analytical Report

|                                                   |                                 |                           |
|---------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 506093                              | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                 | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C14E-EXT-3 TO 4-240412-P-WF | <b>Batch#:</b> 338024           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                               | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-013                         | <b>Received:</b> 04/12/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                               | <b>Prepared:</b> 04/17/24       |                           |
| <b>Diln Fac:</b> 1.000                            | <b>Analyzed:</b> 04/18/24       |                           |

| 506093-013 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 |
| 506093-013 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 75   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 62   | 19-121     |

|                                              |                           |                           |
|----------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C14E-PS-3.5-240412-P-G | <b>Batch#:</b> 338024     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                          | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-015                    | <b>Received:</b> 04/12/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                          | <b>Prepared:</b> 04/17/24 |                           |
| <b>Diln Fac:</b> 1.000                       | <b>Analyzed:</b> 04/18/24 |                           |

| 506093-015 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 |
| 506093-015 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 68   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 62   | 19-121     |

## Enthalpy Analytical - Orange Analytical Report

|                                                                |                                 |                           |
|----------------------------------------------------------------|---------------------------------|---------------------------|
| <b>Lab #:</b> 506093                                           | <b>Project#:</b> 20-10491       |                           |
| <b>Client:</b> Rincon Consultants                              | <b>Location:</b> Hangar 1 NTCRA |                           |
| <b>Field ID:</b> ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA | <b>Batch#:</b> 338024           | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-017                                      | <b>Received:</b> 04/12/24       | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/17/24       |                           |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/18/24       |                           |

| 506093-017 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 |

| 506093-017 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 77   | 19-121 |
| Decachlorobiphenyl (PCB) | 63   | 19-121 |

|                                                    |                           |                           |
|----------------------------------------------------|---------------------------|---------------------------|
| <b>Field ID:</b> ARCH-C14E-DG-4 TO 4.5-240412-P-FB | <b>Batch#:</b> 338024     | <b>Prep:</b> EPA 3546     |
| <b>Type:</b> SAMPLE                                | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 8082 |
| <b>Lab ID:</b> 506093-019                          | <b>Received:</b> 04/12/24 | <b>Analyst:</b> MES       |
| <b>Matrix:</b> Wipe                                | <b>Prepared:</b> 04/17/24 |                           |
| <b>Diln Fac:</b> 1.000                             | <b>Analyzed:</b> 04/18/24 |                           |

| 506093-019 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 |

| 506093-019 Surrogate     | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 69   | 19-121 |
| Decachlorobiphenyl (PCB) | 61   | 19-121 |

## Enthalpy Analytical - Orange Analytical Report

**Lab #:** 506093

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Field ID:** ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA

**Batch#:** 338024

**Prep:** EPA 3546

**Type:** SAMPLE

**Sampled:** 04/12/24

**Analysis:** EPA 8082

**Lab ID:** 506093-021

**Received:** 04/12/24

**Analyst:** MES

**Matrix:** Wipe

**Prepared:** 04/17/24

**Diln Fac:** 1.000

**Analyzed:** 04/18/24

| 506093-021 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 |
| 506093-021 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 64   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 54   | 19-121     |

**Field ID:** 240412-P-FIELDBLANK1-LO

**Batch#:** 338024

**Prep:** EPA 3546

**Type:** SAMPLE

**Sampled:** 04/12/24

**Analysis:** EPA 8082

**Lab ID:** 506093-023

**Received:** 04/12/24

**Analyst:** MES

**Matrix:** Wipe

**Prepared:** 04/17/24

**Diln Fac:** 1.000

**Analyzed:** 04/18/24

| 506093-023 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 |
| 506093-023 Surrogate     |        | %REC | Limits     |
| TCMX (PCB)               |        | 69   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 57   | 19-121     |

## Enthalpy Analytical - Orange Analytical Report

**Lab #:** 506093

**Project#:** 20-10491

**Client:** Rincon Consultants

**Location:** Hangar 1 NTCRA

**Type:** BLANK

**Batch#:** 338024

**Analysis:** EPA 8082

**Lab ID:** QC1145360

**Prepared:** 04/17/24

**Analyst:** MES

**Matrix:** Wipe

**Analyzed:** 04/18/24

**Diln Fac:** 1.000

**Prep:** EPA 3546

| QC1145360 Analyte        | Result | RL   | Units      |
|--------------------------|--------|------|------------|
| Aroclor-1016             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1221             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1232             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1242             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1248             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1254             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1260             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1262             | ND     | 0.50 | ug/100 cm2 |
| Aroclor-1268             | ND     | 0.50 | ug/100 cm2 |
| QC1145360 Surrogate      |        | %REC | Limits     |
| TCMX (PCB)               |        | 84   | 19-121     |
| Decachlorobiphenyl (PCB) |        | 72   | 19-121     |

Legend

**ND:** Not Detected

**RL:** Reporting Limit



## Enthalpy Analytical - Orange Analytical Report: Batch QC

**Lab #:** 506093

**Project#:** 20-10491

**Client:** Rincon Consultants

**Location:** Hangar 1 NTCRA

**Type:** BS

**Batch#:** 338024

**Analysis:** EPA 8082

**Lab ID:** QC1145361

**Prepared:** 04/17/24

**Analyst:** MES

**Matrix:** Wipe

**Analyzed:** 04/18/24

**Diln Fac:** 1.000

**Prep:** EPA 3546

| QC1145361 Analyte | Spiked | Result | %REC | Limits | Units      |
|-------------------|--------|--------|------|--------|------------|
| Aroclor-1016      | 5.000  | 4.435  | 89   | 60-140 | ug/100 cm2 |
| Aroclor-1260      | 5.000  | 3.847  | 77   | 60-140 | ug/100 cm2 |

| QC1145361 Surrogate      | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 80   | 19-121 |
| Decachlorobiphenyl (PCB) | 73   | 19-121 |

**Type:** BSD

**Batch#:** 338024

**Analysis:** EPA 8082

**Lab ID:** QC1145362

**Prepared:** 04/17/24

**Analyst:** MES

**Matrix:** Wipe

**Analyzed:** 04/18/24

**Diln Fac:** 1.000

**Prep:** EPA 3546

| QC1145362 Analyte | Spiked | Result | %REC | Limits | Units      | RPD | Lim |
|-------------------|--------|--------|------|--------|------------|-----|-----|
| Aroclor-1016      | 5.000  | 4.309  | 86   | 60-140 | ug/100 cm2 | 3   | 20  |
| Aroclor-1260      | 5.000  | 3.808  | 76   | 60-140 | ug/100 cm2 | 1   | 20  |

| QC1145362 Surrogate      | %REC | Limits |
|--------------------------|------|--------|
| TCMX (PCB)               | 79   | 19-121 |
| Decachlorobiphenyl (PCB) | 72   | 19-121 |

Legend

**RPD:** Relative Percent  
Difference

Instrument: SVOA-GC06  
Calibration #: 454124679002  
Units: ug/L

Name: PCB\_032624\_1  
Date: 26-MAR-2024 13:59  
X Axis: R

| Level | File           | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------------|--------------|-----------|-------------------|-----------|
| L1    | gc06_032624014 | 454124679014 |           | 26-MAR-2024 13:59 | S20226    |
| L2    | gc06_032624015 | 454124679015 |           | 26-MAR-2024 14:19 | S20227    |
| L3    | gc06_032624016 | 454124679016 |           | 26-MAR-2024 14:38 | S20228    |
| L4    | gc06_032624018 | 454124679018 |           | 26-MAR-2024 15:18 | S20229    |
| L5    | gc06_032624019 | 454124679019 |           | 26-MAR-2024 15:37 | S20230    |
| L6    | gc06_032624020 | 454124679020 |           | 26-MAR-2024 15:57 | S20231    |
| L7    | gc06_032624021 | 454124679021 |           | 26-MAR-2024 16:17 | S20232    |
| L8    | gc06_032624022 | 454124679022 |           | 26-MAR-2024 16:37 | S20233    |
| L9    | gc06_032624023 | 454124679023 |           | 26-MAR-2024 16:57 | S20234    |
| L10   | gc06_032624024 | 454124679024 |           | 26-MAR-2024 19:13 | S20235    |

Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 X Axis: R

| Analyte                  | Ch | Type | a0      | a1 | a2 | Avg RF | %RSD | n  | Min r <sup>2</sup> | Max %RSD | Flags |
|--------------------------|----|------|---------|----|----|--------|------|----|--------------------|----------|-------|
| Aroclor-1016 Peak # 1    | A  | AVRG | 46.5123 |    |    | 0.0215 | 13   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | A  | AVRG | 24.1600 |    |    | 0.0414 | 16   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | A  | AVRG | 19.6964 |    |    | 0.0508 | 11   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | A  | AVRG | 27.8977 |    |    | 0.0358 | 17   | 9  | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | A  | AVRG | 33.2984 |    |    | 0.0300 | 15   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | A  | AVRG | 16.3487 |    |    | 0.0612 | 16   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | A  | AVRG | 10.6867 |    |    | 0.0936 | 17   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | A  | AVRG | 10.1396 |    |    | 0.0986 | 16   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | A  | AVRG | 17.6267 |    |    | 0.0567 | 13   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | A  | AVRG | 15.7874 |    |    | 0.0633 | 12   | 8  | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | A  | AVRG | 0.83991 |    |    | 1.1906 | 13   | 10 | .99                | 20       |       |
| TCMX (PCB)               | A  | AVRG | 1.11059 |    |    | 0.9004 | 8    | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 1    | B  | AVRG | 54.1091 |    |    | 0.0185 | 17   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | B  | AVRG | 27.0467 |    |    | 0.0370 | 15   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | B  | AVRG | 19.5273 |    |    | 0.0512 | 13   | 9  | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | B  | AVRG | 29.5412 |    |    | 0.0339 | 12   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | B  | AVRG | 35.2903 |    |    | 0.0283 | 16   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | B  | AVRG | 17.8639 |    |    | 0.0560 | 18   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | B  | AVRG | 14.6853 |    |    | 0.0681 | 20   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | B  | AVRG | 11.9091 |    |    | 0.0840 | 17   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | B  | AVRG | 19.1515 |    |    | 0.0522 | 19   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | B  | AVRG | 14.2230 |    |    | 0.0703 | 19   | 9  | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | B  | AVRG | 1.22309 |    |    | 0.8176 | 16   | 9  | .99                | 20       |       |
| TCMX (PCB)               | B  | AVRG | 1.15306 |    |    | 0.8673 | 10   | 10 | .99                | 20       |       |

*Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × a2)*

*AVRG: Average response factor*

Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 X Axis: R

| Analyte                  | Ch | L1<br>RF | L2<br>RF | L3<br>RF | L4<br>RF | L5<br>RF | L6<br>RF | L7<br>RF | L8<br>RF | L9<br>RF | L10<br>RF |
|--------------------------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Aroclor-1016 Peak # 1    | A  | 0.0245   | 0.0264   | 0.0247   | 0.0226   | 0.0207   | 0.0203   | 0.0192   | 0.0197   | 0.0182   | 0.0186    |
| Aroclor-1016 Peak # 2    | A  | 0.0537   | 0.0496   | 0.0459   | 0.0449   | 0.0405   | 0.0378   | 0.0350   | 0.0375   | 0.0340   | 0.0349    |
| Aroclor-1016 Peak # 3    | A  | 0.0568   | 0.0586   | 0.0579   | 0.0551   | 0.0481   | 0.0470   | 0.0452   | 0.0485   | 0.0444   | 0.0460    |
| Aroclor-1016 Peak # 4    | A  |          | 0.0486   | 0.0418   | 0.0383   | 0.0342   | 0.0325   | 0.0313   | 0.0334   | 0.0305   | 0.0321    |
| Aroclor-1016 Peak # 5    | A  | 0.0392   | 0.0320   | 0.0356   | 0.0313   | 0.0291   | 0.0280   | 0.0252   | 0.0280   | 0.0254   | 0.0266    |
| Aroclor-1260 Peak # 1    | A  |          | 0.0765   | 0.0733   | 0.0711   | 0.0594   | 0.0553   | 0.0515   | 0.0590   | 0.0502   | 0.0541    |
| Aroclor-1260 Peak # 2    | A  |          | 0.1197   | 0.1103   | 0.1081   | 0.0910   | 0.0849   | 0.0782   | 0.0902   | 0.0757   | 0.0839    |
| Aroclor-1260 Peak # 3    | A  |          | 0.1241   | 0.1180   | 0.1107   | 0.0919   | 0.0905   | 0.0824   | 0.0968   | 0.0797   | 0.0936    |
| Aroclor-1260 Peak # 4    | A  | 0.0692   | 0.0605   | 0.0614   | 0.0644   | 0.0542   | 0.0525   | 0.0478   | 0.0565   | 0.0465   | 0.0542    |
| Aroclor-1260 Peak # 5    | A  |          |          | 0.0733   | 0.0739   | 0.0618   | 0.0588   | 0.0551   | 0.0644   | 0.0542   | 0.0653    |
| Decachlorobiphenyl (PCB) | A  | 1.2253   | 1.2559   | 1.3968   | 1.4261   | 1.1280   | 1.0879   | 0.9783   | 1.2229   | 0.9620   | 1.2230    |
| TCMX (PCB)               | A  | 1.0279   | 1.0067   | 0.9624   | 0.9028   | 0.8535   | 0.8207   | 0.8144   | 0.8813   | 0.8463   | 0.8882    |
| Aroclor-1016 Peak # 1    | B  | 0.0247   | 0.0199   | 0.0222   | 0.0195   | 0.0178   | 0.0165   | 0.0164   | 0.0173   | 0.0157   | 0.0149    |
| Aroclor-1016 Peak # 2    | B  | 0.0441   | 0.0453   | 0.0421   | 0.0410   | 0.0353   | 0.0334   | 0.0328   | 0.0344   | 0.0311   | 0.0303    |
| Aroclor-1016 Peak # 3    | B  |          | 0.0576   | 0.0636   | 0.0572   | 0.0518   | 0.0477   | 0.0462   | 0.0487   | 0.0438   | 0.0443    |
| Aroclor-1016 Peak # 4    | B  | 0.0405   | 0.0308   | 0.0416   | 0.0344   | 0.0326   | 0.0335   | 0.0313   | 0.0334   | 0.0301   | 0.0304    |
| Aroclor-1016 Peak # 5    | B  | 0.0382   | 0.0319   | 0.0322   | 0.0300   | 0.0258   | 0.0251   | 0.0254   | 0.0264   | 0.0237   | 0.0246    |
| Aroclor-1260 Peak # 1    | B  |          | 0.0724   | 0.0693   | 0.0637   | 0.0528   | 0.0503   | 0.0504   | 0.0524   | 0.0445   | 0.0481    |
| Aroclor-1260 Peak # 2    | B  |          | 0.0889   | 0.0880   | 0.0773   | 0.0634   | 0.0626   | 0.0597   | 0.0636   | 0.0524   | 0.0571    |
| Aroclor-1260 Peak # 3    | B  |          | 0.1083   | 0.1037   | 0.0935   | 0.0784   | 0.0766   | 0.0740   | 0.0805   | 0.0670   | 0.0739    |
| Aroclor-1260 Peak # 4    | B  | 0.0732   | 0.0575   | 0.0608   | 0.0546   | 0.0479   | 0.0470   | 0.0411   | 0.0509   | 0.0420   | 0.0472    |
| Aroclor-1260 Peak # 5    | B  |          | 0.0961   | 0.0855   | 0.0786   | 0.0652   | 0.0638   | 0.0600   | 0.0669   | 0.0546   | 0.0621    |
| Decachlorobiphenyl (PCB) | B  |          | 0.9286   | 1.0526   | 0.9508   | 0.7771   | 0.7664   | 0.7062   | 0.8119   | 0.6301   | 0.7347    |
| TCMX (PCB)               | B  | 0.9620   | 0.9157   | 1.0250   | 0.9242   | 0.8303   | 0.7920   | 0.7750   | 0.8022   | 0.7986   | 0.8477    |

Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 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  | 10.000 | 14 | 20.000 | <b>23</b> | 50.000 | 15        | 100.00 | 5  | 250.00 | -4 | 500.00 | -6  | 750.00 | -11        | 1000.0 | -8 |
| Aroclor-1016 Peak # 2    | A  | 10.000 | 30 | 20.000 | 20        | 50.000 | 11        | 100.00 | 9  | 250.00 | -2 | 500.00 | -9  | 750.00 | -15        | 1000.0 | -9 |
| Aroclor-1016 Peak # 3    | A  | 10.000 | 12 | 20.000 | 15        | 50.000 | 14        | 100.00 | 9  | 250.00 | -5 | 500.00 | -7  | 750.00 | -11        | 1000.0 | -4 |
| Aroclor-1016 Peak # 4    | A  |        |    | 20.000 | 36        | 50.000 | 17        | 100.00 | 7  | 250.00 | -4 | 500.00 | -9  | 750.00 | -13        | 1000.0 | -7 |
| Aroclor-1016 Peak # 5    | A  | 10.000 | 30 | 20.000 | 6         | 50.000 | 18        | 100.00 | 4  | 250.00 | -3 | 500.00 | -7  | 750.00 | -16        | 1000.0 | -7 |
| Aroclor-1260 Peak # 1    | A  |        |    | 20.000 | 25        | 50.000 | 20        | 100.00 | 16 | 250.00 | -3 | 500.00 | -10 | 750.00 | -16        | 1000.0 | -3 |
| Aroclor-1260 Peak # 2    | A  |        |    | 20.000 | 28        | 50.000 | 18        | 100.00 | 16 | 250.00 | -3 | 500.00 | -9  | 750.00 | -16        | 1000.0 | -4 |
| Aroclor-1260 Peak # 3    | A  |        |    | 20.000 | 26        | 50.000 | 20        | 100.00 | 12 | 250.00 | -7 | 500.00 | -8  | 750.00 | -16        | 1000.0 | -2 |
| Aroclor-1260 Peak # 4    | A  | 10.000 | 22 | 20.000 | 7         | 50.000 | 8         | 100.00 | 14 | 250.00 | -5 | 500.00 | -7  | 750.00 | -16        | 1000.0 | 0  |
| Aroclor-1260 Peak # 5    | A  |        |    |        |           | 50.000 | 16        | 100.00 | 17 | 250.00 | -2 | 500.00 | -7  | 750.00 | -13        | 1000.0 | 2  |
| Decachlorobiphenyl (PCB) | A  | 0.8000 | 3  | 1.6000 | 5         | 4.0000 | 17        | 8.0000 | 20 | 20.000 | -5 | 40.000 | -9  | 60.000 | -18        | 80.000 | 3  |
| TCMX (PCB)               | A  | 0.8000 | 14 | 1.6000 | 12        | 4.0000 | 7         | 8.0000 | 0  | 20.000 | -5 | 40.000 | -9  | 60.000 | -10        | 80.000 | -2 |
| Aroclor-1016 Peak # 1    | B  | 10.000 | 34 | 20.000 | 8         | 50.000 | 20        | 100.00 | 5  | 250.00 | -4 | 500.00 | -11 | 750.00 | -11        | 1000.0 | -7 |
| Aroclor-1016 Peak # 2    | B  | 10.000 | 19 | 20.000 | <b>22</b> | 50.000 | 14        | 100.00 | 11 | 250.00 | -5 | 500.00 | -10 | 750.00 | -11        | 1000.0 | -7 |
| Aroclor-1016 Peak # 3    | B  |        |    | 20.000 | 13        | 50.000 | <b>24</b> | 100.00 | 12 | 250.00 | 1  | 500.00 | -7  | 750.00 | -10        | 1000.0 | -5 |
| Aroclor-1016 Peak # 4    | B  | 10.000 | 20 | 20.000 | -9        | 50.000 | <b>23</b> | 100.00 | 2  | 250.00 | -4 | 500.00 | -1  | 750.00 | -8         | 1000.0 | -1 |
| Aroclor-1016 Peak # 5    | B  | 10.000 | 35 | 20.000 | 13        | 50.000 | 14        | 100.00 | 6  | 250.00 | -9 | 500.00 | -11 | 750.00 | -10        | 1000.0 | -7 |
| Aroclor-1260 Peak # 1    | B  |        |    | 20.000 | 29        | 50.000 | <b>24</b> | 100.00 | 14 | 250.00 | -6 | 500.00 | -10 | 750.00 | -10        | 1000.0 | -6 |
| Aroclor-1260 Peak # 2    | B  |        |    | 20.000 | 31        | 50.000 | <b>29</b> | 100.00 | 14 | 250.00 | -7 | 500.00 | -8  | 750.00 | -12        | 1000.0 | -7 |
| Aroclor-1260 Peak # 3    | B  |        |    | 20.000 | 29        | 50.000 | <b>23</b> | 100.00 | 11 | 250.00 | -7 | 500.00 | -9  | 750.00 | -12        | 1000.0 | -4 |
| Aroclor-1260 Peak # 4    | B  | 10.000 | 40 | 20.000 | 10        | 50.000 | 16        | 100.00 | 5  | 250.00 | -8 | 500.00 | -10 | 750.00 | <b>-21</b> | 1000.0 | -3 |
| Aroclor-1260 Peak # 5    | B  |        |    | 20.000 | 37        | 50.000 | <b>22</b> | 100.00 | 12 | 250.00 | -7 | 500.00 | -9  | 750.00 | -15        | 1000.0 | -5 |
| Decachlorobiphenyl (PCB) | B  |        |    | 1.6000 | 14        | 4.0000 | <b>29</b> | 8.0000 | 16 | 20.000 | -5 | 40.000 | -6  | 60.000 | -14        | 80.000 | -1 |
| TCMX (PCB)               | B  | 0.8000 | 11 | 1.6000 | 6         | 4.0000 | 18        | 8.0000 | 7  | 20.000 | -4 | 40.000 | -9  | 60.000 | -11        | 80.000 | -8 |

Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 X Axis: R

| Spiked Amounts / Drifts  | Ch | L9     | %D         | L10    | %D  |
|--------------------------|----|--------|------------|--------|-----|
| Aroclor-1016 Peak # 1    | A  | 1500.0 | -15        | 2000.0 | -14 |
| Aroclor-1016 Peak # 2    | A  | 1500.0 | -18        | 2000.0 | -16 |
| Aroclor-1016 Peak # 3    | A  | 1500.0 | -12        | 2000.0 | -9  |
| Aroclor-1016 Peak # 4    | A  | 1500.0 | -15        | 2000.0 | -11 |
| Aroclor-1016 Peak # 5    | A  | 1500.0 | -15        | 2000.0 | -11 |
| Aroclor-1260 Peak # 1    | A  | 1500.0 | -18        | 2000.0 | -12 |
| Aroclor-1260 Peak # 2    | A  | 1500.0 | -19        | 2000.0 | -10 |
| Aroclor-1260 Peak # 3    | A  | 1500.0 | -19        | 2000.0 | -5  |
| Aroclor-1260 Peak # 4    | A  | 1500.0 | -18        | 2000.0 | -4  |
| Aroclor-1260 Peak # 5    | A  | 1500.0 | -14        | 2000.0 | 3   |
| Decachlorobiphenyl (PCB) | A  | 120.00 | -19        | 160.00 | 3   |
| TCMX (PCB)               | A  | 120.00 | -6         | 160.00 | -1  |
| Aroclor-1016 Peak # 1    | B  | 1500.0 | -15        | 2000.0 | -19 |
| Aroclor-1016 Peak # 2    | B  | 1500.0 | -16        | 2000.0 | -18 |
| Aroclor-1016 Peak # 3    | B  | 1500.0 | -15        | 2000.0 | -13 |
| Aroclor-1016 Peak # 4    | B  | 1500.0 | -11        | 2000.0 | -10 |
| Aroclor-1016 Peak # 5    | B  | 1500.0 | -16        | 2000.0 | -13 |
| Aroclor-1260 Peak # 1    | B  | 1500.0 | <b>-21</b> | 2000.0 | -14 |
| Aroclor-1260 Peak # 2    | B  | 1500.0 | <b>-23</b> | 2000.0 | -16 |
| Aroclor-1260 Peak # 3    | B  | 1500.0 | -20        | 2000.0 | -12 |
| Aroclor-1260 Peak # 4    | B  | 1500.0 | -20        | 2000.0 | -10 |
| Aroclor-1260 Peak # 5    | B  | 1500.0 | <b>-22</b> | 2000.0 | -12 |
| Decachlorobiphenyl (PCB) | B  | 120.00 | <b>-23</b> | 160.00 | -10 |
| TCMX (PCB)               | B  | 120.00 | -8         | 160.00 | -2  |

MTS 03/27/24 : Corrected automatically drawn baseline for all channels in all levels.

MTS 03/27/24 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for all channels in all levels.

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506093 PCBS Wipe  
EPA 8082

|                      |                       |
|----------------------|-----------------------|
| Inst: SVOA-GC06      | Name: PCB_032624_1    |
| Calnum: 454124679002 | Cal Date: 26-MAR-2024 |

• ICV 454124679026 (gc06\_032624026 26-MAR-2024) stds: S20242

| Analyte      | Ch | Spiked | Quant | Units | %D | Max | Flags |
|--------------|----|--------|-------|-------|----|-----|-------|
| Aroclor-1016 | A  | 500.0  | 518.1 | ug/L  | 4  | 15  |       |
| Aroclor-1260 | A  | 500.0  | 492.4 | ug/L  | -2 | 15  |       |
| Aroclor-1016 | B  | 500.0  | 529.2 | ug/L  | 6  | 15  |       |
| Aroclor-1260 | B  | 500.0  | 474.1 | ug/L  | -5 | 15  |       |

•

Analyst: MTS 03/27/24

Reviewer: LW 03/27/24

ENTHALPY CONTINUING CALIBRATION FOR 506093 PCBS Wipe  
EPA 8082

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: SVOA-GC06      | File: gc06_041824004 | IDF: 1.0                |
| Seqnum: 454157500004 | Caldate: 26-MAR-2024 | Time: 18-APR-2024 09:40 |
| Cal: 454124679002    |                      |                         |

Standards: S20460

| Analyte                  | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|--------------------------|----|----------------|-----------|--------|-------|-------|----|--------|--------|-------|
| Aroclor-1016             | A  |                |           | 500.0  | 491.0 | ug/L  | -2 | 15     | 0.0000 |       |
| Aroclor-1260             | A  |                |           | 500.0  | 513.2 | ug/L  | 3  | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | A  | 1.1906         | 1.2405    | 40.00  | 41.68 | ug/L  | 4  | 15     | 0.0000 |       |
| TCMX (PCB)               | A  | 0.9004         | 0.9282    | 40.00  | 41.24 | ug/L  | 3  | 15     | 0.0000 |       |
| Aroclor-1016             | B  |                |           | 500.0  | 505.5 | ug/L  | 1  | 15     | 0.0000 |       |
| Aroclor-1260             | B  |                |           | 500.0  | 487.2 | ug/L  | -3 | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | B  | 0.8176         | 0.7639    | 40.00  | 37.37 | ug/L  | -7 | 15     | 0.0000 |       |
| TCMX (PCB)               | B  | 0.8673         | 0.8300    | 40.00  | 38.28 | ug/L  | -4 | 15     | 0.0000 |       |

| ISTD (ICAL gc06_032624016)   | Ch | ICAL Abund | Abund    | %Drift |
|------------------------------|----|------------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 32342806   | 44115355 | 36.40  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2506887    | 3051386  | 21.72  |

04/18/24 : 500 PPB PCB CCV

MES 04/18/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

MES 04/18/24 [Aroclor-1016 B]: Corrected automatically drawn baseline for Ch. B.

**Analyst:** MES 04/18/24

**Reviewer:** LW 04/22/24



| Date: 04/18/24                  |      | Reference: gc06_032624016 |                  |                  |
|---------------------------------|------|---------------------------|------------------|------------------|
| Sequence: SVOA-GC06 gc06_041824 |      | Analyzed: 03/26/24 14:38  |                  |                  |
| #                               | Type | Sample ID                 | 1BR2NITROBZPCB B | 1BR2NITROBZPCB A |
|                                 |      | ICAL STD                  | 32342806         | 2506887          |
|                                 |      | LOWER LIMIT               | 16171403         | 1253444          |
|                                 |      | UPPER LIMIT               | 64685612         | 5013774          |
| 004                             | CCV  |                           | 44115355         | 3051386          |

Date: 04/18/24  
Sequence: SVOA-GC06 gc06\_041824

Reference: gc06\_041824004  
Analyzed: 04/18/24 09:40

| #   | Type   | Sample ID                                                                | 1BR2NITROBZPCB<br>B | 1BR2NITROBZPCB<br>A |
|-----|--------|--------------------------------------------------------------------------|---------------------|---------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV<br>STD | 44115355            | 3051386             |
|     |        | LOWER LIMIT                                                              | 22057677            | 1525693             |
|     |        | UPPER LIMIT                                                              | 88230709            | 6102771             |
| 010 | BLANK  | QC1145360                                                                | 49751815            | 3089054             |
| 011 | BS     | QC1145361                                                                | 50484081            | 3110621             |
| 012 | BSD    | QC1145362                                                                | 51603961            | 2892086             |
| 017 | SAMPLE | 506093-001                                                               | 50435175            | 2954461             |
| 018 | SAMPLE | 506093-004                                                               | 54744887            | 3129132             |
| 019 | SAMPLE | 506093-006                                                               | 52082202            | 3062000             |
| 020 | SAMPLE | 506093-007                                                               | 55389729            | 3255964             |
| 021 | SAMPLE | 506093-009                                                               | 50847077            | 3044716             |
| 022 | SAMPLE | 506093-011                                                               | 54191662            | 3179902             |
| 023 | SAMPLE | 506093-013                                                               | 50438067            | 3063837             |
| 024 | SAMPLE | 506093-015                                                               | 52117647            | 3102356             |
| 025 | SAMPLE | 506093-017                                                               | 50507597            | 2858829             |
| 026 | SAMPLE | 506093-019                                                               | 51561731            | 3241741             |
| 027 | SAMPLE | 506093-021                                                               | 48551646            | 2963314             |
| 028 | SAMPLE | 506093-023                                                               | 51101783            | 2971442             |

Date: 04/18/24  
Sequence: SVOA-GC06 gc06\_041824

Reference: gc06\_041824004  
Analyzed: 04/18/24 09:40

| #   | Type   | Sample ID                                                                | 1BR2NITROBZPCB<br>B RT | 1BR2NITROBZPCB<br>A RT |
|-----|--------|--------------------------------------------------------------------------|------------------------|------------------------|
|     |        | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV<br>STD | 3.92                   | 3.75                   |
|     |        | LOWER LIMIT                                                              | 3.72                   | 3.55                   |
|     |        | UPPER LIMIT                                                              | 4.12                   | 3.95                   |
| 010 | BLANK  | QC1145360                                                                | 3.91                   | 3.75                   |
| 011 | BS     | QC1145361                                                                | 3.92                   | 3.75                   |
| 012 | BSD    | QC1145362                                                                | 3.91                   | 3.75                   |
| 017 | SAMPLE | 506093-001                                                               | 3.91                   | 3.75                   |
| 018 | SAMPLE | 506093-004                                                               | 3.91                   | 3.75                   |
| 019 | SAMPLE | 506093-006                                                               | 3.91                   | 3.75                   |
| 020 | SAMPLE | 506093-007                                                               | 3.91                   | 3.75                   |
| 021 | SAMPLE | 506093-009                                                               | 3.91                   | 3.75                   |
| 022 | SAMPLE | 506093-011                                                               | 3.91                   | 3.75                   |
| 023 | SAMPLE | 506093-013                                                               | 3.91                   | 3.75                   |
| 024 | SAMPLE | 506093-015                                                               | 3.92                   | 3.75                   |
| 025 | SAMPLE | 506093-017                                                               | 3.92                   | 3.75                   |
| 026 | SAMPLE | 506093-019                                                               | 3.92                   | 3.75                   |
| 027 | SAMPLE | 506093-021                                                               | 3.92                   | 3.75                   |
| 028 | SAMPLE | 506093-023                                                               | 3.92                   | 3.75                   |

Instrument: SVOA-GC06

Begun: 03/26/24 13:59

Method: EPA 8082

| #   | File           | Type    | Sample ID  | Matrix | Batch  | Analyzed       | IDF | Stds Used |  |
|-----|----------------|---------|------------|--------|--------|----------------|-----|-----------|--|
| 014 | gc06_032624014 | ICAL    |            |        |        | 03/26/24 13:59 | 1.0 | 1         |  |
| 015 | gc06_032624015 | ICAL    |            |        |        | 03/26/24 14:19 | 1.0 | 2         |  |
| 016 | gc06_032624016 | ICAL    |            |        |        | 03/26/24 14:38 | 1.0 | 3         |  |
| 018 | gc06_032624018 | ICAL    |            |        |        | 03/26/24 15:18 | 1.0 | 4         |  |
| 019 | gc06_032624019 | ICAL    |            |        |        | 03/26/24 15:37 | 1.0 | 5         |  |
| 020 | gc06_032624020 | ICAL    |            |        |        | 03/26/24 15:57 | 1.0 | 6         |  |
| 021 | gc06_032624021 | ICAL    |            |        |        | 03/26/24 16:17 | 1.0 | 7         |  |
| 022 | gc06_032624022 | ICAL    |            |        |        | 03/26/24 16:37 | 1.0 | 8         |  |
| 023 | gc06_032624023 | ICAL    |            |        |        | 03/26/24 16:57 | 1.0 | 9         |  |
| 024 | gc06_032624024 | ICAL    |            |        |        | 03/26/24 19:13 | 1.0 | 10        |  |
| 026 | gc06_032624026 | ICV/CCV |            |        |        | 03/26/24 19:53 | 1.0 | 11        |  |
| 032 | gc06_032624032 | BLANK   | QC1139412  | Air    | 336262 | 03/27/24 01:45 | 1.0 | 12        |  |
| 033 | gc06_032624033 | BS      | QC1139413  | Air    | 336262 | 03/27/24 02:05 | 1.0 | 12        |  |
| 034 | gc06_032624034 | BSD     | QC1139414  | Air    | 336262 | 03/27/24 02:24 | 1.0 | 12        |  |
| 035 | gc06_032624035 | SAMPLE  | 505000-003 | Air    | 336262 | 03/27/24 02:44 | 1.0 | 12        |  |
| 036 | gc06_032624036 | SAMPLE  | 505000-005 | Air    | 336262 | 03/27/24 03:03 | 1.0 | 12        |  |

MTS 03/27/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 14 through 26.

## Standards Used:

1=S20226 2=S20227 3=S20228 4=S20229 5=S20230 6=S20231 7=S20232 8=S20233 9=S20234 10=S20235 11=S20242 12=S19190

Instrument: SVOA-GC06

Begun: 04/18/24 09:00

Method: EPA 8081A, EPA 8082

| #   | File           | Type   | Sample ID  | Matrix | Batch  | Analyzed       | IDF | Stds Used |  |
|-----|----------------|--------|------------|--------|--------|----------------|-----|-----------|--|
| 002 | gc06_041824002 | PEM    |            |        |        | 04/18/24 09:00 | 1.0 | 1         |  |
| 003 | gc06_041824003 | CCV    |            |        |        | 04/18/24 09:20 | 1.0 | 2         |  |
| 004 | gc06_041824004 | CCV    |            |        |        | 04/18/24 09:40 | 1.0 | 3         |  |
| 010 | gc06_041824010 | BLANK  | QC1145360  | Wipe   | 338024 | 04/18/24 11:27 | 1.0 | 4         |  |
| 011 | gc06_041824011 | BS     | QC1145361  | Wipe   | 338024 | 04/18/24 11:47 | 1.0 | 4         |  |
| 012 | gc06_041824012 | BSD    | QC1145362  | Wipe   | 338024 | 04/18/24 12:08 | 1.0 | 4         |  |
| 013 | gc06_041824013 | LCS    | QC1145431  | Soil   | 338043 | 04/18/24 12:28 | 1.0 | 4         |  |
| 014 | gc06_041824014 | LCS    | QC1145432  | Soil   | 338043 | 04/18/24 12:49 | 1.0 | 4         |  |
| 015 | gc06_041824015 | LCS    | QC1145433  | Soil   | 338043 | 04/18/24 13:10 | 1.0 | 4         |  |
| 016 | gc06_041824016 | LCS    | QC1145434  | Soil   | 338043 | 04/18/24 13:29 | 1.0 | 4         |  |
| 017 | gc06_041824017 | SAMPLE | 506093-001 | Wipe   | 338024 | 04/18/24 13:50 | 1.0 | 4         |  |
| 018 | gc06_041824018 | SAMPLE | 506093-004 | Wipe   | 338024 | 04/18/24 14:11 | 1.0 | 4         |  |
| 019 | gc06_041824019 | SAMPLE | 506093-006 | Wipe   | 338024 | 04/18/24 14:32 | 1.0 | 4         |  |
| 020 | gc06_041824020 | SAMPLE | 506093-007 | Wipe   | 338024 | 04/18/24 14:53 | 1.0 | 4         |  |
| 021 | gc06_041824021 | SAMPLE | 506093-009 | Wipe   | 338024 | 04/18/24 15:14 | 1.0 | 4         |  |
| 022 | gc06_041824022 | SAMPLE | 506093-011 | Wipe   | 338024 | 04/18/24 15:35 | 1.0 | 4         |  |
| 023 | gc06_041824023 | SAMPLE | 506093-013 | Wipe   | 338024 | 04/18/24 15:55 | 1.0 | 4         |  |
| 024 | gc06_041824024 | SAMPLE | 506093-015 | Wipe   | 338024 | 04/18/24 16:16 | 1.0 | 4         |  |
| 025 | gc06_041824025 | SAMPLE | 506093-017 | Wipe   | 338024 | 04/18/24 16:36 | 1.0 | 4         |  |
| 026 | gc06_041824026 | SAMPLE | 506093-019 | Wipe   | 338024 | 04/18/24 16:57 | 1.0 | 4         |  |
| 027 | gc06_041824027 | SAMPLE | 506093-021 | Wipe   | 338024 | 04/18/24 17:18 | 1.0 | 4         |  |
| 028 | gc06_041824028 | SAMPLE | 506093-023 | Wipe   | 338024 | 04/18/24 17:39 | 1.0 | 4         |  |

MES 04/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 28.

Standards Used:

1=S19911 2=S20440 3=S20460 4=S20106

SAMPLE PREPARATION SUMMARY

|                 |                              |                  |
|-----------------|------------------------------|------------------|
| Batch #: 338024 | Prep Date: 17-APR-2024 12:59 | Started By: RAC  |
| Analysis: 8080  | Method: 3546                 | Finished By: RAC |

| Sample          | Matrix | Initial | Final | Prep<br>DF | pH | Spike<br>S20433 | Spike<br>S20377 | Analysis      |
|-----------------|--------|---------|-------|------------|----|-----------------|-----------------|---------------|
| QC1145360 BLANK | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | 8080          |
| QC1145361 BS    | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           | .5 mL           | 8080          |
| QC1145362 BSD   | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           | .5 mL           | 8080          |
| 506093-001      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-004      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-006      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-007      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-009      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-011      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-013      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-015      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-017      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-019      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-021      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |
| 506093-023      | Wipe   | 1 dm2   | 10 mL | 10.0       |    | .5 mL           |                 | PCB-MICROWAVE |

**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

# 8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 4/17/24 12:59 Initials: RAC

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

Hotblock Temp (Obs/Corr), °C: N/A

Balance ID: N/A Microdispenser ID: Syringe

Extraction Start Time\*: 13:10 Extraction end time\*: 13:55  
\* For hot block, microwave, shaker table

608.3 QC Batch#: \_\_\_\_\_

8081 QC Batch #: \_\_\_\_\_

8082 QC Batch #: 338024

\* For hot block, microwave, shaker table

[illegible]Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: EH753-V5

Acetone-Hexane Mix ID: NA

Sodium Sulfate Lot: 231469

Baked Sand Lot: 177317A

Surrogate ID: SLE433

Pest LCS Spike ID: \_\_\_\_\_ Volume: \_\_\_\_\_  $\mu$ L

PCB LCS Spike ID: S20377 Volume: 500  $\mu$ L

Pest MS/MSD Spike ID: \_\_\_\_\_ Volume: 0.05  $\mu$ L  
PCB MS/MSD Spike ID: \_\_\_\_\_ Volume: \_\_\_\_\_  $\mu$ L

PCB MS/MSD Spike ID: \_\_\_\_\_ Volume: \_\_\_\_\_  $\mu$ L

# REPORTING SUMMARY FOR 506093 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 506093-001 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 13:50 |
| 506093-001 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 13:50 |
|            |                          |           |    |                |
| 506093-004 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 14:11 |
| 506093-004 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 14:11 |
|            |                          |           |    |                |
| 506093-006 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 14:32 |



# REPORTING SUMMARY FOR 506093 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 506093-006 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 14:32 |
| 506093-006 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 14:32 |
|            |                          |           |    |                |
| 506093-007 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 14:53 |
| 506093-007 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 14:53 |
|            |                          |           |    |                |
| 506093-009 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 15:14 |
| 506093-009 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 15:14 |
|            |                          |           |    |                |
| 506093-011 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 15:35 |

# REPORTING SUMMARY FOR 506093 PCBs Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 506093-011 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 15:35 |
| 506093-011 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 15:35 |
|            |                          |           |    |                |
| 506093-013 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 15:55 |
| 506093-013 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 15:55 |
|            |                          |           |    |                |
| 506093-015 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 16:16 |
| 506093-015 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 16:16 |
|            |                          |           |    |                |
| 506093-017 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 16:36 |

# REPORTING SUMMARY FOR 506093 PCBS Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 506093-017 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 16:36 |
| 506093-017 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 16:36 |
|            |                          |           |    |                |
| 506093-019 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 16:57 |
| 506093-019 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 16:57 |
|            |                          |           |    |                |
| 506093-021 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 17:18 |
| 506093-021 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 17:18 |
|            |                          |           |    |                |

# REPORTING SUMMARY FOR 506093 PCBs Wipe

| Sample ID  | Analyte                  | Inst ID   | Ch | Date & Time    |
|------------|--------------------------|-----------|----|----------------|
| 506093-023 | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 17:39 |
| 506093-023 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 17:39 |
|            |                          |           |    |                |
| QC1145360  | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1221             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1232             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1242             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1248             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1254             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1262             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Aroclor-1268             | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 11:27 |
| QC1145360  | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 11:27 |
|            |                          |           |    |                |
| QC1145361  | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 11:47 |
| QC1145361  | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 11:47 |
| QC1145361  | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 11:47 |
| QC1145361  | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 11:47 |
|            |                          |           |    |                |
| QC1145362  | Aroclor-1016             | SVOA-GC06 | B  | 04/18/24 12:08 |
| QC1145362  | Aroclor-1260             | SVOA-GC06 | B  | 04/18/24 12:08 |
| QC1145362  | TCMX (PCB)               | SVOA-GC06 | B  | 04/18/24 12:08 |
| QC1145362  | Decachlorobiphenyl (PCB) | SVOA-GC06 | B  | 04/18/24 12:08 |

### **Sample Raw Data**

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                             |
|----------------------|----------------------|---------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-001   | Client ID: ARCH-C14E-EXT-1 TO 2-240412-P-WF |
| Seqnum: 454157500017 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                      |
| File: gc06_041824017 | Batch: 338024        | Time: 18-APR-2024 13:50                     |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                             |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                               |

• 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte               | Ch | Raw    | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 39.23  | ND     | 0.64 | 47%  | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 118.9  | 1.19   | 1.76 | 39%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 65.17  | 0.65   | 0.29 | 76%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 10.97  | 0.11   | 1.06 | 162% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 0.5204 | 0.01   | 0.07 | 170% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 0.6098 | 0.01   | ND   |      |      |       |       |
| <b>Aroclor-1221</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 14.98  | ND     | 1.2  | 155% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 3.108  | 0.03   | 3.12 | 196% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 38.74  | 0.39   | 0.06 | 145% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 12.56  | 0.13   | 0.34 | 92%  |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 2.040  | 0.02   | 2.32 | 197% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 18.46  | 0.18   | 0.12 | 40%  |      |       |       |
| <b>Aroclor-1262</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |        | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 28.59 | 0.5000 | 0.2859 | 57   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 24.81 | 0.5000 | 0.2481 | 50   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 50435175     | 14.33  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 2954461      | -3.18  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use

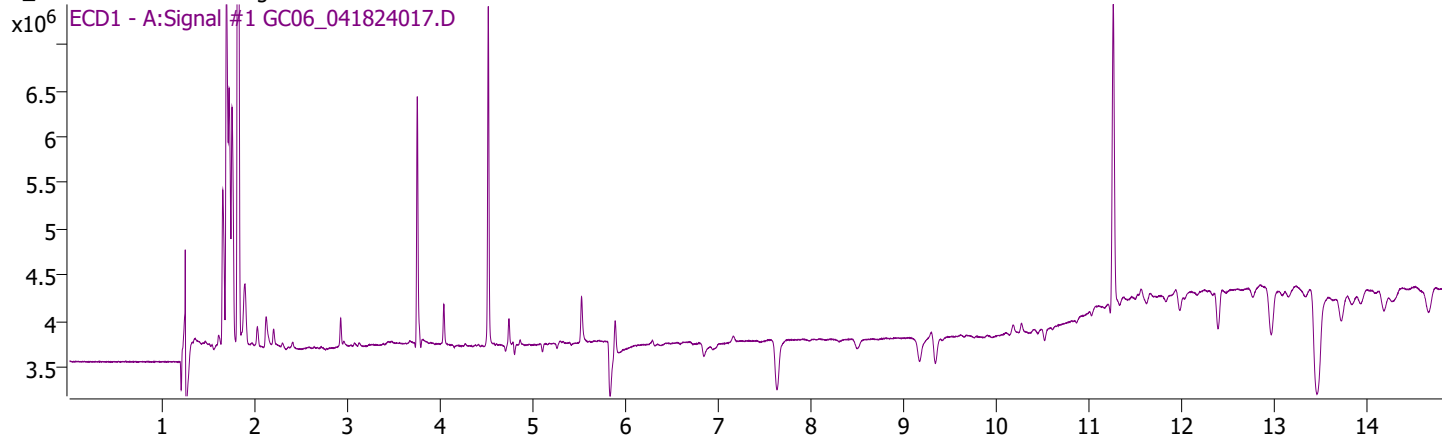
**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

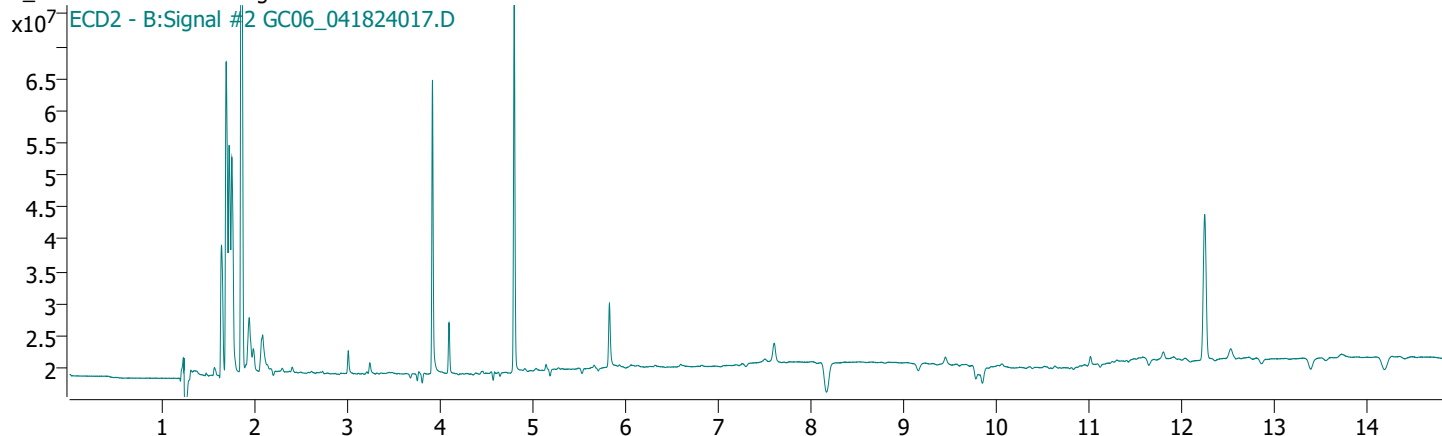
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824017.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 1:50:32 PM  |
| Sample Name    | 506093-001, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 4                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824017.D No MS Signals



GC06\_041824017.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.750                | 0.0  | 2954461.12<br>5  | 20.0000            | ng/ml | -0.001   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.914                | 0.0  | 50435174.9<br>98 | 20.0000            | ng/ml | -0.001   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.516                | 0.0  | 3802313.76<br>5  | 28.5861            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 142.93% |       |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 62532278.7<br>50 | 28.5925            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 142.96% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.257               | 0.0  | 5526775.72<br>5  | 31.4235            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 157.12% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.243               | 0.0  | 51162433.3<br>72 | 24.8144            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 124.07% |       |          |

**Target Compounds**

**QValue**

# Quantitation Results Report (Not Reviewed)

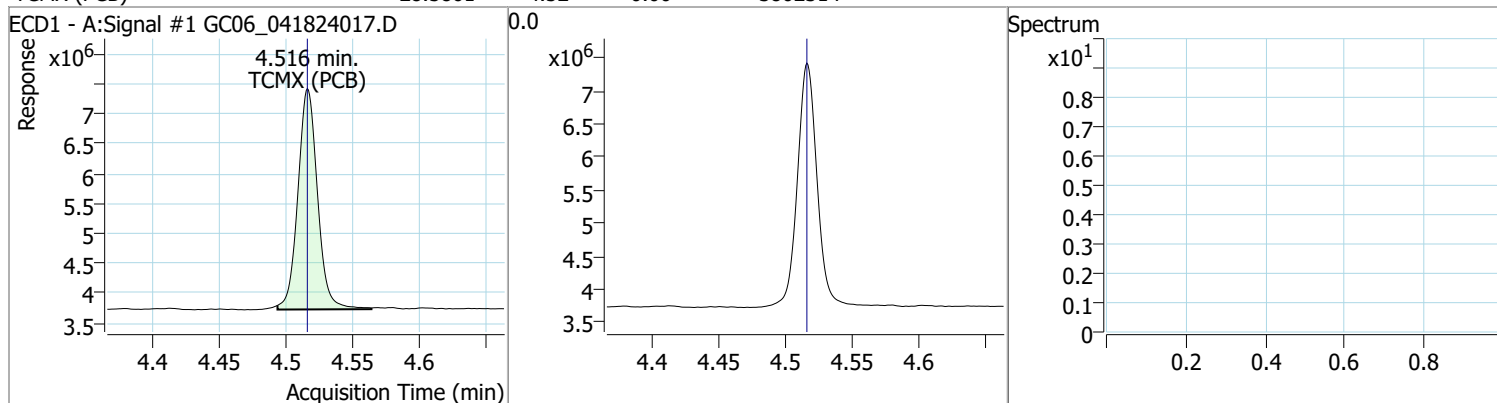
| Compound      | RT     | QIon | Resp.       | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-------------|----------|-------|----------|
| T AR1016 1    | 4.859  | 0.0  | 559277.128  | 176.0947 | ng/ml | 100      |
| T AR1016 2    | 5.072  | 0.0  | 178880.282  | 29.2558  | ng/ml | 100      |
| T AR1016 1 #2 | 5.273  | 0.0  | 5540555.794 | 118.8832 | ng/ml | 100      |
| T AR1016 3    | 5.522  | 0.0  | 794450.070  | 105.9268 | ng/ml | 100      |
| T AR1016 2 #2 | 5.659  | 0.0  | 6076238.741 | 65.1697  | ng/ml | 100      |
| T AR1016 4    | 5.709  | 0.0  | 34500.650   | 6.5155   | ng/ml | 100      |
| T AR1016 5    | 0.000  |      | 0           | N.D.     |       |          |
| T AR1016 3 #2 | 6.056  | 0.0  | 1417154.379 | 10.9738  | ng/ml | 100      |
| T AR1016 4 #2 | 6.218  | 0.0  | 44422.743   | 0.5204   | ng/ml | 100      |
| T AR1016 5 #2 | 6.767  | 0.0  | 43573.154   | 0.6098   | ng/ml | 100      |
| T AR1260 1    | 7.552  | 0.0  | 2821577.490 | 312.2679 | ng/ml | 100      |
| T AR1260 2    | 8.087  | 0.0  | 86245.787   | 6.2392   | ng/ml | 100      |
| T AR1260 3    | 8.664  | 0.0  | 497847.906  | 34.1719  | ng/ml | 100      |
| T AR1260 1 #2 | 8.913  | 0.0  | 438694.711  | 3.1077   | ng/ml | 100      |
| T AR1260 4    | 9.294  | 0.0  | 1942094.950 | 231.7356 | ng/ml | 100      |
| T AR1260 2 #2 | 9.234  | 0.0  | 6651981.464 | 38.7373  | ng/ml | 100      |
| T AR1260 3 #2 | 9.799  | 0.0  | 2659679.310 | 12.5605  | ng/ml | 100      |
| T AR1260 5    | 10.098 | 0.0  | 114616.373  | 12.2493  | ng/ml | 100      |
| T AR1260 4 #2 | 10.272 | 0.0  | 268596.657  | 2.0399   | ng/ml | 100      |
| T AR1260 5 #2 | 11.010 | 0.0  | 3273442.905 | 18.4626  | ng/ml | 100      |

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

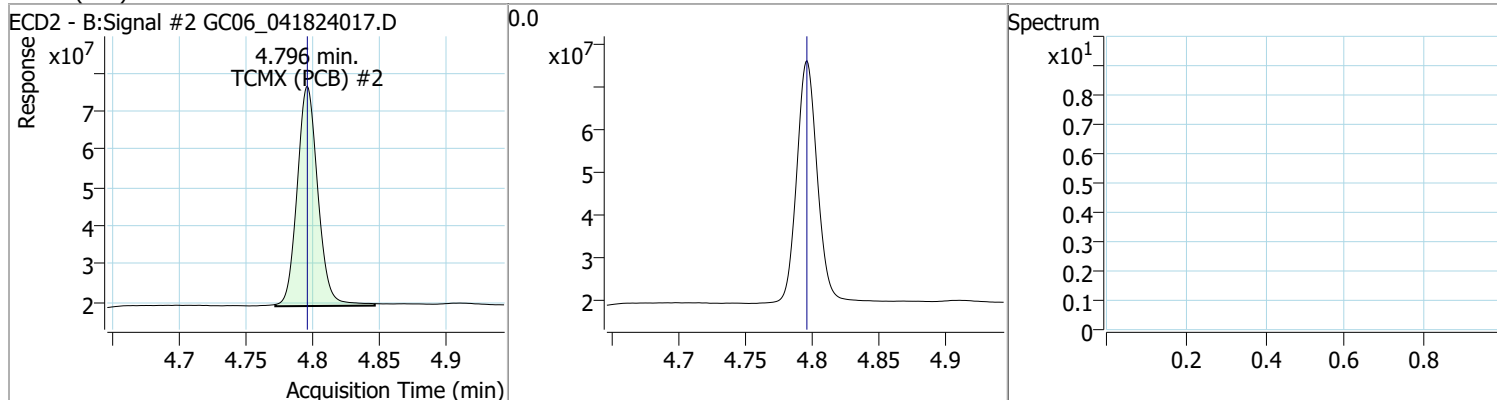


# Quantitation Results Report (Not Reviewed)

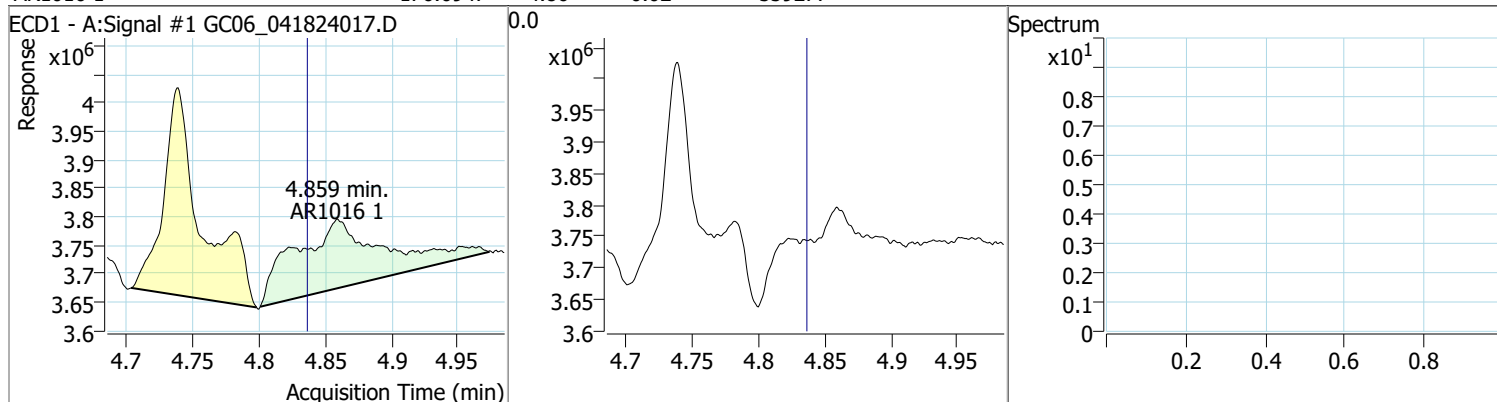
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 28.5861 | 4.52 | 0.00     | 3802314 |      |        |       |       |



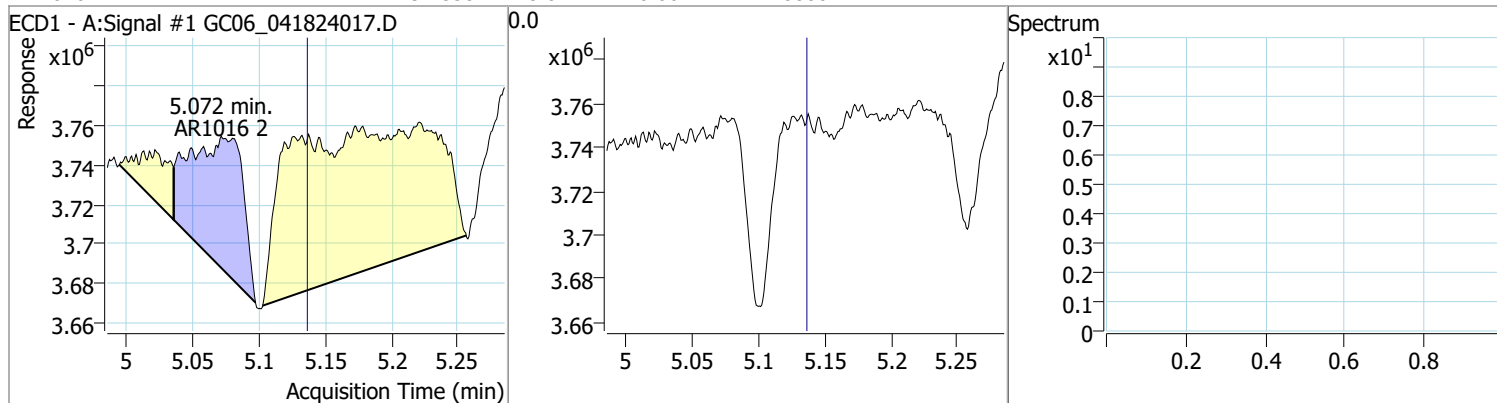
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 28.5925 | 4.80 | 0.00     | 62532279 |      |        |       |       |



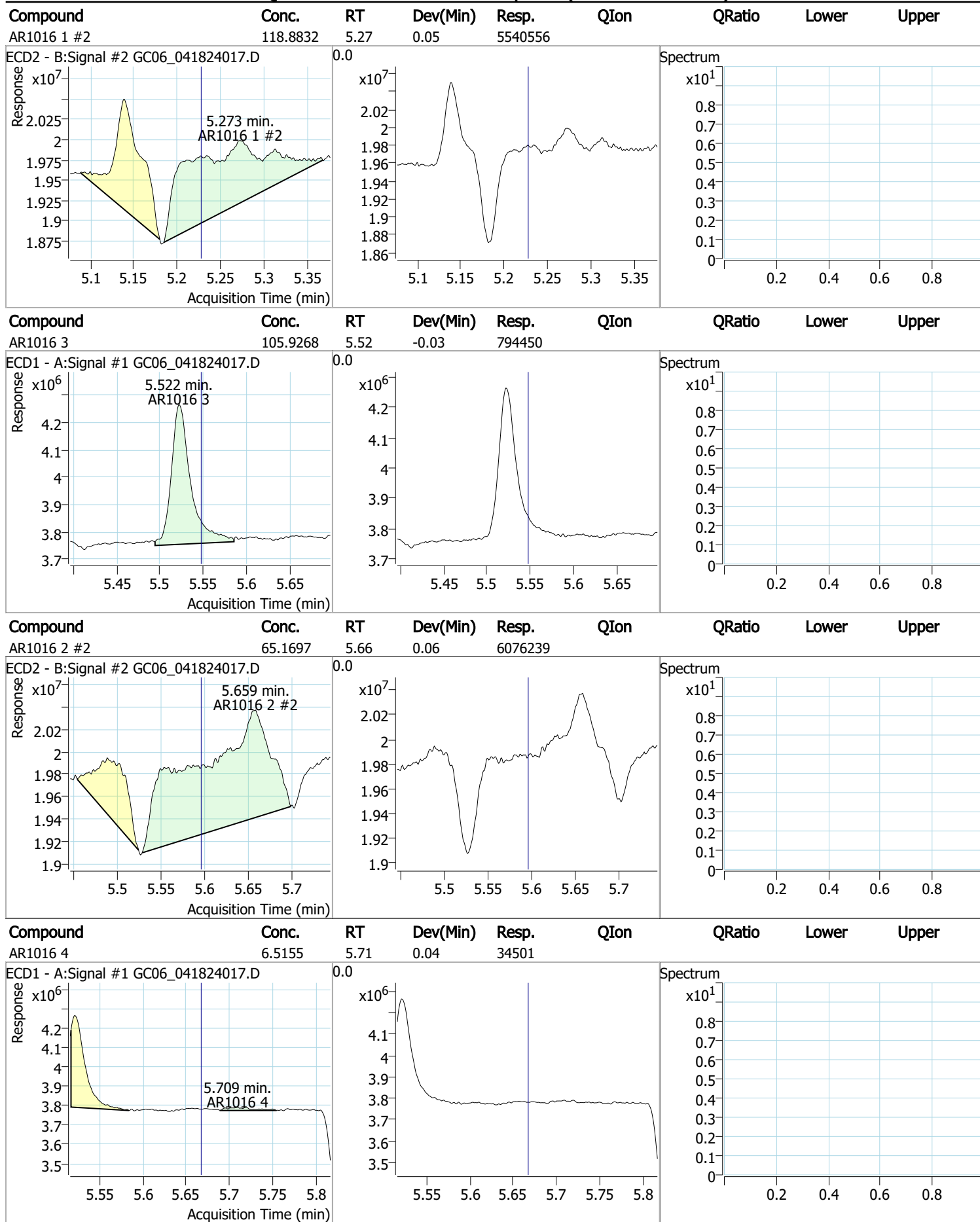
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 176.0947 | 4.86 | 0.02     | 559277 |      |        |       |       |



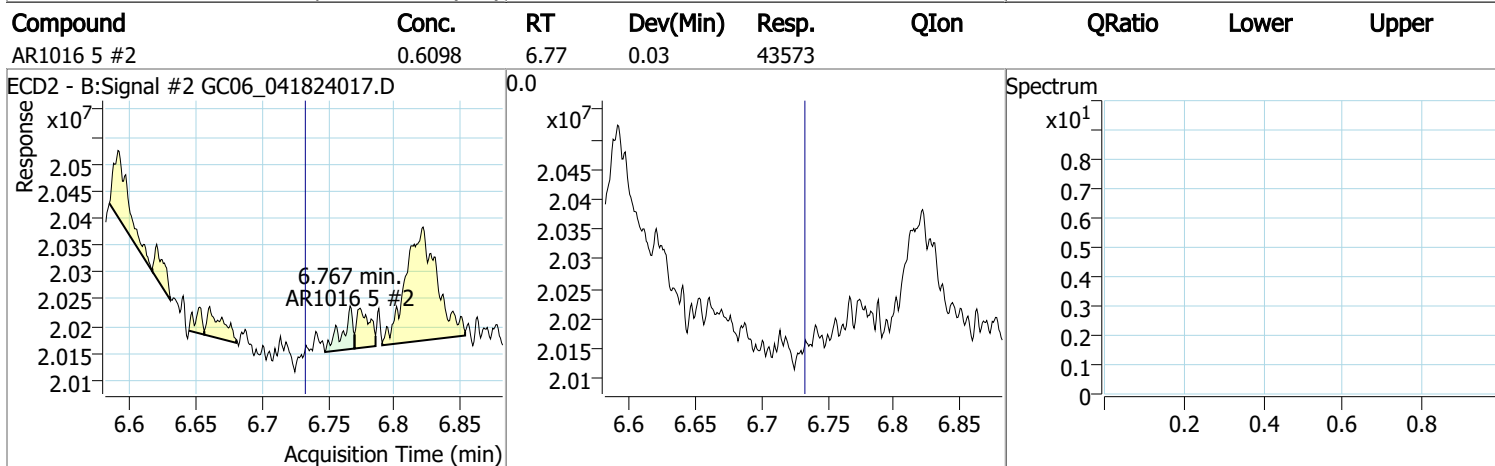
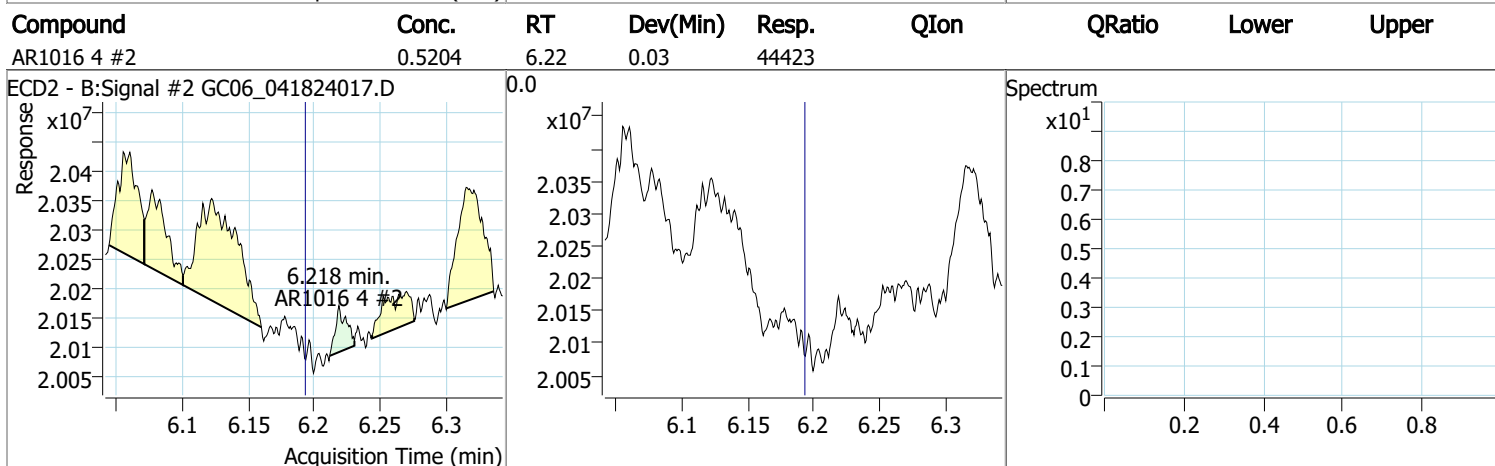
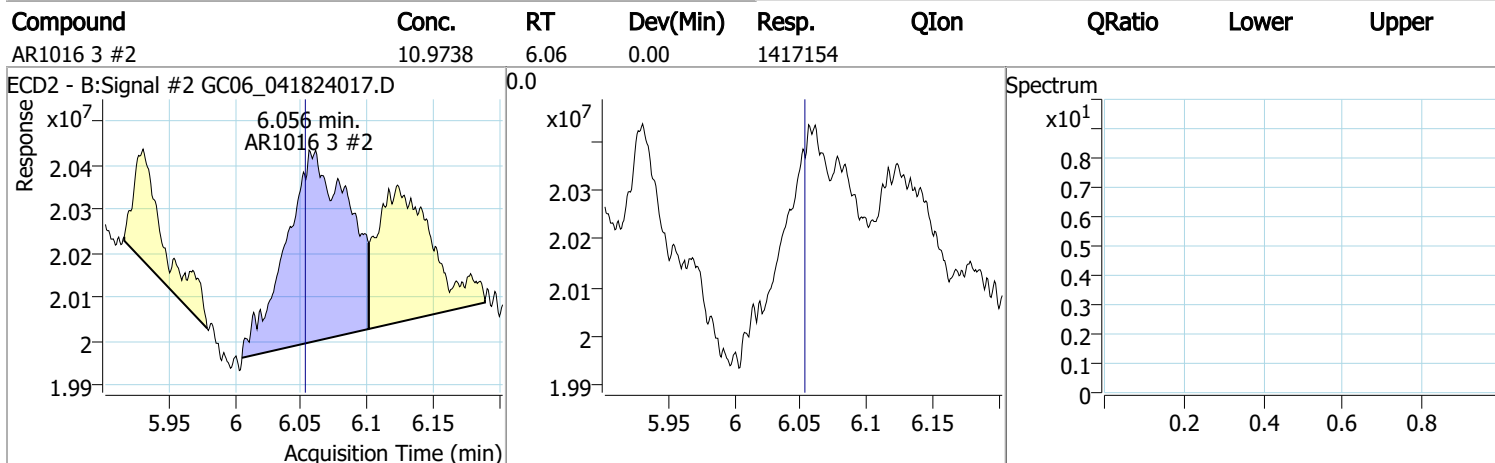
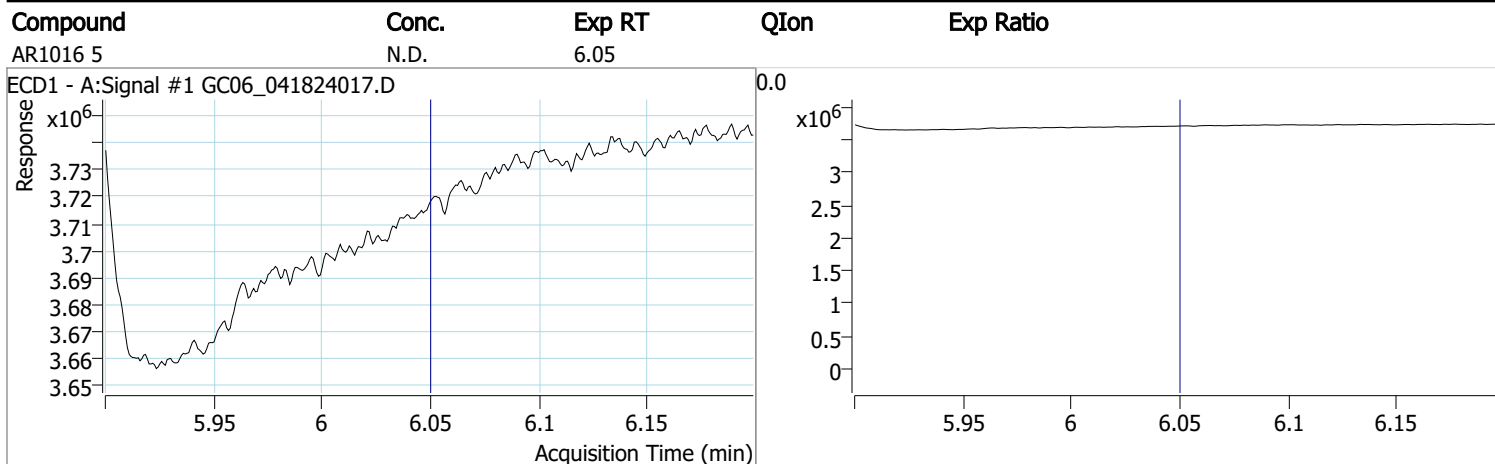
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 29.2558 | 5.07 | -0.06    | 178880 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

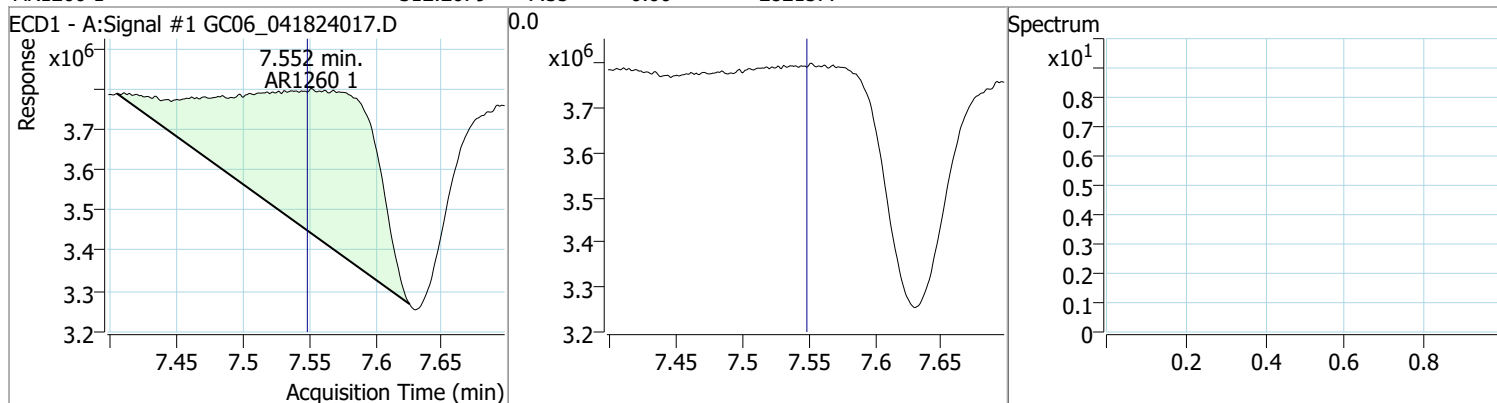


# Quantitation Results Report (Not Reviewed)

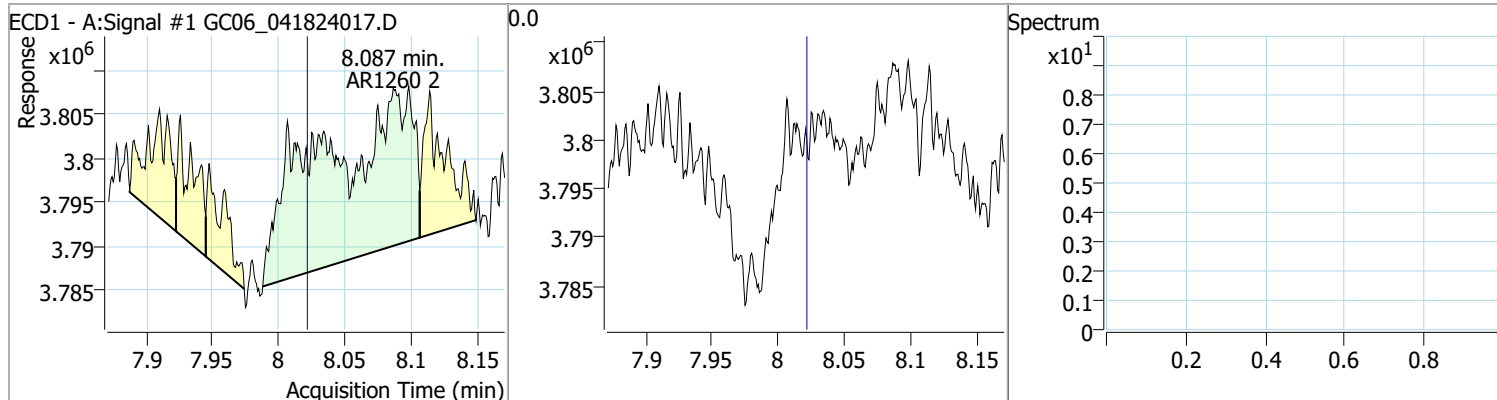


# Quantitation Results Report (Not Reviewed)

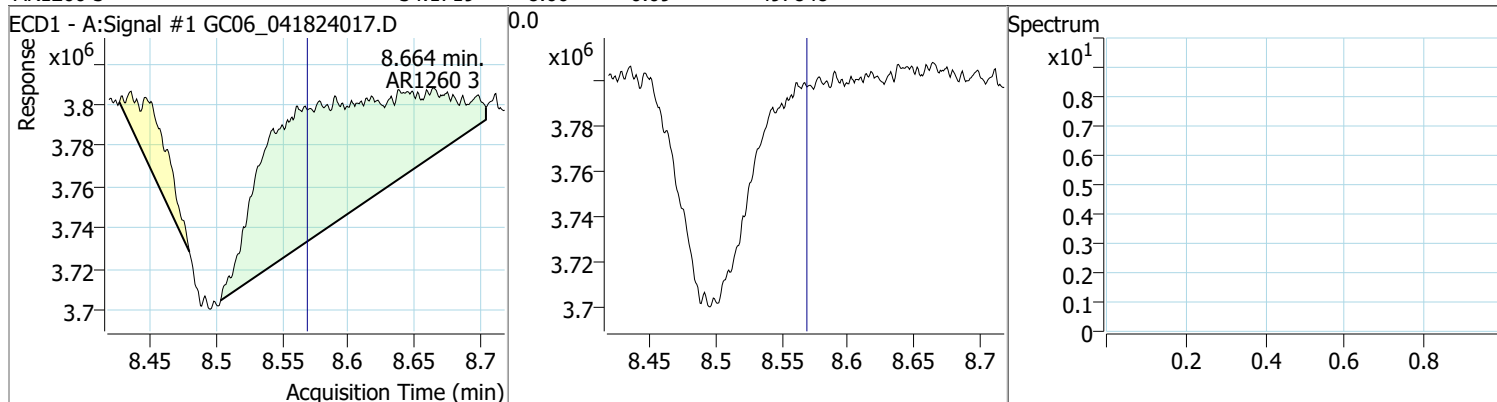
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 312.2679 | 7.55 | 0.00     | 2821577 |      |        |       |       |



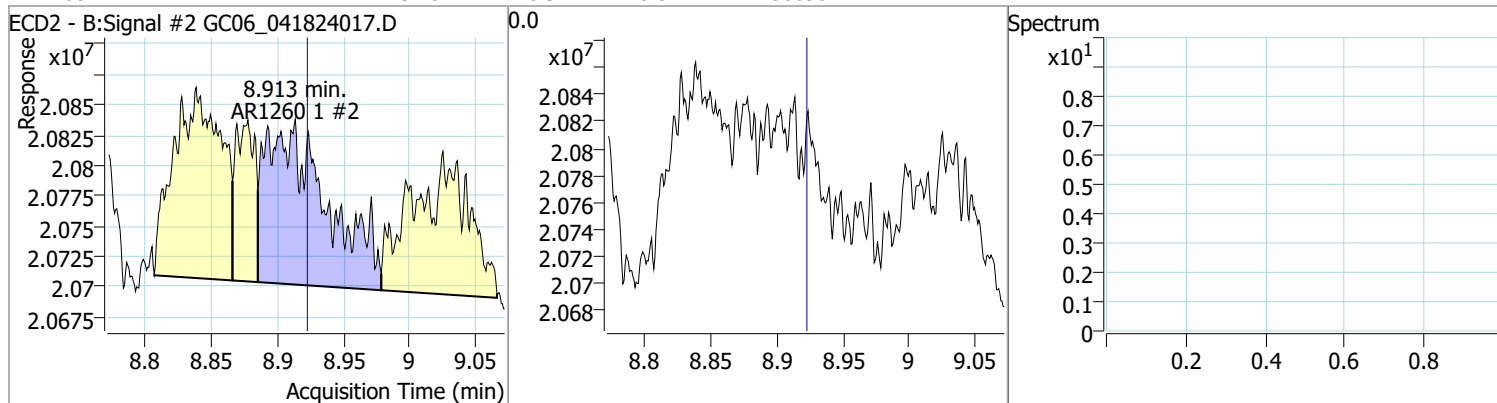
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 6.2392 | 8.09 | 0.06     | 86246 |      |        |       |       |



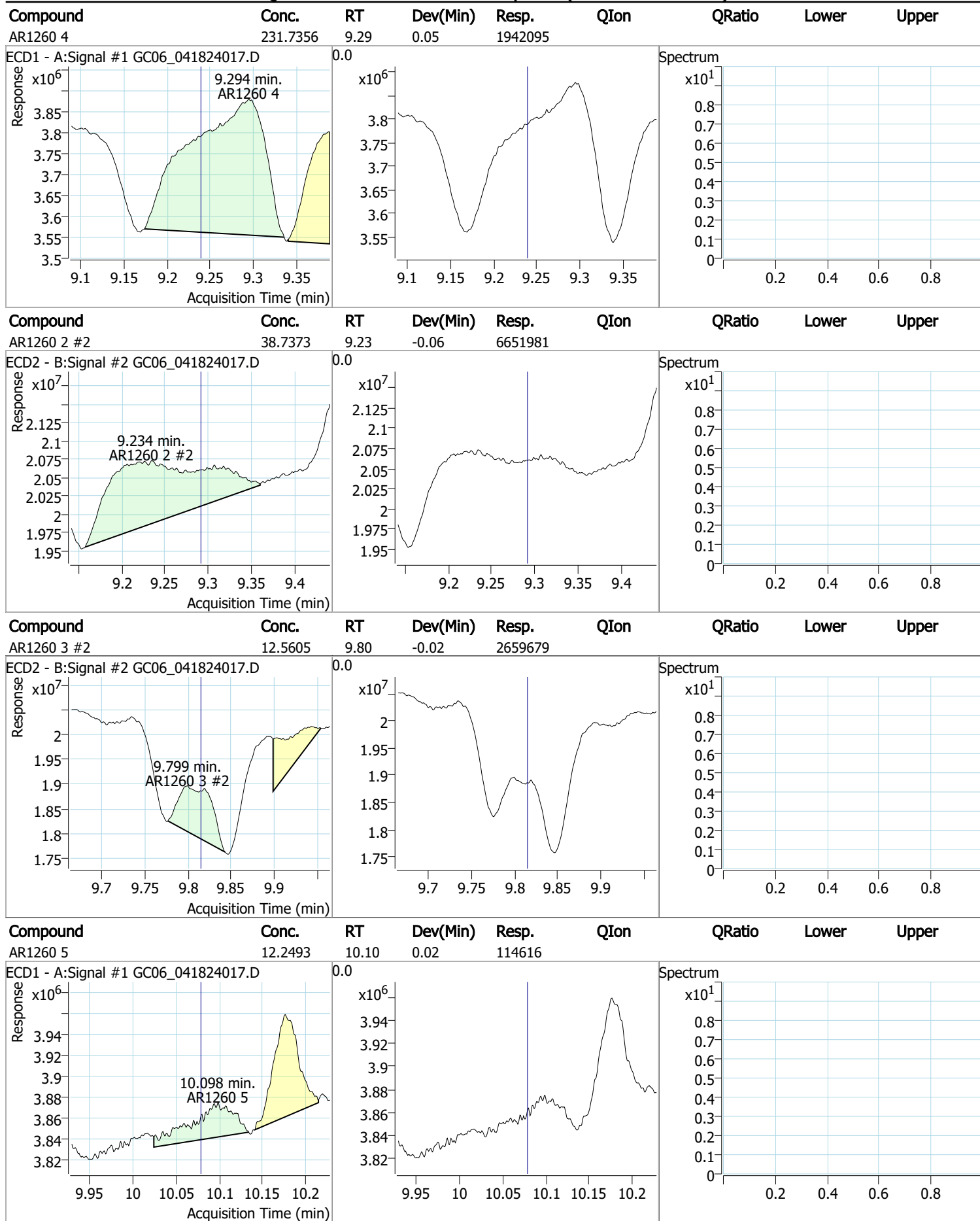
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 3 | 34.1719 | 8.66 | 0.09     | 497848 |      |        |       |       |



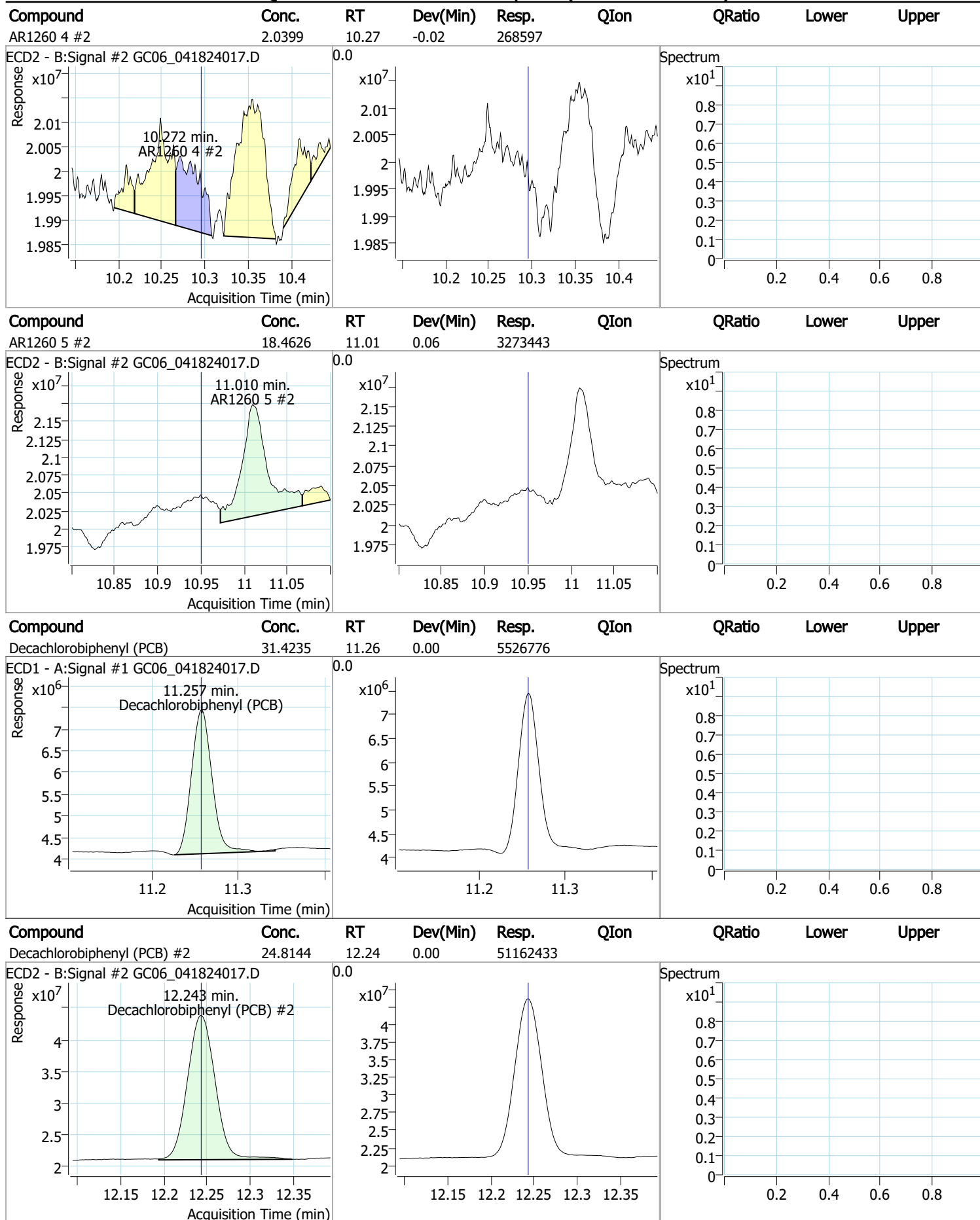
| Compound    | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|------|----------|--------|------|--------|-------|-------|
| AR1260 1 #2 | 3.1077 | 8.91 | -0.01    | 438695 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-004   | Client ID: ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA |
| Seqnum: 454157500018 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_041824018 | Batch: 338024        | Time: 18-APR-2024 14:11                                  |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw    | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 32.51  | ND     | 0.72 | 76%  | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 18.68  | 0.19   | 1.26 | 148% |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 38.49  | 0.38   | 0.30 | 24%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 103.6  | 1.04   | 1.71 | 49%  |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 0.9026 | 0.01   | 0.23 | 185% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 0.8258 | 0.01   | 0.12 | 175% |      |       |       |
| <b>Aroclor-1221</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 12.25  | ND     | 1.1  | 160% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 7.239  | 0.07   | 3.05 | 191% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 26.39  | 0.26   | 0.04 | 152% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 8.644  | 0.09   | 0.29 | 107% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 14.48  | 0.14   | 1.97 | 173% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 4.477  | 0.04   | 0.19 | 122% |      |       |       |
| <b>Aroclor-1262</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |        | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 34.45 | 0.5000 | 0.3445 | 69   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 28.03 | 0.5000 | 0.2803 | 56   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 54744887     | 24.09  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3129132      | 2.55   |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use

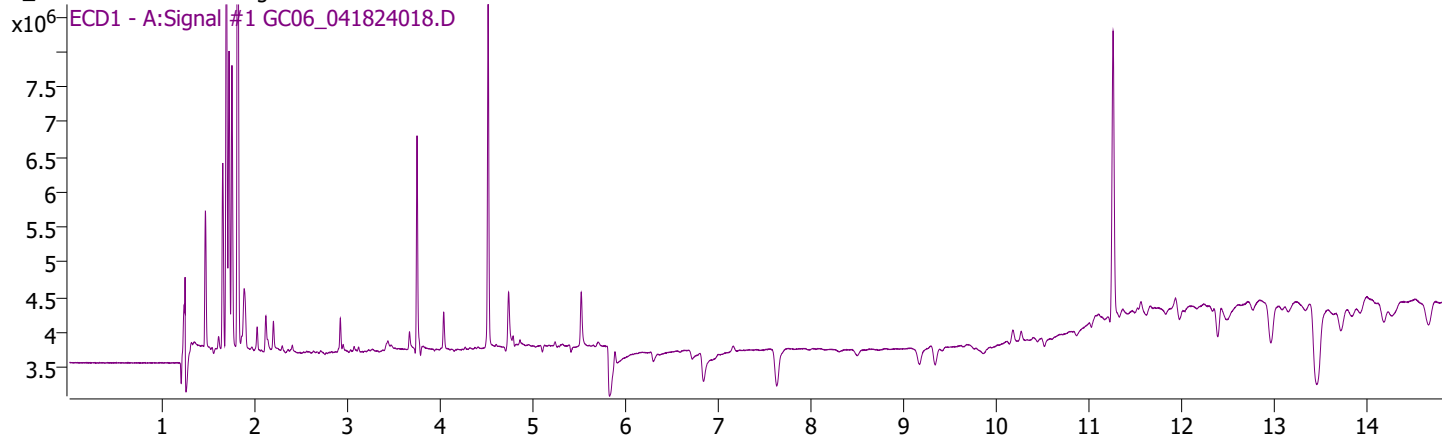
**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

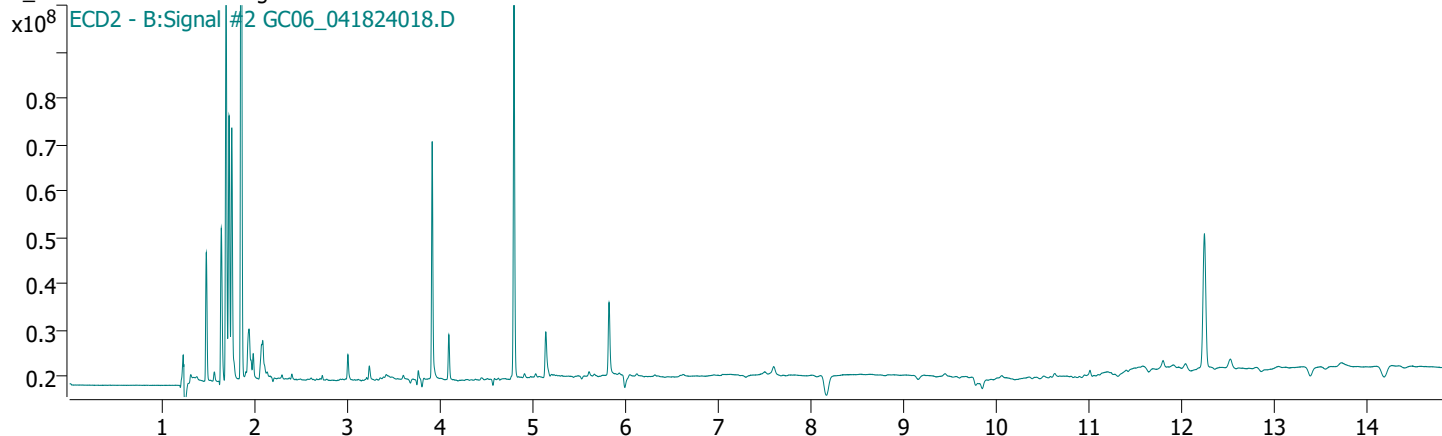
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824018.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 2:11:31 PM  |
| Sample Name    | 506093-004, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 5                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824018.D No MS Signals



GC06\_041824018.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.749                | 0.0  | 3129132.47<br>4  | 20.0000            | ng/ml | -0.002   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 54744886.9<br>25 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.517                | 0.0  | 5107596.07<br>4  | 36.2558            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 181.28% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 81778616.1<br>30 | 34.4490            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 172.25% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.259               | 0.0  | 6713626.98<br>6  | 36.0407            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 180.20% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.245               | 0.0  | 62722710.7<br>12 | 28.0264            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 140.13% |       |          |

## Target Compounds

QValue



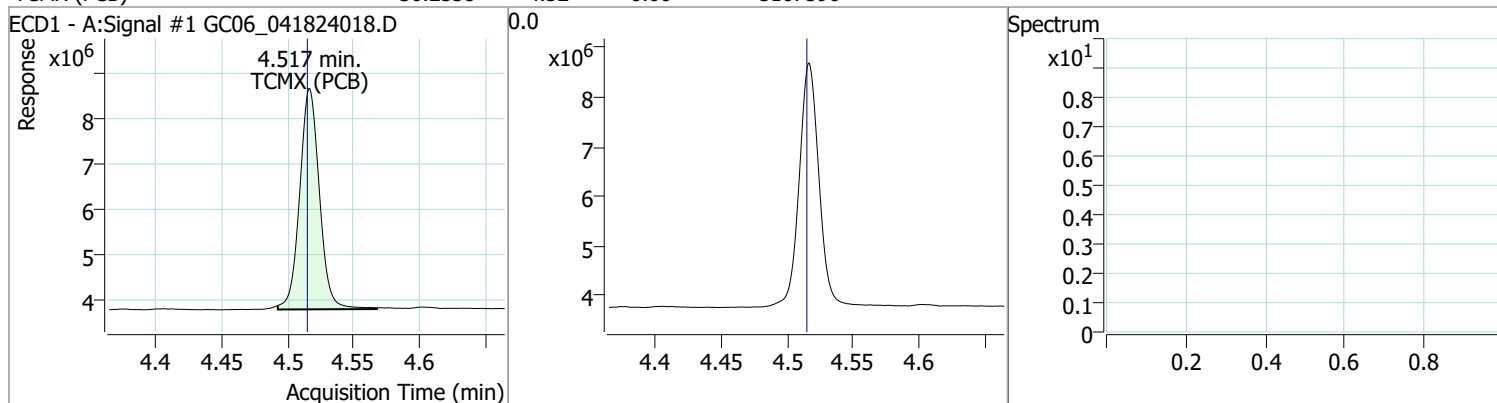
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.    | Units | Dev(Min) |
|---------------|--------|------|--------------|----------|-------|----------|
| T AR1016 1    | 4.860  | 0.0  | 422597.465   | 125.6320 | ng/ml | 100      |
| T AR1016 2    | 5.080  | 0.0  | 195230.326   | 30.1475  | ng/ml | 100      |
| T AR1016 1 #2 | 5.199  | 0.0  | 945003.584   | 18.6806  | ng/ml | 100      |
| T AR1016 3    | 5.521  | 0.0  | 1357436.754  | 170.8886 | ng/ml | 100      |
| T AR1016 2 #2 | 5.604  | 0.0  | 3895191.868  | 38.4884  | ng/ml | 100      |
| T AR1016 4    | 5.700  | 0.0  | 131090.996   | 23.3748  | ng/ml | 100      |
| T AR1016 5    | 6.118  | 0.0  | 58424.820    | 12.4345  | ng/ml | 100      |
| T AR1016 3 #2 | 6.123  | 0.0  | 14528795.500 | 103.6473 | ng/ml | 100      |
| T AR1016 4 #2 | 6.219  | 0.0  | 83636.531    | 0.9026   | ng/ml | 100      |
| T AR1016 5 #2 | 6.763  | 0.0  | 64049.394    | 0.8258   | ng/ml | 100      |
| T AR1260 1    | 7.537  | 0.0  | 2920459.671  | 305.1693 | ng/ml | 100      |
| T AR1260 2    | 8.022  | 0.0  | 52365.795    | 3.5768   | ng/ml | 100      |
| T AR1260 3    | 8.634  | 0.0  | 442956.604   | 28.7070  | ng/ml | 100      |
| T AR1260 1 #2 | 8.888  | 0.0  | 1109273.576  | 7.2394   | ng/ml | 100      |
| T AR1260 4    | 9.293  | 0.0  | 1750311.230  | 197.1932 | ng/ml | 100      |
| T AR1260 2 #2 | 9.223  | 0.0  | 4918204.370  | 26.3861  | ng/ml | 100      |
| T AR1260 3 #2 | 9.797  | 0.0  | 1986816.645  | 8.6442   | ng/ml | 100      |
| T AR1260 5    | 10.118 | 0.0  | 183393.108   | 18.5055  | ng/ml | 100      |
| T AR1260 4 #2 | 10.361 | 0.0  | 2069449.951  | 14.4792  | ng/ml | 100      |
| T AR1260 5 #2 | 10.949 | 0.0  | 861656.137   | 4.4773   | ng/ml | 100      |

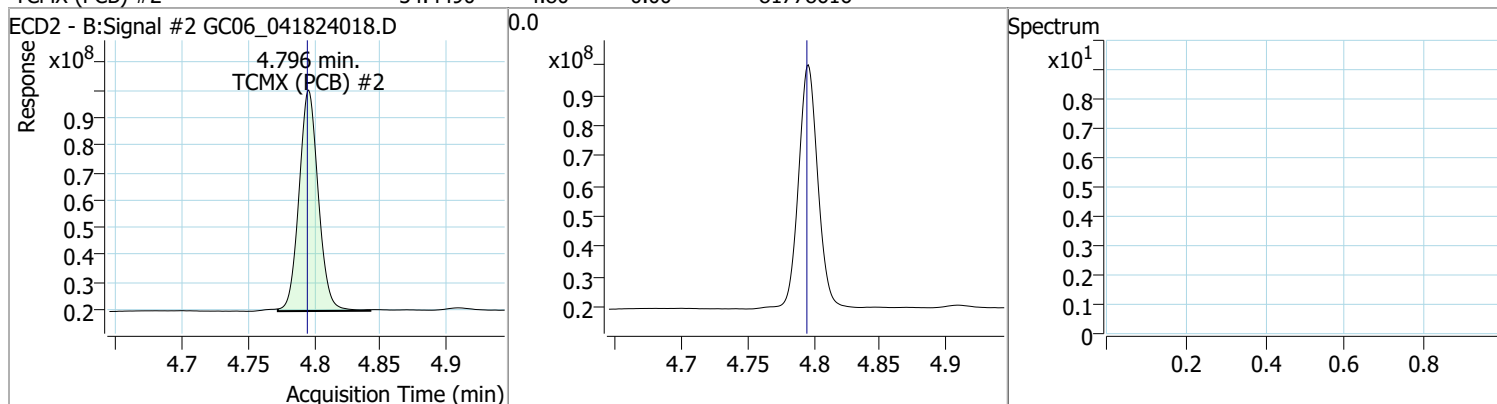
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

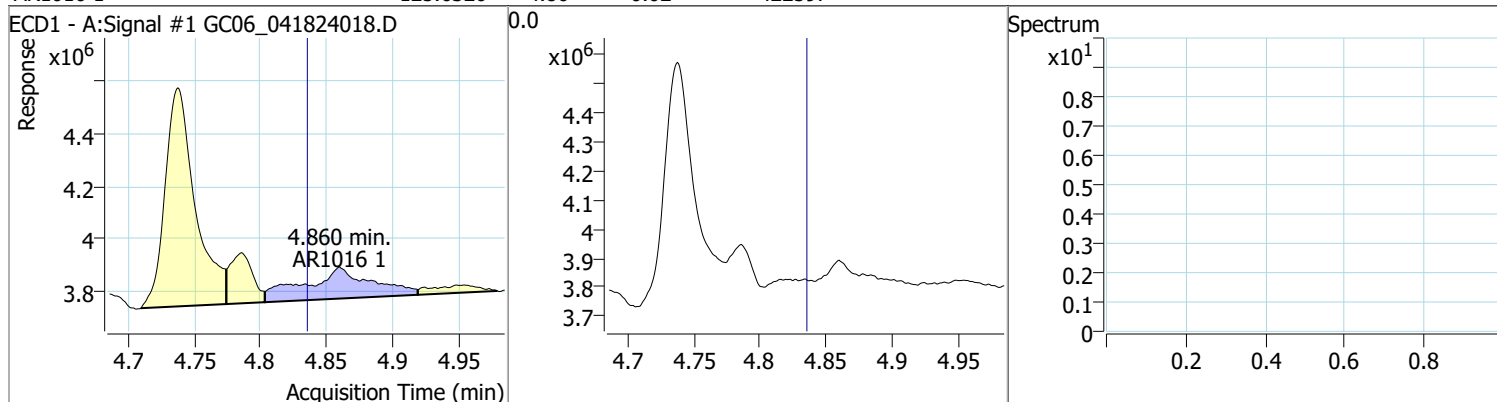
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 36.2558 | 4.52 | 0.00     | 5107596 |      |        |       |       |



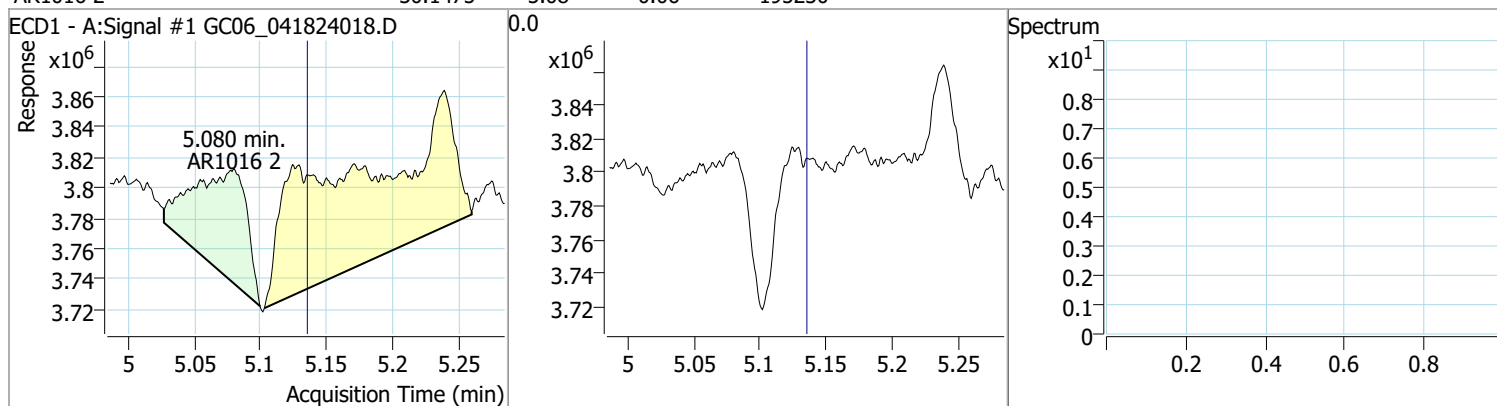
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 34.4490 | 4.80 | 0.00     | 81778616 |      |        |       |       |



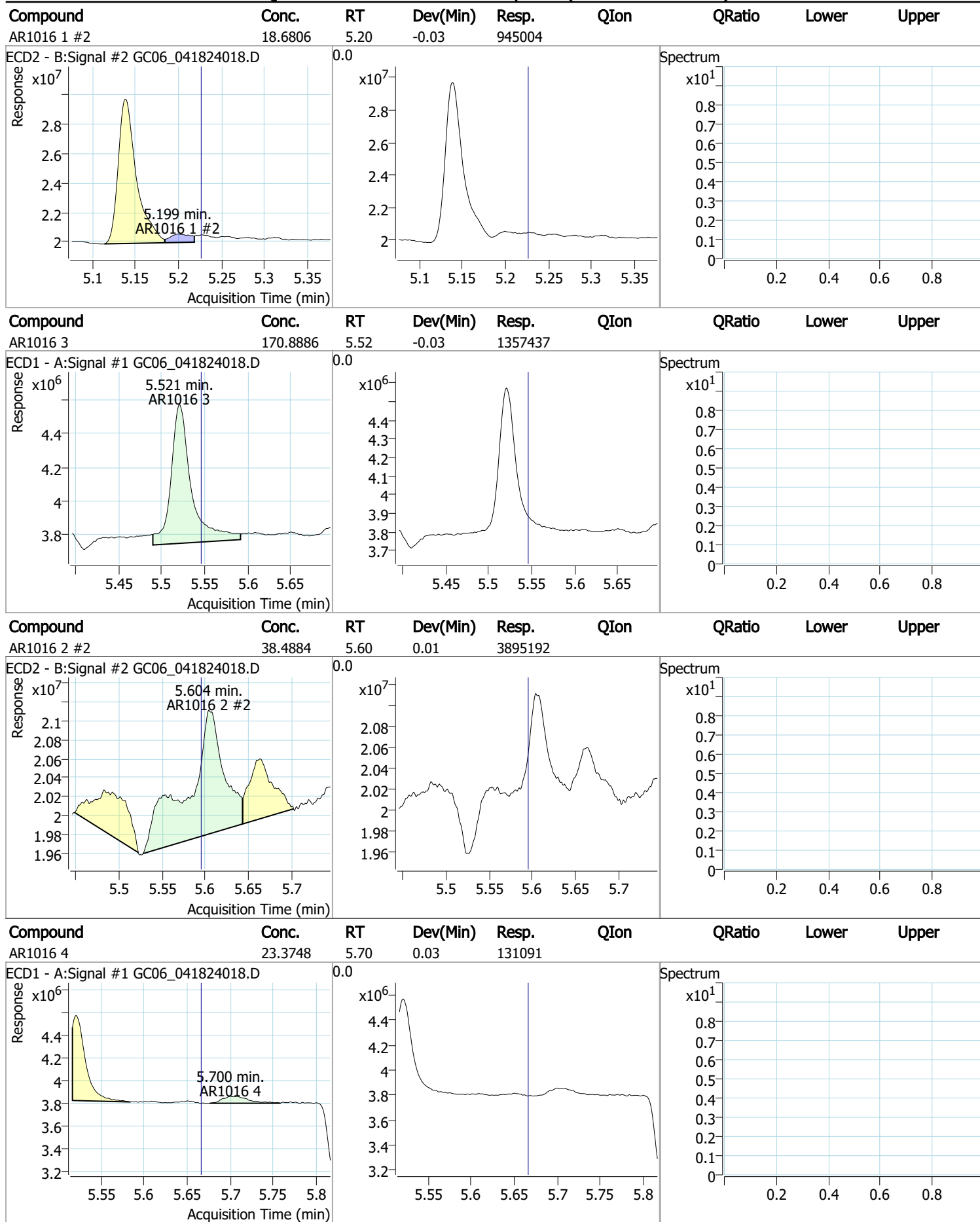
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 125.6320 | 4.86 | 0.02     | 422597 |      |        |       |       |



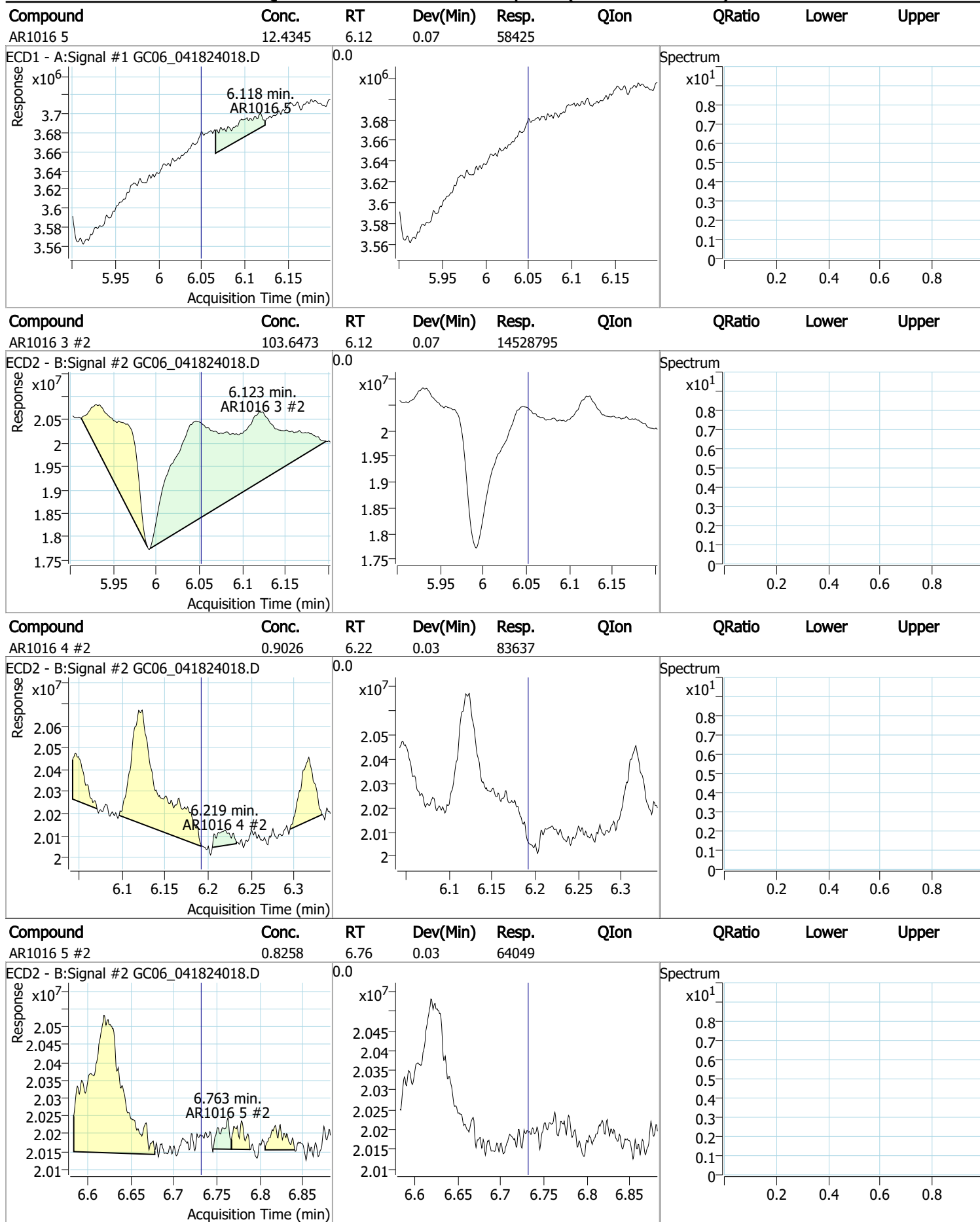
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 30.1475 | 5.08 | -0.06    | 195230 |      |        |       |       |



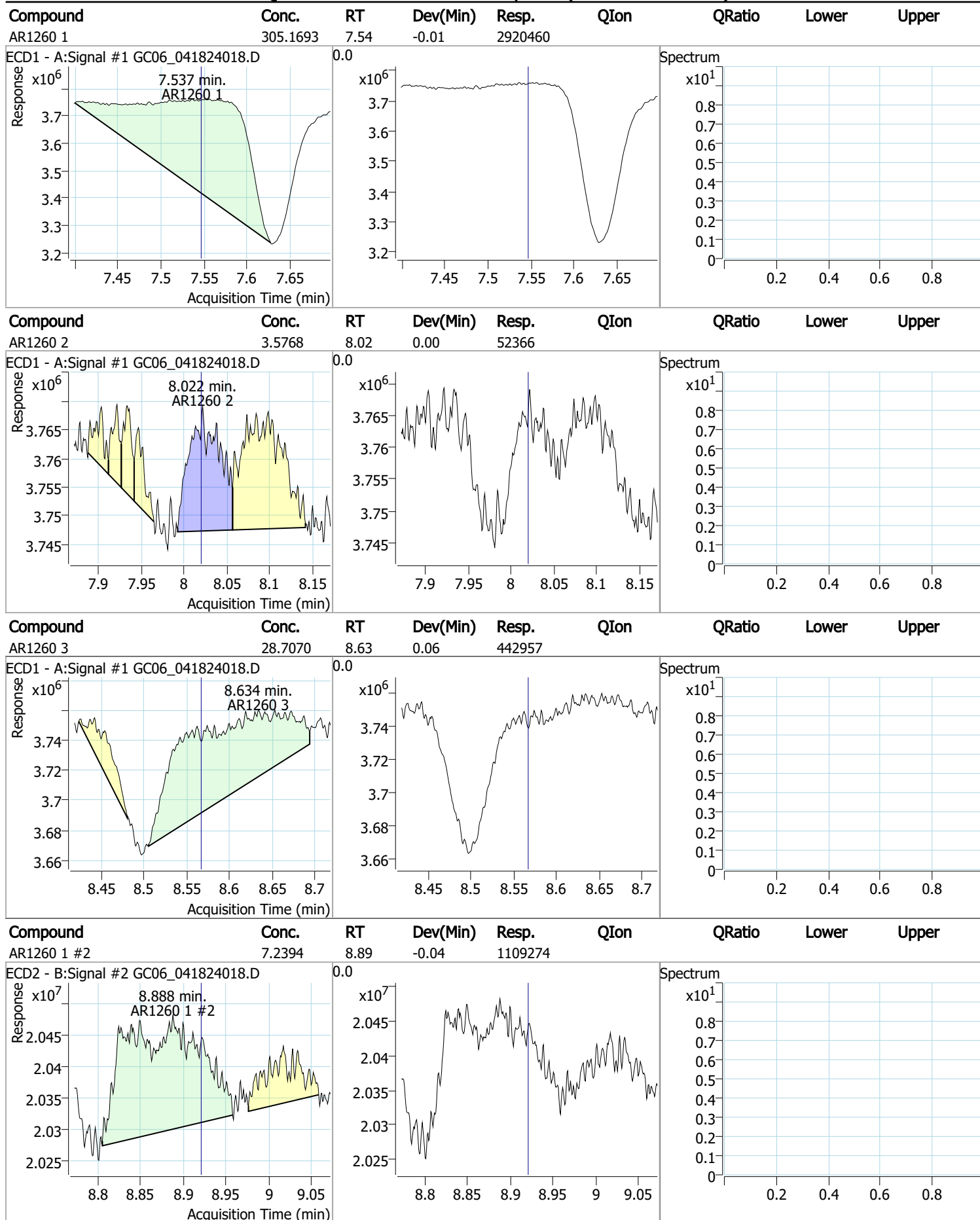
# Quantitation Results Report (Not Reviewed)



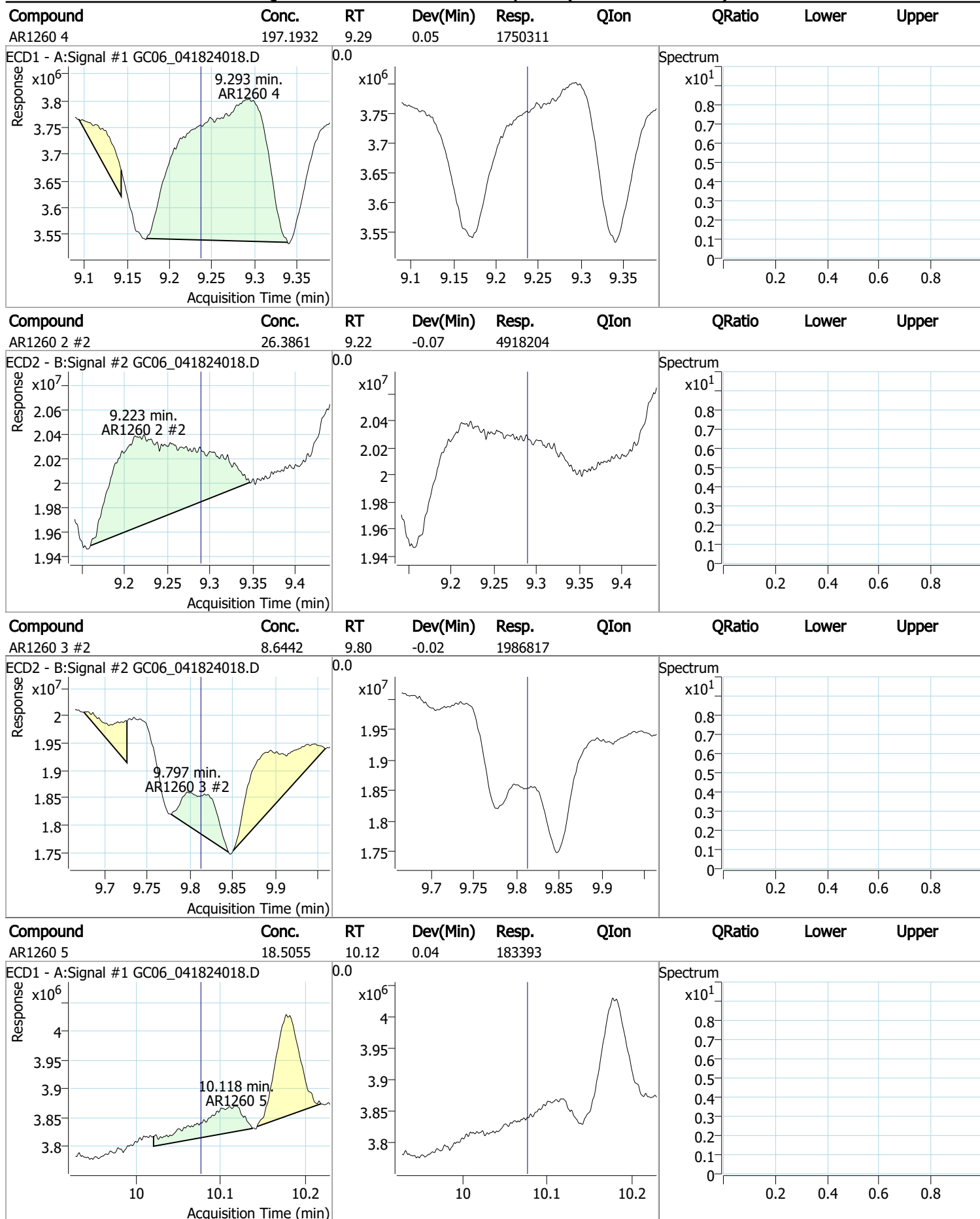
# Quantitation Results Report (Not Reviewed)



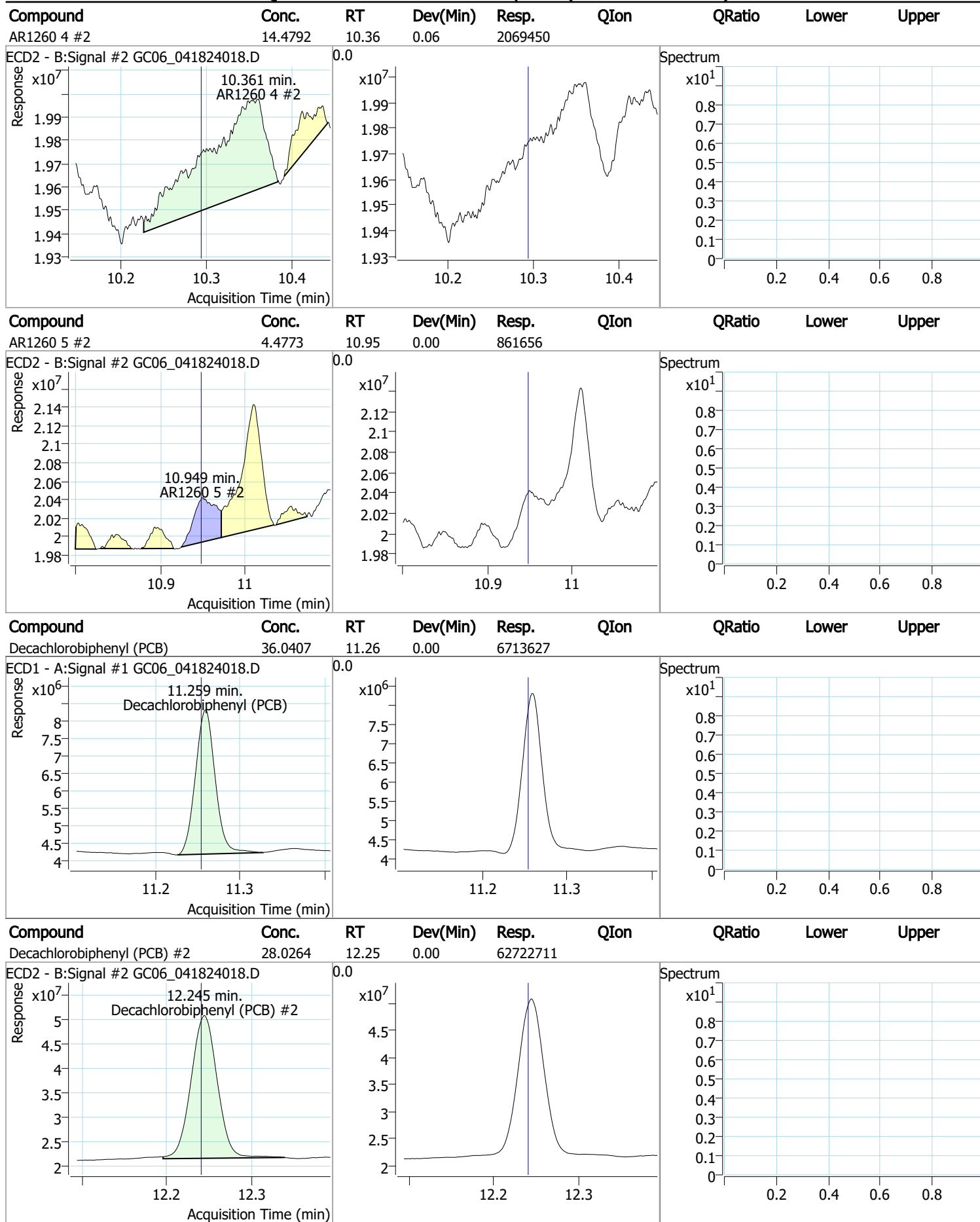
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



## ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-006   | Client ID: ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA |
| Seqnum: 454157500019 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_041824019 | Batch: 338024        | Time: 18-APR-2024 14:32                                  |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw   | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 44.12 | ND     | 1.8  | 123% | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 114.3 | 1.14   | 1.62 | 35%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 61.57 | 0.62   | 0.97 | 45%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 37.11 | 0.37   | 3.40 | 161% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 2.811 | 0.03   | 3.19 | 197% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 4.805 | 0.05   | ND   |      |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 16.89 | ND     | 1.5  | 159% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 8.044 | 0.08   | 3.86 | 192% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 48.52 | 0.49   | 0.05 | 164% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 11.76 | 0.12   | 0.47 | 120% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 12.62 | 0.13   | 3.03 | 184% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 3.504 | 0.04   | 0.07 | 70%  |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 36.48 | 0.5000 | 0.3648 | 73   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 31.59 | 0.5000 | 0.3159 | 63   | 19-121 | u     |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 52082202     | 18.06  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3062000      | 0.35   |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use

Analyst: MES 04/19/24

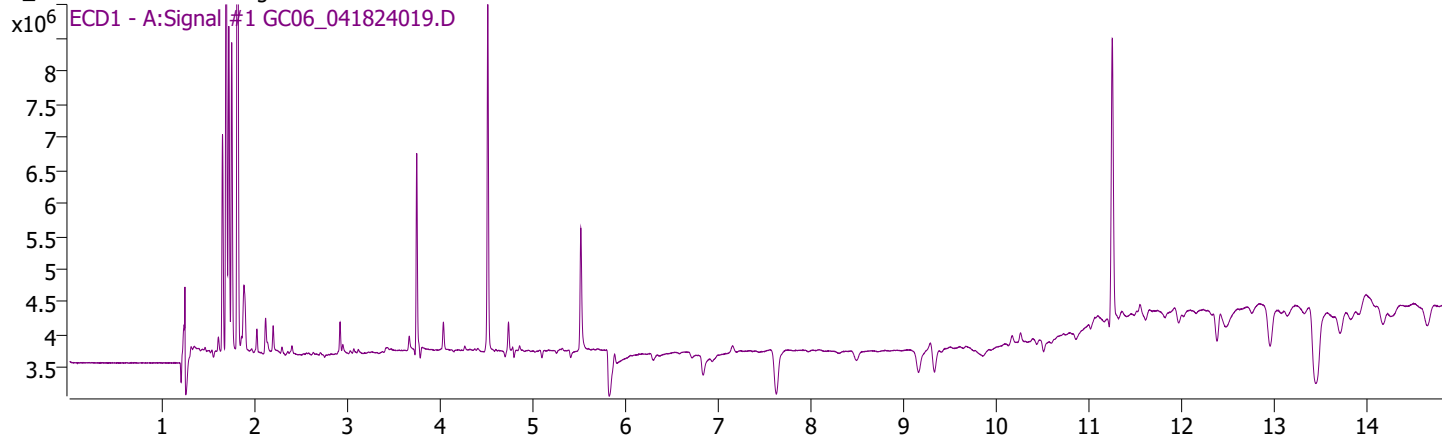
Reviewer: LW 04/22/24



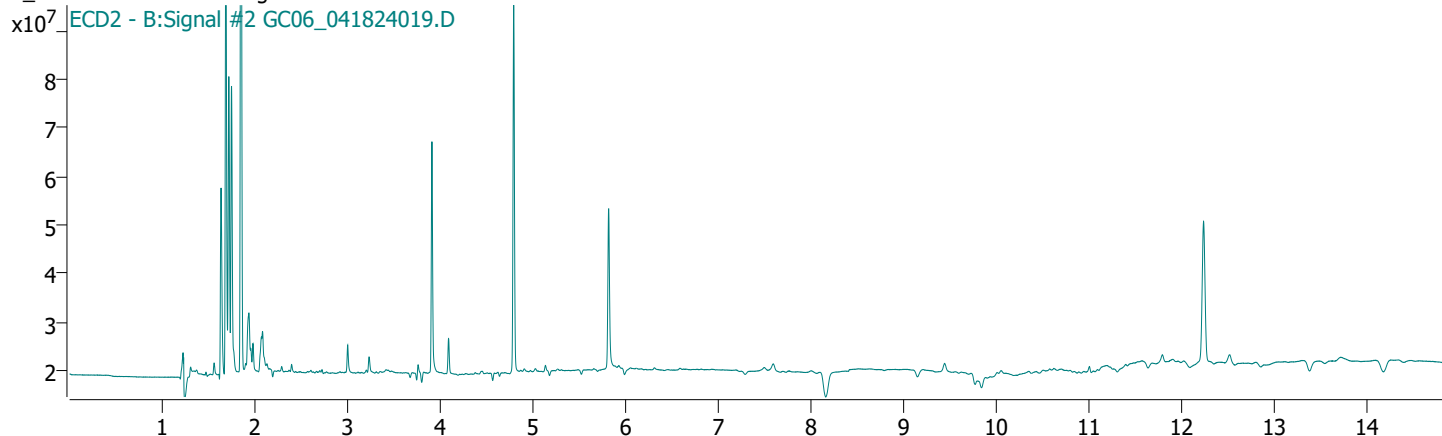
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824019.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 2:32:29 PM  |
| Sample Name    | 506093-006, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 6                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824019.D No MS Signals



GC06\_041824019.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.748                | 0.0  | 3061999.73<br>4  | 20.0000            | ng/ml | -0.002   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 52082201.9<br>11 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.516                | 0.0  | 5329615.75<br>1  | 38.6612            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 193.31% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 82377339.9<br>52 | 36.4753            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 182.38% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 7129627.59<br>7  | 39.1131            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 195.57% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.244               | 0.0  | 67257721.1<br>56 | 31.5893            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 157.95% | *     |          |

## Target Compounds

QValue

# Quantitation Results Report (Not Reviewed)

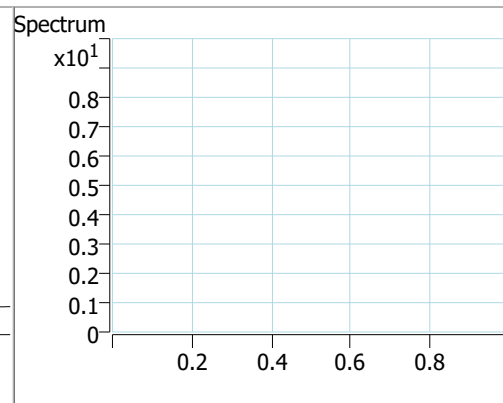
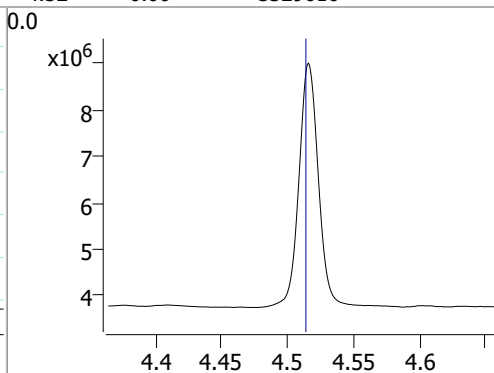
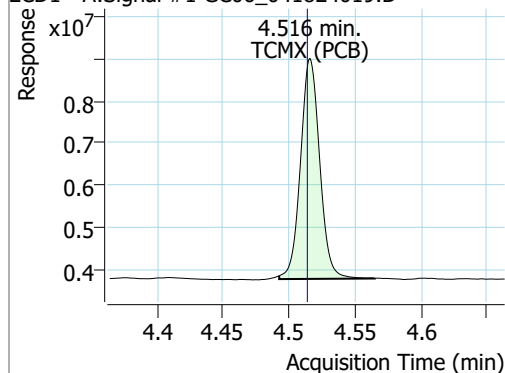
| Compound      | RT     | QIon | Resp.       | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-------------|----------|-------|----------|
| T AR1016 1    | 4.858  | 0.0  | 534531.494  | 162.3924 | ng/ml | 100      |
| T AR1016 2    | 5.176  | 0.0  | 616863.005  | 97.3444  | ng/ml | 100      |
| T AR1016 1 #2 | 5.271  | 0.0  | 5499887.817 | 114.2786 | ng/ml | 100      |
| T AR1016 3    | 5.520  | 0.0  | 2640374.589 | 339.6862 | ng/ml | 100      |
| T AR1016 2 #2 | 5.658  | 0.0  | 5927830.979 | 61.5674  | ng/ml | 100      |
| T AR1016 4    | 5.520  | 0.0  | 1753038.900 | 319.4372 | ng/ml | 100      |
| T AR1016 5    | 0.000  |      | 0           | N.D.     |       |          |
| T AR1016 3 #2 | 6.055  | 0.0  | 4949360.422 | 37.1135  | ng/ml | 100      |
| T AR1016 4 #2 | 6.172  | 0.0  | 247786.541  | 2.8109   | ng/ml | 100      |
| T AR1016 5 #2 | 6.779  | 0.0  | 354554.531  | 4.8048   | ng/ml | 100      |
| T AR1260 1    | 7.566  | 0.0  | 3610200.129 | 385.5136 | ng/ml | 100      |
| T AR1260 2    | 8.018  | 0.0  | 67957.809   | 4.7436   | ng/ml | 100      |
| T AR1260 3    | 8.657  | 0.0  | 705932.669  | 46.7529  | ng/ml | 100      |
| T AR1260 1 #2 | 8.919  | 0.0  | 1172574.756 | 8.0437   | ng/ml | 100      |
| T AR1260 4    | 9.293  | 0.0  | 2628904.753 | 302.6707 | ng/ml | 100      |
| T AR1260 2 #2 | 9.218  | 0.0  | 8603743.319 | 48.5188  | ng/ml | 100      |
| T AR1260 3 #2 | 9.805  | 0.0  | 2571621.902 | 11.7606  | ng/ml | 100      |
| T AR1260 5    | 10.109 | 0.0  | 70713.713   | 7.2919   | ng/ml | 100      |
| T AR1260 4 #2 | 10.358 | 0.0  | 1716320.647 | 12.6224  | ng/ml | 100      |
| T AR1260 5 #2 | 10.952 | 0.0  | 641541.691  | 3.5039   | ng/ml | 100      |

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

# Quantitation Results Report (Not Reviewed)

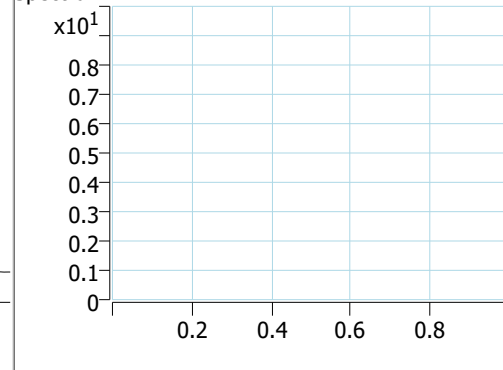
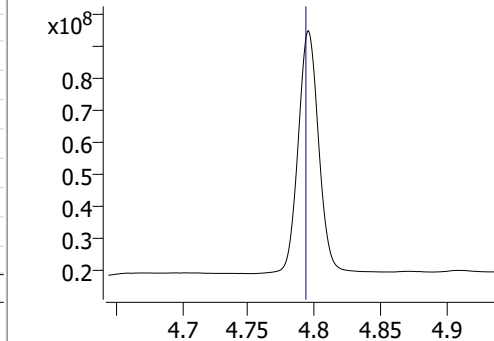
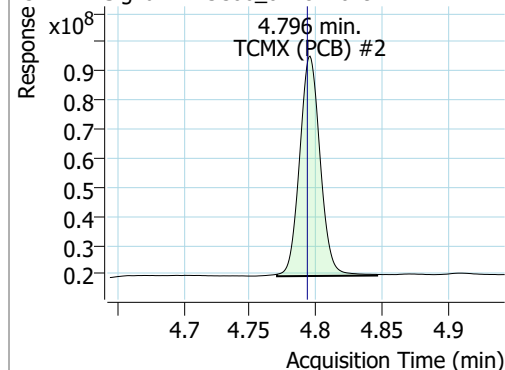
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 38.6612 | 4.52 | 0.00     | 5329616 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824019.D



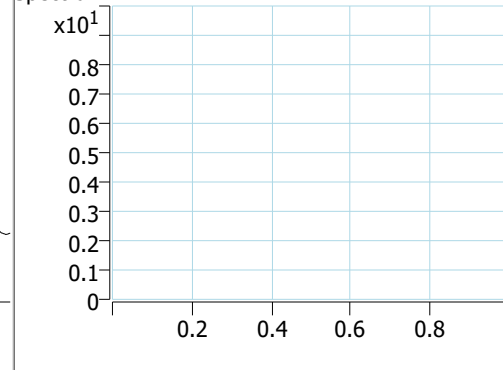
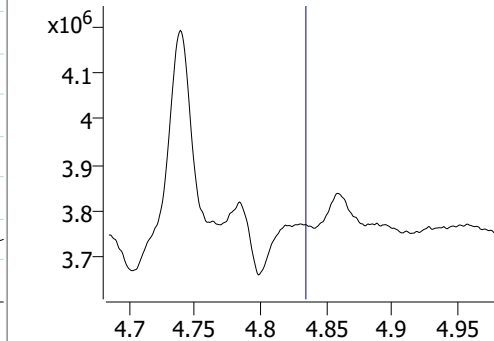
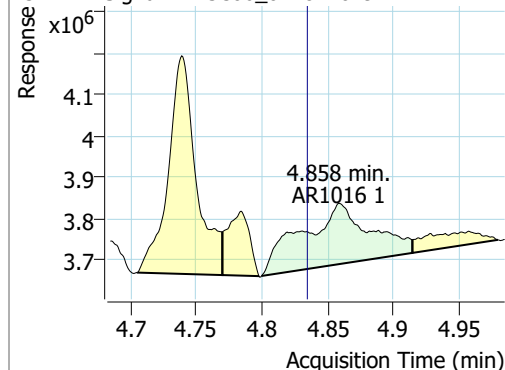
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 36.4753 | 4.80 | 0.00     | 82377340 |      |        |       |       |

ECD2 - B:Signal #2 GC06\_041824019.D



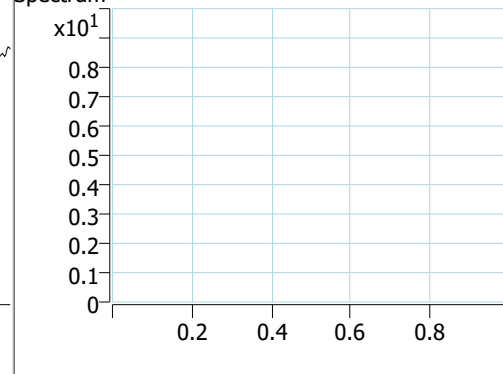
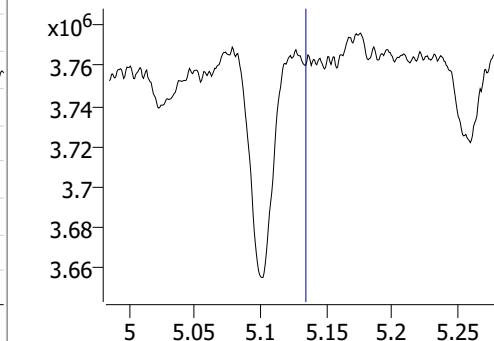
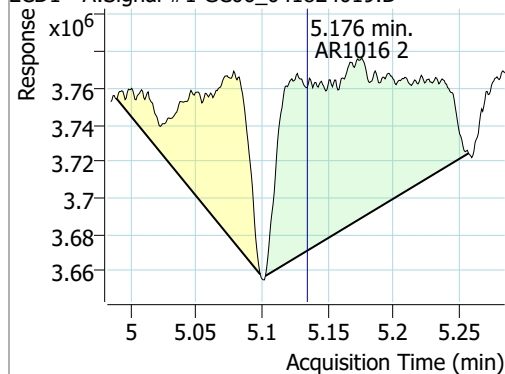
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 162.3924 | 4.86 | 0.02     | 534531 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824019.D



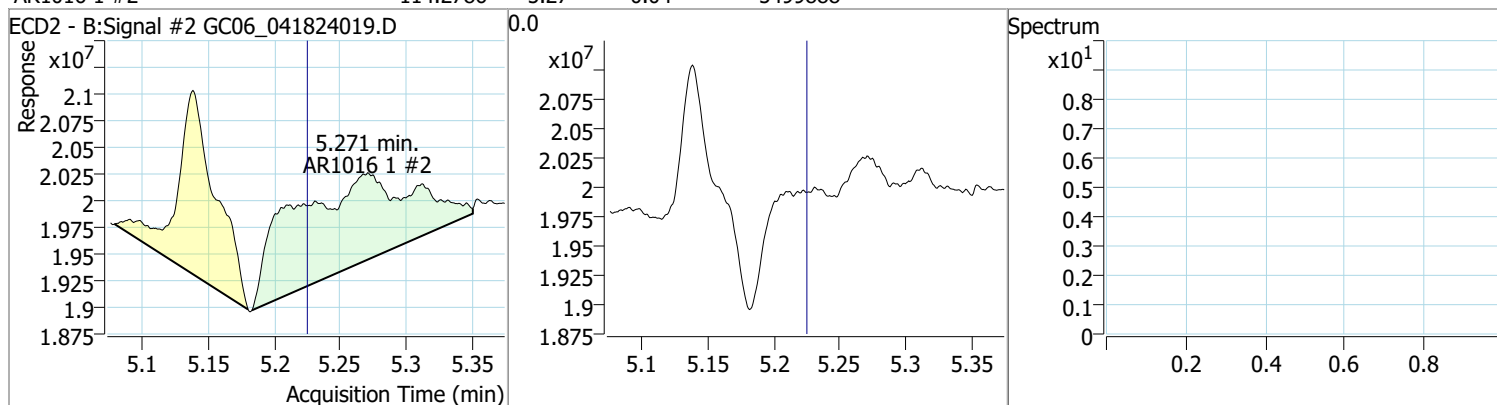
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 97.3444 | 5.18 | 0.04     | 616863 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824019.D

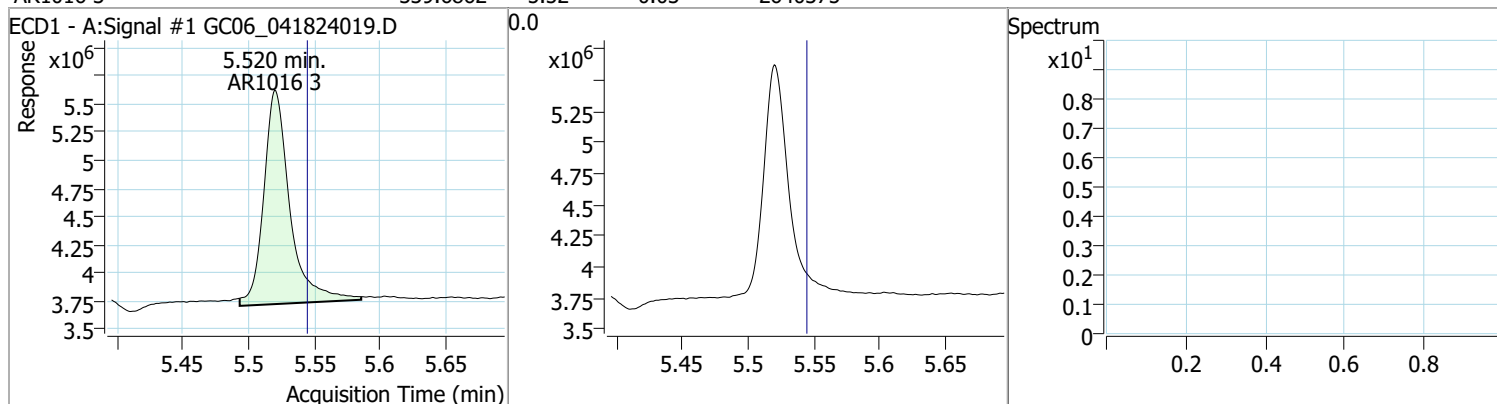


# Quantitation Results Report (Not Reviewed)

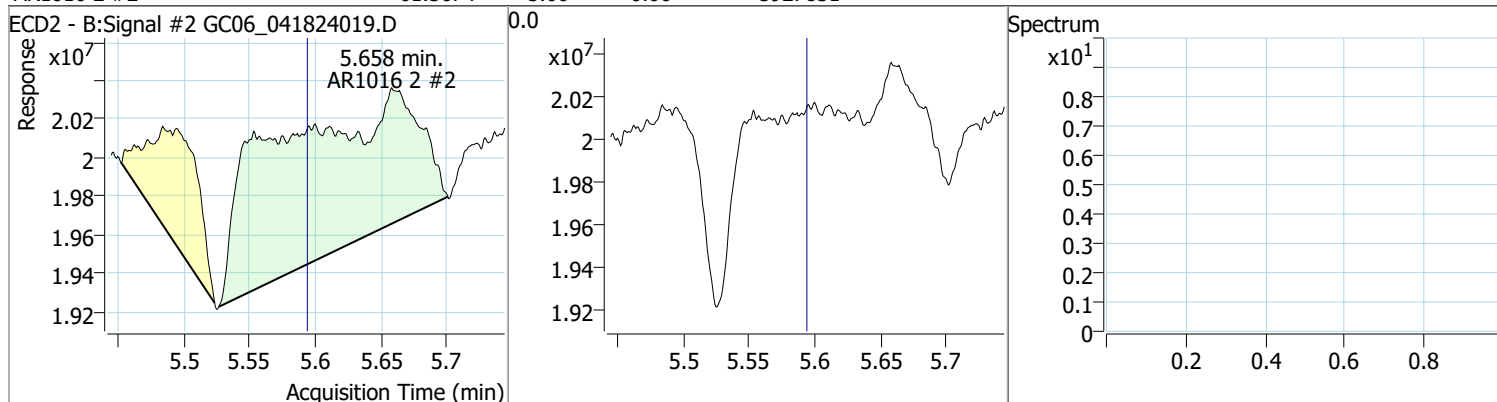
| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 114.2786 | 5.27 | 0.04     | 5499888 |      |        |       |       |



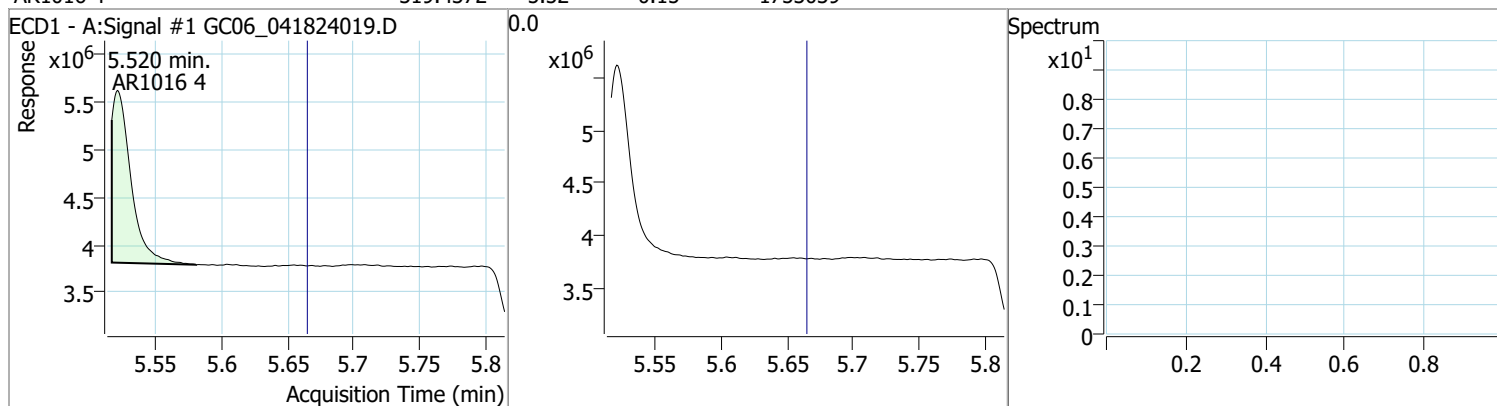
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 3 | 339.6862 | 5.52 | -0.03    | 2640375 |      |        |       |       |



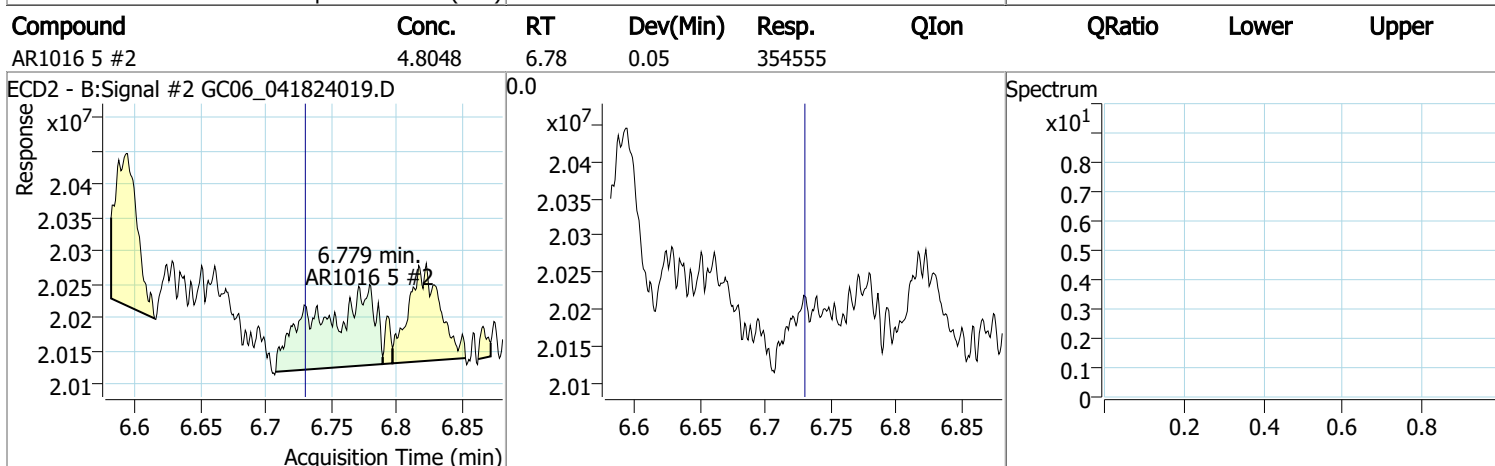
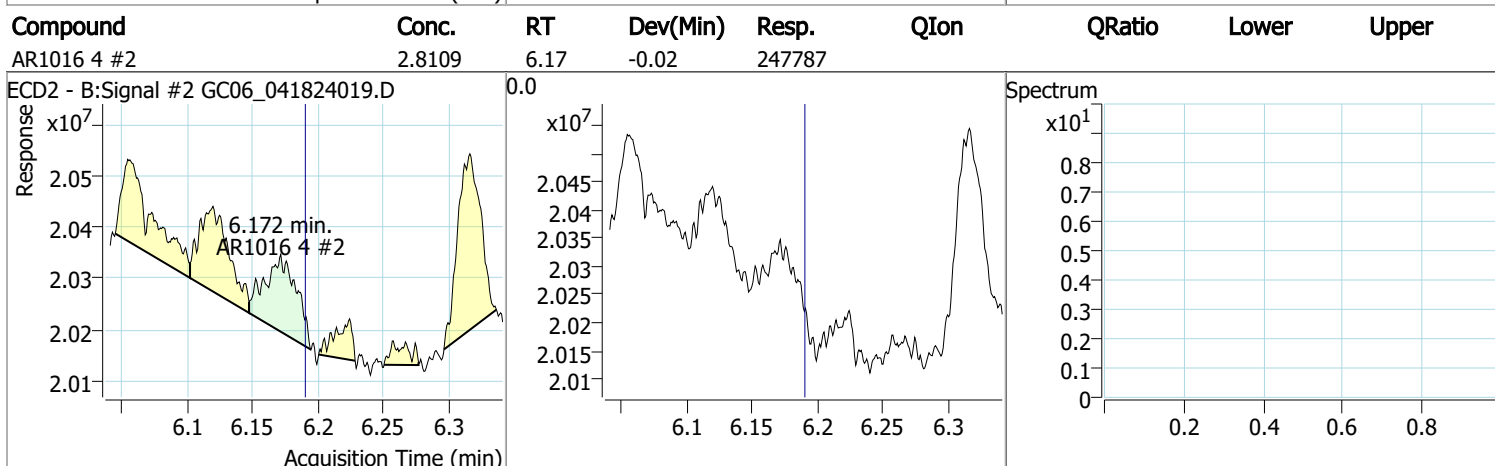
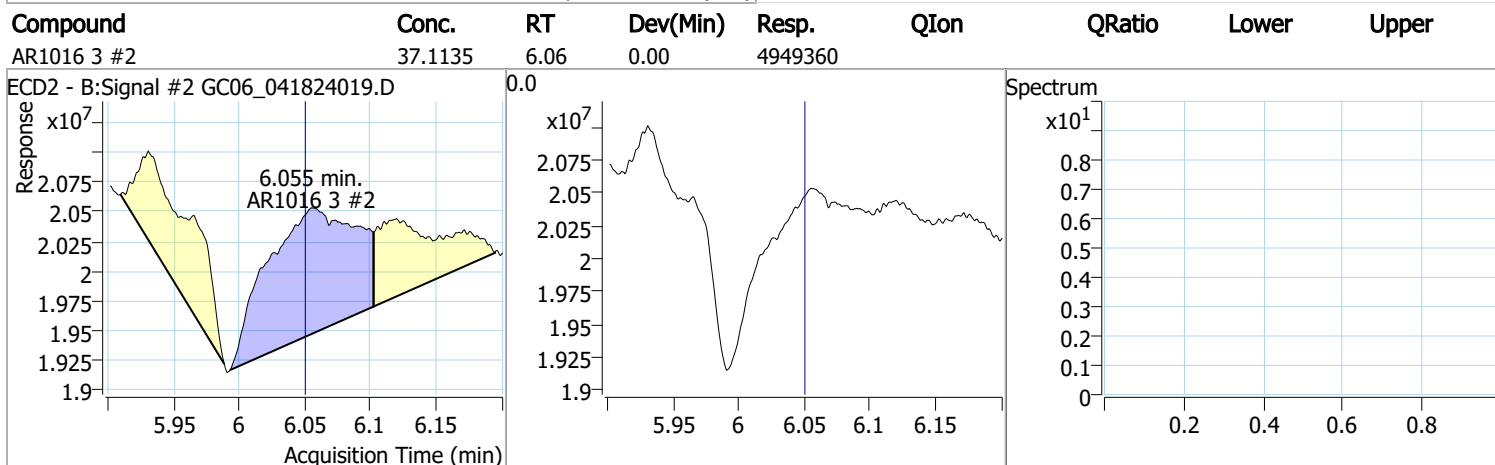
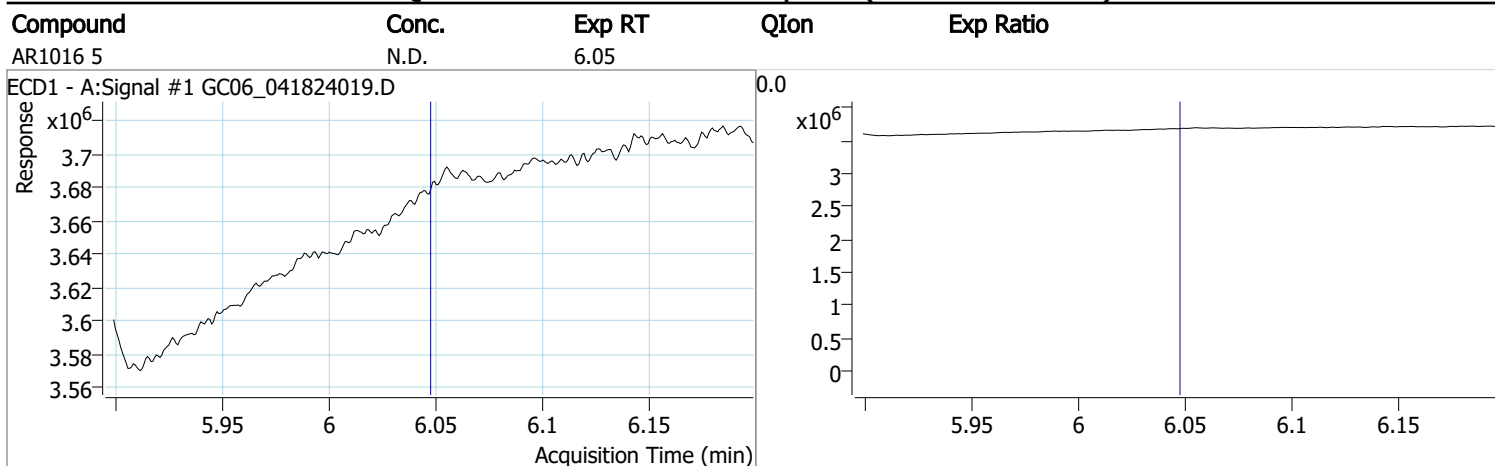
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 61.5674 | 5.66 | 0.06     | 5927831 |      |        |       |       |



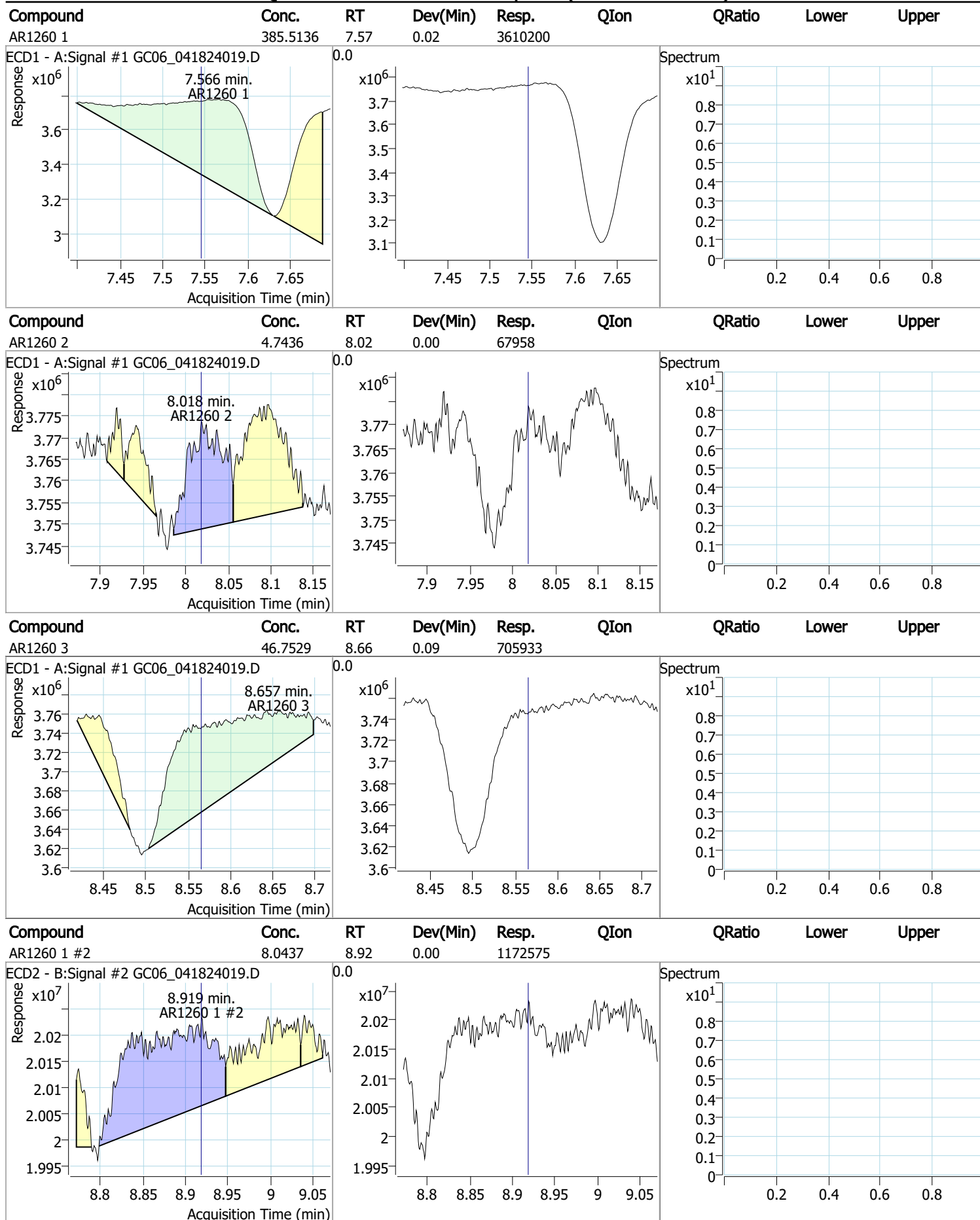
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 319.4372 | 5.52 | -0.15    | 1753039 |      |        |       |       |



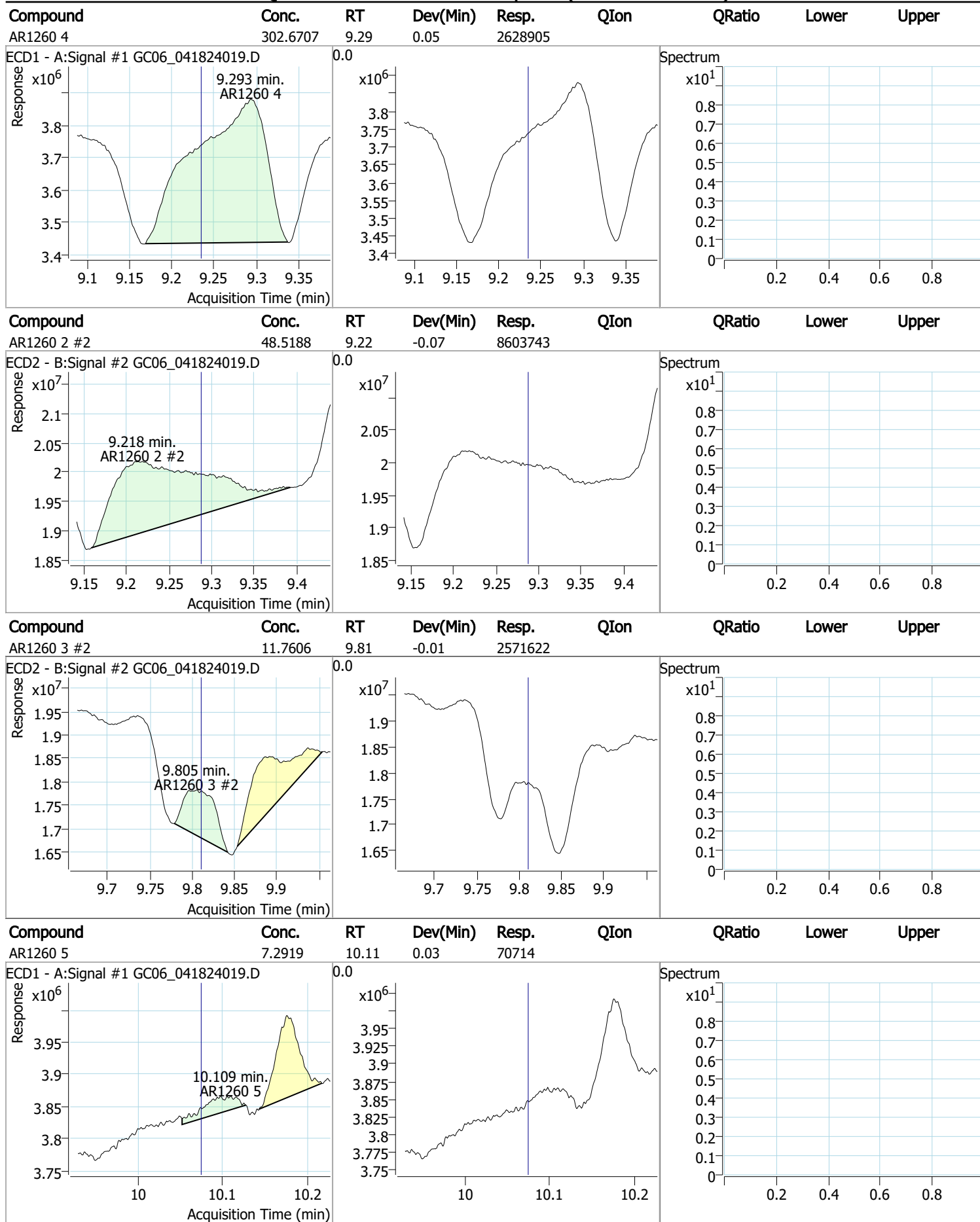
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

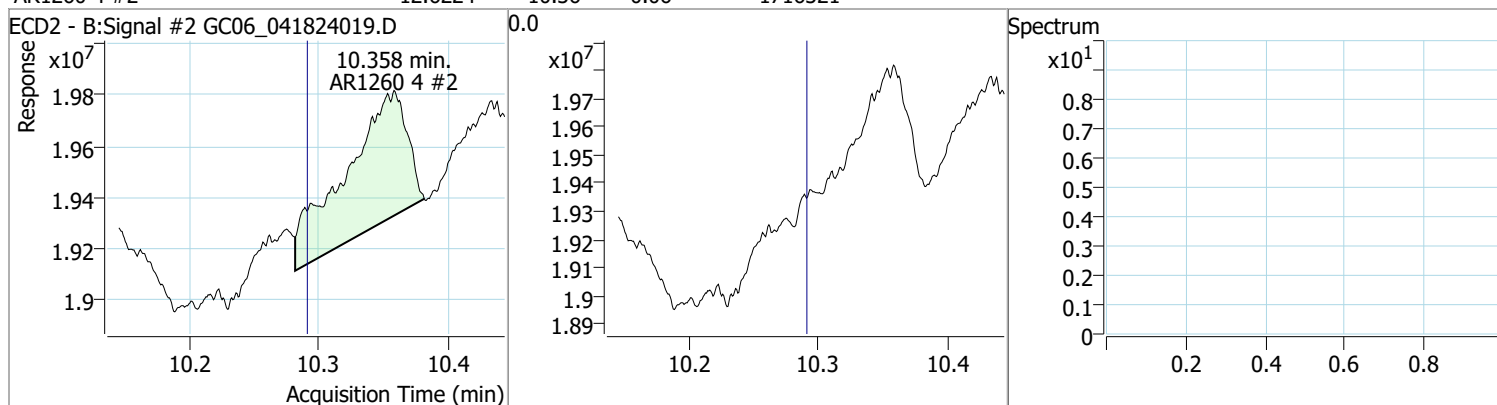


# Quantitation Results Report (Not Reviewed)

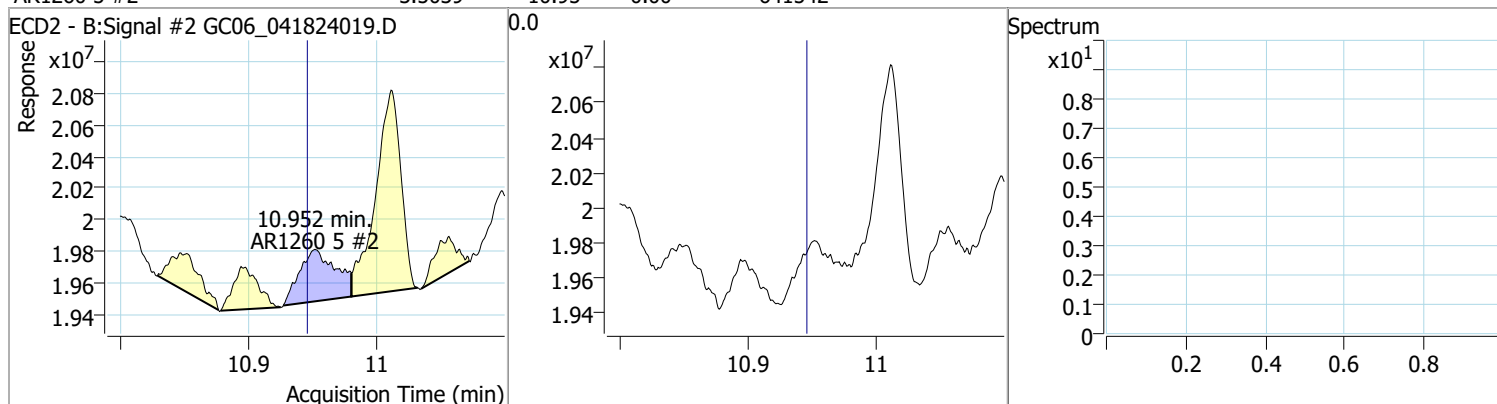


# Quantitation Results Report (Not Reviewed)

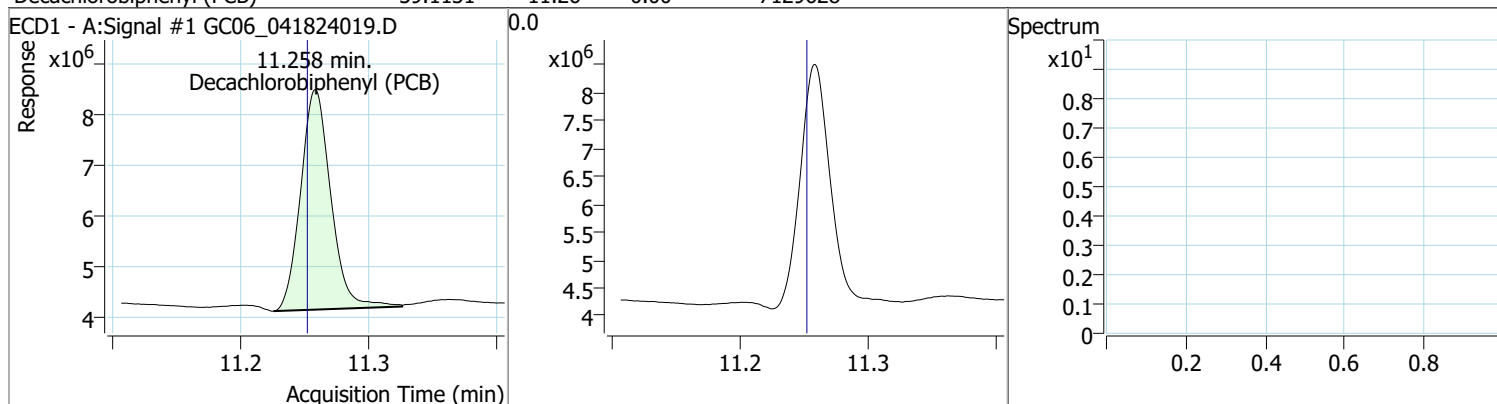
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 4 #2 | 12.6224 | 10.36 | 0.06     | 1716321 |      |        |       |       |



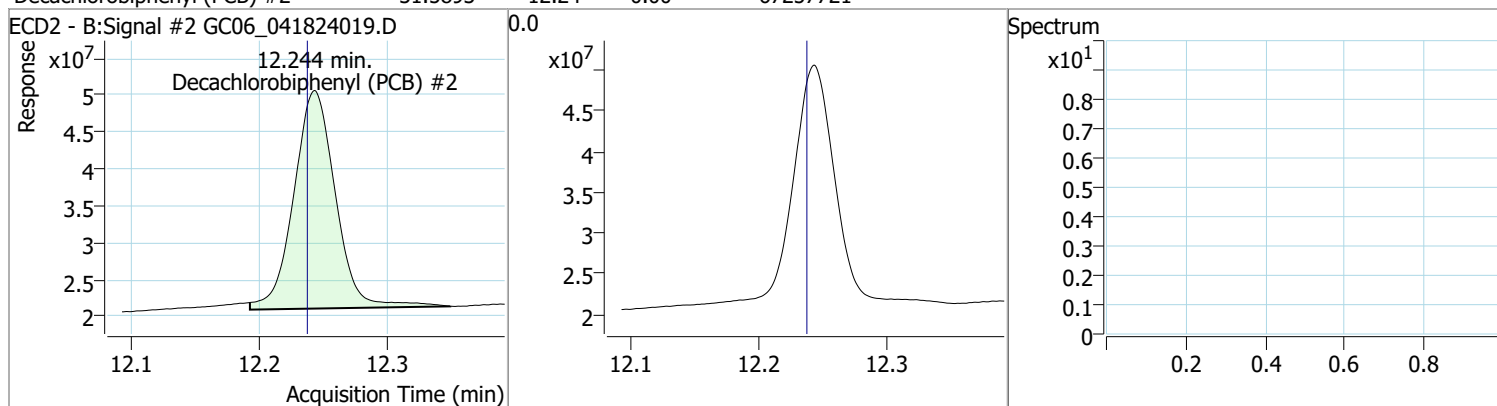
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 #2 | 3.5039 | 10.95 | 0.00     | 641542 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|---------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 39.1131 | 11.26 | 0.00     | 7129628 |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 31.5893 | 12.24 | 0.00     | 67257721 |      |        |       |       |





ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                              |
|----------------------|----------------------|--------------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-007   | Client ID: ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA |
| Seqnum: 454157500020 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                       |
| File: gc06_041824020 | Batch: 338024        | Time: 18-APR-2024 14:53                                      |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                                |

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

| Analyte               | Ch | Raw   | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 41.51 | ND     | 1.1  | 88%  | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 94.02 | 0.94   | 1.33 | 35%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 52.53 | 0.53   | 0.89 | 52%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 55.69 | 0.56   | 1.81 | 106% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 3.821 | 0.04   | 1.29 | 189% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 1.489 | 0.01   | ND   |      |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 15.25 | ND     | 1.3  | 159% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 3.850 | 0.04   | 3.41 | 196% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 46.85 | 0.47   | 0.04 | 168% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 11.79 | 0.12   | 0.29 | 84%  |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 11.23 | 0.11   | 2.79 | 185% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 2.543 | 0.03   | 0.10 | 118% |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 34.24 | 0.5000 | 0.3424 | 68   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 28.75 | 0.5000 | 0.2875 | 57   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 55389729     | 25.56  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3255964      | 6.70   |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use

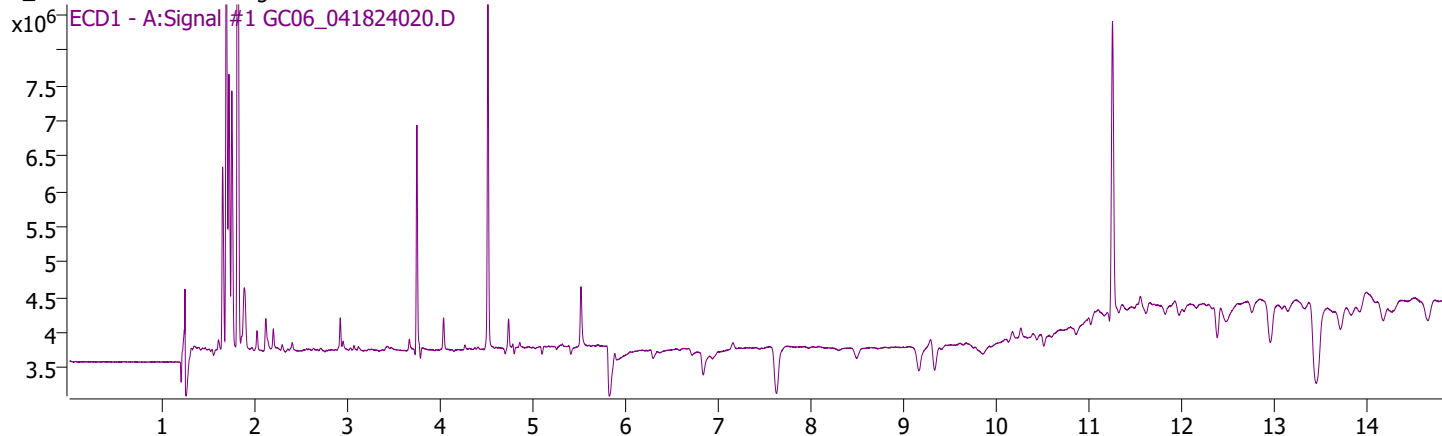
**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

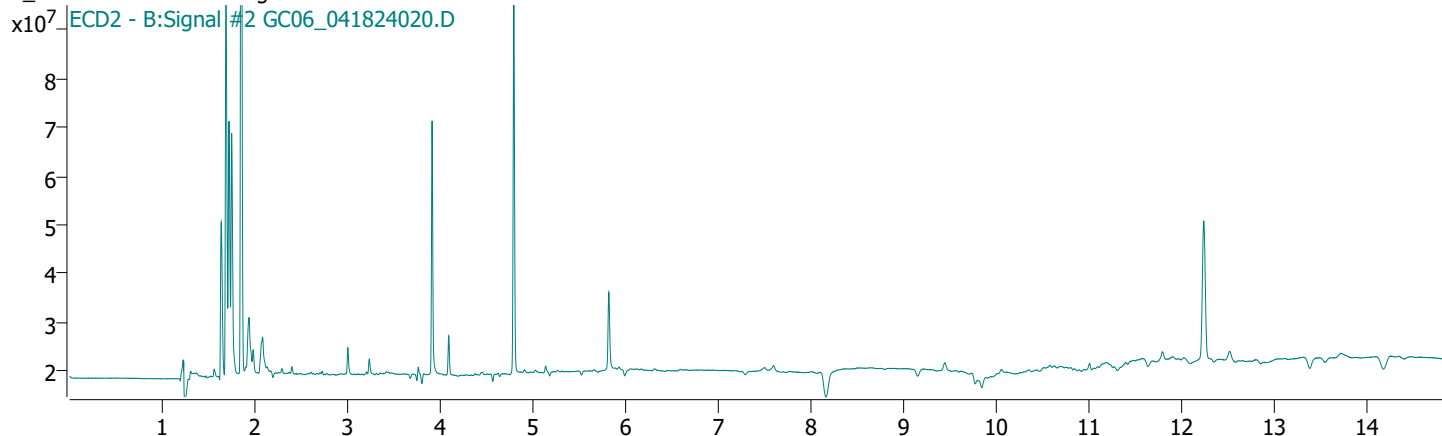
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824020.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 2:53:34 PM  |
| Sample Name    | 506093-007, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 7                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824020.D No MS Signals



GC06\_041824020.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.749                | 0.0  | 3255964.36<br>1  | 20.0000            | ng/ml | -0.002   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 55389729.2<br>40 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.516                | 0.0  | 5083973.27<br>1  | 34.6823            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 173.41% | *     |          |
| S TCMX (PCB) #2                    | 4.795                | 0.0  | 82238206.3<br>34 | 34.2393            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 171.20% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 7189269.59<br>5  | 37.0907            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 185.45% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.243               | 0.0  | 65095604.9<br>42 | 28.7481            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 143.74% |       |          |

## Target Compounds

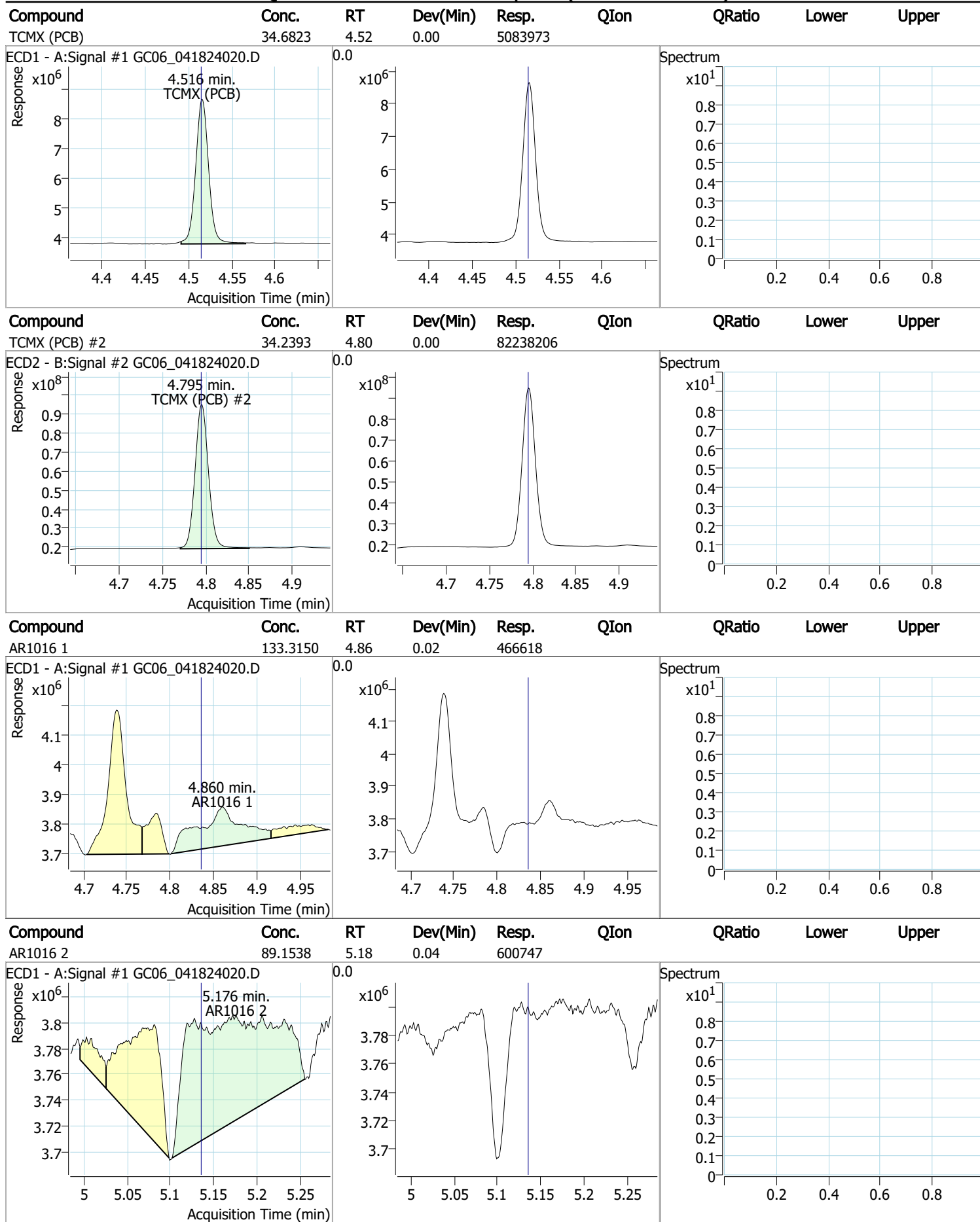
QValue

# Quantitation Results Report (Not Reviewed)

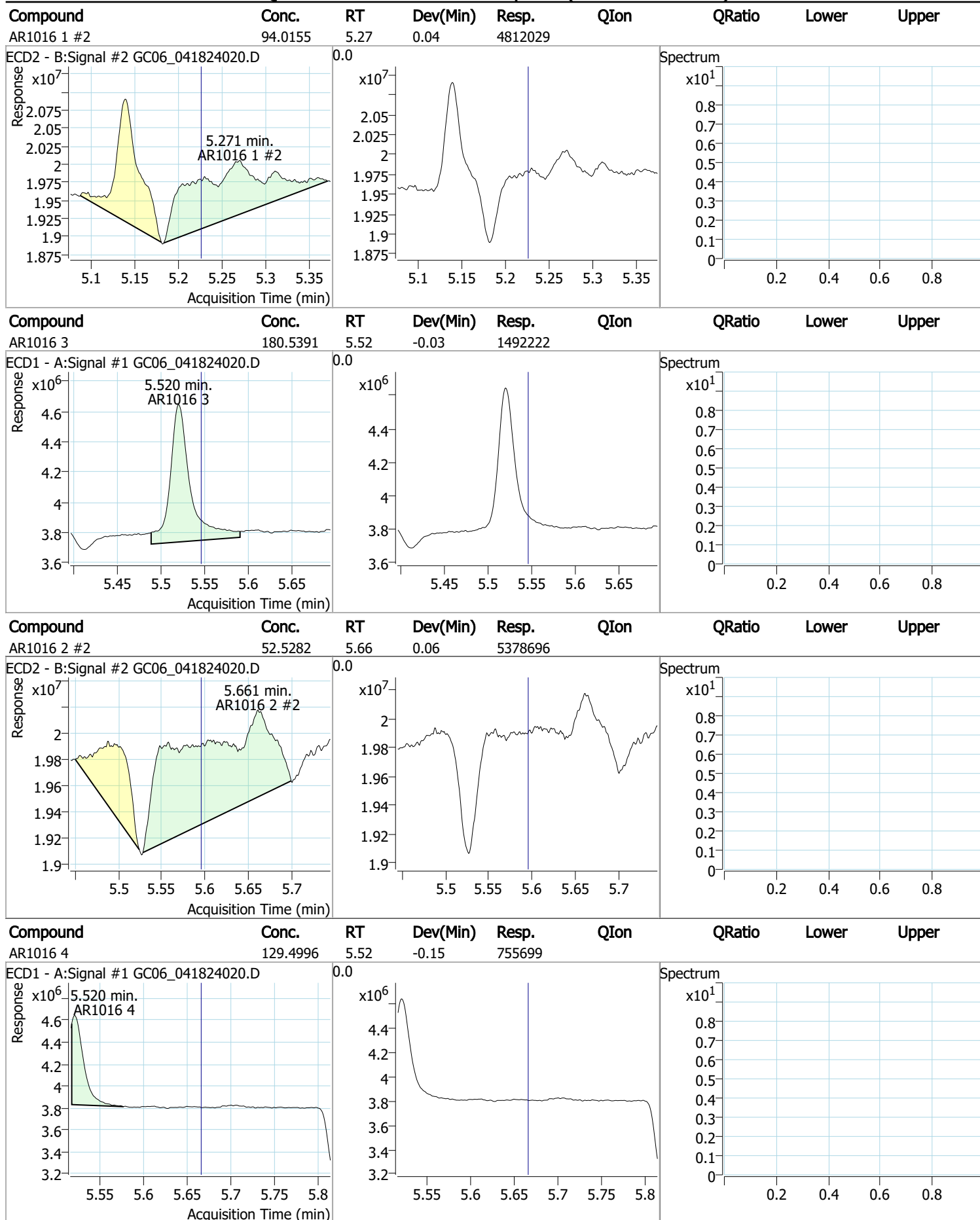
| Compound      | RT     | QIon | Resp.       | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-------------|----------|-------|----------|
| T AR1016 1    | 4.860  | 0.0  | 466617.855  | 133.3150 | ng/ml | 100      |
| T AR1016 2    | 5.176  | 0.0  | 600747.352  | 89.1538  | ng/ml | 100      |
| T AR1016 1 #2 | 5.271  | 0.0  | 4812029.073 | 94.0155  | ng/ml | 100      |
| T AR1016 3    | 5.520  | 0.0  | 1492222.071 | 180.5391 | ng/ml | 100      |
| T AR1016 2 #2 | 5.661  | 0.0  | 5378695.986 | 52.5282  | ng/ml | 100      |
| T AR1016 4    | 5.520  | 0.0  | 755699.351  | 129.4996 | ng/ml | 100      |
| T AR1016 5    | 0.000  |      | 0           | N.D.     |       |          |
| T AR1016 3 #2 | 6.123  | 0.0  | 7898030.327 | 55.6880  | ng/ml | 100      |
| T AR1016 4 #2 | 6.177  | 0.0  | 358242.988  | 3.8213   | ng/ml | 100      |
| T AR1016 5 #2 | 6.721  | 0.0  | 116875.383  | 1.4893   | ng/ml | 100      |
| T AR1260 1    | 7.562  | 0.0  | 3395819.843 | 341.0190 | ng/ml | 100      |
| T AR1260 2    | 8.025  | 0.0  | 61363.896   | 4.0281   | ng/ml | 100      |
| T AR1260 3    | 8.625  | 0.0  | 464980.682  | 28.9605  | ng/ml | 100      |
| T AR1260 1 #2 | 8.894  | 0.0  | 596916.498  | 3.8503   | ng/ml | 100      |
| T AR1260 4    | 9.295  | 0.0  | 2577271.133 | 279.0494 | ng/ml | 100      |
| T AR1260 2 #2 | 9.211  | 0.0  | 8834578.181 | 46.8456  | ng/ml | 100      |
| T AR1260 3 #2 | 9.798  | 0.0  | 2740795.088 | 11.7858  | ng/ml | 100      |
| T AR1260 5    | 10.113 | 0.0  | 101866.749  | 9.8786   | ng/ml | 100      |
| T AR1260 4 #2 | 10.358 | 0.0  | 1623692.837 | 11.2281  | ng/ml | 100      |
| T AR1260 5 #2 | 10.953 | 0.0  | 495108.879  | 2.5427   | ng/ml | 100      |

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

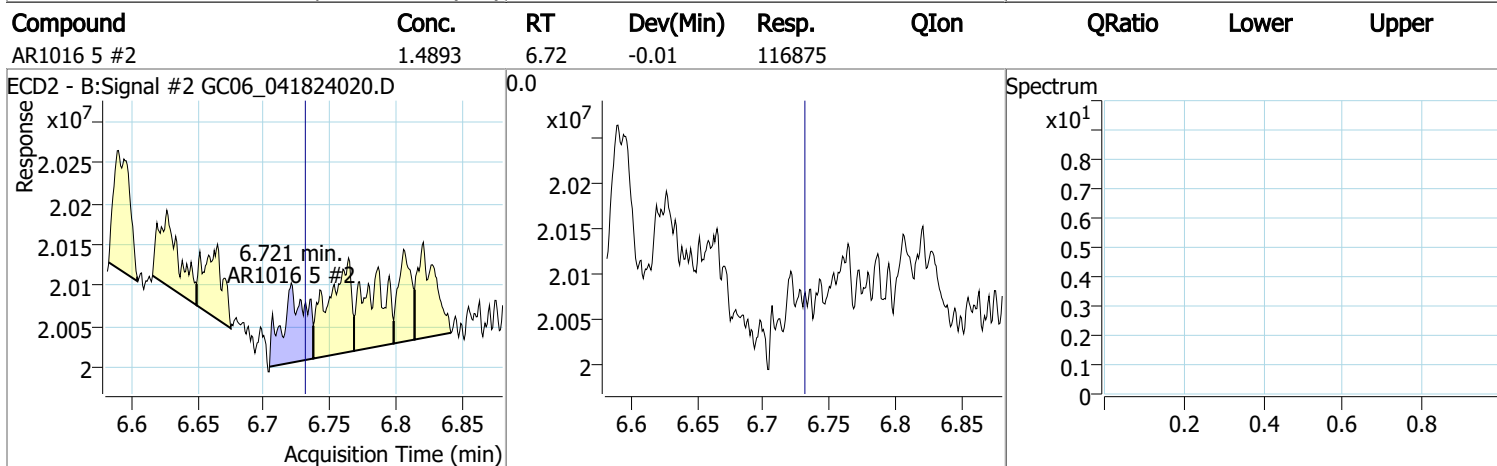
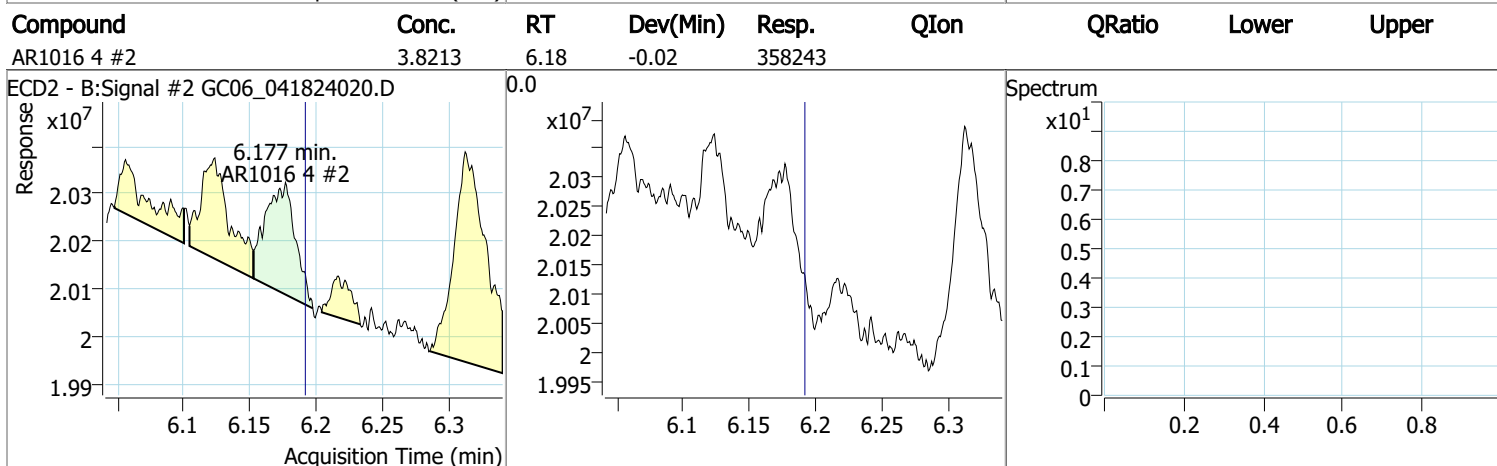
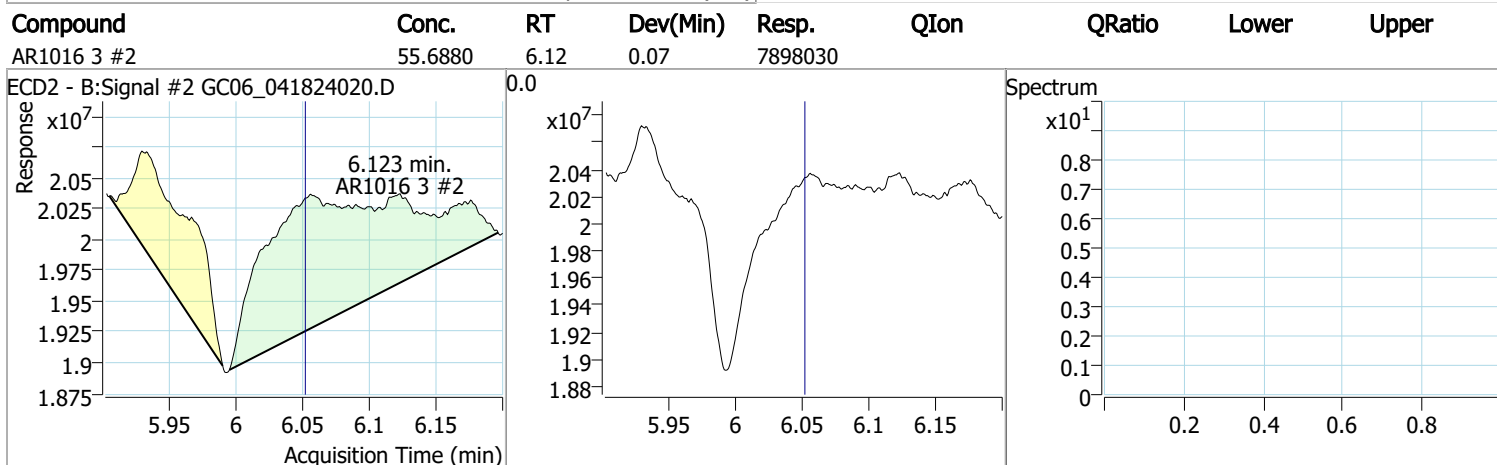
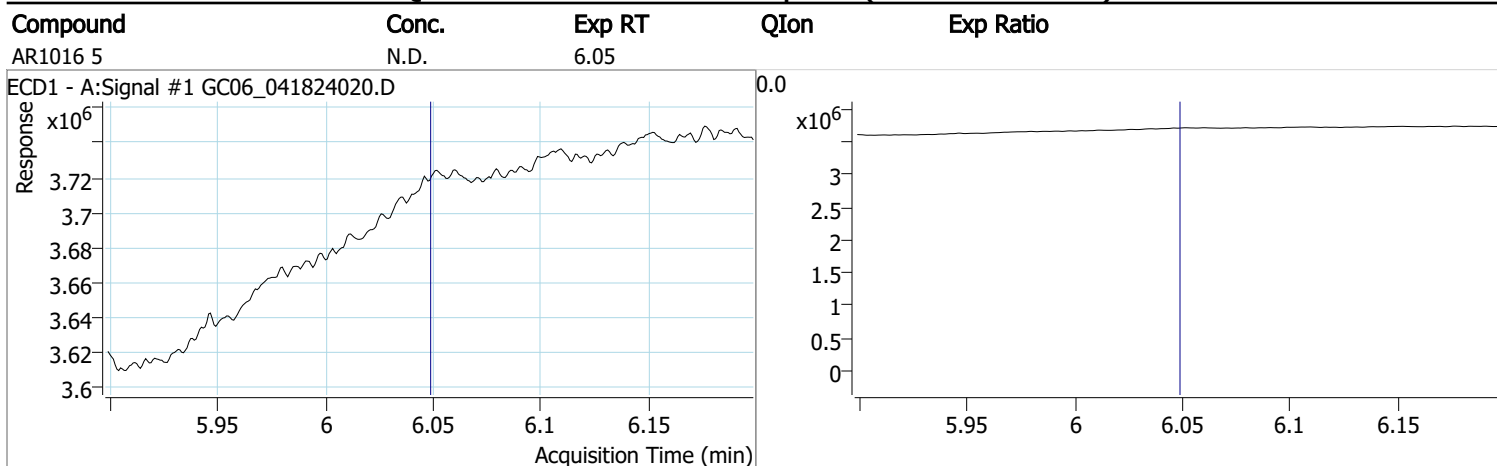
# Quantitation Results Report (Not Reviewed)



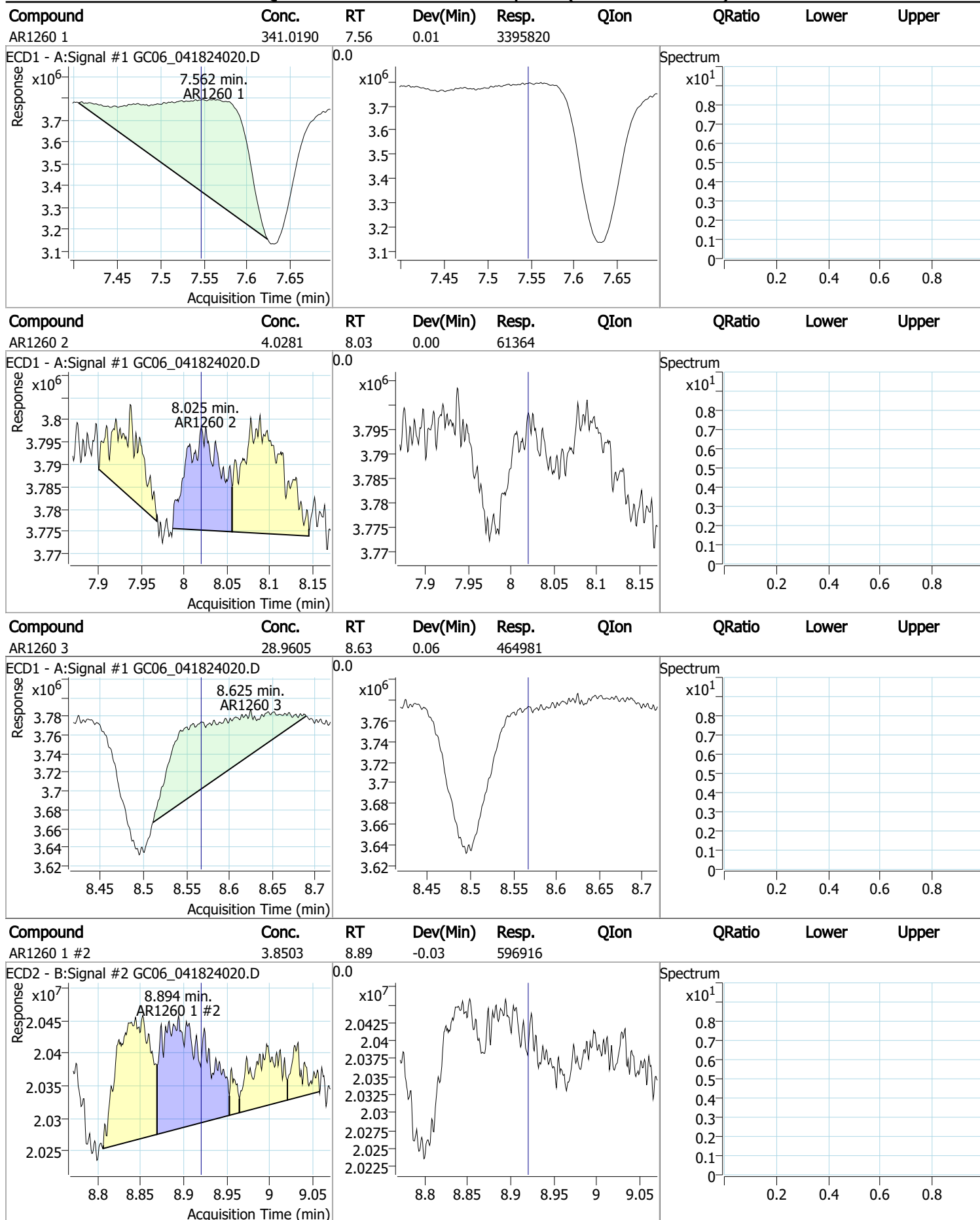
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

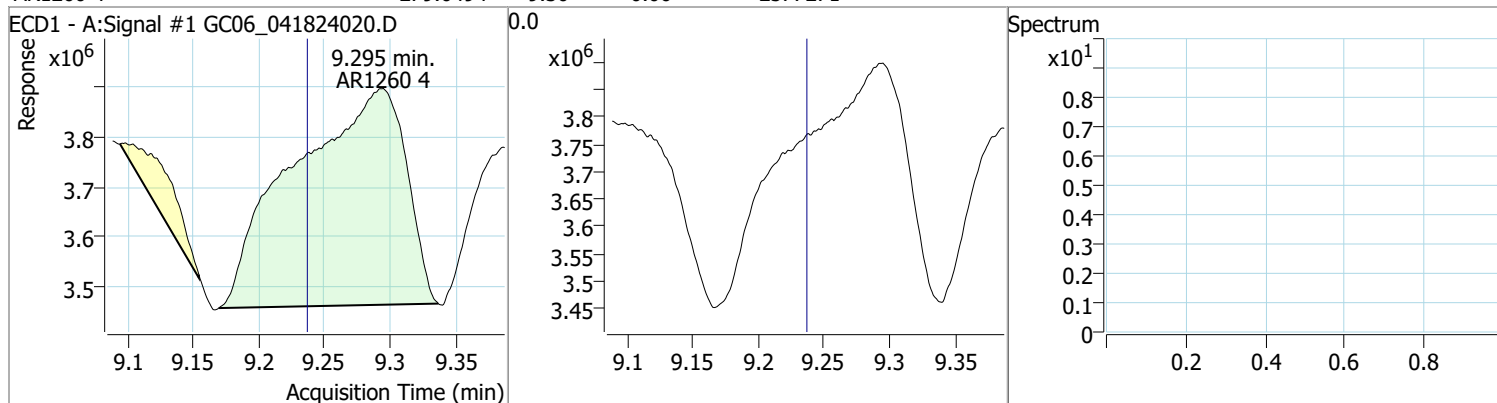


# Quantitation Results Report (Not Reviewed)

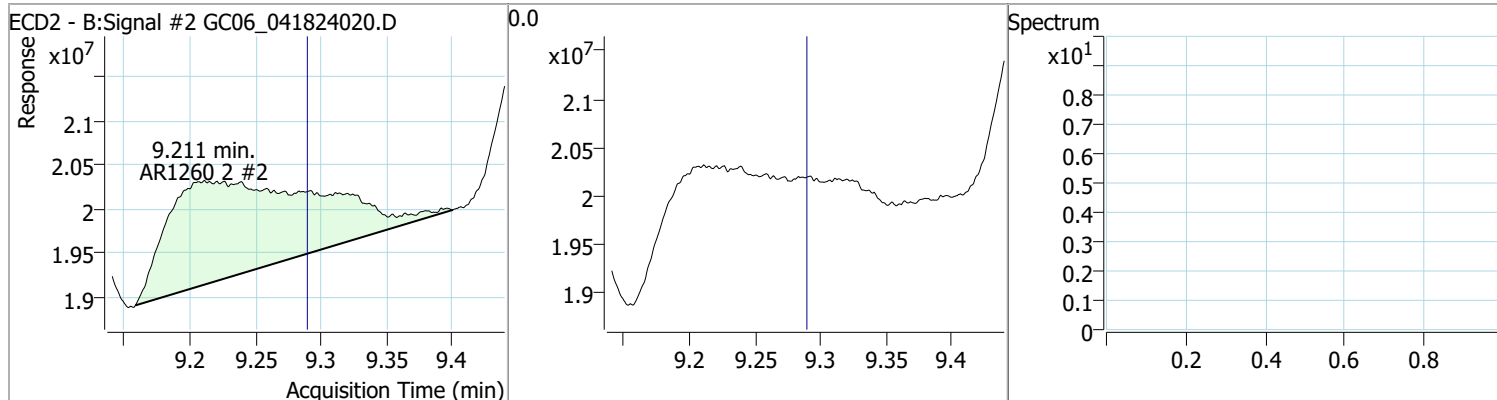


# Quantitation Results Report (Not Reviewed)

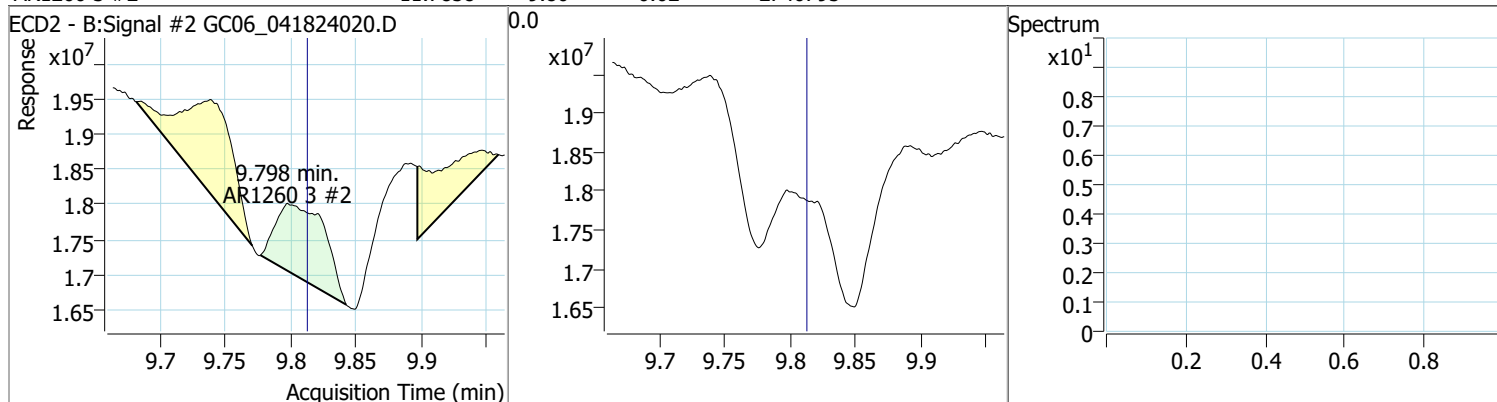
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 4 | 279.0494 | 9.30 | 0.06     | 2577271 |      |        |       |       |



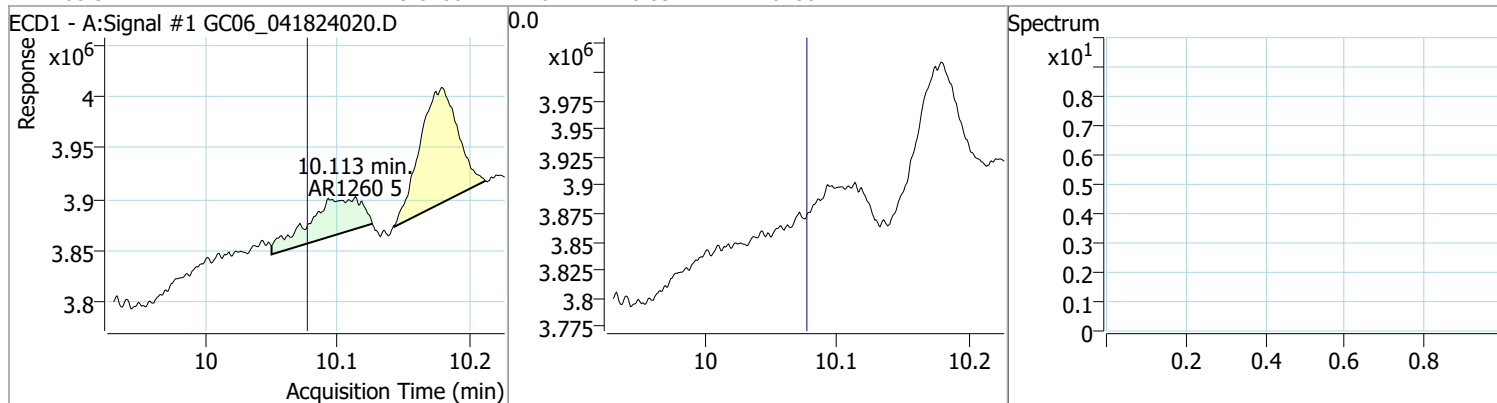
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 2 #2 | 46.8456 | 9.21 | -0.08    | 8834578 |      |        |       |       |



| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 3 #2 | 11.7858 | 9.80 | -0.02    | 2740795 |      |        |       |       |



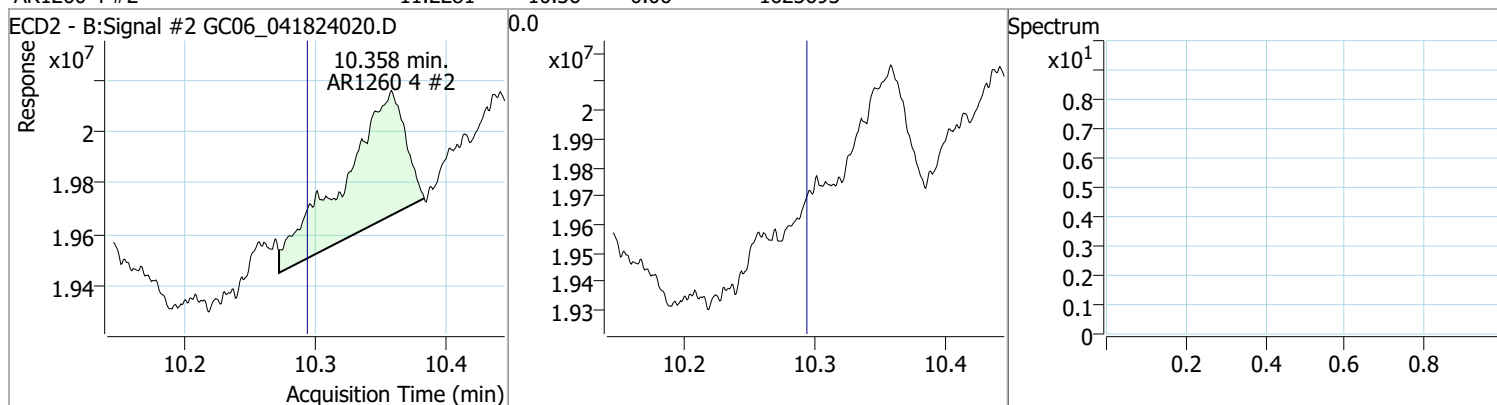
| Compound | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 | 9.8786 | 10.11 | 0.03     | 101867 |      |        |       |       |



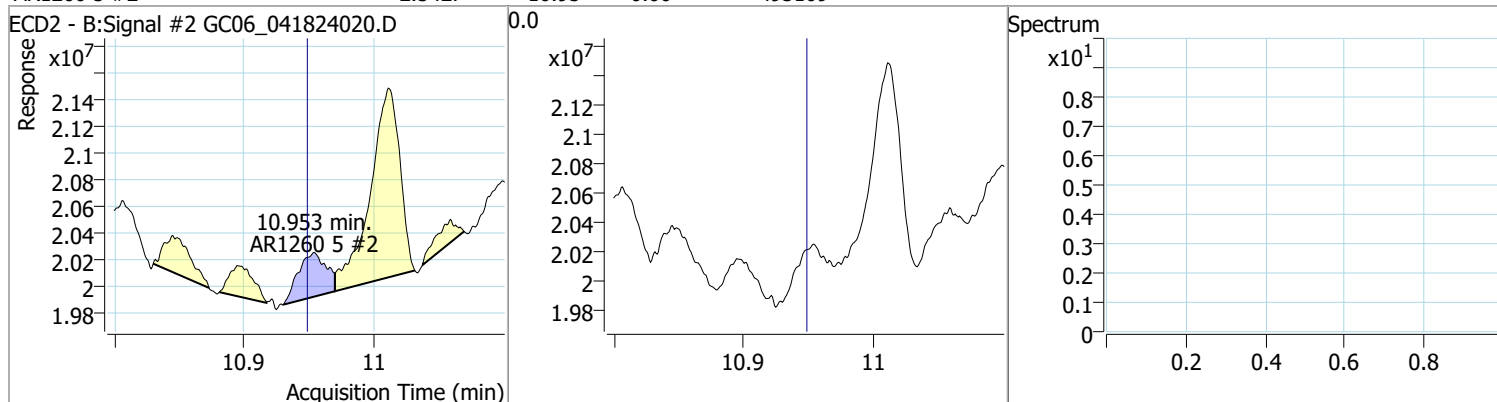


# Quantitation Results Report (Not Reviewed)

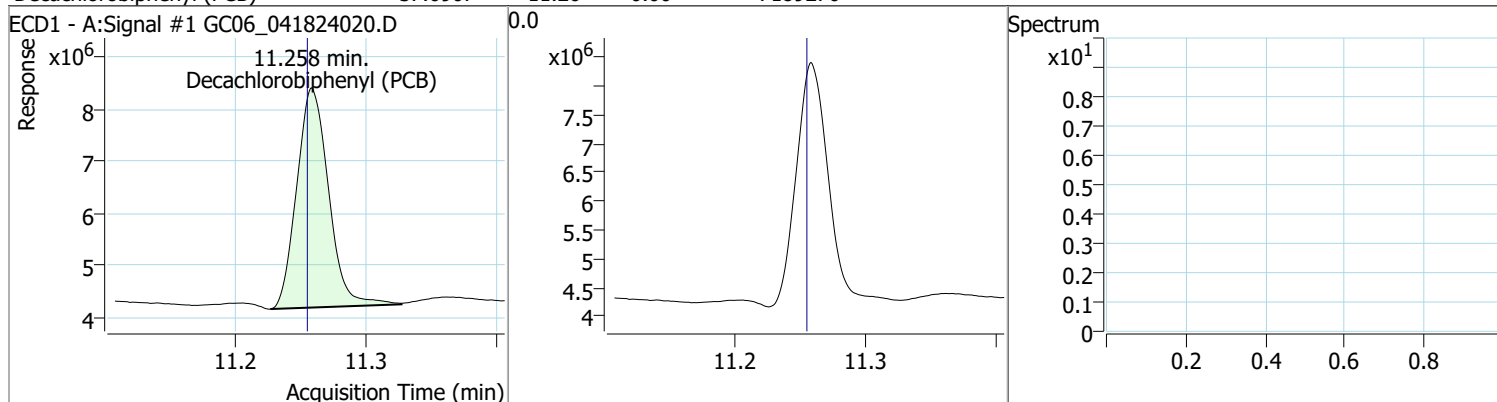
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 4 #2 | 11.2281 | 10.36 | 0.06     | 1623693 |      |        |       |       |



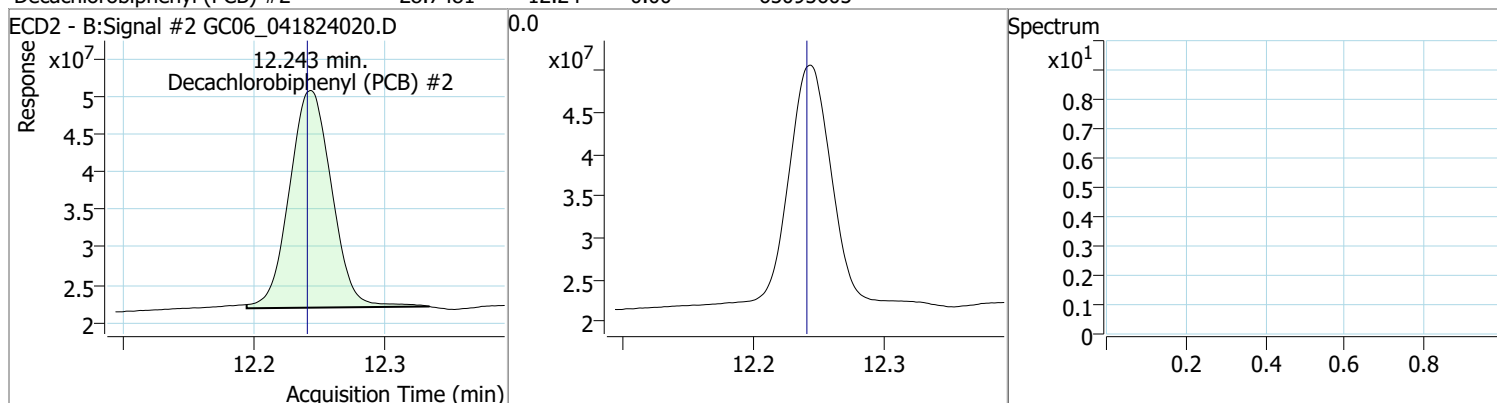
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 #2 | 2.5427 | 10.95 | 0.00     | 495109 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|---------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 37.0907 | 11.26 | 0.00     | 7189270 |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 28.7481 | 12.24 | 0.00     | 65095605 |      |        |       |       |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-009   | Client ID: ARCH-C14E-DG-2 TO 2.5-240412-P-FB |
| Seqnum: 454157500021 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: gc06_041824021 | Batch: 338024        | Time: 18-APR-2024 15:14                      |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                |

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

| Analyte               | Ch | Raw    | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 40.57  | ND     | 1.4  | 111% | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 88.14  | 0.88   | 2.21 | 86%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 70.96  | 0.71   | 1.04 | 37%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 36.16  | 0.36   | 1.96 | 138% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 7.300  | 0.07   | 1.62 | 183% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 0.3034 | 0.00   | 0.27 | 196% |      |       |       |
| <b>Aroclor-1221</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 17.00  | ND     | 1.3  | 154% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 11.61  | 0.12   | 3.29 | 186% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 41.09  | 0.41   | 0.04 | 164% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 12.71  | 0.13   | 0.46 | 113% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 14.71  | 0.15   | 2.64 | 179% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 4.885  | 0.05   | 0.07 | 40%  |      |       |       |
| <b>Aroclor-1262</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |        | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 31.43 | 0.5000 | 0.3143 | 63   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 28.88 | 0.5000 | 0.2888 | 58   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 50847077     | 15.26  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3044716      | -0.22  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

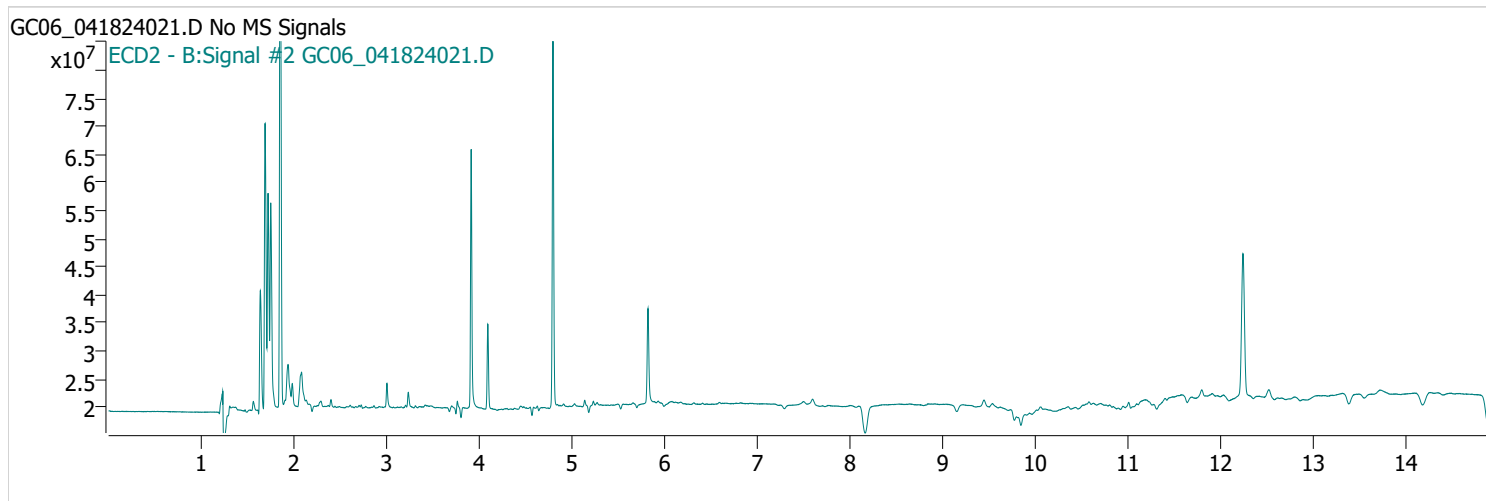
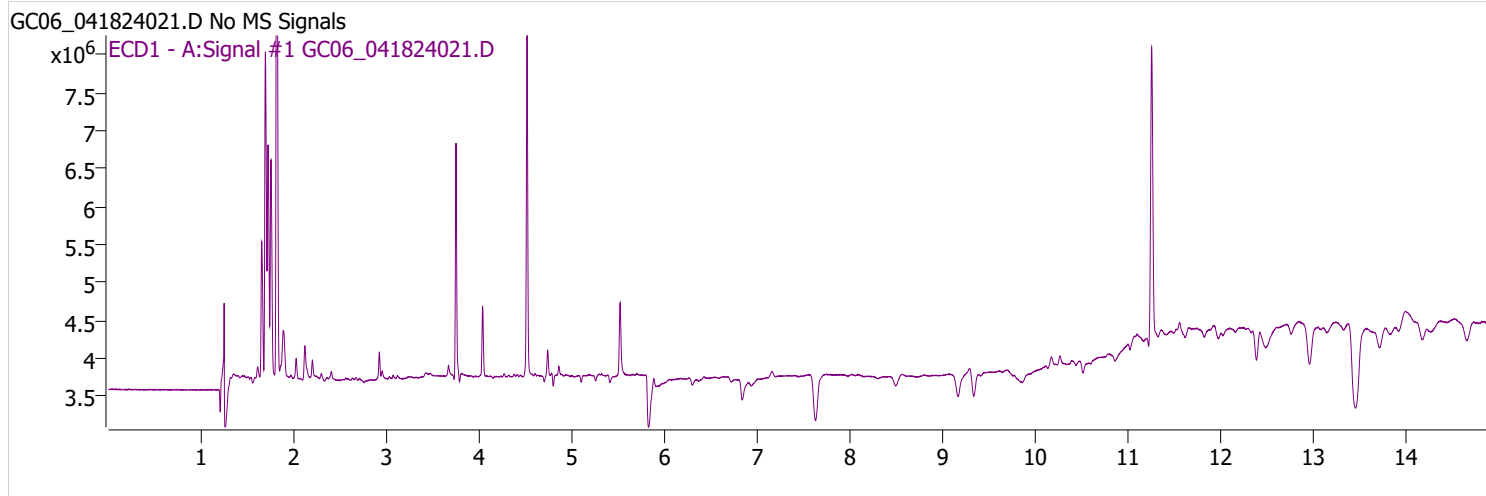
u=use

**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824021.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 3:14:33 PM  |
| Sample Name    | 506093-009, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 8                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.749                | 0.0  | 3044716.328  | 20.0000            | ng/ml | -0.002   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 50847076.847 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.517                | 0.0  | 4686910.742  | 34.1920            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 170.96% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 69290565.759 | 31.4260            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 157.13% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 6566555.128  | 36.2286            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 181.14% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.243               | 0.0  | 60033654.603 | 28.8812            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 144.41% |       |          |

## Target Compounds

GC06\_041824021.D

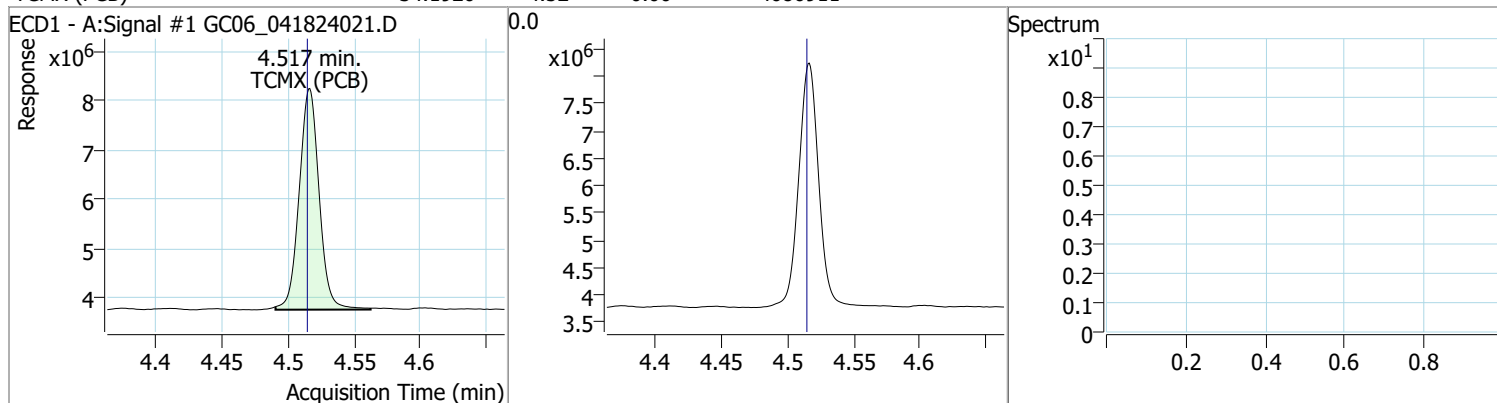
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.           | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-----------------|----------|-------|----------|
| T AR1016 1    | 4.859  | 0.0  | 723076.123      | 220.9198 | ng/ml | 100      |
| T AR1016 2    | 5.187  | 0.0  | 652329.038      | 103.5255 | ng/ml | 100      |
| T AR1016 1 #2 | 5.233  | 0.0  | 4141255.75<br>6 | 88.1387  | ng/ml | 100      |
| T AR1016 3    | 5.521  | 0.0  | 1517748.74<br>3 | 196.3679 | ng/ml | 100      |
| T AR1016 2 #2 | 5.663  | 0.0  | 6669927.90<br>4 | 70.9577  | ng/ml | 100      |
| T AR1016 4    | 5.521  | 0.0  | 883284.100      | 161.8649 | ng/ml | 100      |
| T AR1016 5    | 6.054  | 0.0  | 123133.514      | 26.9329  | ng/ml | 100      |
| T AR1016 3 #2 | 6.081  | 0.0  | 4707886.53<br>9 | 36.1603  | ng/ml | 100      |
| T AR1016 4 #2 | 6.174  | 0.0  | 628217.846      | 7.2997   | ng/ml | 100      |
| T AR1016 5 #2 | 6.731  | 0.0  | 21859.522       | 0.3034   | ng/ml | 100      |
| T AR1260 1    | 7.568  | 0.0  | 3062676.73<br>1 | 328.9031 | ng/ml | 100      |
| T AR1260 2    | 8.021  | 0.0  | 57787.999       | 4.0566   | ng/ml | 100      |
| T AR1260 3    | 8.564  | 0.0  | 690382.046      | 45.9826  | ng/ml | 100      |
| T AR1260 1 #2 | 8.845  | 0.0  | 1651863.62<br>8 | 11.6069  | ng/ml | 100      |
| T AR1260 4    | 9.292  | 0.0  | 2275937.51<br>7 | 263.5203 | ng/ml | 100      |
| T AR1260 2 #2 | 9.228  | 0.0  | 7112806.42<br>2 | 41.0854  | ng/ml | 100      |
| T AR1260 3 #2 | 9.798  | 0.0  | 2712697.96<br>5 | 12.7071  | ng/ml | 100      |
| T AR1260 5    | 10.115 | 0.0  | 70766.215       | 7.3387   | ng/ml | 100      |
| T AR1260 4 #2 | 10.359 | 0.0  | 1953174.35<br>0 | 14.7132  | ng/ml | 100      |
| T AR1260 5 #2 | 10.948 | 0.0  | 873202.185      | 4.8851   | ng/ml | 100      |

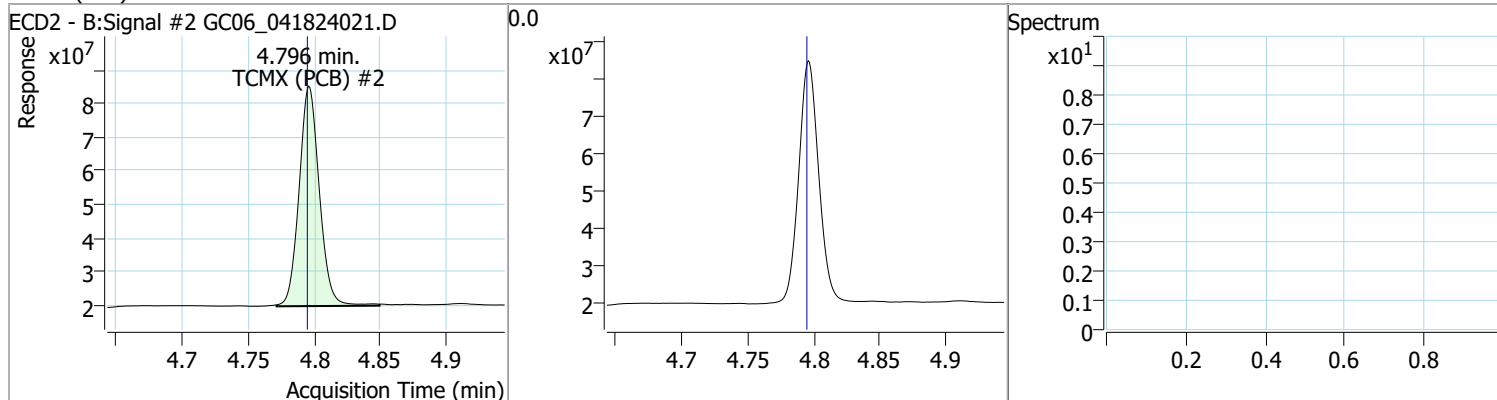
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

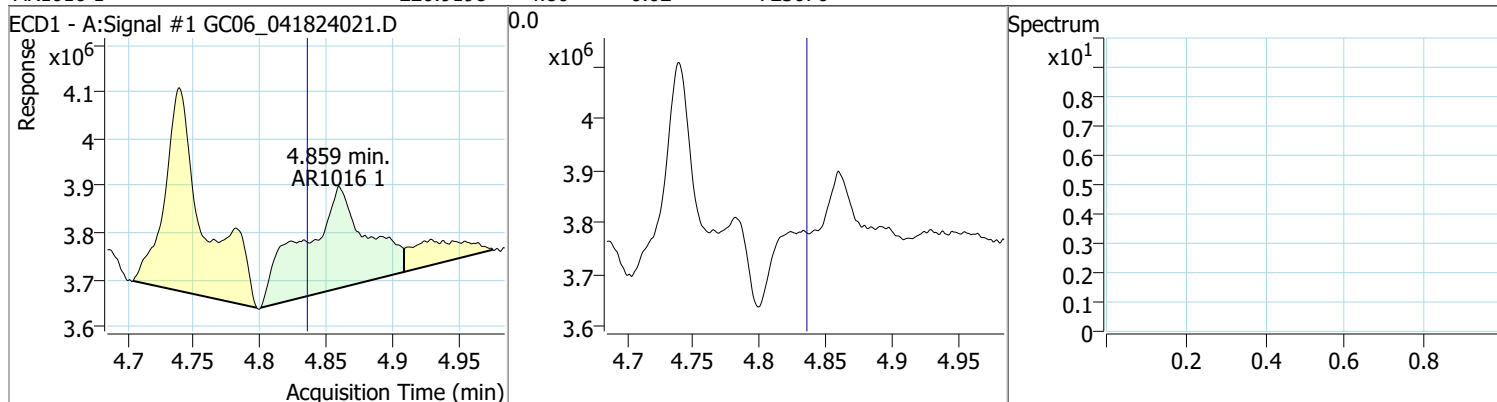
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 34.1920 | 4.52 | 0.00     | 4686911 |      |        |       |       |



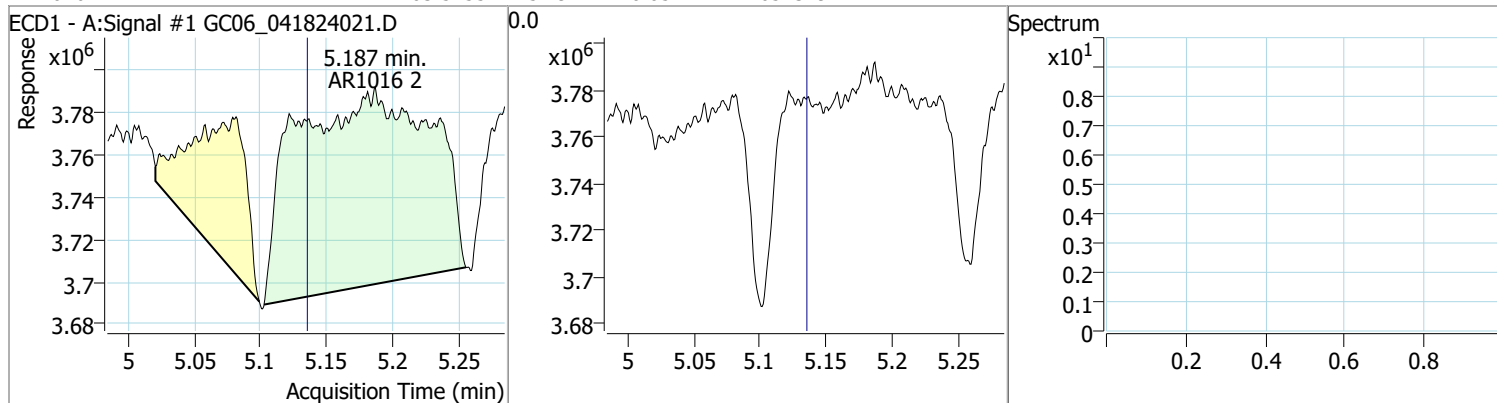
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 31.4260 | 4.80 | 0.00     | 69290566 |      |        |       |       |



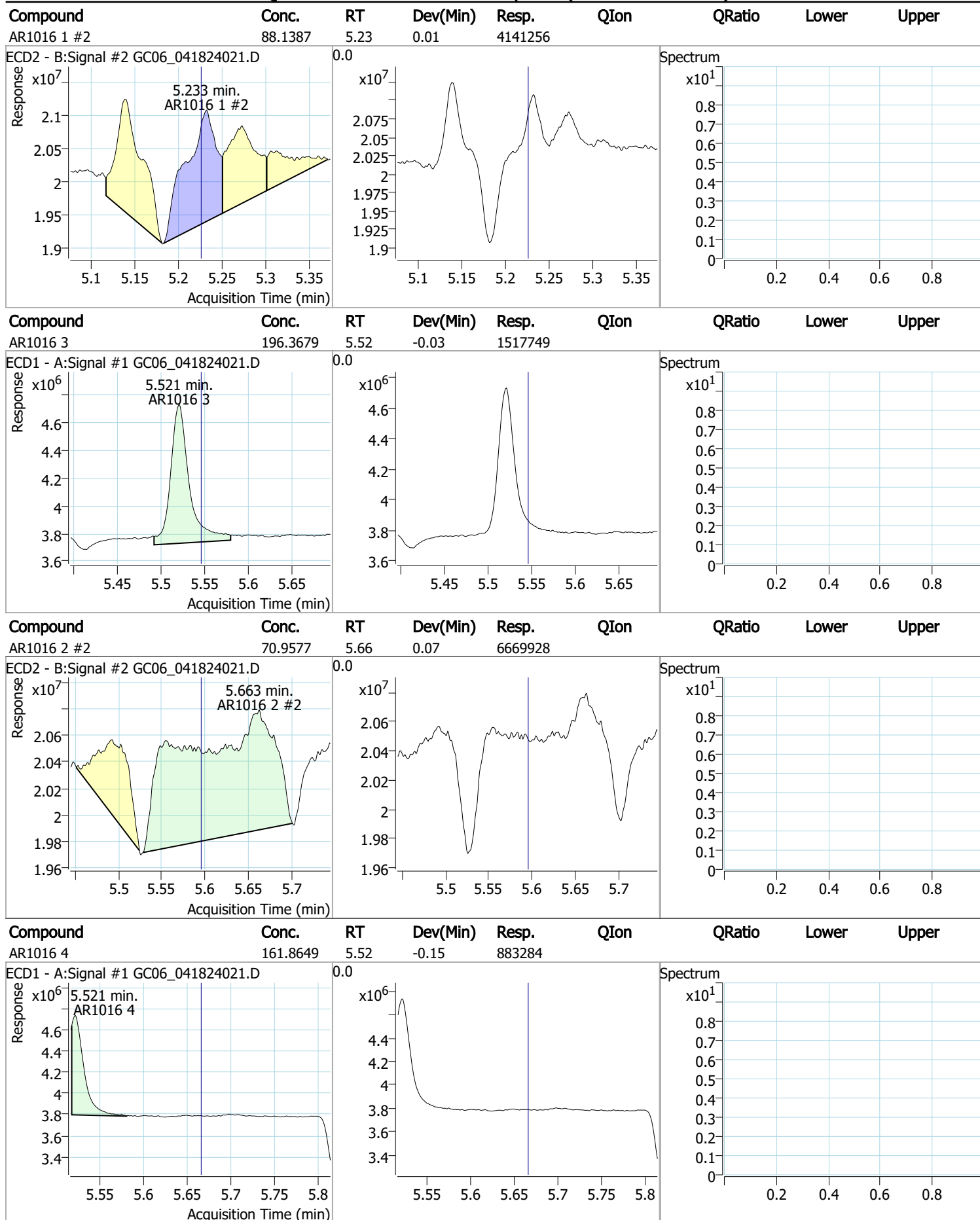
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 220.9198 | 4.86 | 0.02     | 723076 |      |        |       |       |



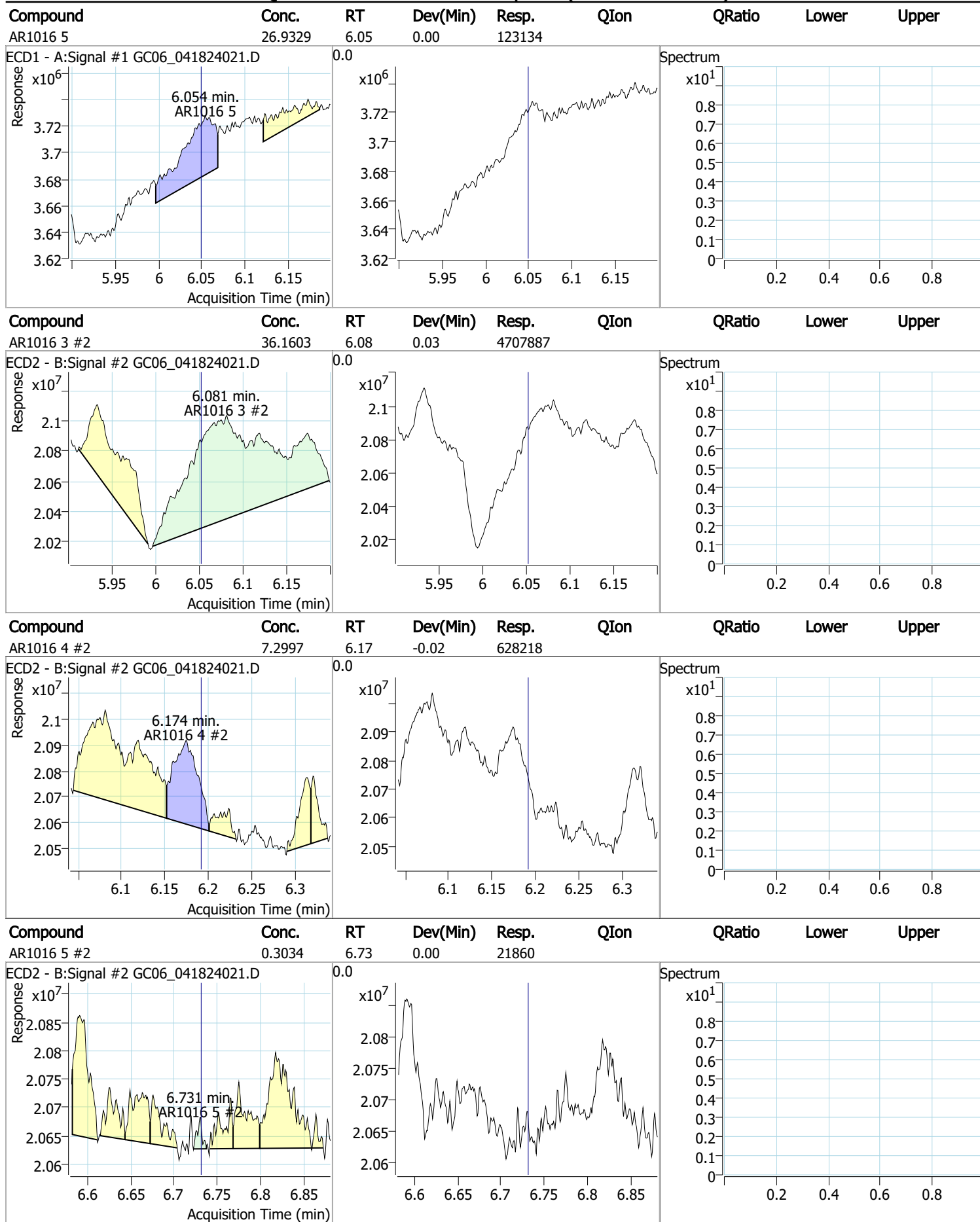
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 103.5255 | 5.19 | 0.05     | 652329 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

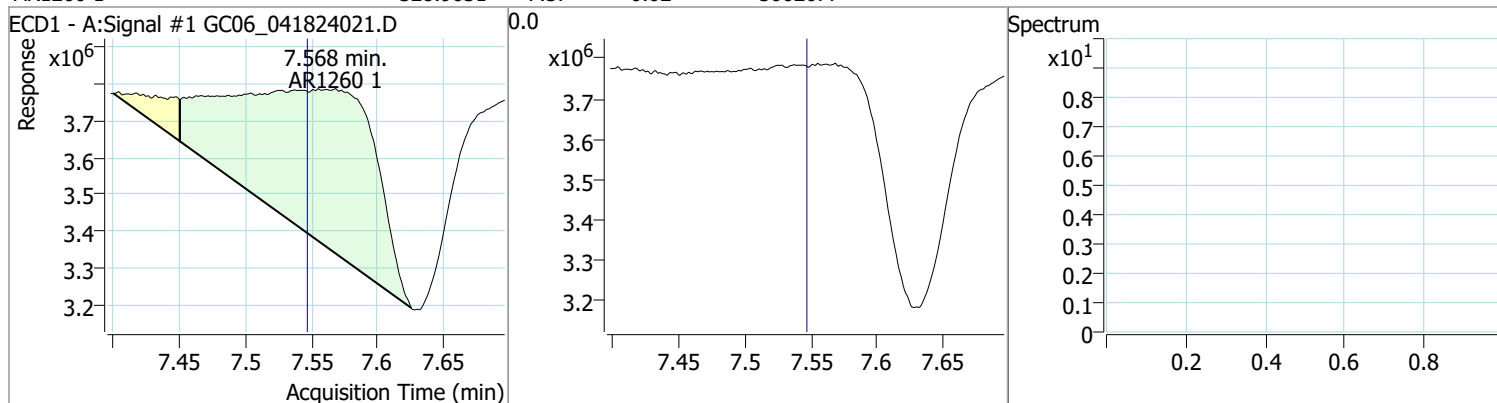


# Quantitation Results Report (Not Reviewed)

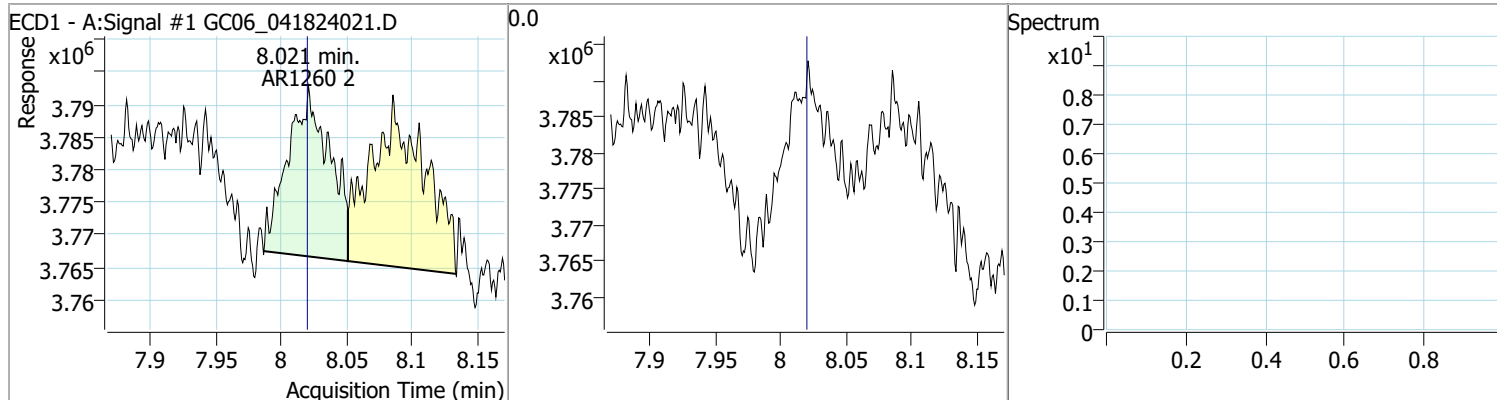


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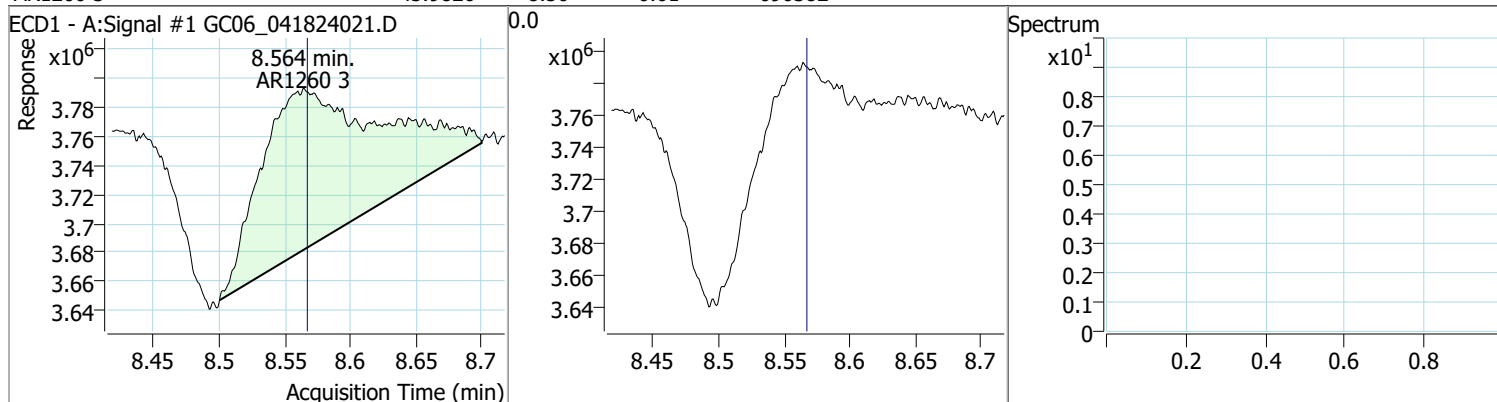
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 328.9031 | 7.57 | 0.02     | 3062677 |      |        |       |       |



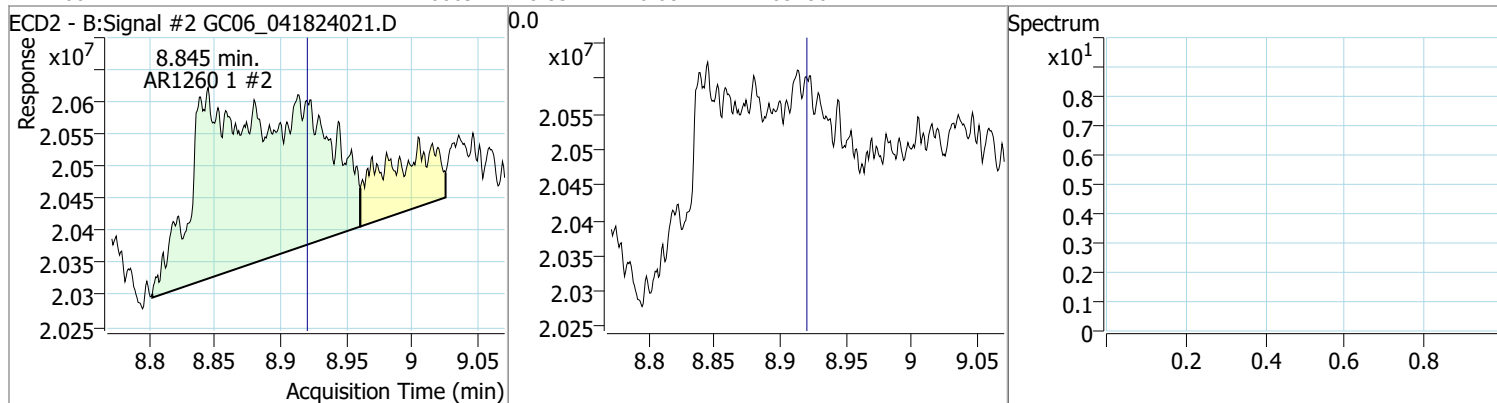
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 4.0566 | 8.02 | 0.00     | 57788 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 3 | 45.9826 | 8.56 | -0.01    | 690382 |      |        |       |       |

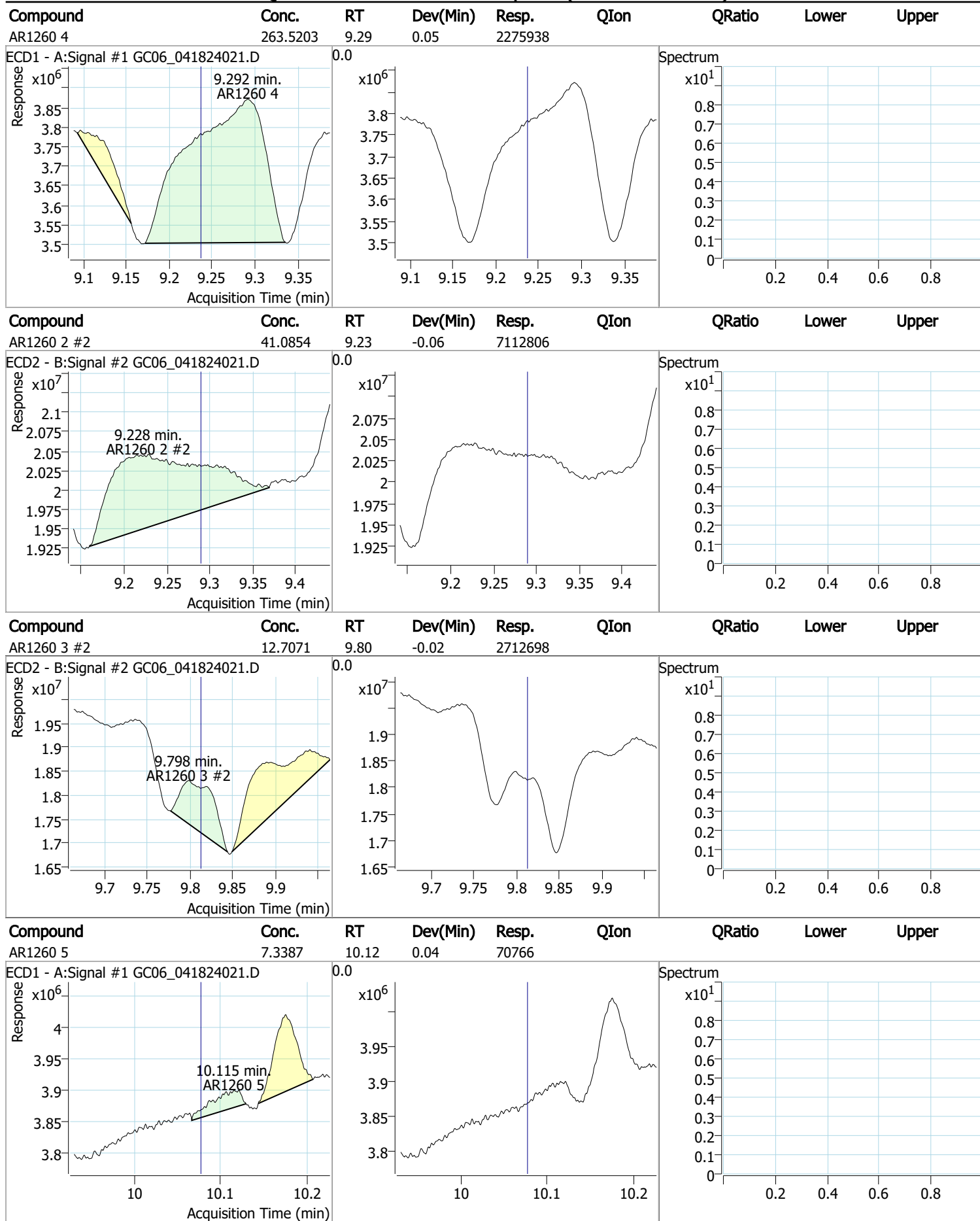


| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 #2 | 11.6069 | 8.85 | -0.08    | 1651864 |      |        |       |       |



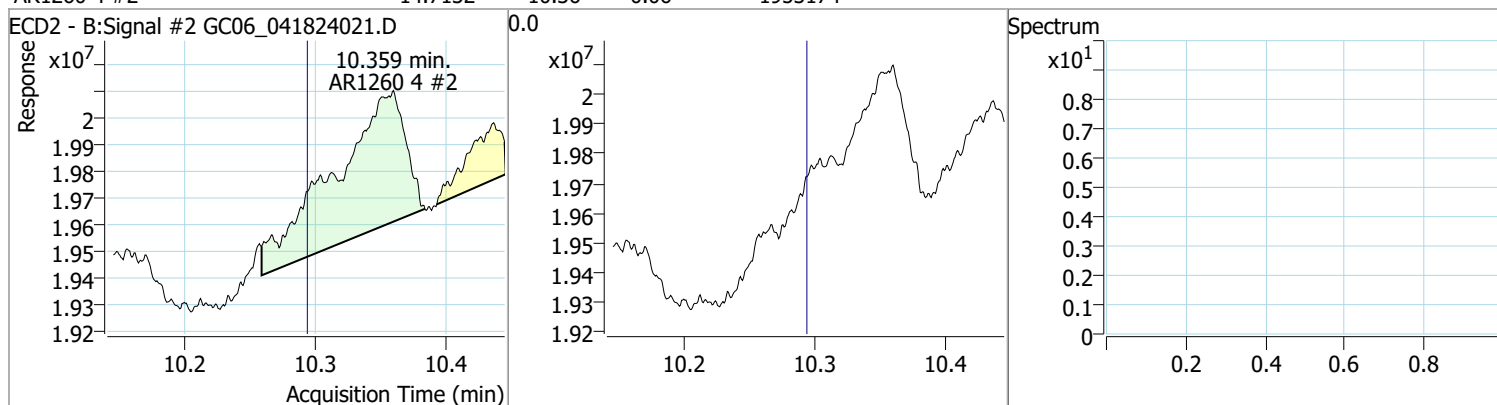


# Quantitation Results Report (Not Reviewed)

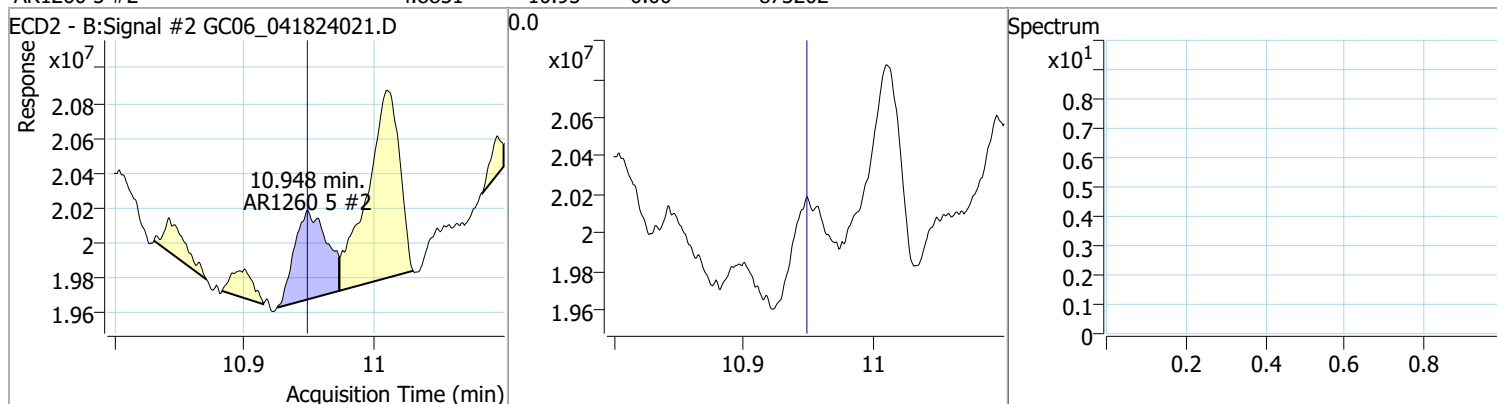


# Quantitation Results Report (Not Reviewed)

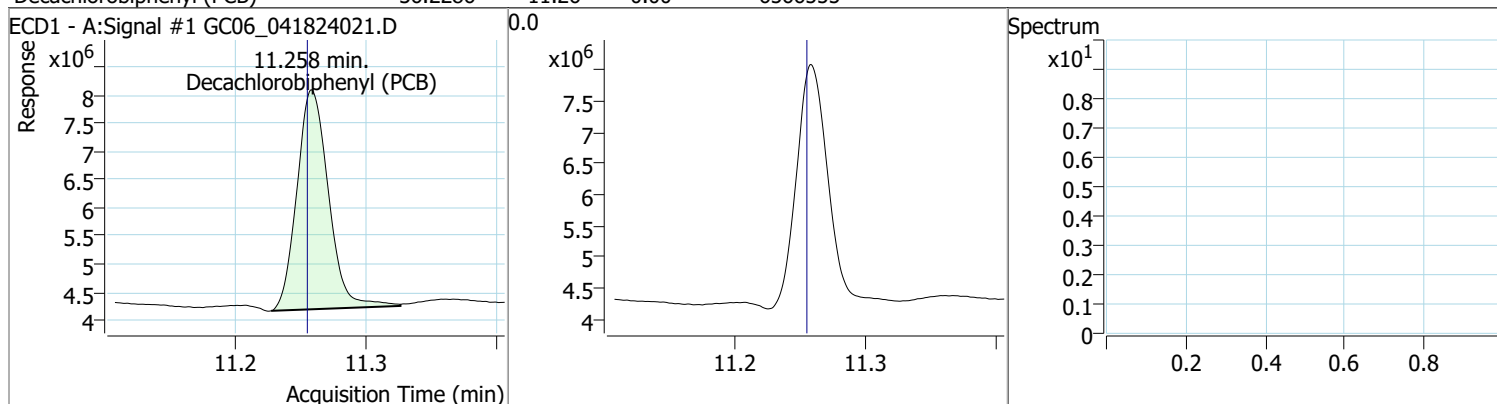
| Compound    | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 4 #2 | 14.7132 | 10.36 | 0.06     | 1953174 |      |        |       |       |



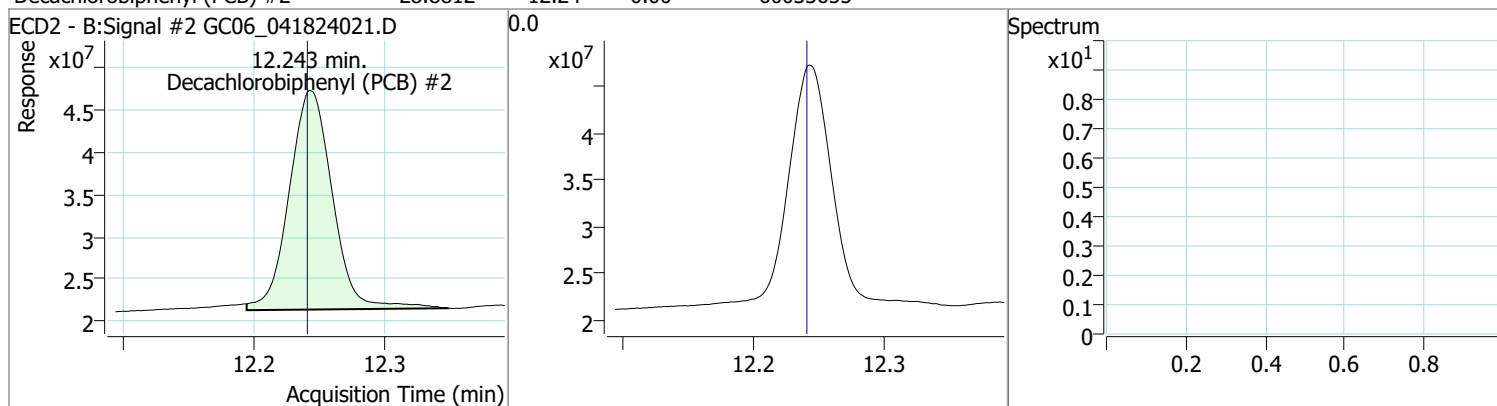
| Compound    | Conc.  | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|-------|----------|--------|------|--------|-------|-------|
| AR1260 5 #2 | 4.8851 | 10.95 | 0.00     | 873202 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|---------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 36.2286 | 11.26 | 0.00     | 6566555 |      |        |       |       |



| Compound                    | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 28.8812 | 12.24 | 0.00     | 60033655 |      |        |       |       |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-011   | Client ID: ARCH-C14E-DG-2.5 TO 3-240412-P-FB |
| Seqnum: 454157500022 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: gc06_041824022 | Batch: 338024        | Time: 18-APR-2024 15:35                      |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                |

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

| Analyte               | Ch | Raw   | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 41.98 | ND     | 1.0  | 86%  | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 104.2 | 1.04   | 1.68 | 47%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 53.05 | 0.53   | 0.90 | 51%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 43.73 | 0.44   | 2.00 | 128% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 7.641 | 0.08   | 0.11 | 39%  |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 1.286 | 0.01   | 0.55 | 191% |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 14.21 | ND     | 1.4  | 163% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 3.216 | 0.03   | 3.49 | 196% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 43.32 | 0.43   | 0.02 | 179% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 12.07 | 0.12   | 0.41 | 109% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 11.01 | 0.11   | 2.76 | 185% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 1.444 | 0.01   | 0.19 | 172% |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 35.31 | 0.5000 | 0.3531 | 71   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 28.78 | 0.5000 | 0.2878 | 58   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 54191662     | 22.84  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3179902      | 4.21   |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use

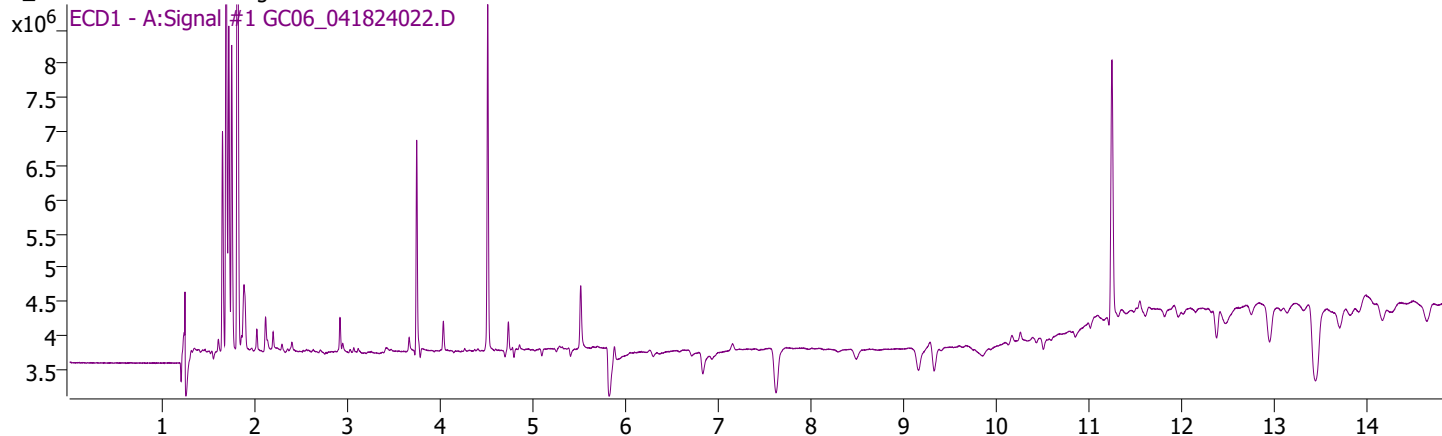
**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

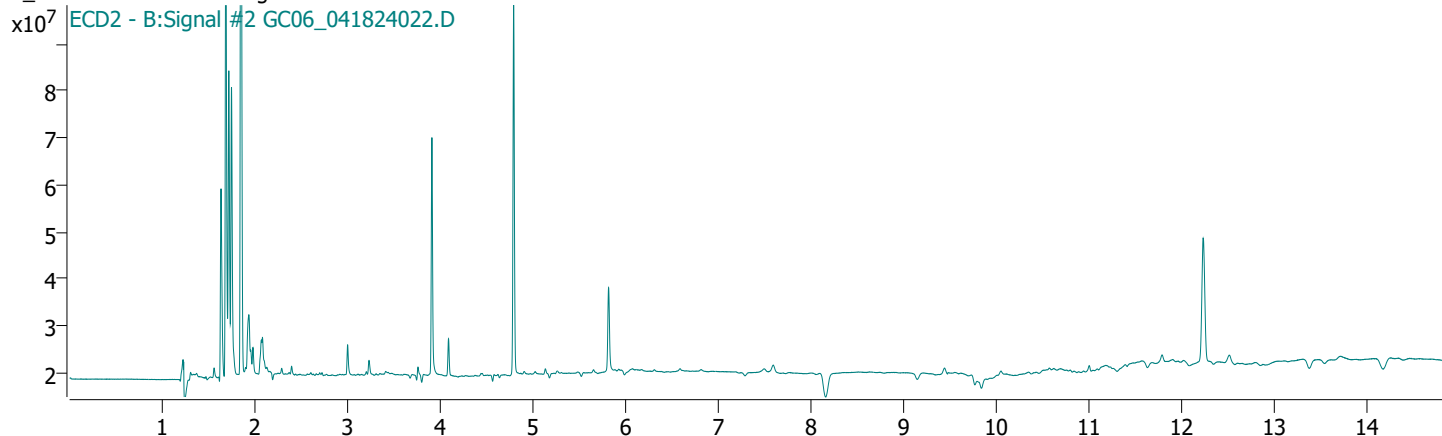
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824022.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 3:35:36 PM  |
| Sample Name    | 506093-011, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 9                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824022.D No MS Signals



GC06\_041824022.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.748                | 0.0  | 3179902.23<br>9  | 20.0000            | ng/ml | -0.002   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 54191661.7<br>98 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.516                | 0.0  | 5157980.48<br>0  | 36.0289            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 180.14% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 82969651.7<br>45 | 35.3076            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 176.54% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.256               | 0.0  | 6435681.29<br>1  | 33.9970            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 169.99% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.240               | 0.0  | 63758855.1<br>54 | 28.7803            | ng/ml | -0.005   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 143.90% |       |          |

## Target Compounds

QValue

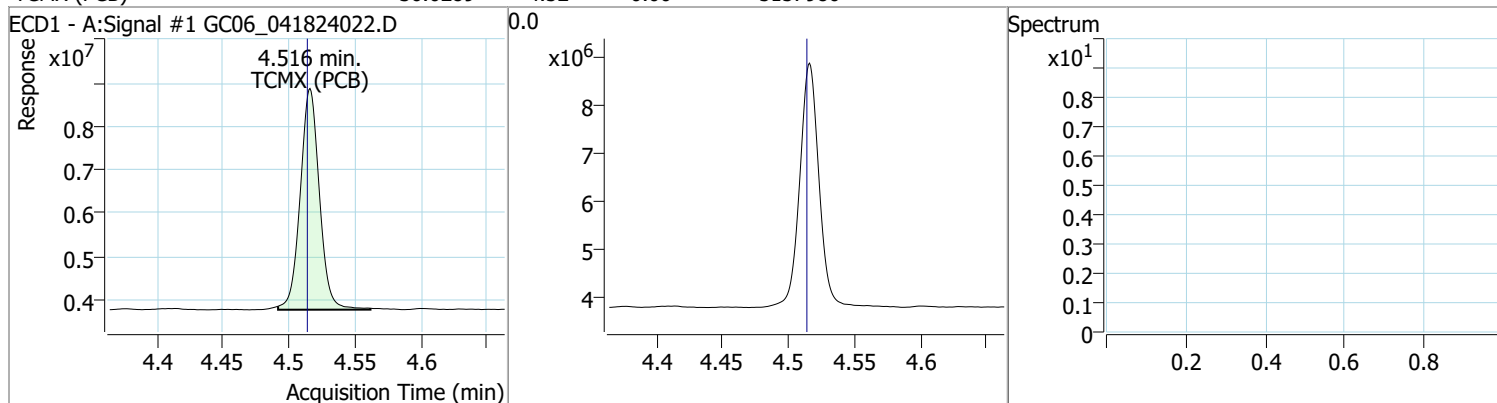
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.       | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-------------|----------|-------|----------|
| T AR1016 1    | 4.858  | 0.0  | 574223.506  | 167.9827 | ng/ml | 100      |
| T AR1016 2    | 5.168  | 0.0  | 590749.261  | 89.7671  | ng/ml | 100      |
| T AR1016 1 #2 | 5.265  | 0.0  | 5216393.774 | 104.1690 | ng/ml | 100      |
| T AR1016 3    | 5.519  | 0.0  | 1613414.685 | 199.8710 | ng/ml | 100      |
| T AR1016 2 #2 | 5.657  | 0.0  | 5315061.317 | 53.0543  | ng/ml | 100      |
| T AR1016 4    | 5.700  | 0.0  | 64721.698   | 11.3563  | ng/ml | 100      |
| T AR1016 5    | 6.174  | 0.0  | 261181.251  | 54.6993  | ng/ml | 100      |
| T AR1016 3 #2 | 6.080  | 0.0  | 6067928.425 | 43.7301  | ng/ml | 100      |
| T AR1016 4 #2 | 6.173  | 0.0  | 700851.385  | 7.6410   | ng/ml | 100      |
| T AR1016 5 #2 | 6.724  | 0.0  | 98750.447   | 1.2862   | ng/ml | 100      |
| T AR1260 1    | 7.552  | 0.0  | 3395983.075 | 349.1929 | ng/ml | 100      |
| T AR1260 2    | 8.018  | 0.0  | 36292.230   | 2.4393   | ng/ml | 100      |
| T AR1260 3    | 8.637  | 0.0  | 645061.963  | 41.1375  | ng/ml | 100      |
| T AR1260 1 #2 | 8.901  | 0.0  | 487833.226  | 3.2162   | ng/ml | 100      |
| T AR1260 4    | 9.294  | 0.0  | 2493300.840 | 276.4150 | ng/ml | 100      |
| T AR1260 2 #2 | 9.221  | 0.0  | 7993289.361 | 43.3217  | ng/ml | 100      |
| T AR1260 3 #2 | 9.799  | 0.0  | 2745648.828 | 12.0676  | ng/ml | 100      |
| T AR1260 5    | 10.100 | 0.0  | 193630.474  | 19.2266  | ng/ml | 100      |
| T AR1260 4 #2 | 10.356 | 0.0  | 1557915.655 | 11.0114  | ng/ml | 100      |
| T AR1260 5 #2 | 10.951 | 0.0  | 275077.359  | 1.4439   | ng/ml | 100      |

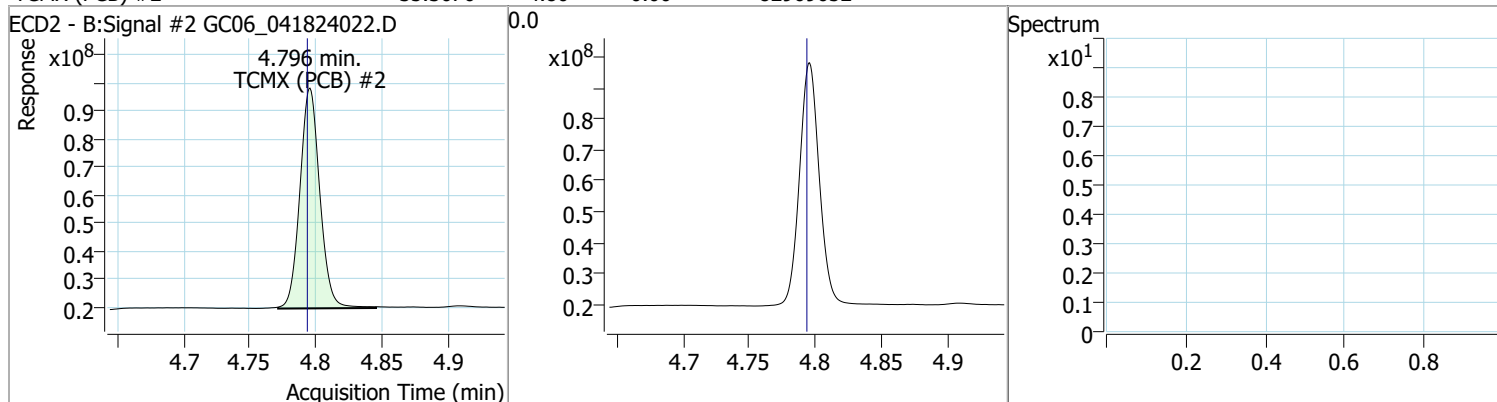
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

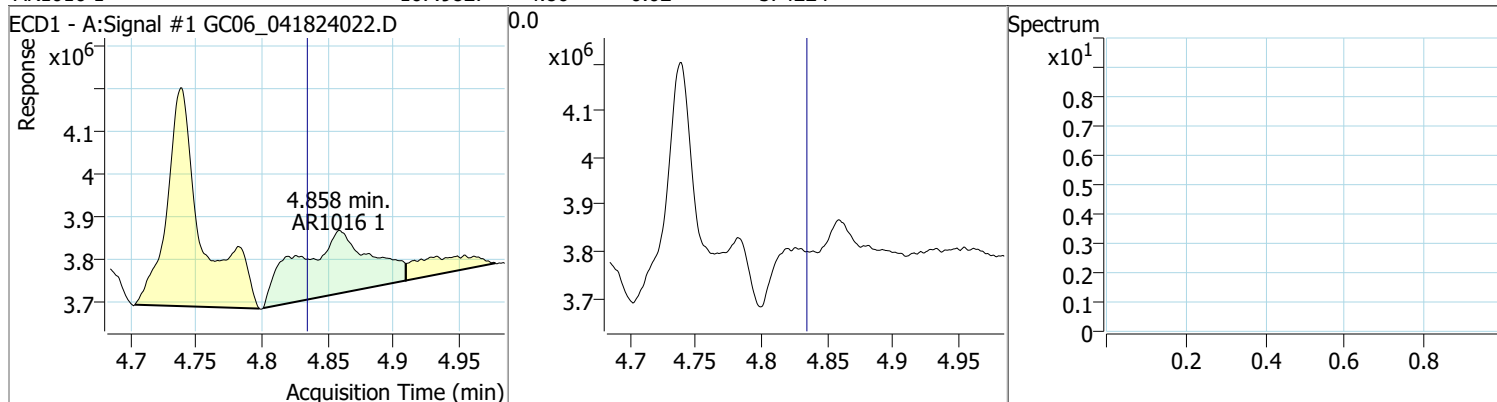
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 36.0289 | 4.52 | 0.00     | 5157980 |      |        |       |       |



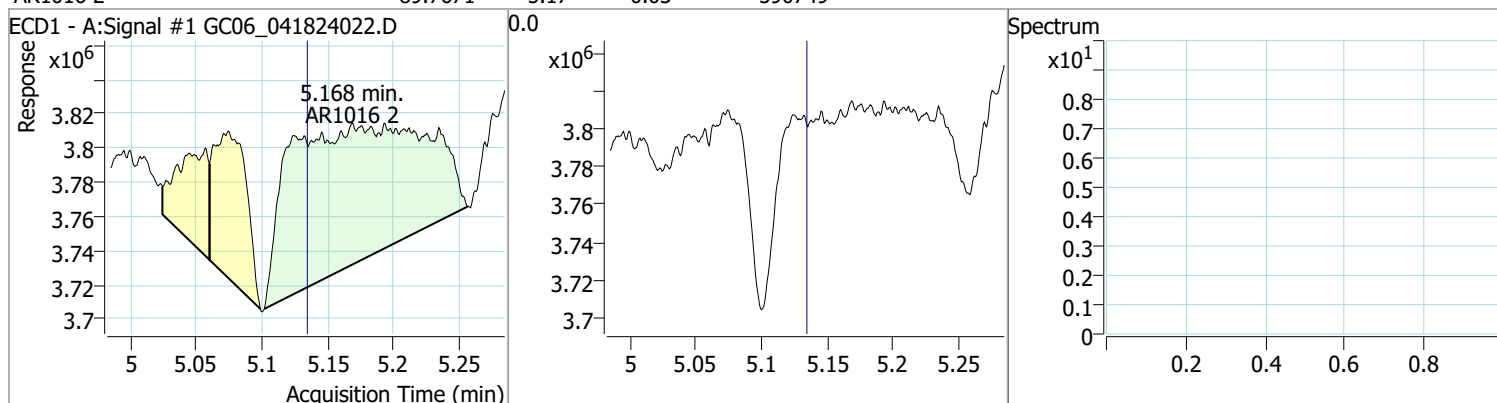
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 35.3076 | 4.80 | 0.00     | 82969652 |      |        |       |       |



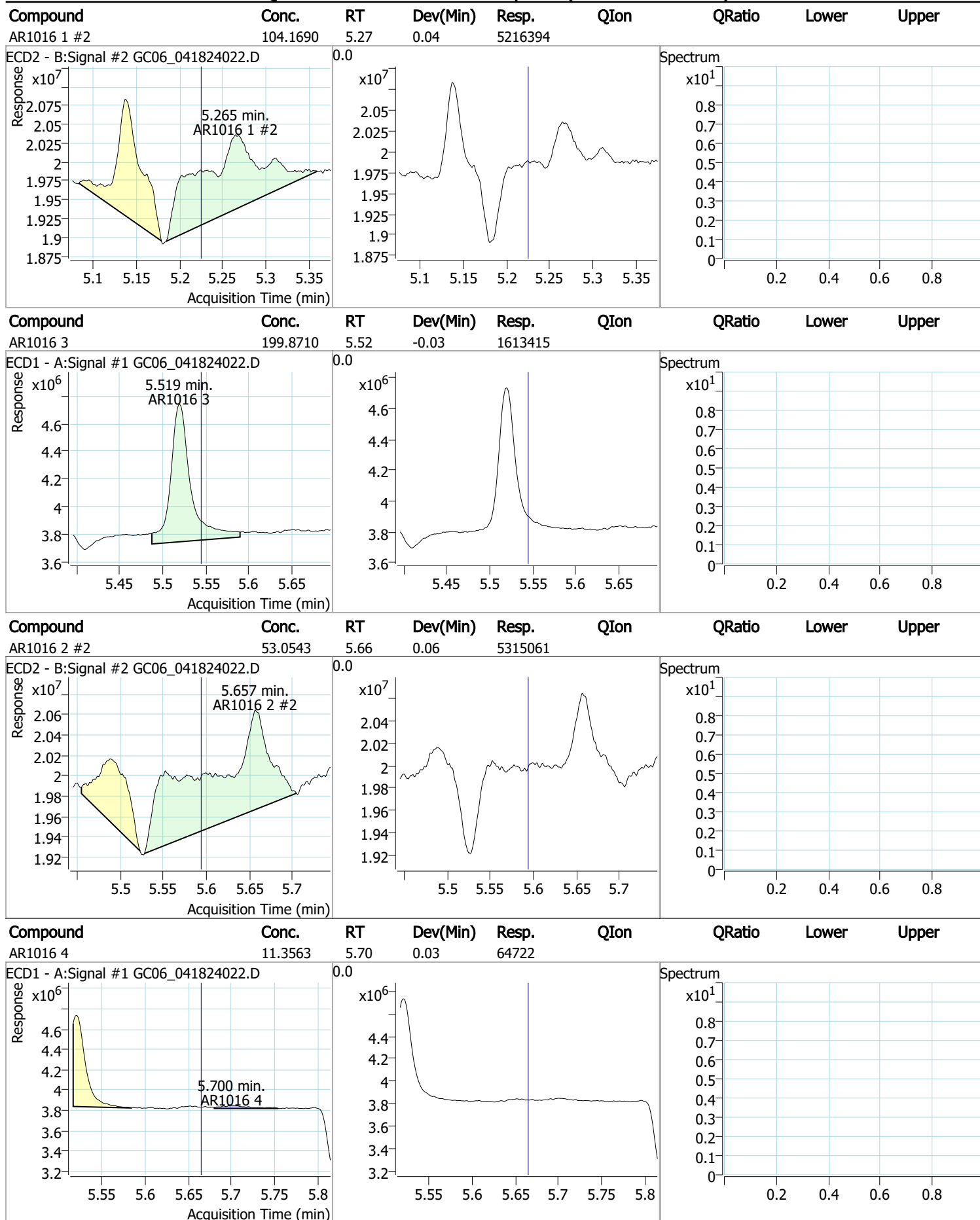
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 167.9827 | 4.86 | 0.02     | 574224 |      |        |       |       |



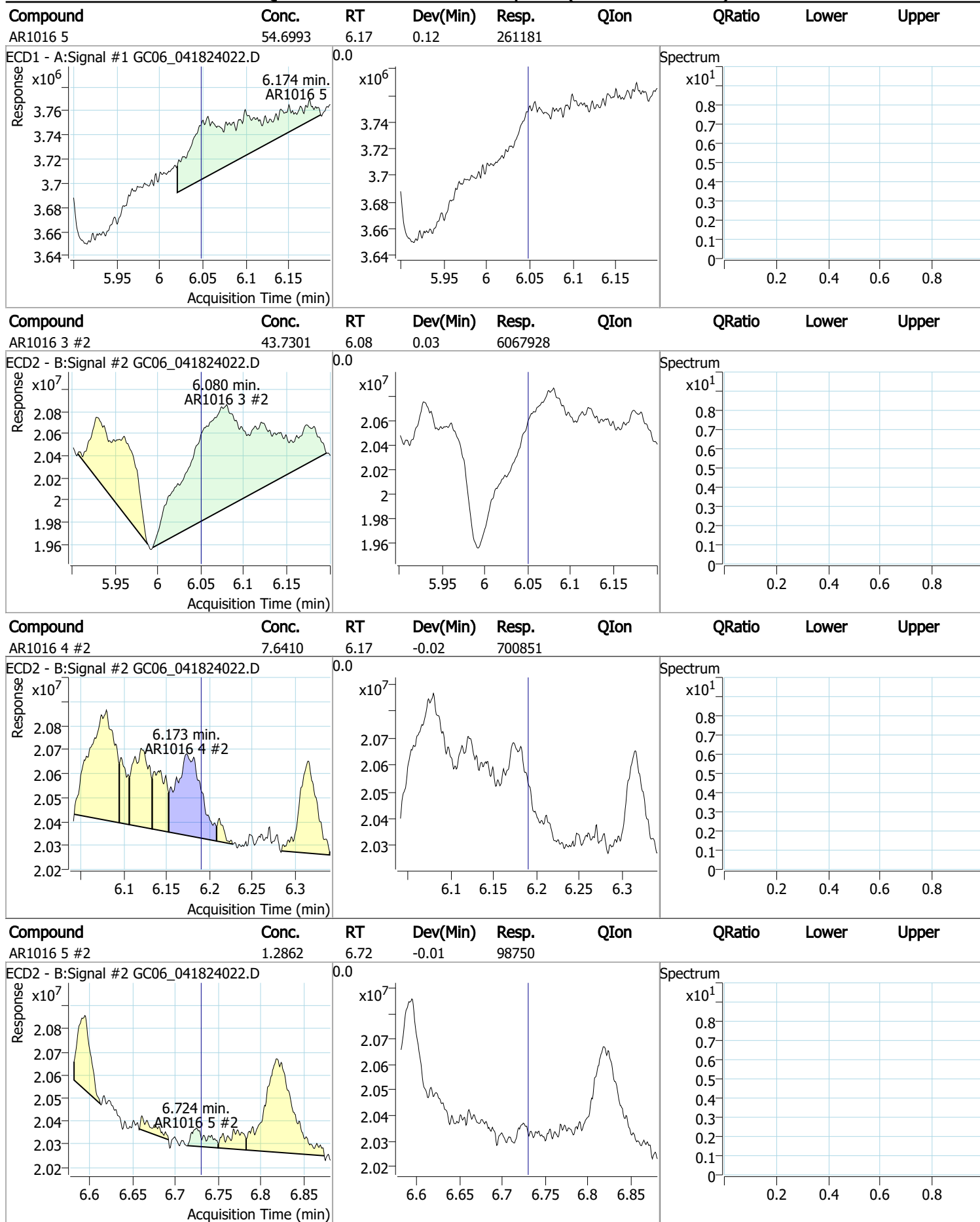
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 89.7671 | 5.17 | 0.03     | 590749 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



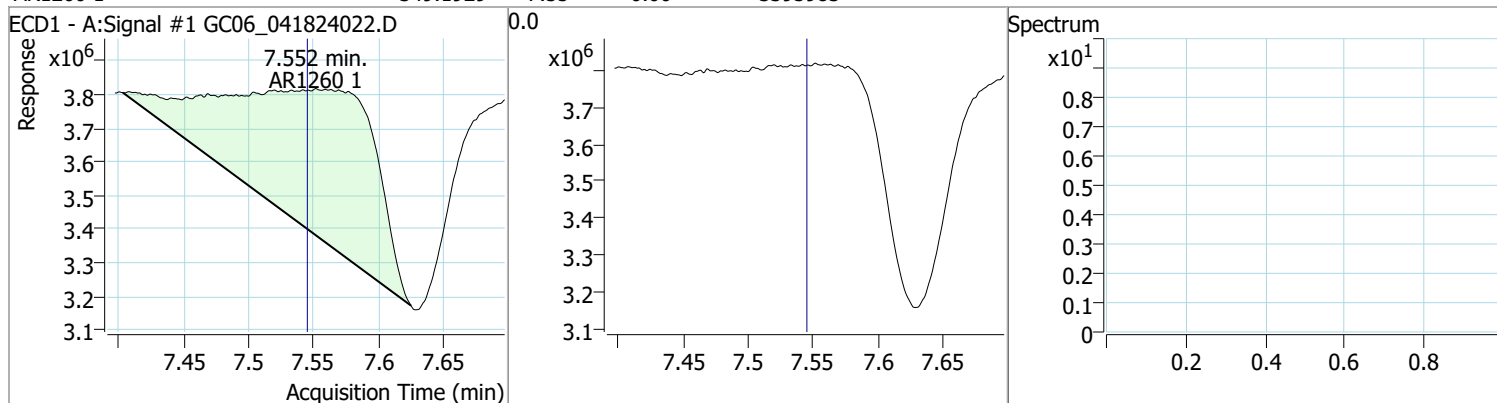
# Quantitation Results Report (Not Reviewed)



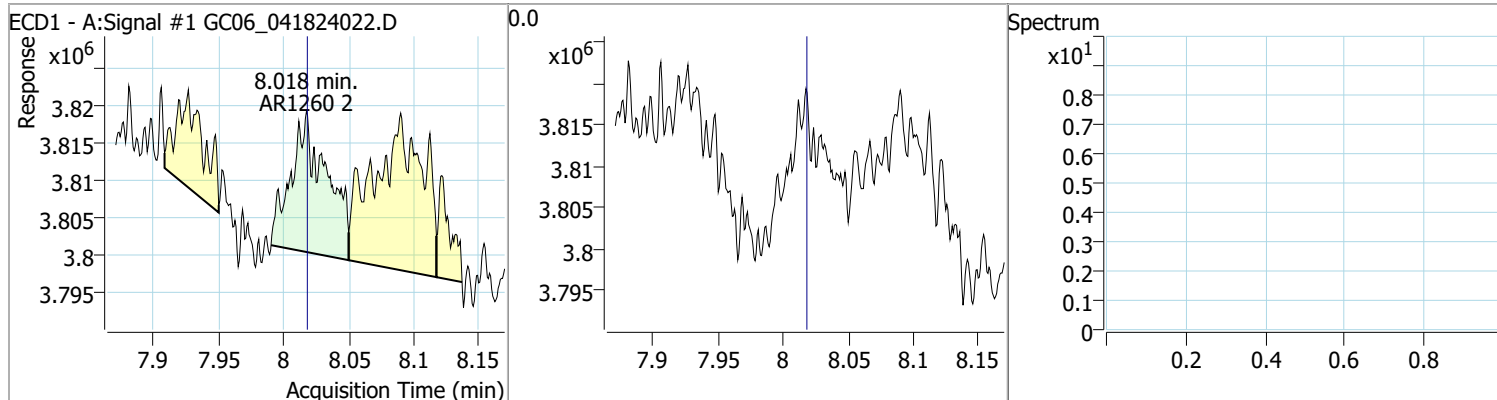


# Quantitation Results Report (Not Reviewed)

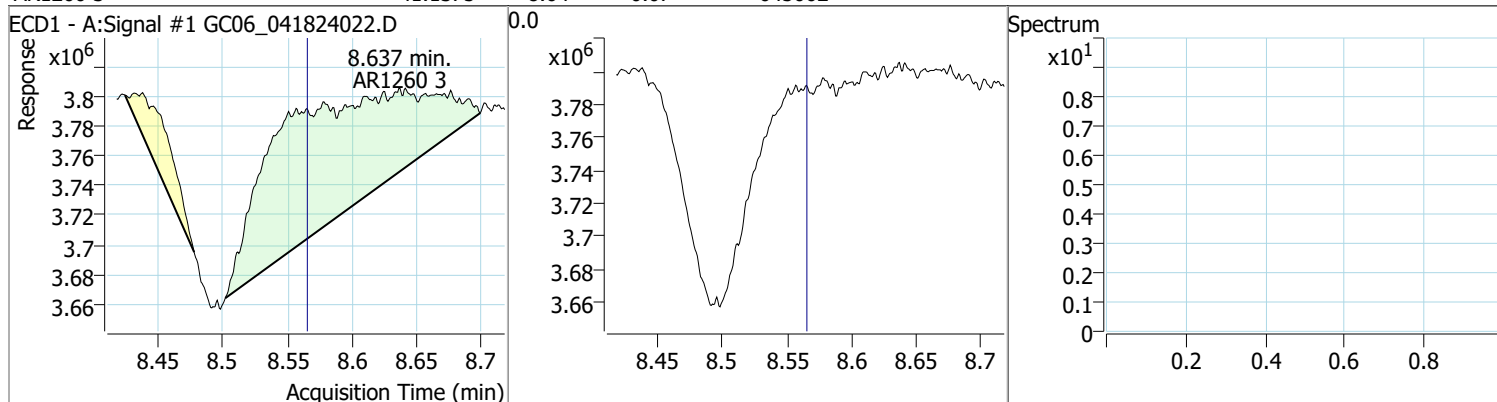
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 349.1929 | 7.55 | 0.00     | 3395983 |      |        |       |       |



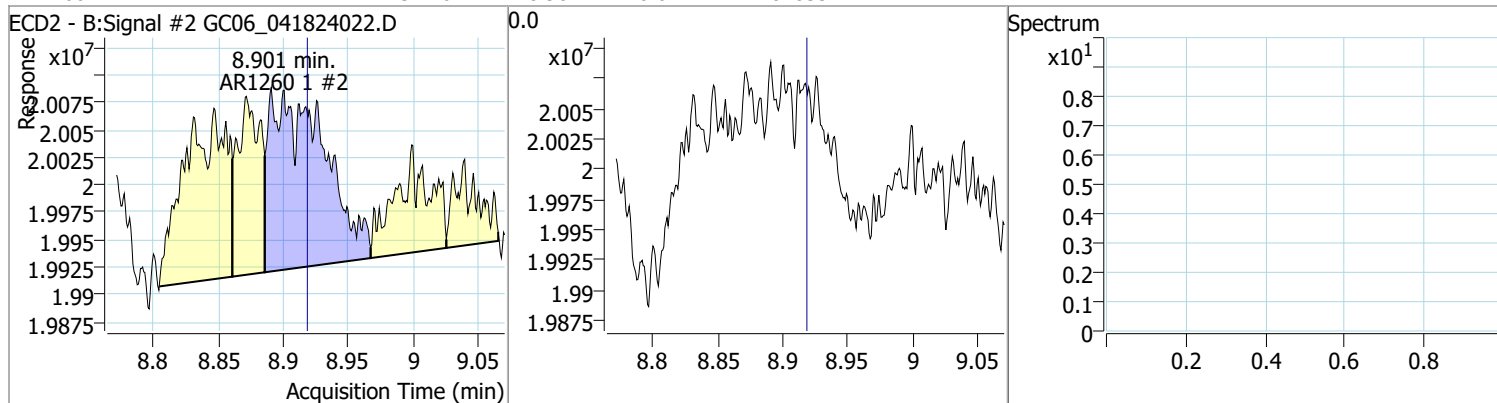
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 2.4393 | 8.02 | 0.00     | 36292 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 3 | 41.1375 | 8.64 | 0.07     | 645062 |      |        |       |       |



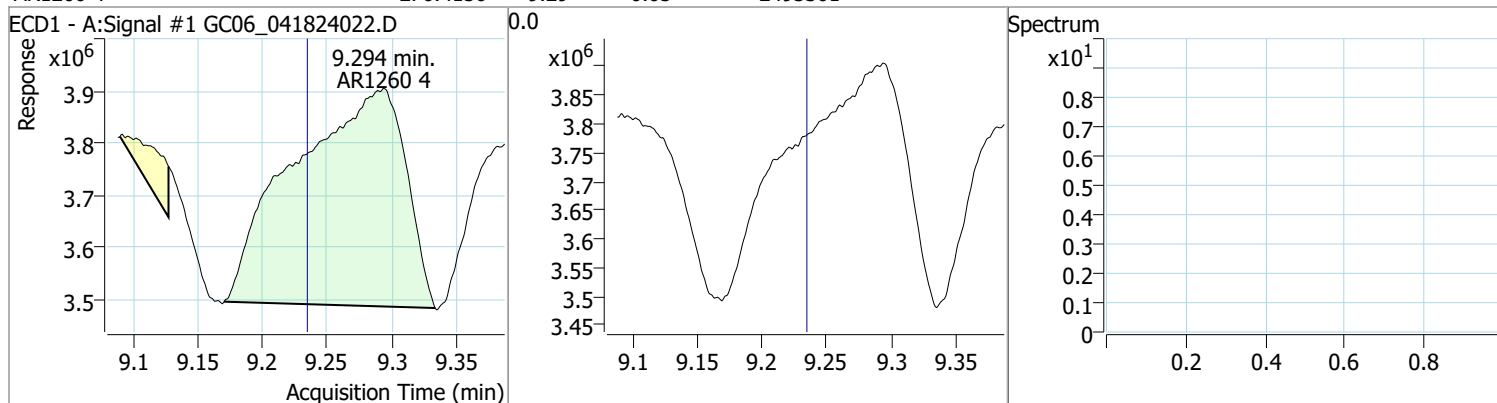
| Compound    | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|--------|------|----------|--------|------|--------|-------|-------|
| AR1260 1 #2 | 3.2162 | 8.90 | -0.02    | 487833 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

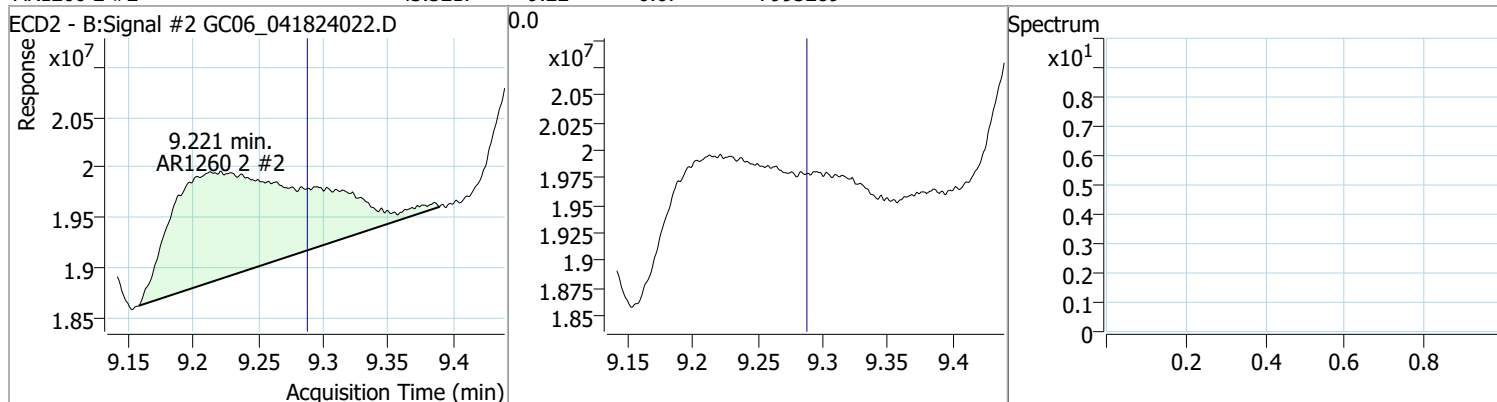
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 4 276.4150 9.29 0.05 2493301



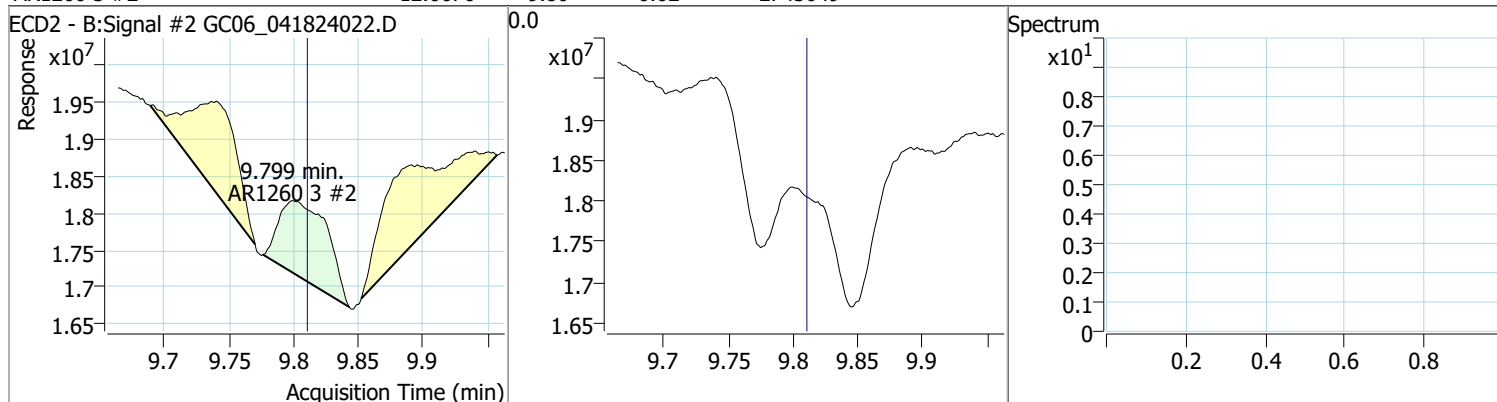
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 2 #2 43.3217 9.22 -0.07 7993289



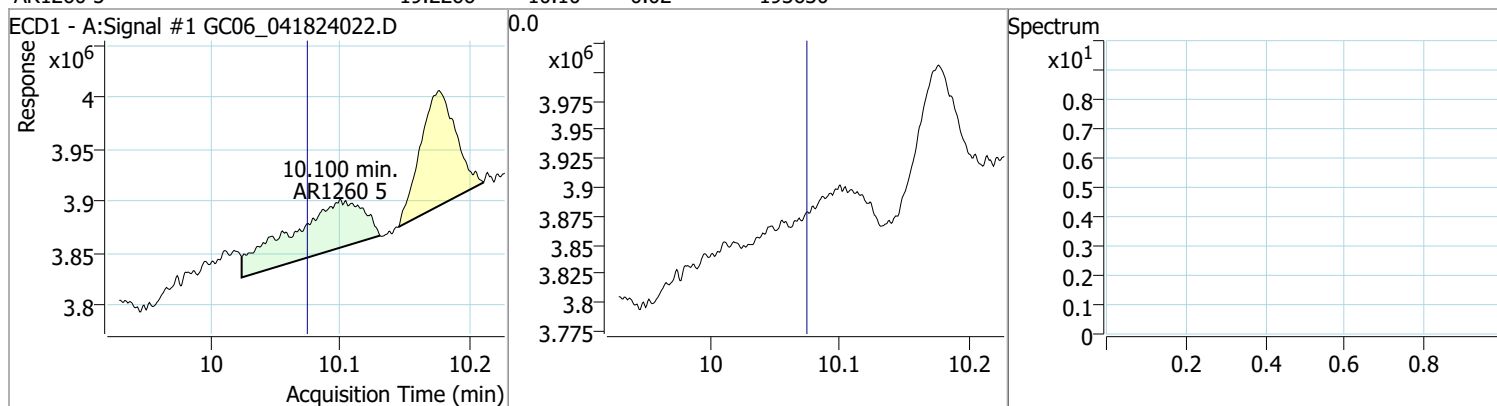
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 3 #2 12.0676 9.80 -0.02 2745649

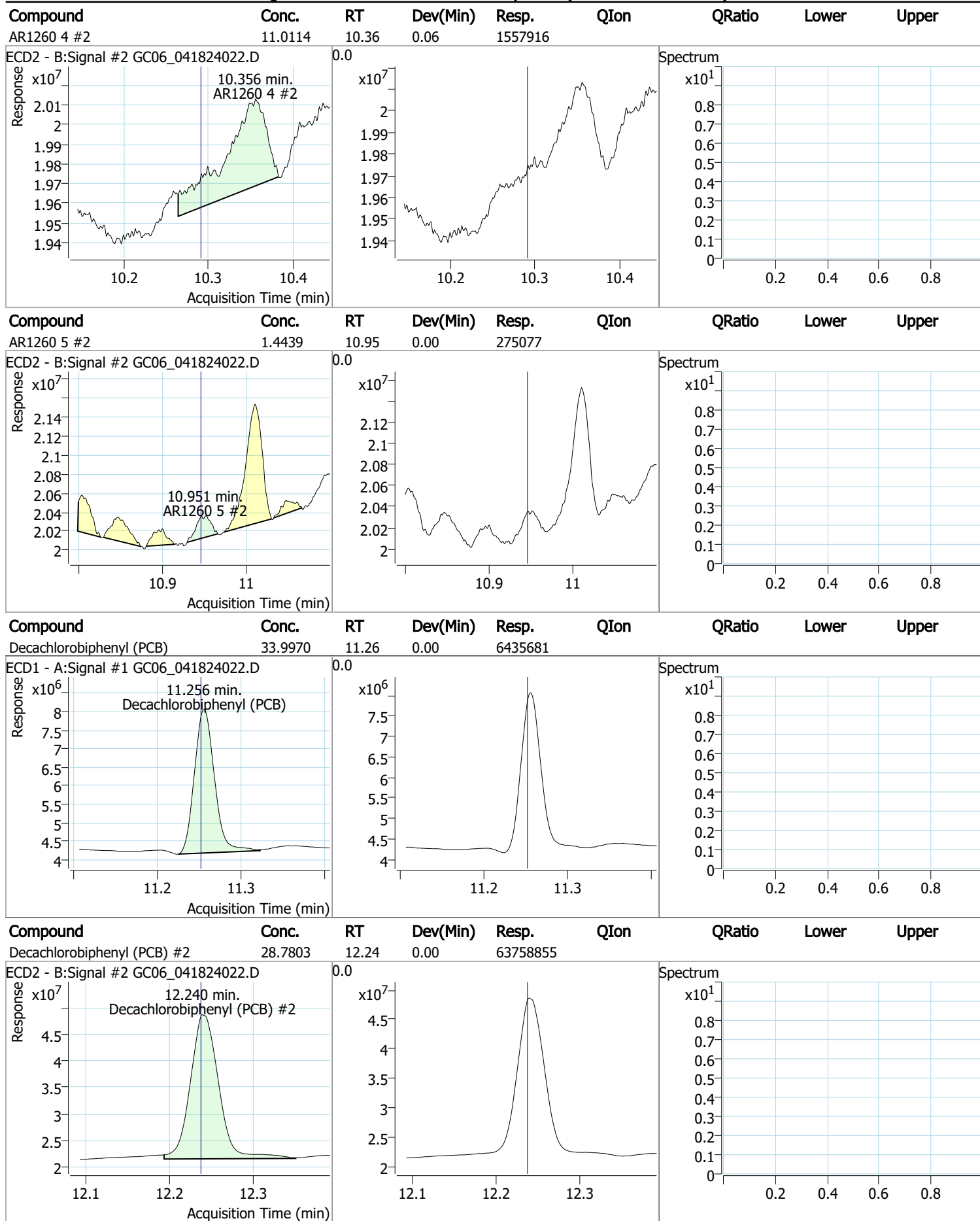


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 5 19.2266 10.10 0.02 193630



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                             |
|----------------------|----------------------|---------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-013   | Client ID: ARCH-C14E-EXT-3 TO 4-240412-P-WF |
| Seqnum: 454157500023 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                      |
| File: gc06_041824023 | Batch: 338024        | Time: 18-APR-2024 15:55                     |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                             |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                               |

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

| Analyte               | Ch | Raw   | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 62.78 | 0.63 <sup>FP</sup> | 0.85 | 30%  | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | B  | 106.5 | 1.06               | 0.62 | 53%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 52.28 | 0.52               | 0.91 | 54%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 29.96 | 0.30               | 1.90 | 145% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 7.193 | 0.07               | 0.16 | 75%  |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 118.0 | 1.18               | 0.64 | 59%  |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 22.43 | ND                 | 0.72 | 105% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 31.36 | 0.31               | 0.02 | 182% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 53.67 | 0.54               | 0.02 | 184% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 14.30 | 0.14               | 0.47 | 107% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 10.70 | 0.11               | 3.03 | 186% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 2.131 | 0.02               | 0.08 | 117% |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 37.31 | 0.5000 | 0.3731 | 75   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 30.85 | 0.5000 | 0.3085 | 62   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 50438067     | 14.33  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3063837      | 0.41   |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91      | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use x=false positive

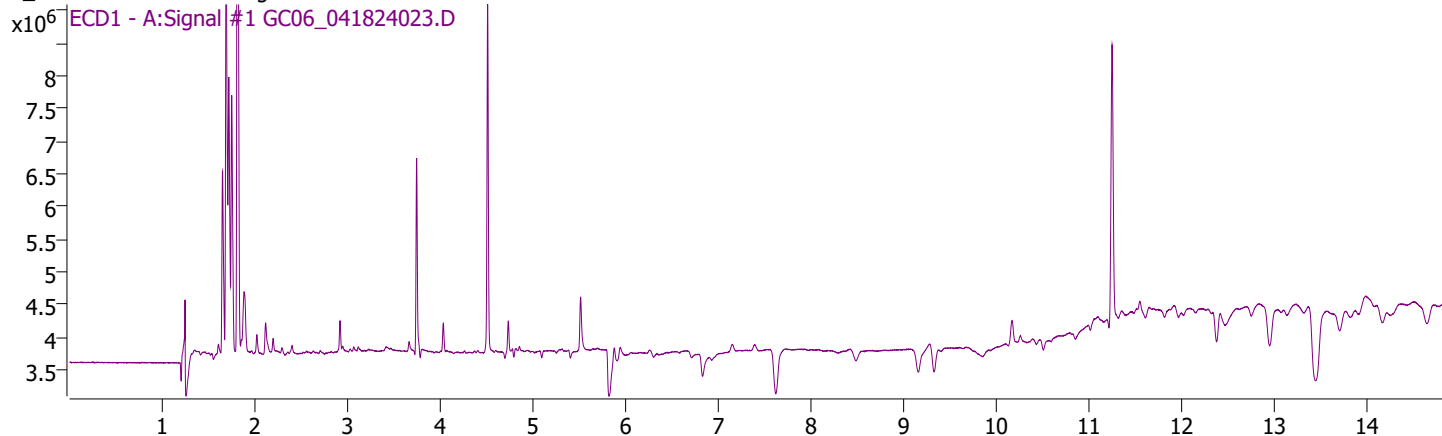
**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

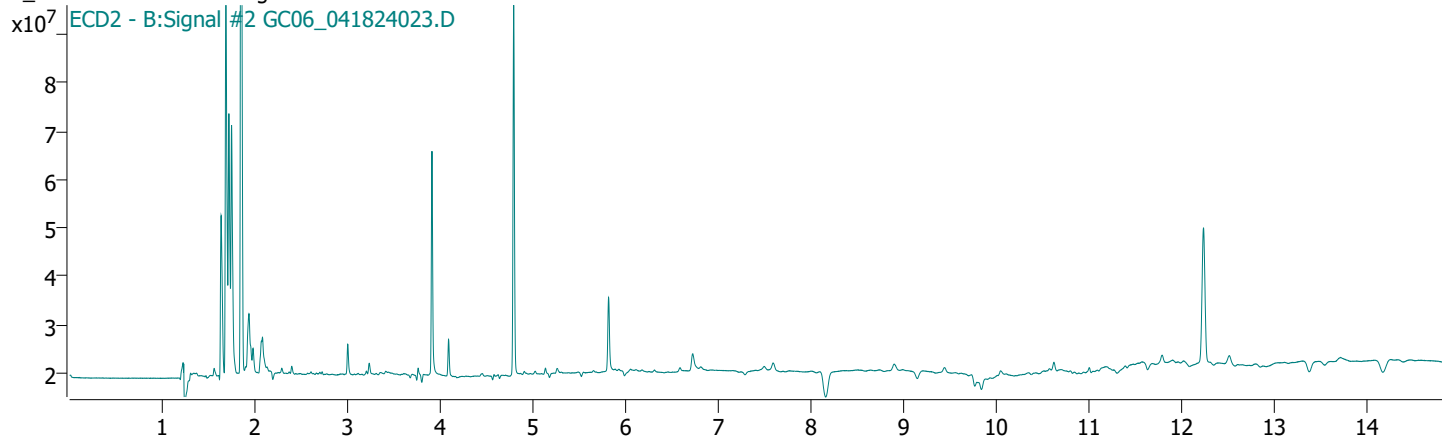
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824023.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 3:55:24 PM  |
| Sample Name    | 506093-013, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 10                       | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824023.D No MS Signals



GC06\_041824023.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.748                | 0.0  | 3063837.15<br>3  | 20.0000            | ng/ml | -0.003   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 50438067.4<br>63 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.514                | 0.0  | 5470501.42<br>7  | 39.6594            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 198.30% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 81611486.3<br>00 | 37.3142            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 186.57% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.257               | 0.0  | 7212546.06<br>8  | 39.5442            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 197.72% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.244               | 0.0  | 63618817.1<br>15 | 30.8542            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 154.27% | *     |          |

## Target Compounds

QValue

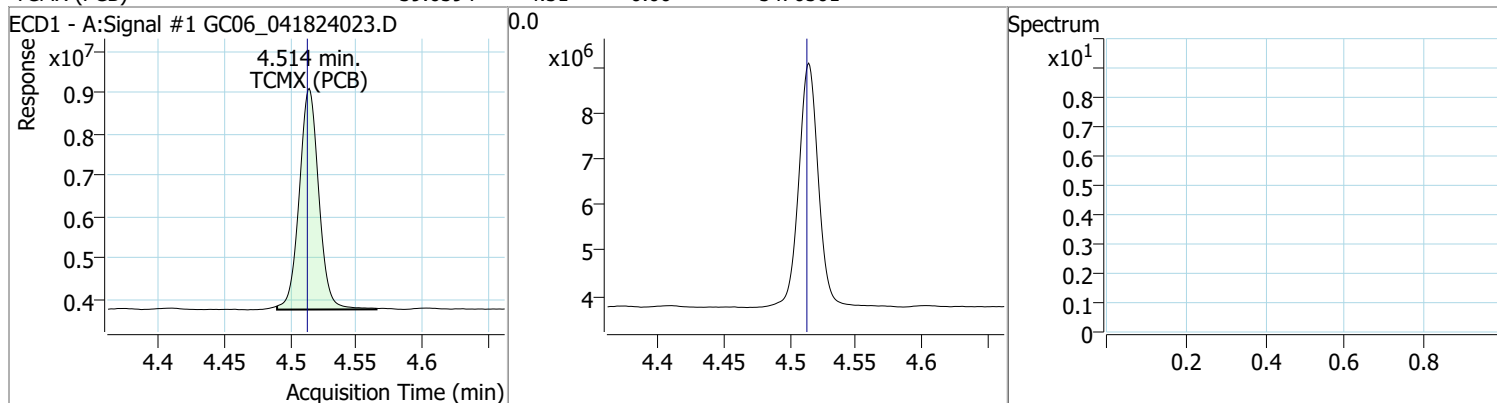
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.       | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-------------|----------|-------|----------|
| T AR1016 1    | 4.821  | 0.0  | 203227.962  | 61.7043  | ng/ml | 100      |
| T AR1016 2    | 5.163  | 0.0  | 579554.421  | 91.4021  | ng/ml | 100      |
| T AR1016 1 #2 | 5.264  | 0.0  | 4961626.154 | 106.4550 | ng/ml | 100      |
| T AR1016 3    | 5.518  | 0.0  | 1474011.632 | 189.5190 | ng/ml | 100      |
| T AR1016 2 #2 | 5.658  | 0.0  | 4874500.769 | 52.2777  | ng/ml | 100      |
| T AR1016 4    | 5.701  | 0.0  | 87308.705   | 15.8998  | ng/ml | 100      |
| T AR1016 5    | 6.067  | 0.0  | 295285.869  | 64.1846  | ng/ml | 100      |
| T AR1016 3 #2 | 6.058  | 0.0  | 3868628.364 | 29.9551  | ng/ml | 100      |
| T AR1016 4 #2 | 6.180  | 0.0  | 614065.207  | 7.1931   | ng/ml | 100      |
| T AR1016 5 #2 | 6.729  | 0.0  | 8432786.581 | 118.0043 | ng/ml | 100      |
| T AR1260 1    | 7.400  | 0.0  | 14203.339   | 1.5158   | ng/ml | 100      |
| T AR1260 2    | 8.031  | 0.0  | 32687.704   | 2.2803   | ng/ml | 100      |
| T AR1260 3    | 8.633  | 0.0  | 714189.744  | 47.2714  | ng/ml | 100      |
| T AR1260 1 #2 | 8.906  | 0.0  | 4426864.246 | 31.3577  | ng/ml | 100      |
| T AR1260 4    | 9.286  | 0.0  | 2634676.692 | 303.1533 | ng/ml | 100      |
| T AR1260 2 #2 | 9.217  | 0.0  | 9216864.220 | 53.6707  | ng/ml | 100      |
| T AR1260 3 #2 | 9.798  | 0.0  | 3028922.474 | 14.3034  | ng/ml | 100      |
| T AR1260 5    | 10.103 | 0.0  | 79054.802   | 8.1471   | ng/ml | 100      |
| T AR1260 4 #2 | 10.351 | 0.0  | 1409394.108 | 10.7030  | ng/ml | 100      |
| T AR1260 5 #2 | 10.948 | 0.0  | 377852.319  | 2.1310   | ng/ml | 100      |

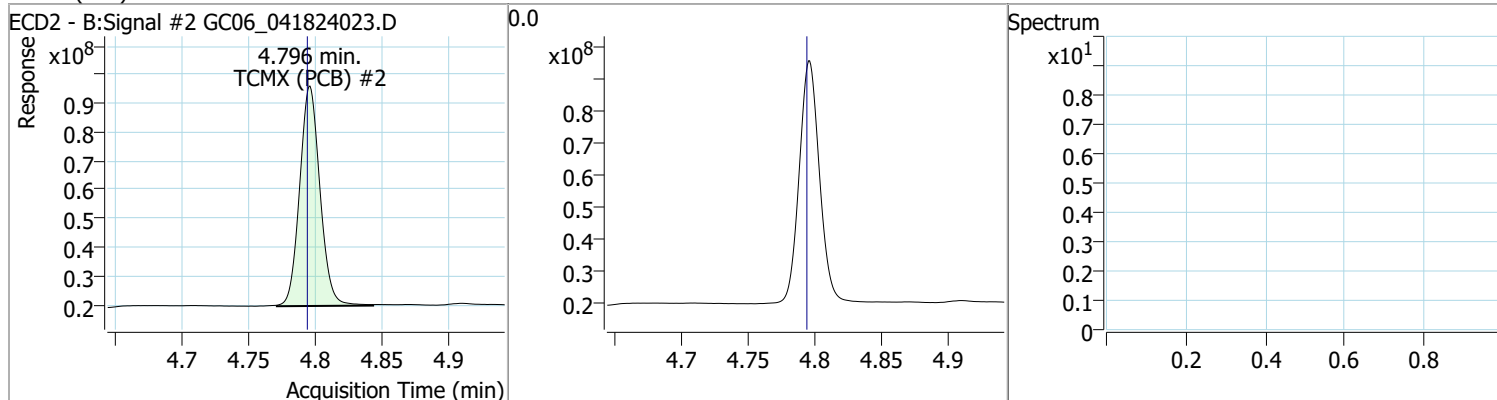
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

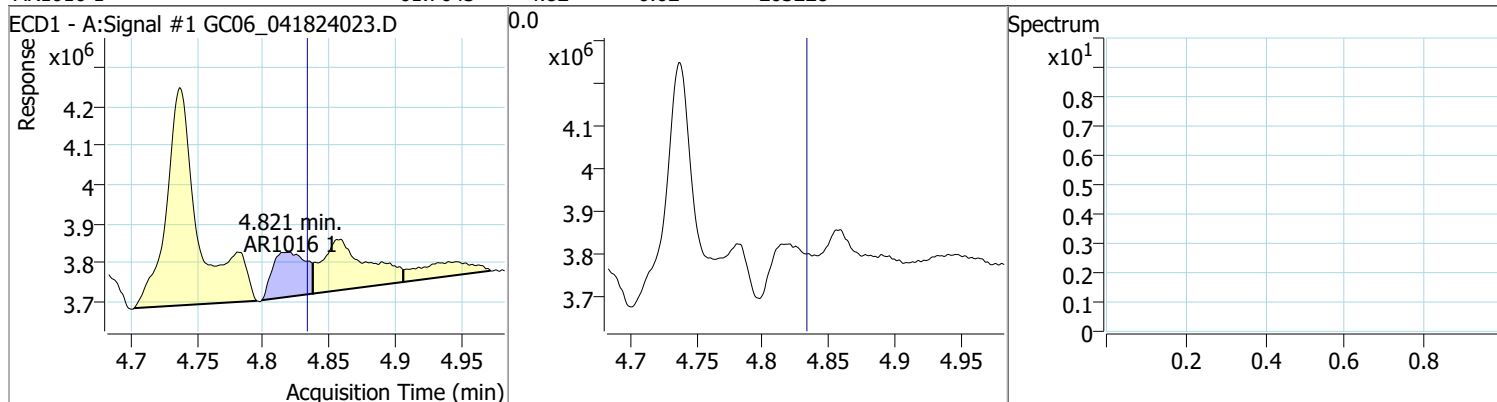
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 39.6594 | 4.51 | 0.00     | 5470501 |      |        |       |       |



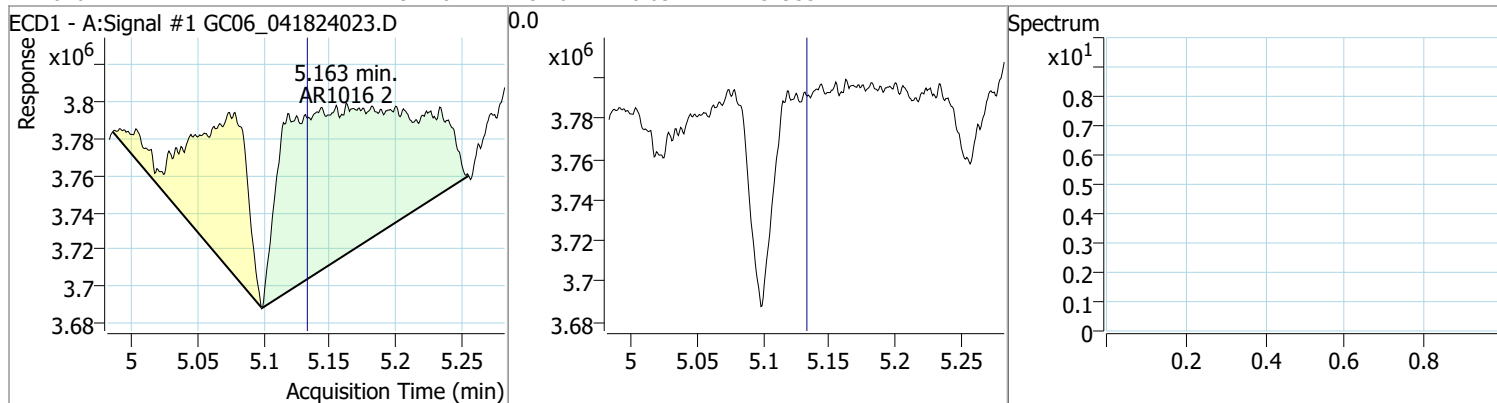
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 37.3142 | 4.80 | 0.00     | 81611486 |      |        |       |       |



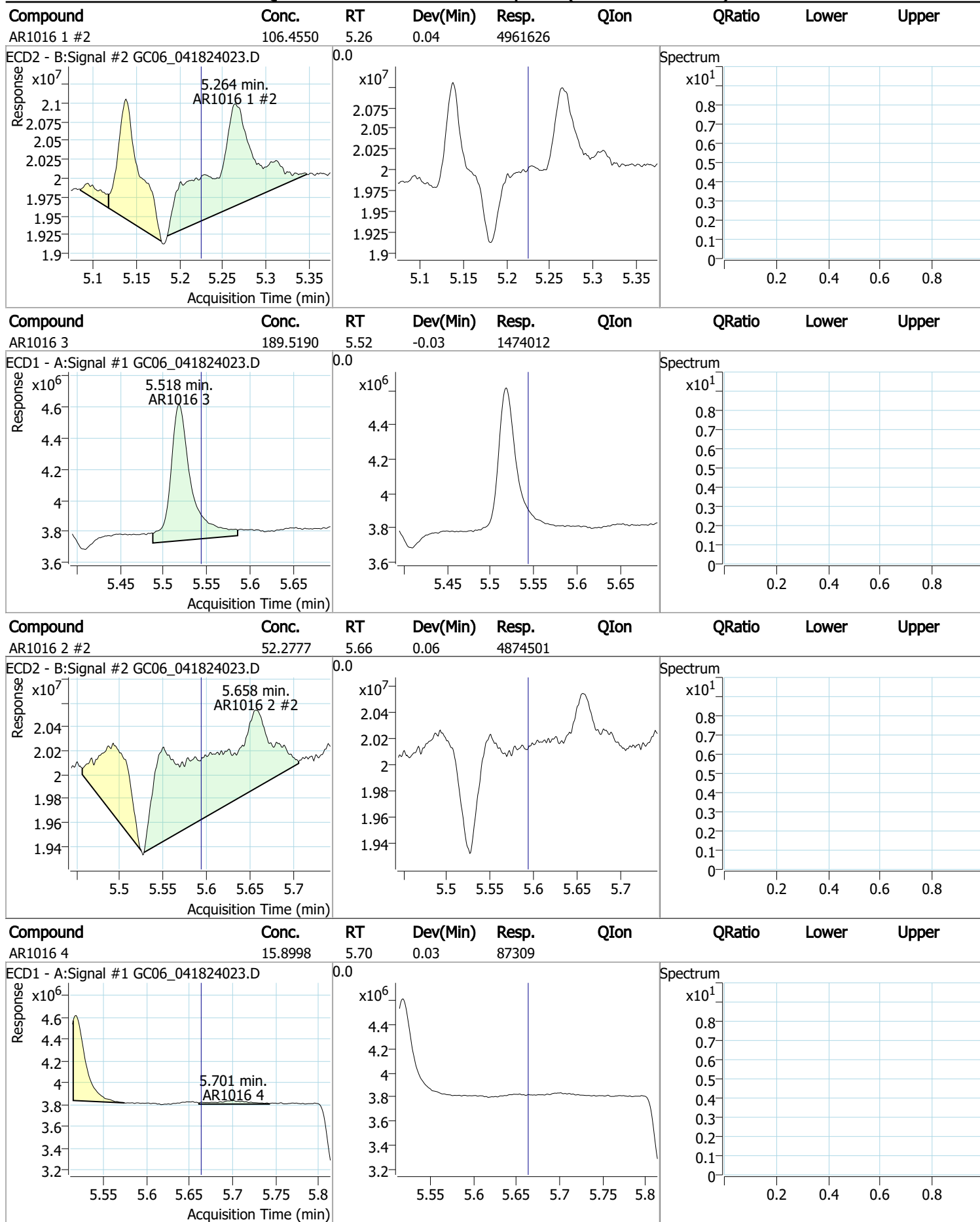
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 61.7043 | 4.82 | -0.02    | 203228 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 91.4021 | 5.16 | 0.03     | 579554 |      |        |       |       |

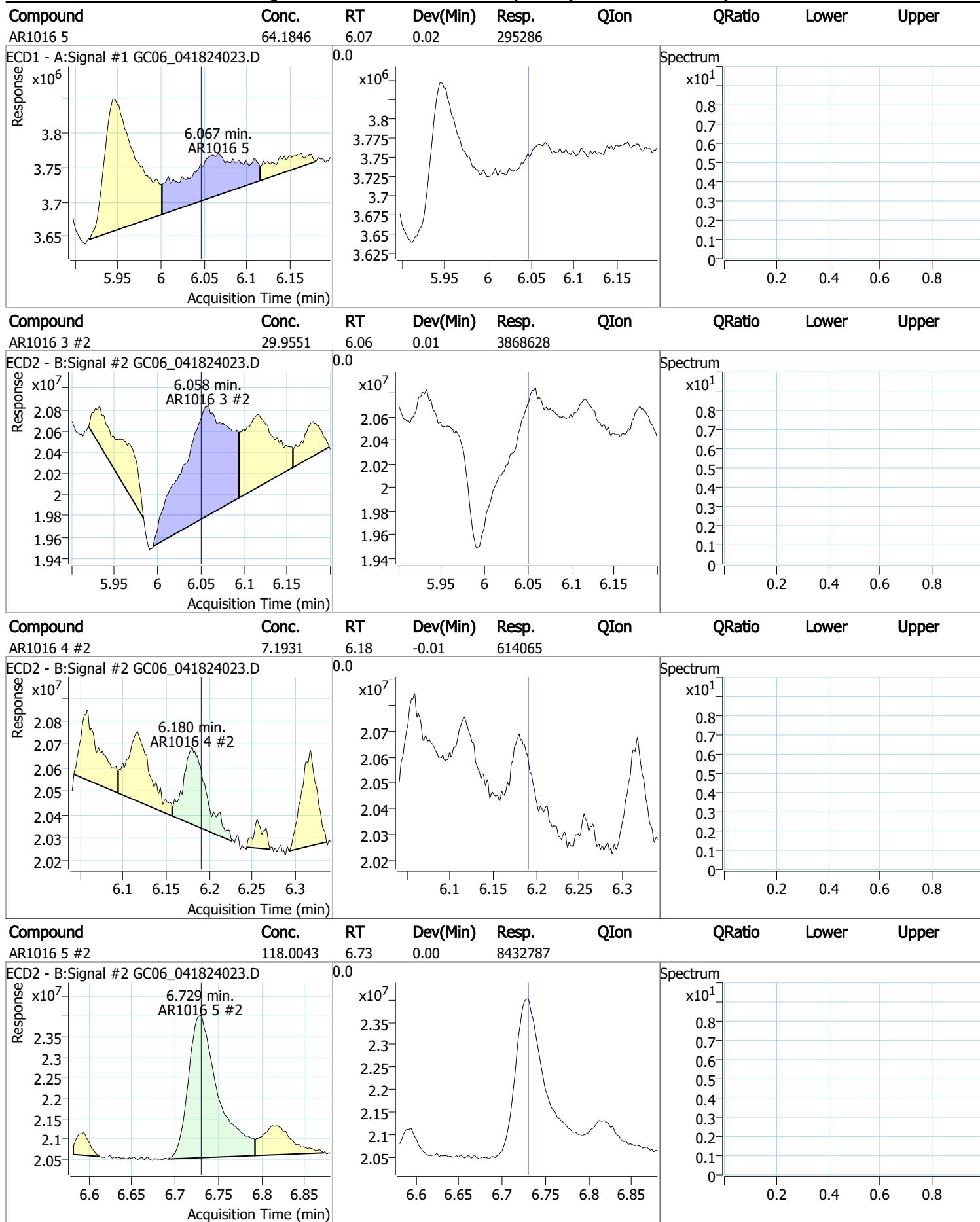


# Quantitation Results Report (Not Reviewed)

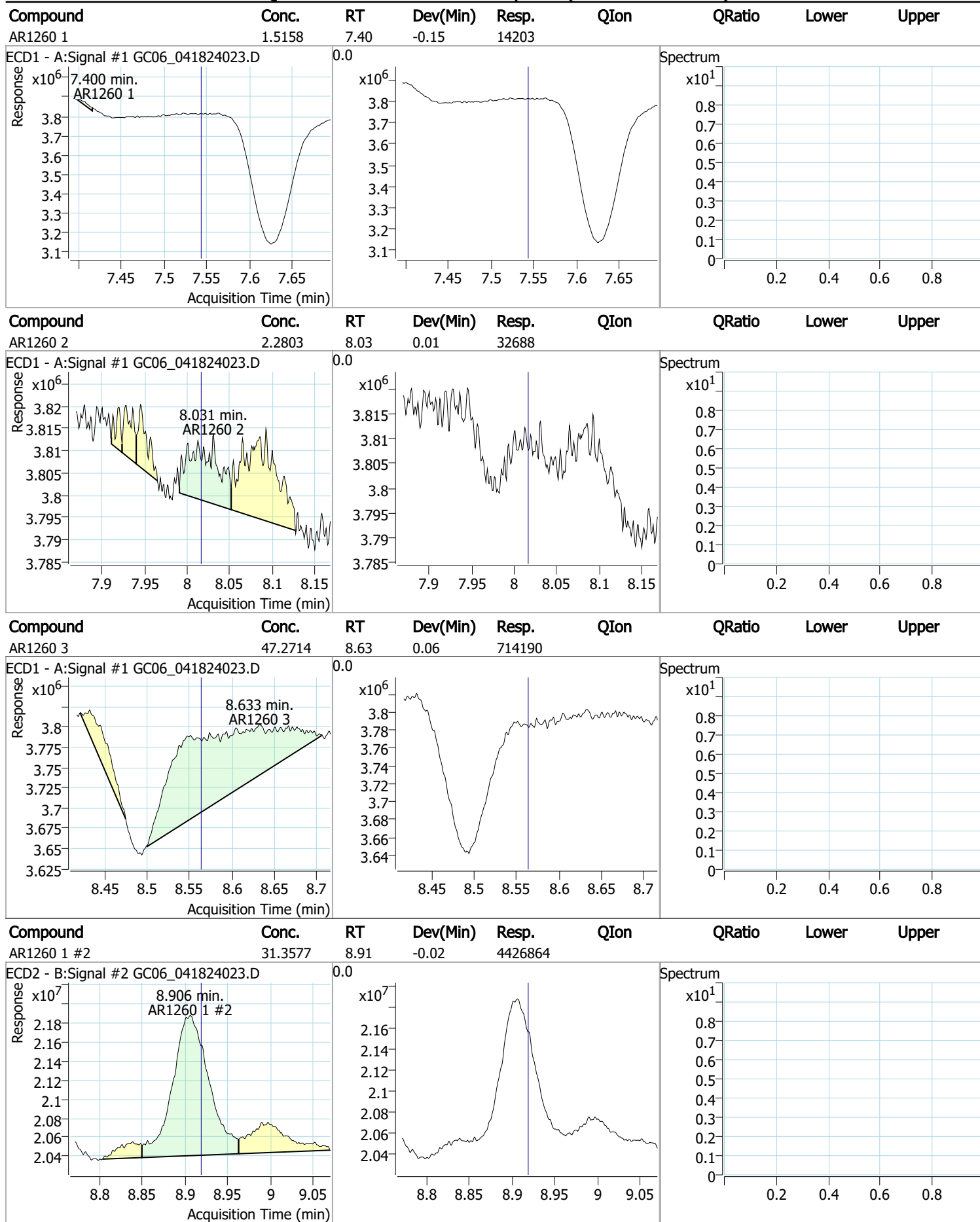




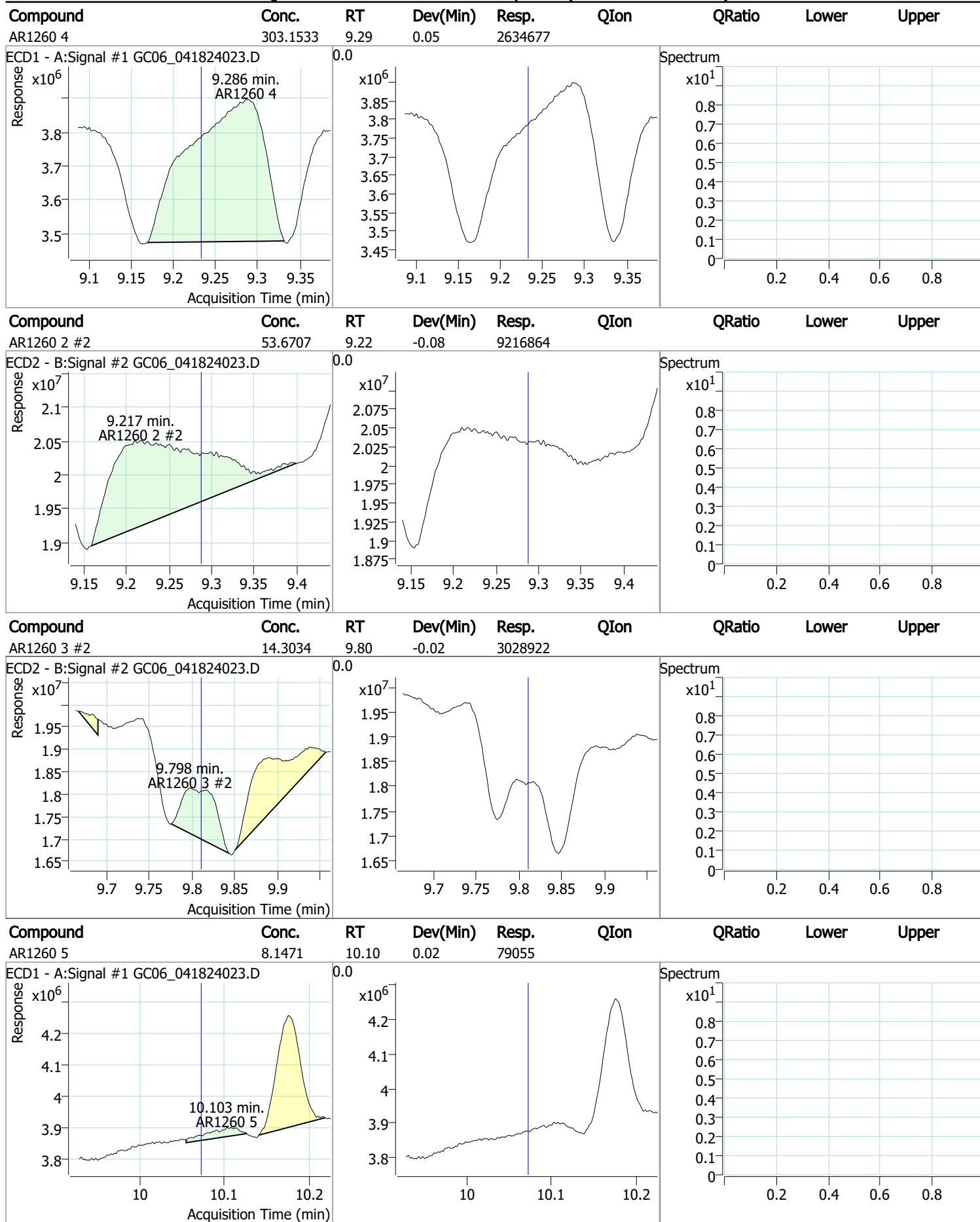
# Quantitation Results Report (Not Reviewed)



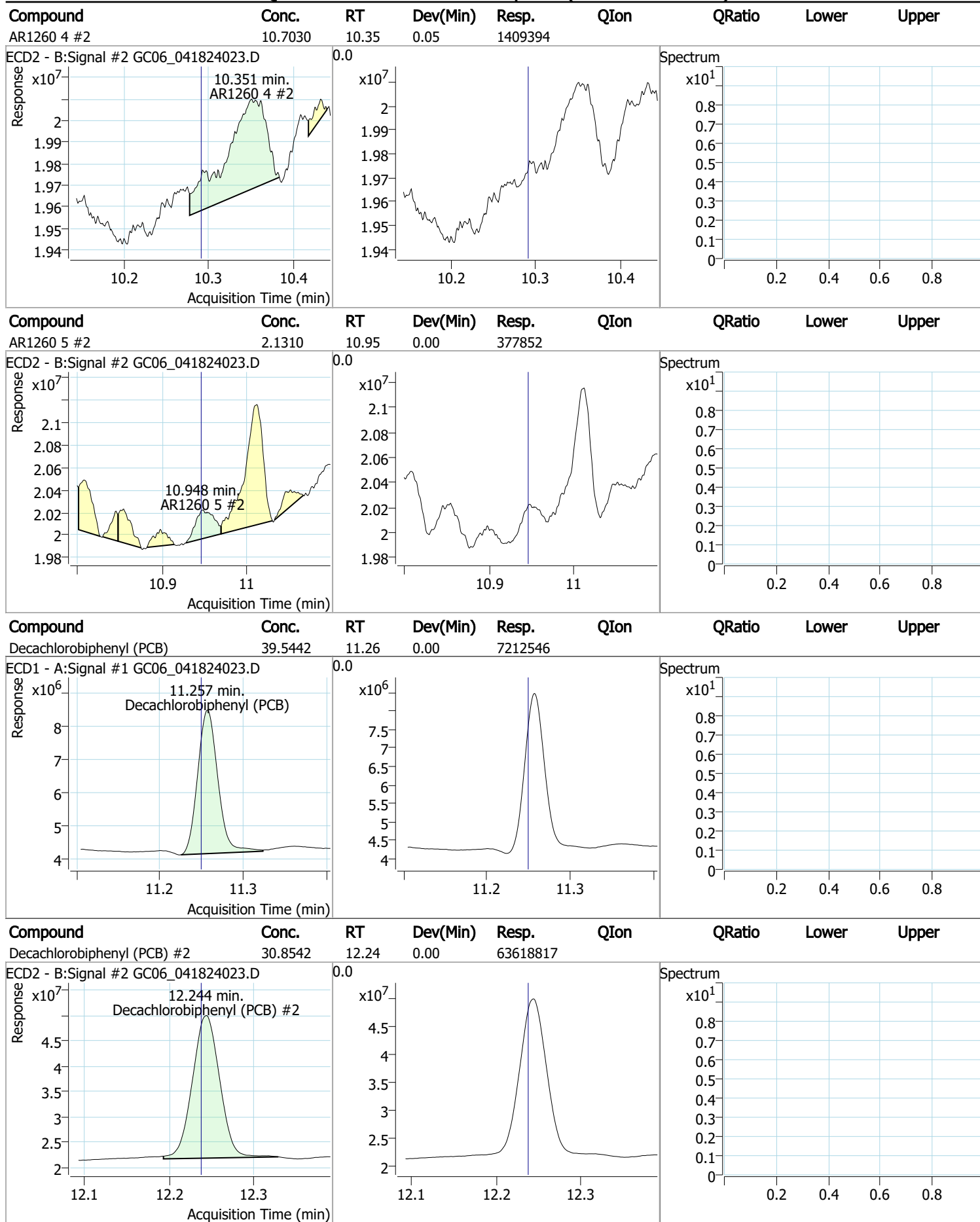
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                        |
|----------------------|----------------------|----------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-015   | Client ID: ARCH-C14E-PS-3.5-240412-P-G |
| Seqnum: 454157500024 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                 |
| File: gc06_041824024 | Batch: 338024        | Time: 18-APR-2024 16:16                |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                        |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                          |

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

| Analyte               | Ch | Raw   | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 54.26 | 0.54 <sup>FP</sup> | 0.64 | 17%  | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | B  | 135.7 | 1.36               | 0.72 | 61%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 9.249 | 0.09               | 0.24 | 89%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 30.84 | 0.31               | 1.80 | 142% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 4.915 | 0.05               | 0.07 | 33%  |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 90.54 | 0.91               | 0.36 | 85%  |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 18.92 | ND                 | 0.69 | 114% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 14.71 | 0.15               | ND   |      |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 48.43 | 0.48               | 0.04 | 171% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 12.84 | 0.13               | 0.44 | 110% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 14.71 | 0.15               | 2.91 | 181% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 3.926 | 0.04               | 0.07 | 61%  |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 34.14 | 0.5000 | 0.3414 | 68   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 30.93 | 0.5000 | 0.3093 | 62   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 52117647     | 18.14  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3102356      | 1.67   |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.92      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

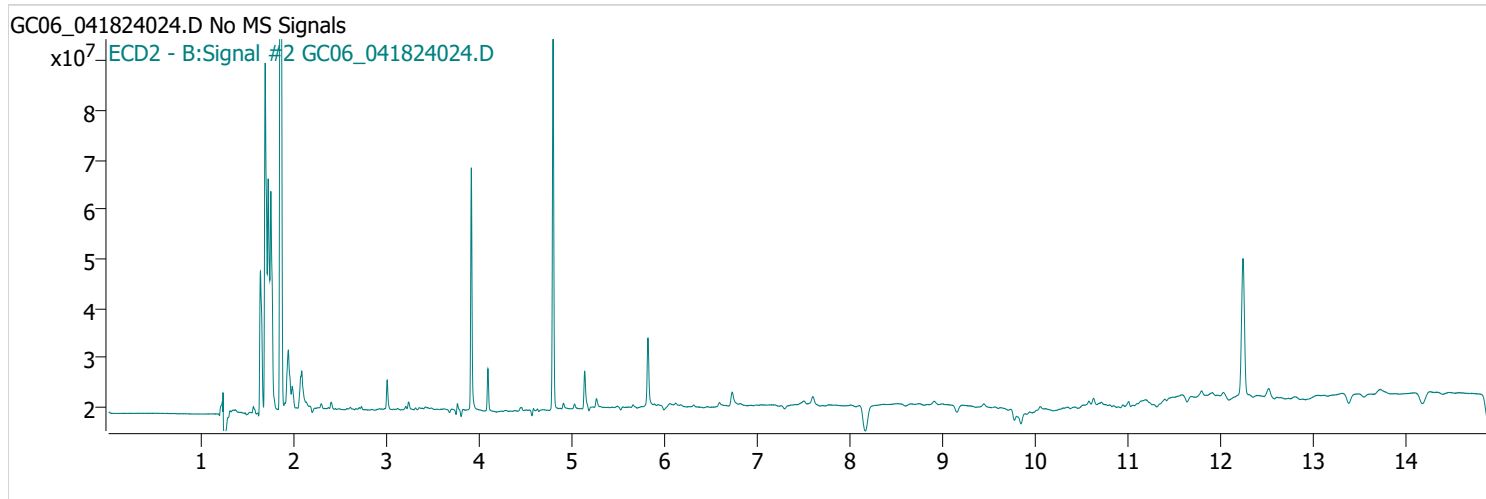
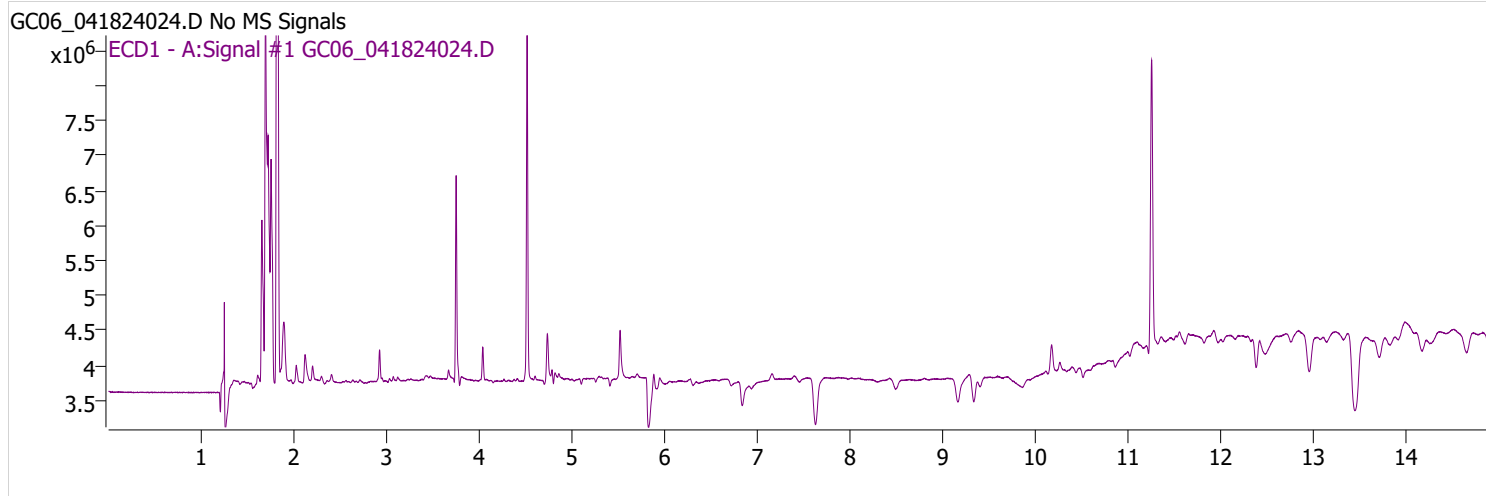
u=use x=false positive

**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824024.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 4:16:30 PM  |
| Sample Name    | 506093-015, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 11                       | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.752                | 0.0  | 3102356.32<br>5  | 20.0000            | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.916                | 0.0  | 52117646.5<br>54 | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.518                | 0.0  | 5069171.08<br>7  | 36.2936            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 181.47% | *     |          |
| S TCMX (PCB) #2                    | 4.798                | 0.0  | 77145339.6<br>80 | 34.1355            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 170.68% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 7002911.69<br>2  | 37.9182            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 189.59% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.245               | 0.0  | 65907780.3<br>56 | 30.9342            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 154.67% | *     |          |

## Target Compounds

QValue

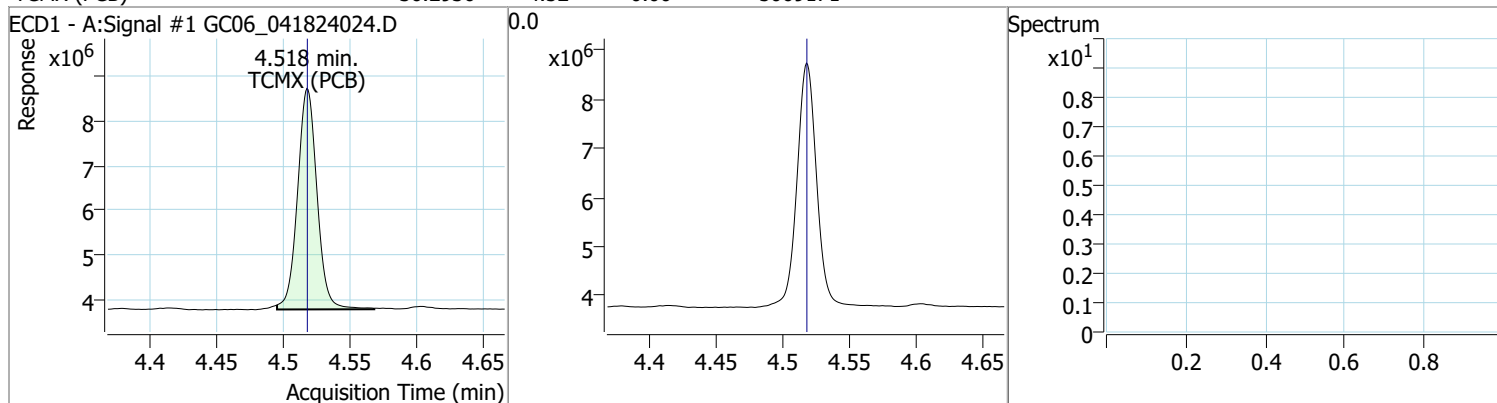
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.           | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-----------------|----------|-------|----------|
| T AR1016 1    | 4.818  | 0.0  | 241651.347      | 72.4594  | ng/ml | 100      |
| T AR1016 2    | 5.080  | 0.0  | 155174.754      | 24.1689  | ng/ml | 100      |
| T AR1016 1 #2 | 5.266  | 0.0  | 6536863.89<br>6 | 135.7329 | ng/ml | 100      |
| T AR1016 3    | 5.522  | 0.0  | 1418852.41<br>7 | 180.1619 | ng/ml | 100      |
| T AR1016 2 #2 | 5.610  | 0.0  | 891144.996      | 9.2493   | ng/ml | 100      |
| T AR1016 4    | 5.654  | 0.0  | 37958.548       | 6.8268   | ng/ml | 100      |
| T AR1016 5    | 6.058  | 0.0  | 169784.509      | 36.4469  | ng/ml | 100      |
| T AR1016 3 #2 | 6.058  | 0.0  | 4116202.78<br>7 | 30.8450  | ng/ml | 100      |
| T AR1016 4 #2 | 6.175  | 0.0  | 433590.089      | 4.9153   | ng/ml | 100      |
| T AR1016 5 #2 | 6.731  | 0.0  | 6685241.16<br>9 | 90.5352  | ng/ml | 100      |
| T AR1260 1    | 0.000  |      | 0               | N.D.     |       |          |
| T AR1260 2    | 8.018  | 0.0  | 54106.332       | 3.7276   | ng/ml | 100      |
| T AR1260 3    | 8.653  | 0.0  | 679618.169      | 44.4246  | ng/ml | 100      |
| T AR1260 1 #2 | 8.913  | 0.0  | 2145547.95<br>0 | 14.7082  | ng/ml | 100      |
| T AR1260 4    | 9.293  | 0.0  | 2557606.56<br>5 | 290.6315 | ng/ml | 100      |
| T AR1260 2 #2 | 9.215  | 0.0  | 8593490.92<br>6 | 48.4281  | ng/ml | 100      |
| T AR1260 3 #2 | 9.803  | 0.0  | 2810073.42<br>8 | 12.8423  | ng/ml | 100      |
| T AR1260 5    | 10.118 | 0.0  | 72650.667       | 7.3942   | ng/ml | 100      |
| T AR1260 4 #2 | 10.353 | 0.0  | 2001402.43<br>7 | 14.7090  | ng/ml | 100      |
| T AR1260 5 #2 | 10.949 | 0.0  | 719351.829      | 3.9263   | ng/ml | 100      |

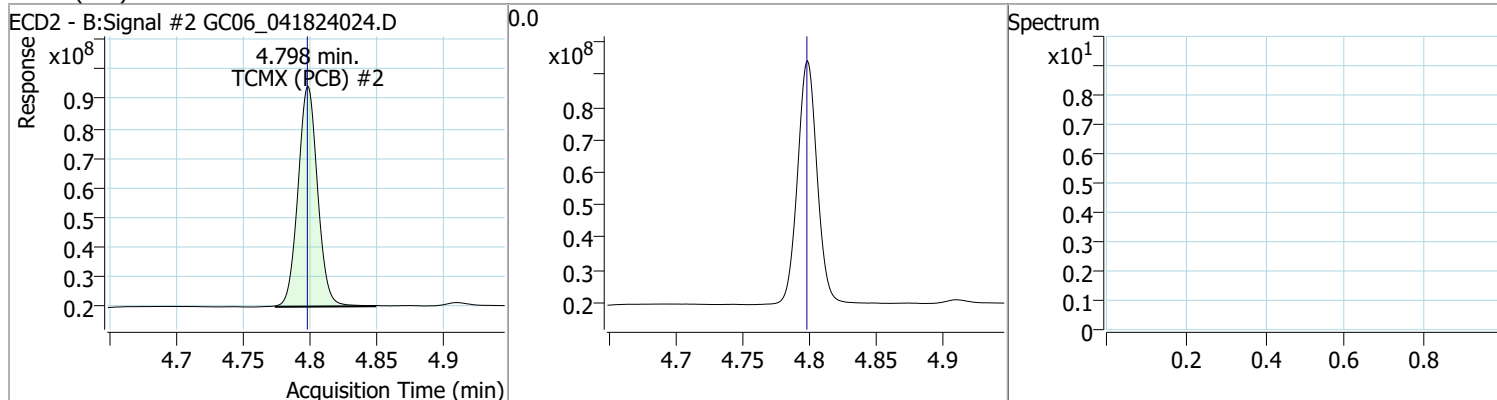
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

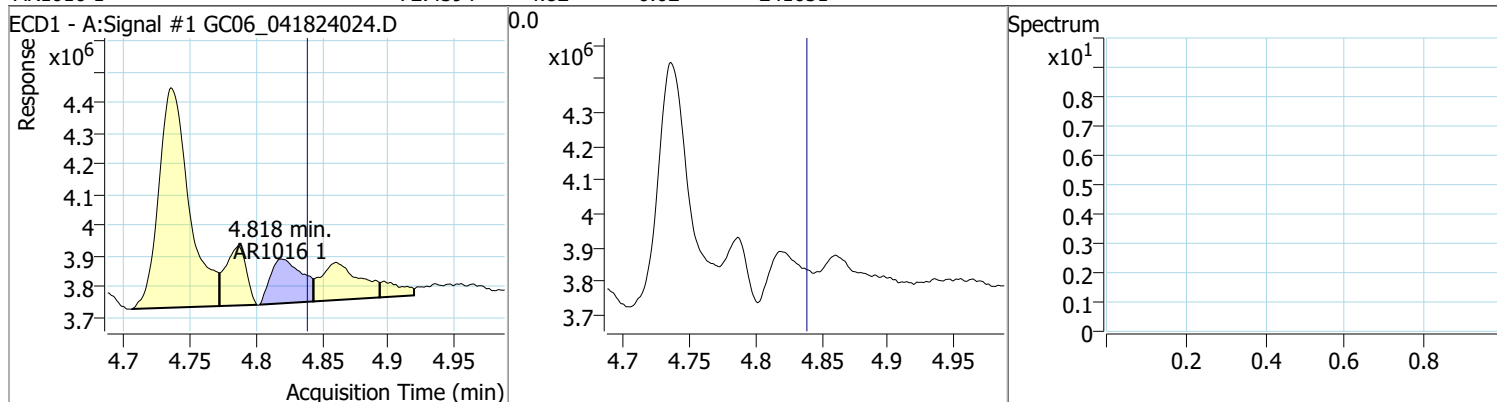
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 36.2936 | 4.52 | 0.00     | 5069171 |      |        |       |       |



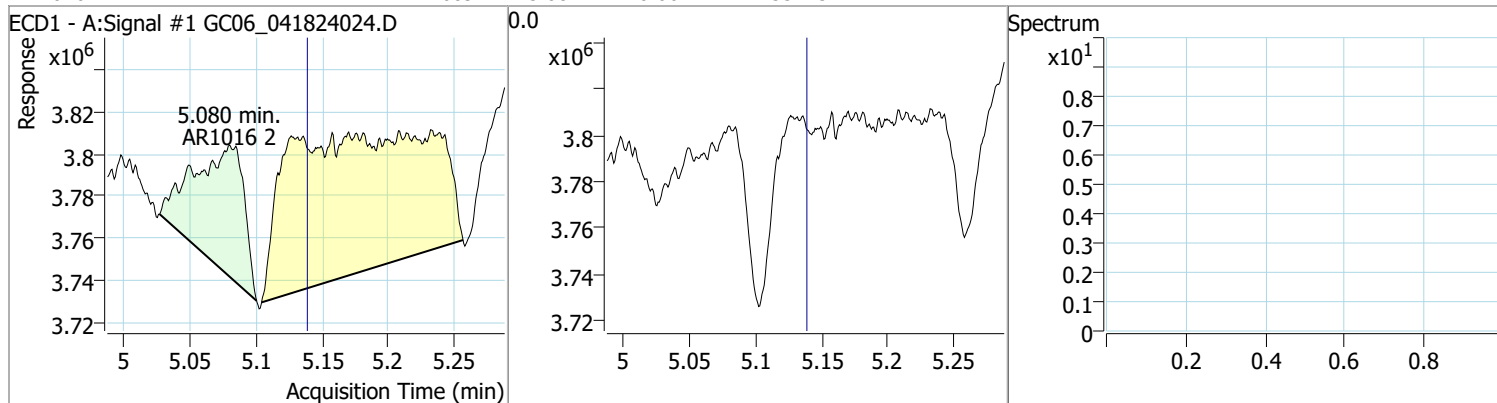
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 34.1355 | 4.80 | 0.00     | 77145340 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 72.4594 | 4.82 | -0.02    | 241651 |      |        |       |       |

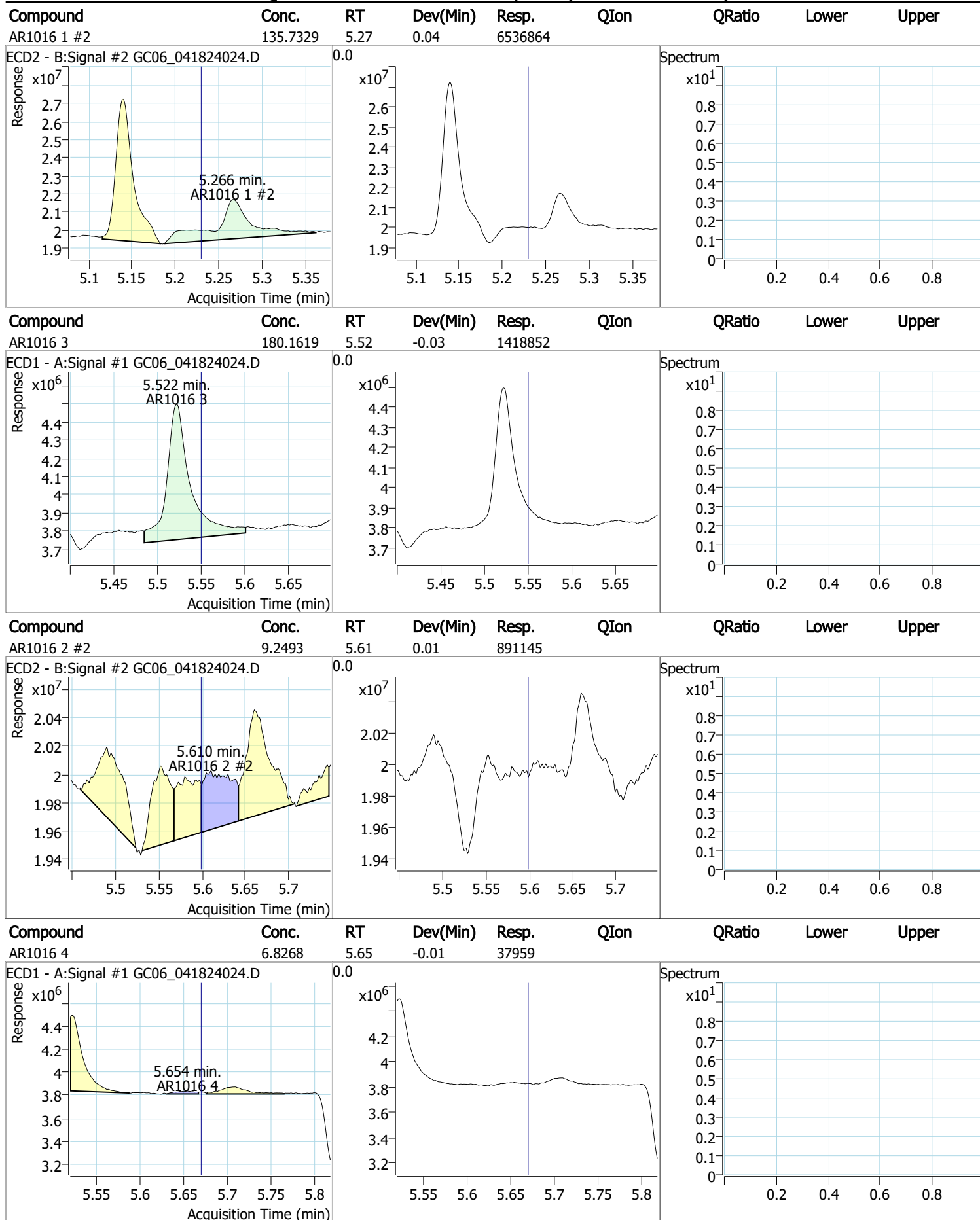


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 24.1689 | 5.08 | -0.06    | 155175 |      |        |       |       |

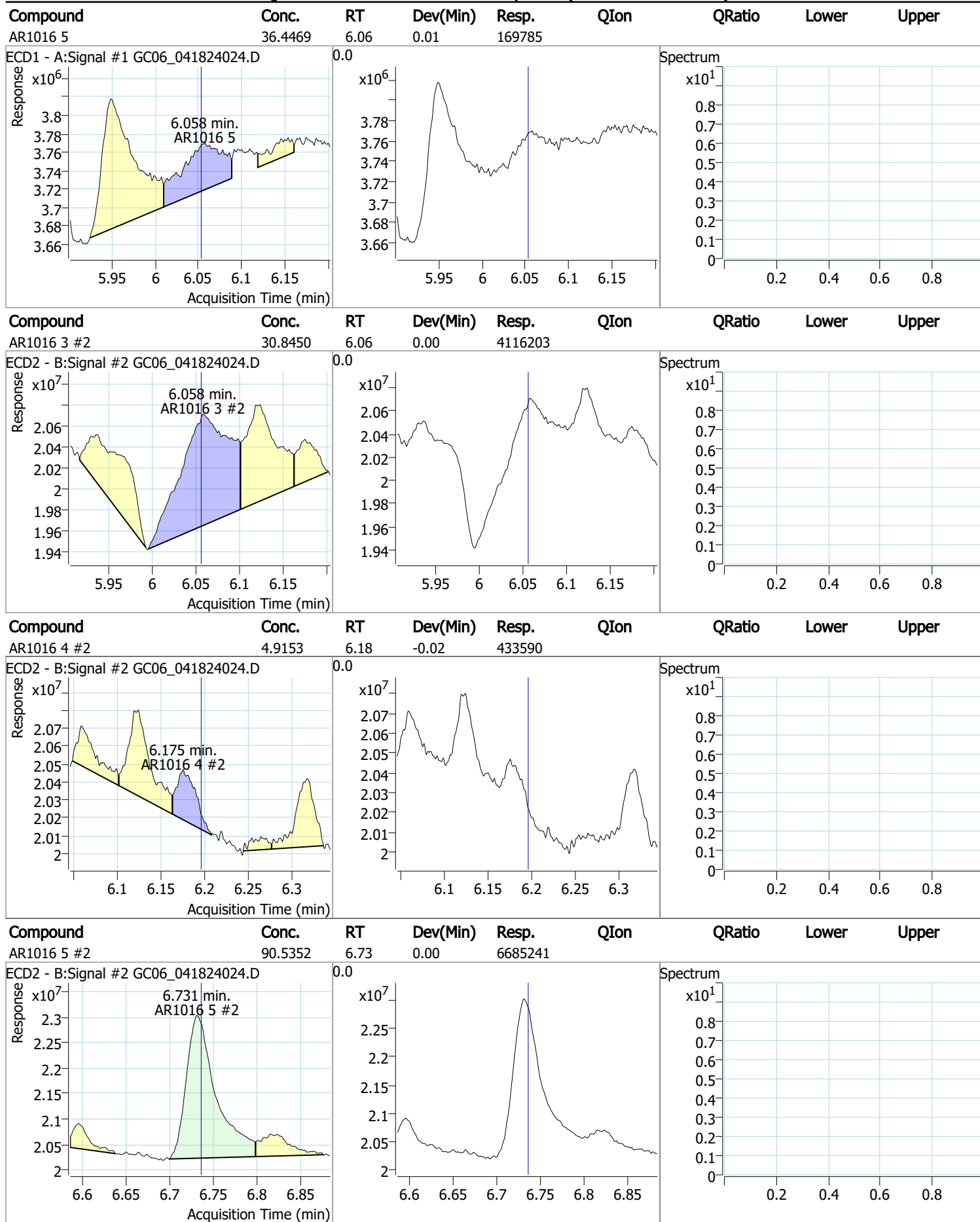




# Quantitation Results Report (Not Reviewed)

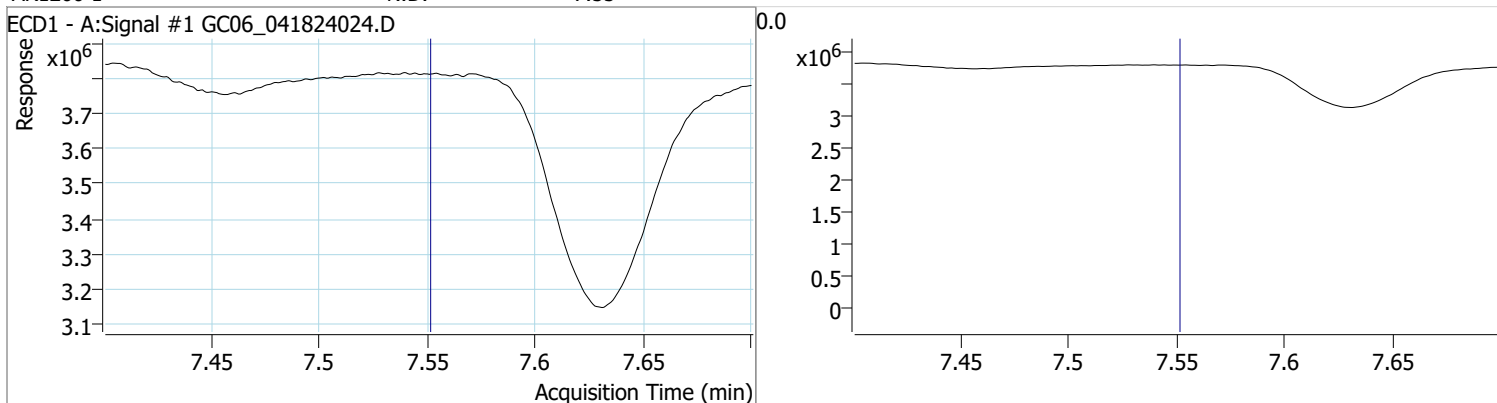


# Quantitation Results Report (Not Reviewed)

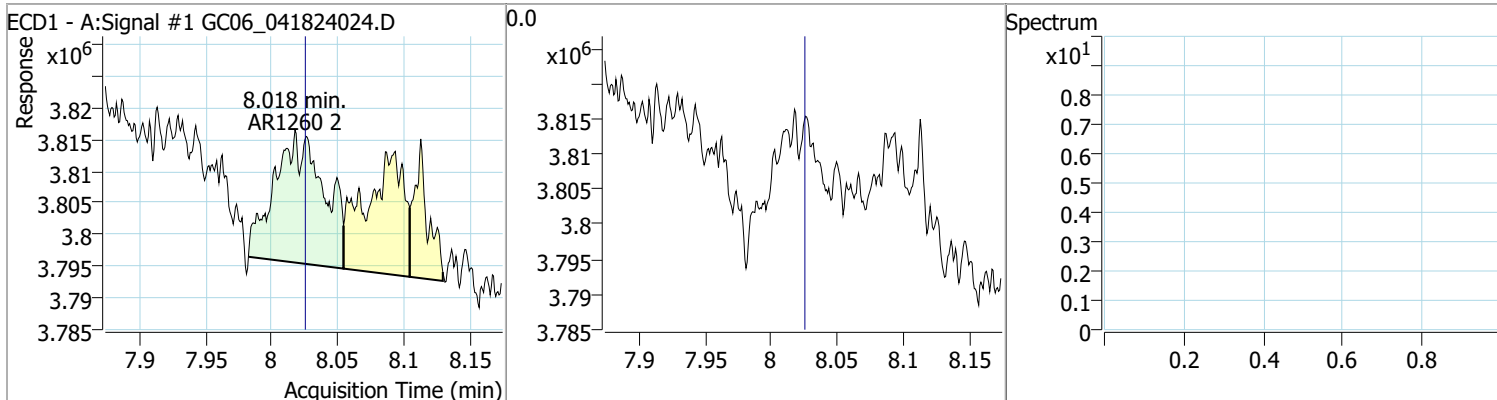


# Quantitation Results Report (Not Reviewed)

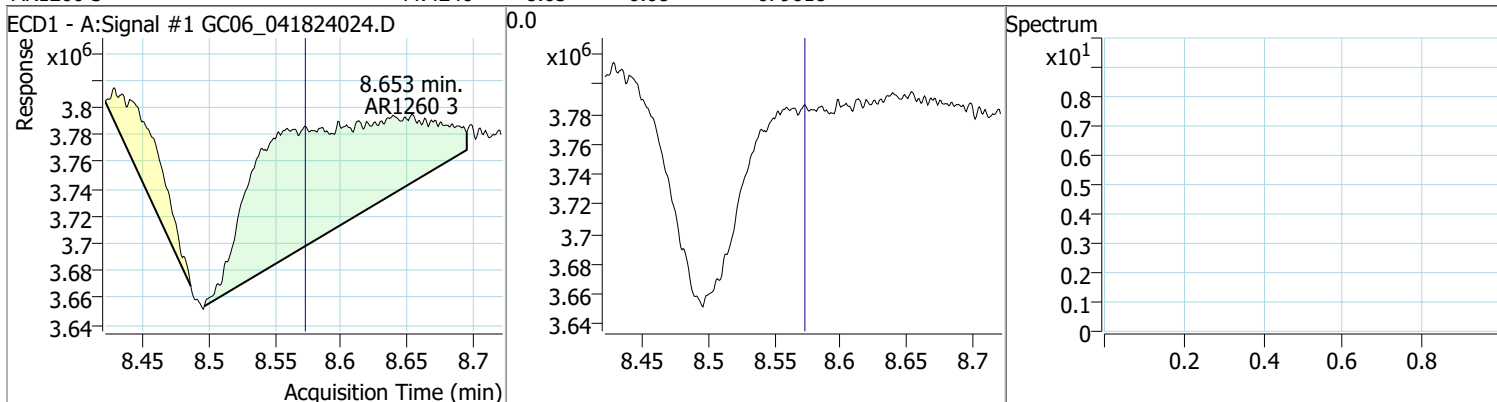
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| AR1260 1 | N.D.  | 7.55   |      |           |



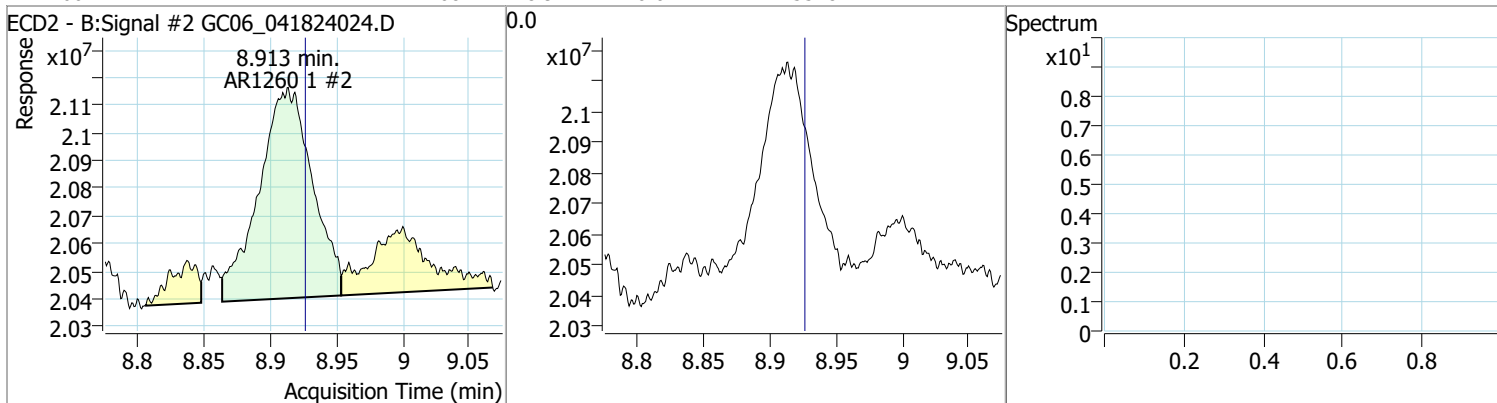
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1260 2 | 3.7276 | 8.02 | 0.00     | 54106 |      |        |       |       |



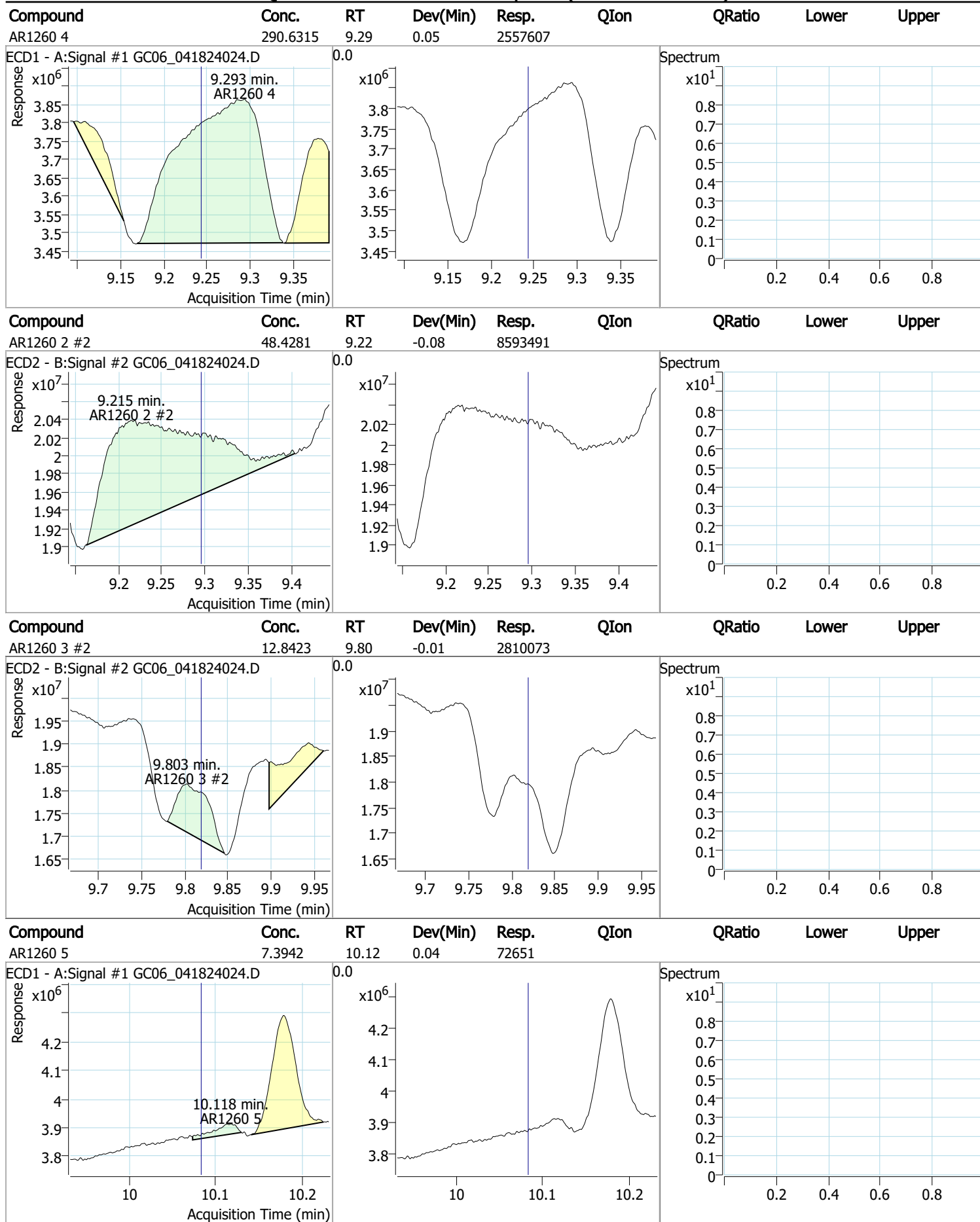
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 3 | 44.4246 | 8.65 | 0.08     | 679618 |      |        |       |       |



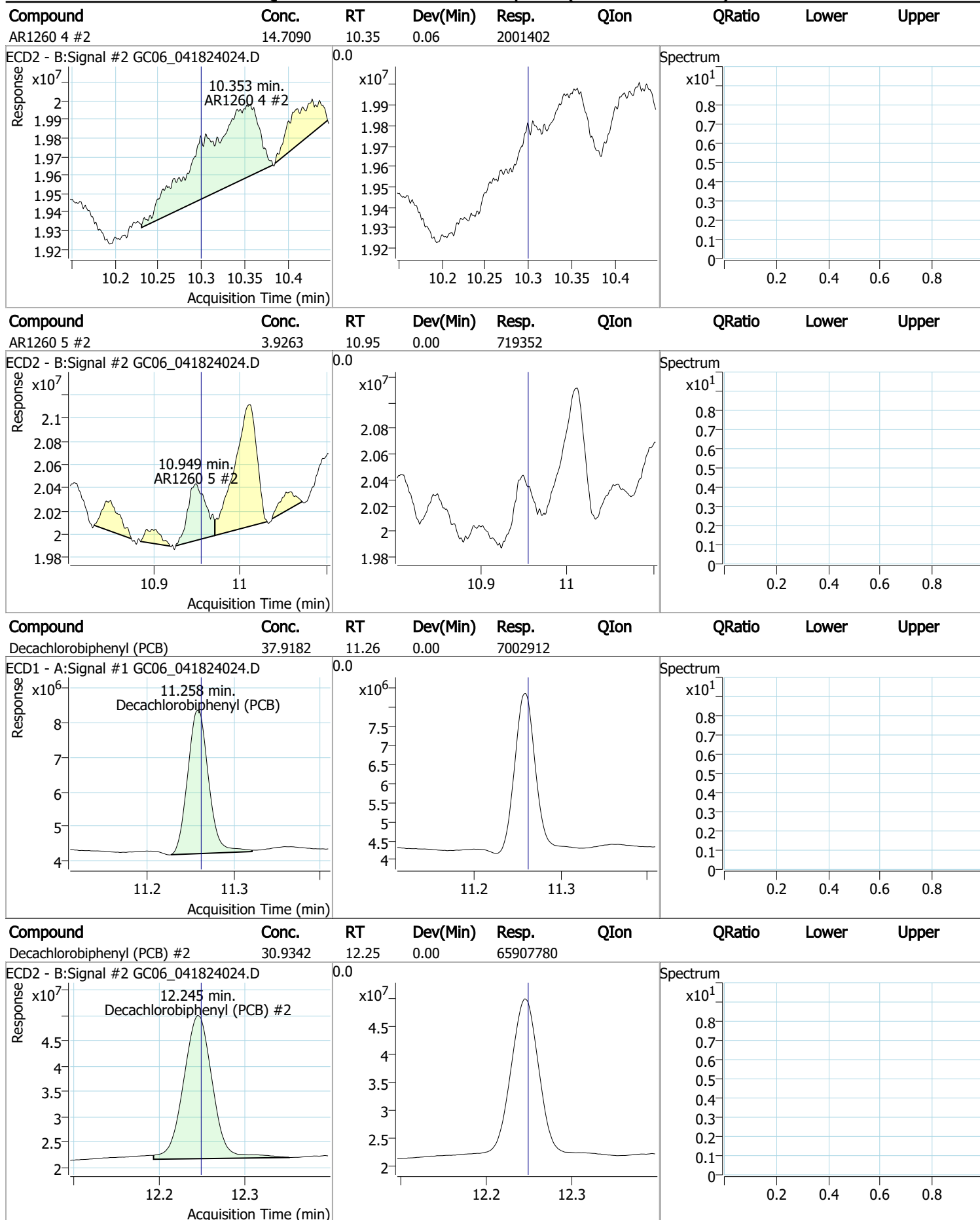
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 #2 | 14.7082 | 8.91 | -0.01    | 2145548 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-017   | Client ID: ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA |
| Seqnum: 454157500025 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_041824025 | Batch: 338024        | Time: 18-APR-2024 16:36                                  |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw    | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 58.00  | 0.58 <sup>FP</sup> | 0.98 | 51%  | 0.50 |       | x u   |
| Aroclor-1016 Peak # 1 | B  | 73.68  | 0.74               | 1.28 | 54%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 82.63  | 0.83               | 0.95 | 13%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 86.73  | 0.87               | 2.14 | 84%  |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 40.06  | 0.40               | 0.04 | 163% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 6.890  | 0.07               | 0.48 | 150% |      |       |       |
| <b>Aroclor-1221</b>   | B  |        | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |        | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |        | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |        | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |        | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 19.56  | ND                 | 1.6  | 157% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 0.4165 | 0.00               | 4.10 | 200% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 64.47  | 0.64               | 0.05 | 170% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 13.19  | 0.13               | 0.56 | 124% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 17.76  | 0.18               | 3.33 | 180% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 1.960  | 0.02               | 0.14 | 151% |      |       |       |
| <b>Aroclor-1262</b>   | B  |        | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |        | ND                 |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 38.53 | 0.5000 | 0.3853 | 77   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 31.41 | 0.5000 | 0.3141 | 63   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 50507597     | 14.49  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 2858829      | -6.31  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.92      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use x=false positive

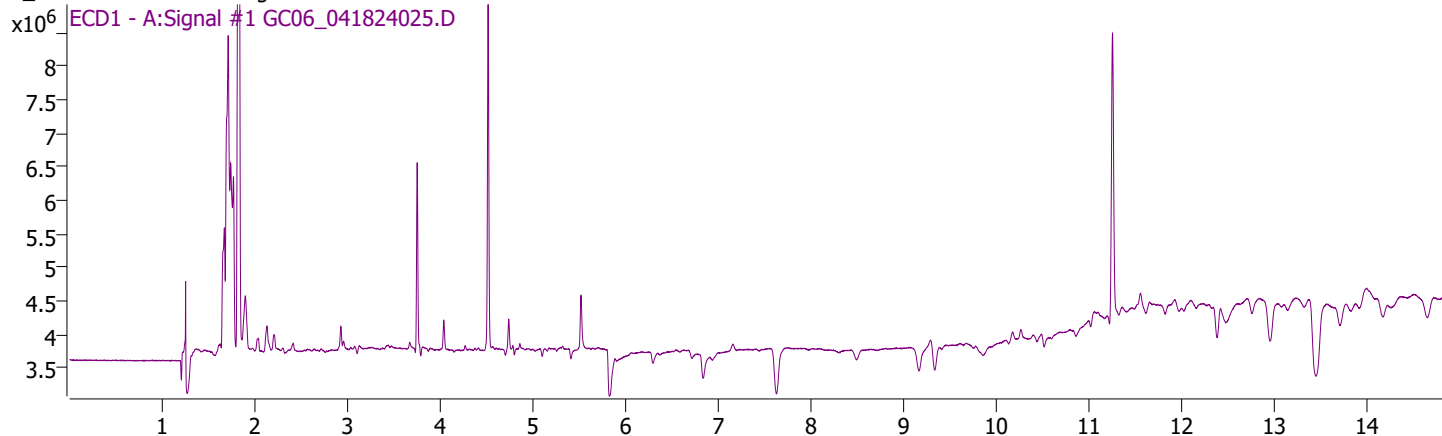
**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

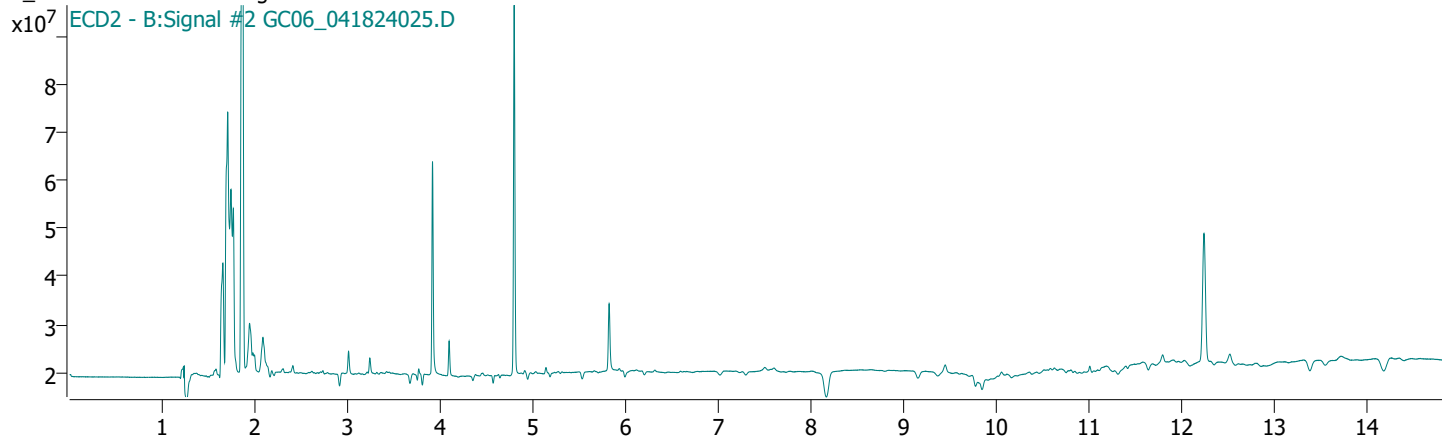
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824025.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 4:36:20 PM  |
| Sample Name    | 506093-017, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 12                       | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824025.D No MS Signals



GC06\_041824025.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.751                | 0.0  | 2858829.20<br>6  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.917                | 0.0  | 50507597.4<br>31 | 20.0000            | ng/ml | 0.002    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.517                | 0.0  | 5431610.34<br>0  | 42.2012            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 211.01% | *     |          |
| S TCMX (PCB) #2                    | 4.798                | 0.0  | 84390402.0<br>11 | 38.5316            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 192.66% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.254               | 0.0  | 7197337.57<br>8  | 42.2906            | ng/ml | -0.004   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 211.45% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.243               | 0.0  | 64849623.4<br>15 | 31.4078            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 157.04% | *     |          |

## Target Compounds

QValue

# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.    | Units | Dev(Min) |
|---------------|--------|------|--------------|----------|-------|----------|
| T AR1016 1    | 4.859  | 0.0  | 392165.389   | 127.6082 | ng/ml | 100      |
| T AR1016 2    | 5.172  | 0.0  | 559303.219   | 94.5337  | ng/ml | 100      |
| T AR1016 1 #2 | 5.276  | 0.0  | 3439000.620  | 73.6845  | ng/ml | 100      |
| T AR1016 3    | 5.518  | 0.0  | 1549671.989  | 213.5350 | ng/ml | 100      |
| T AR1016 2 #2 | 5.664  | 0.0  | 7715490.811  | 82.6326  | ng/ml | 100      |
| T AR1016 4    | 5.645  | 0.0  | 21200.754    | 4.1377   | ng/ml | 100      |
| T AR1016 5    | 6.063  | 0.0  | 205015.825   | 47.7588  | ng/ml | 100      |
| T AR1016 3 #2 | 6.117  | 0.0  | 11215769.522 | 86.7250  | ng/ml | 100      |
| T AR1016 4 #2 | 6.117  | 0.0  | 3424737.693  | 40.0617  | ng/ml | 100      |
| T AR1016 5 #2 | 6.778  | 0.0  | 493081.726   | 6.8904   | ng/ml | 100      |
| T AR1260 1    | 7.558  | 0.0  | 3586735.066  | 410.2275 | ng/ml | 100      |
| T AR1260 2    | 8.023  | 0.0  | 69505.511    | 5.1964   | ng/ml | 100      |
| T AR1260 3    | 8.646  | 0.0  | 796400.734   | 56.4929  | ng/ml | 100      |
| T AR1260 1 #2 | 9.007  | 0.0  | 58884.170    | 0.4165   | ng/ml | 100      |
| T AR1260 4    | 9.288  | 0.0  | 2697740.138  | 332.6692 | ng/ml | 100      |
| T AR1260 2 #2 | 9.234  | 0.0  | 11086880.297 | 64.4711  | ng/ml | 100      |
| T AR1260 3 #2 | 9.800  | 0.0  | 2796509.106  | 13.1877  | ng/ml | 100      |
| T AR1260 5    | 10.103 | 0.0  | 127347.526   | 14.0651  | ng/ml | 100      |
| T AR1260 4 #2 | 10.355 | 0.0  | 2341968.491  | 17.7606  | ng/ml | 100      |
| T AR1260 5 #2 | 10.950 | 0.0  | 347980.070   | 1.9598   | ng/ml | 100      |

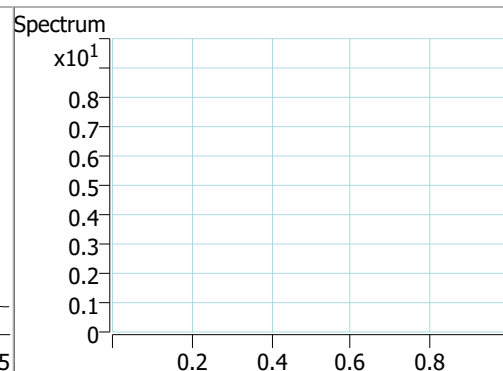
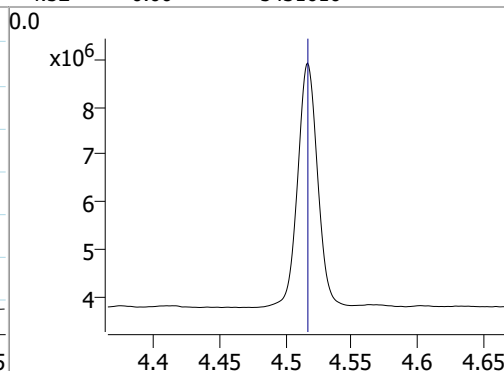
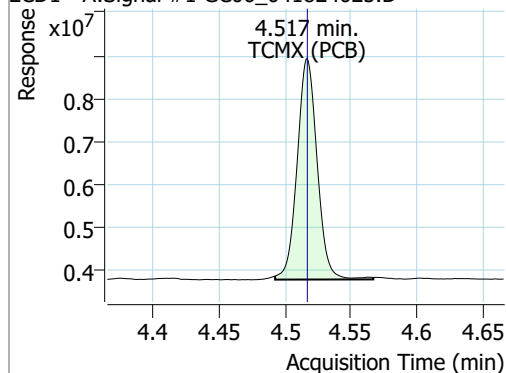
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak



# Quantitation Results Report (Not Reviewed)

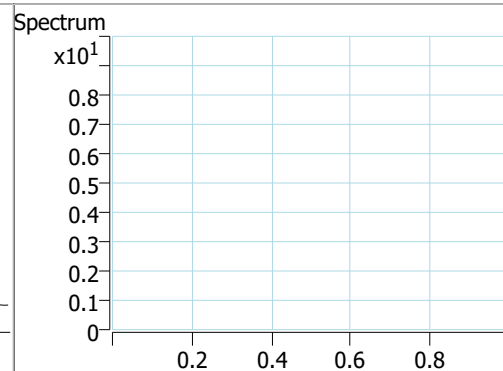
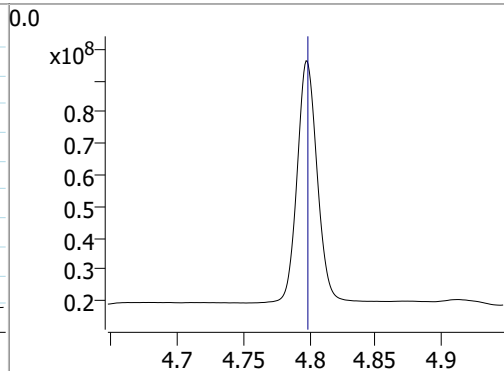
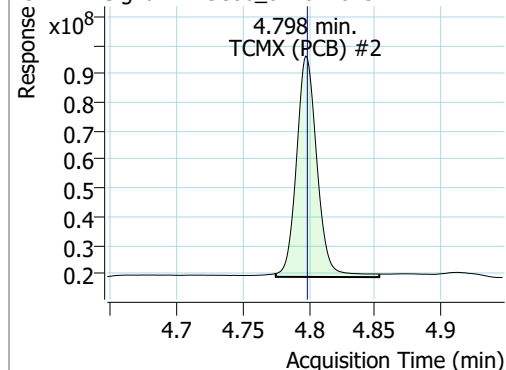
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 42.2012 | 4.52 | 0.00     | 5431610 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824025.D



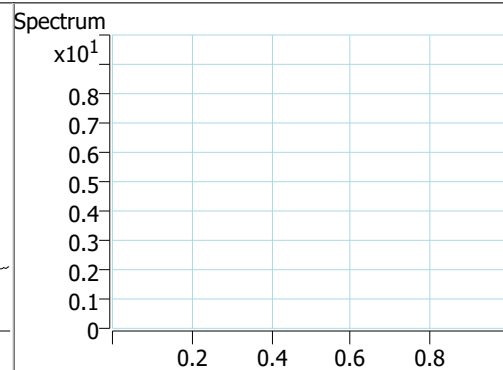
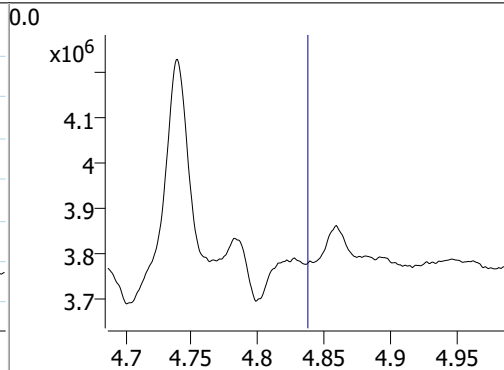
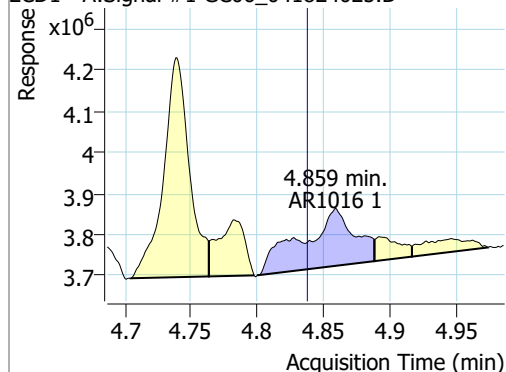
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 38.5316 | 4.80 | 0.00     | 84390402 |      |        |       |       |

ECD2 - B:Signal #2 GC06\_041824025.D



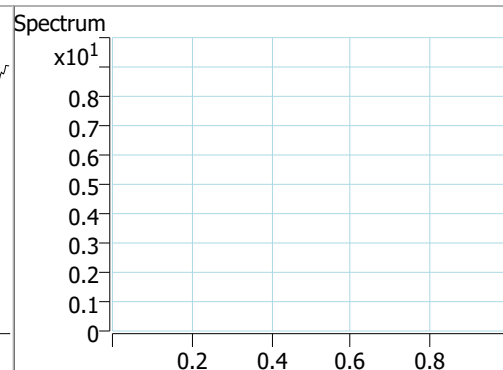
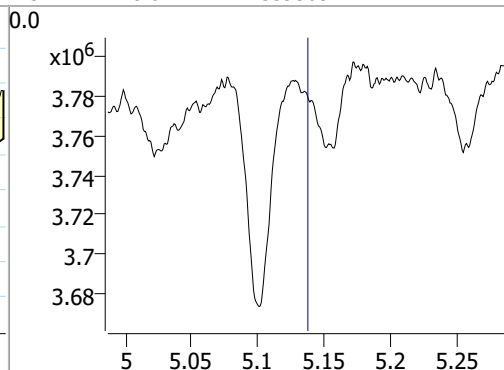
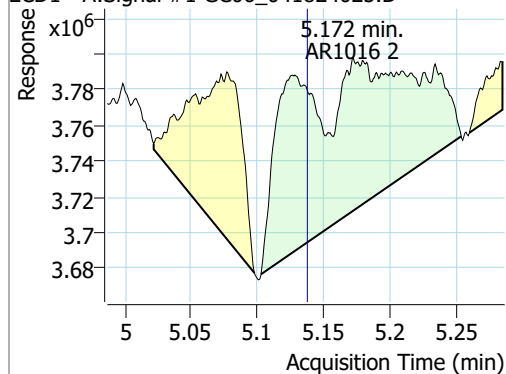
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 127.6082 | 4.86 | 0.02     | 392165 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824025.D

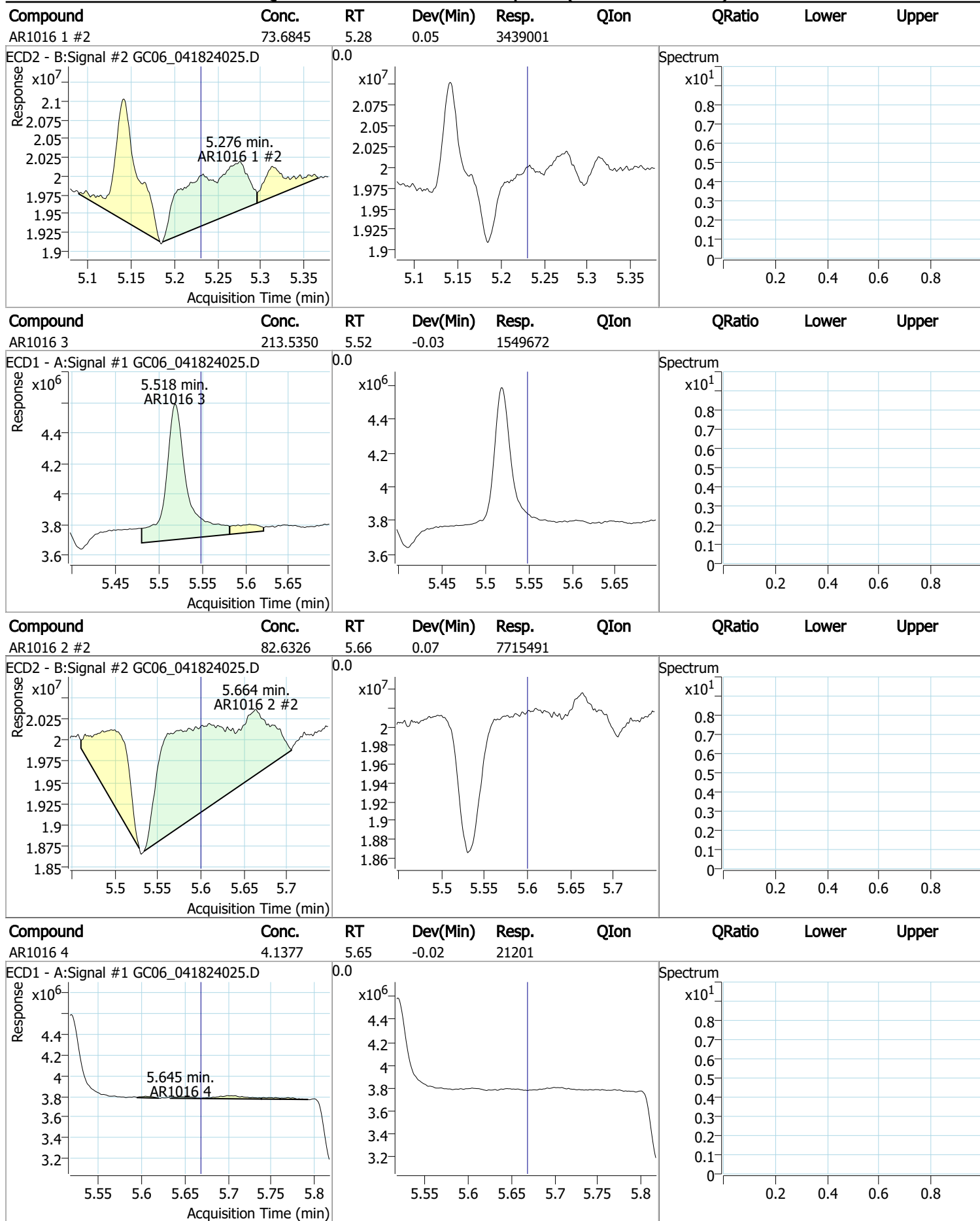


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 94.5337 | 5.17 | 0.04     | 559303 |      |        |       |       |

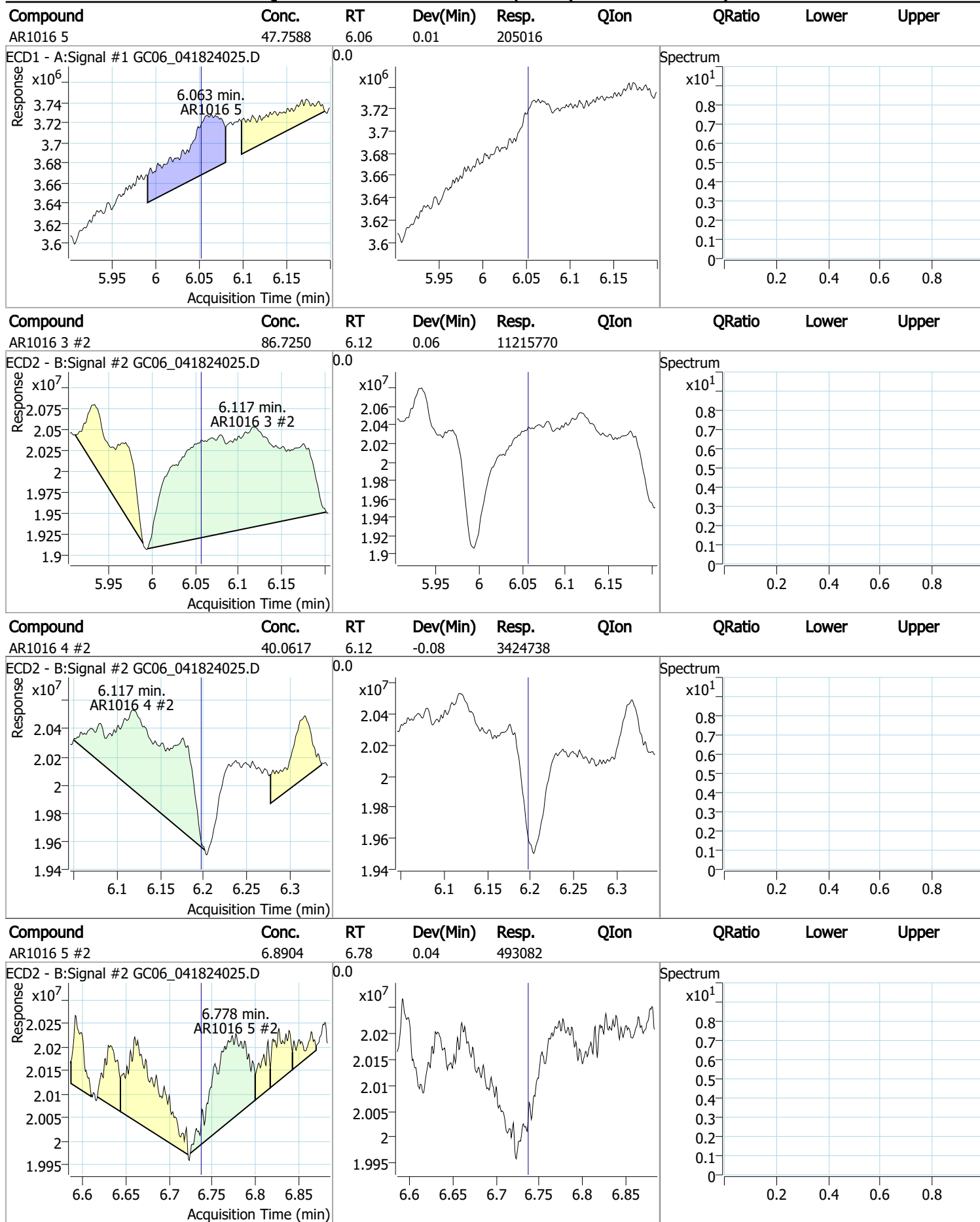
ECD1 - A:Signal #1 GC06\_041824025.D



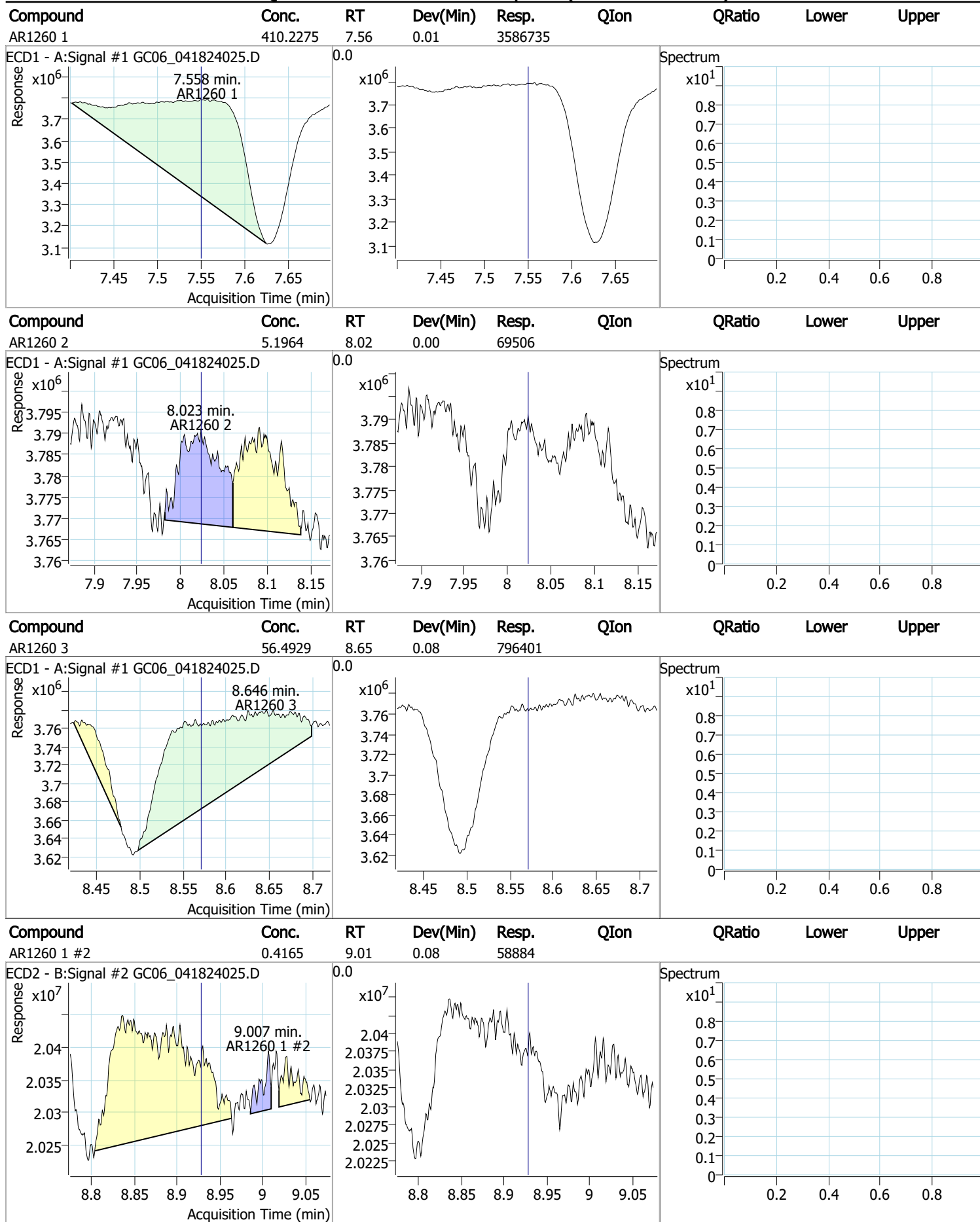
# Quantitation Results Report (Not Reviewed)



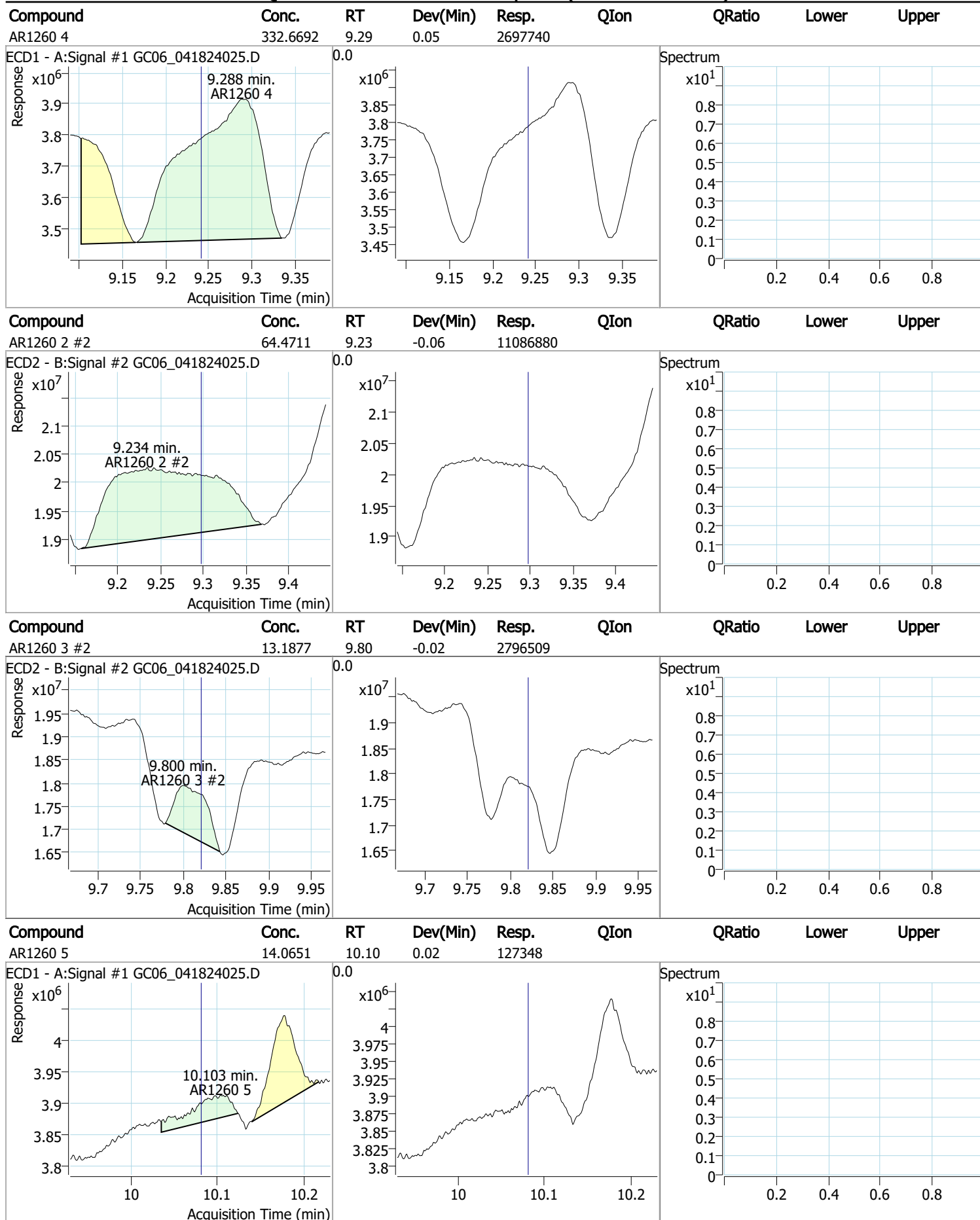
# Quantitation Results Report (Not Reviewed)



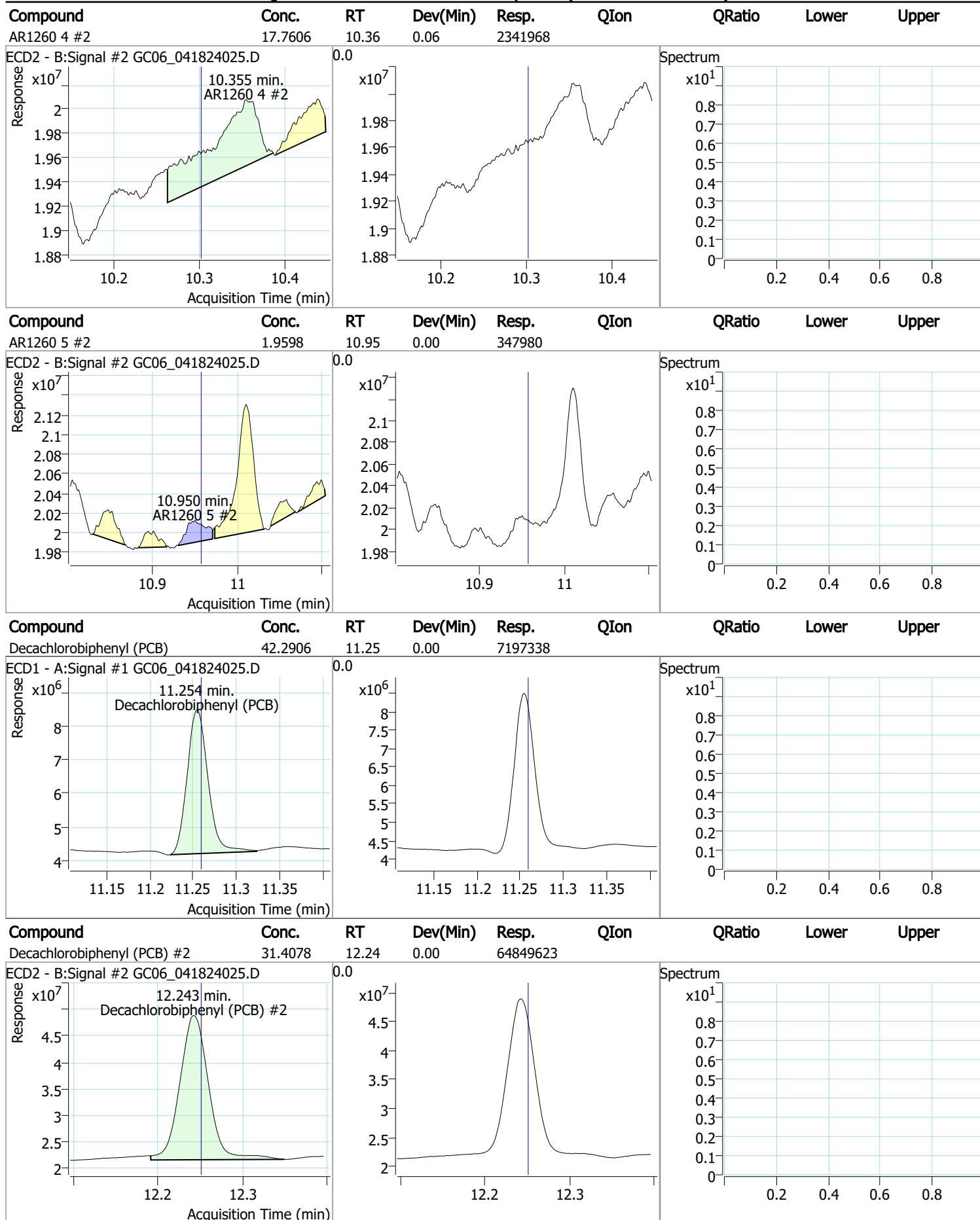
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                              |
|----------------------|----------------------|----------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-019   | Client ID: ARCH-C14E-DG-4 TO 4.5-240412-P-FB |
| Seqnum: 454157500026 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: gc06_041824026 | Batch: 338024        | Time: 18-APR-2024 16:57                      |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                              |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                |

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

| Analyte               | Ch | Raw    | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 54.32  | 0.54 <sup>FP</sup> | 0.95 | 54%  | 0.50 |       | X U   |
| Aroclor-1016 Peak # 1 | B  | 65.23  | 0.65               | 1.29 | 66%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 85.73  | 0.86               | 0.19 | 129% |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 56.51  | 0.57               | 2.46 | 125% |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 47.17  | 0.47               | 0.37 | 25%  |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 16.94  | 0.17               | 0.42 | 85%  |      |       |       |
| <b>Aroclor-1221</b>   | B  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1232</b>   | B  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1242</b>   | B  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1248</b>   | B  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1254</b>   | B  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1260</b>   | B  | 17.94  | ND                 | 1.1  | 143% | 0.50 |       | U     |
| Aroclor-1260 Peak # 1 | B  | 0.2264 | 0.00               | 2.95 | 200% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 52.30  | 0.52               | 0.03 | 180% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 9.209  | 0.09               | 0.34 | 114% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 22.54  | 0.23               | 2.01 | 160% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 5.403  | 0.05               | 0.10 | 63%  |      |       |       |
| <b>Aroclor-1262</b>   | B  |        | ND                 |      |      | 0.50 |       | U     |
| <b>Aroclor-1268</b>   | B  |        | ND                 |      |      | 0.50 |       | U     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 34.54 | 0.5000 | 0.3454 | 69   | 19-121 | U     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 30.28 | 0.5000 | 0.3028 | 61   | 19-121 | U     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 51561731     | 16.88  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3241741      | 6.24   |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.92      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use x=false positive

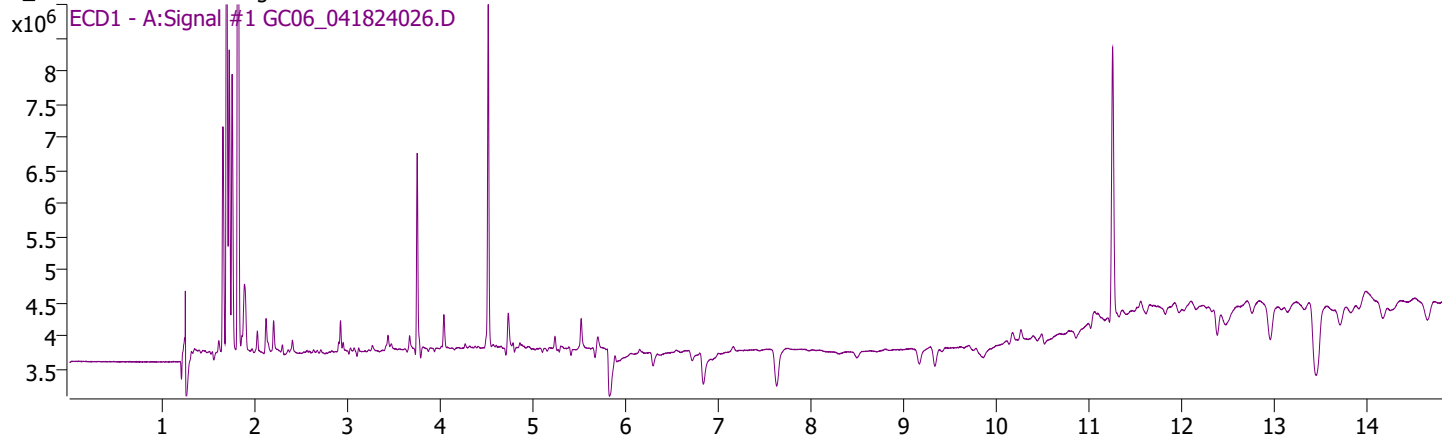
**Analyst:** MES 04/19/24

**Reviewer:** LW 04/22/24

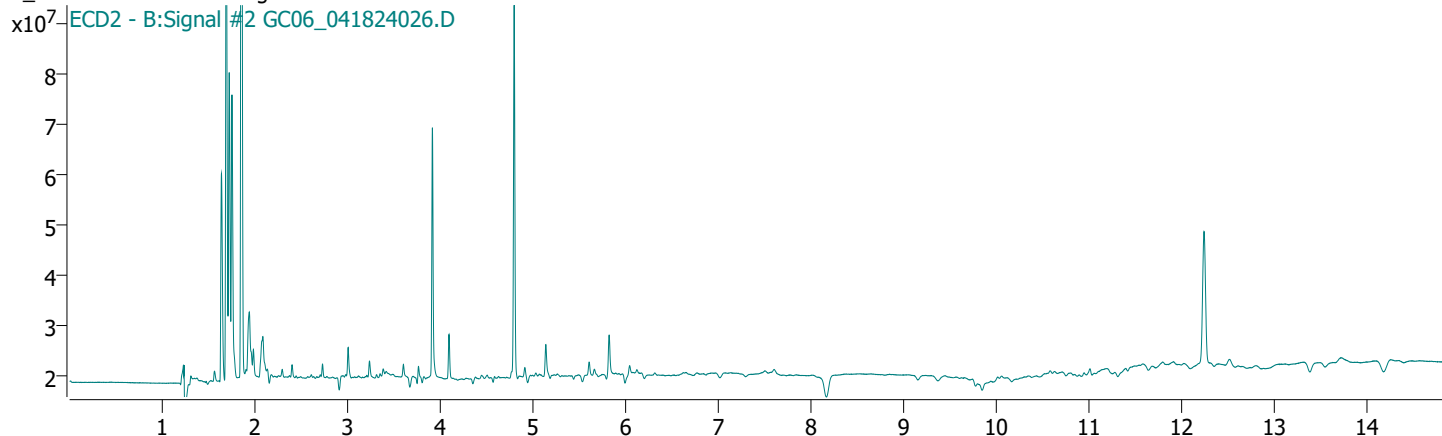
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824026.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 4:57:27 PM  |
| Sample Name    | 506093-019, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 13                       | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824026.D No MS Signals



GC06\_041824026.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.752                | 0.0  | 3241741.23<br>6  | 20.0000            | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.916                | 0.0  | 51561731.4<br>03 | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.518                | 0.0  | 5211117.04<br>7  | 35.7057            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 178.53% | *     |          |
| S TCMX (PCB) #2                    | 4.798                | 0.0  | 77216759.8<br>16 | 34.5354            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 172.68% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 6806667.61<br>8  | 35.2709            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 176.35% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.243               | 0.0  | 63831496.3<br>56 | 30.2827            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 151.41% | *     |          |

## Target Compounds

QValue



# Quantitation Results Report (Not Reviewed)

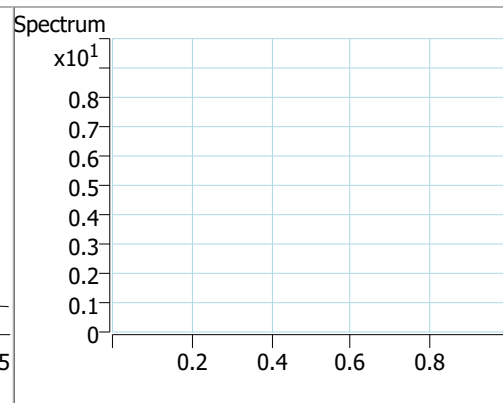
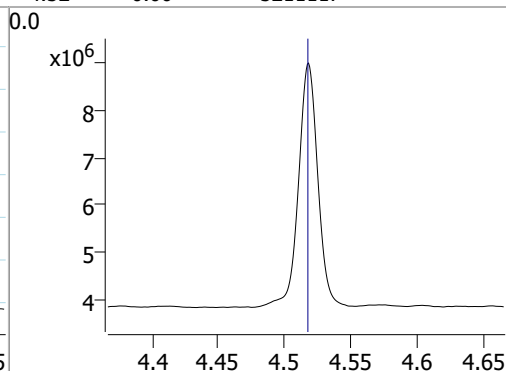
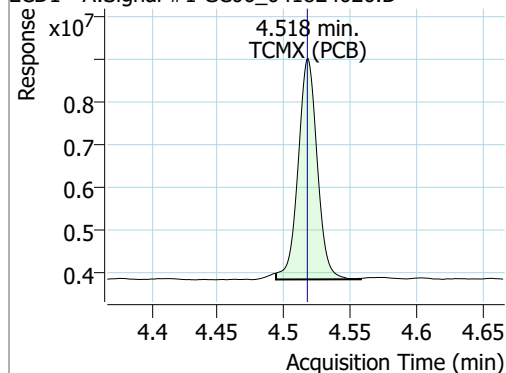
| Compound      | RT     | QIon | Resp.           | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-----------------|----------|-------|----------|
| T AR1016 1    | 4.860  | 0.0  | 449980.613      | 129.1258 | ng/ml | 100      |
| T AR1016 2    | 5.125  | 0.0  | 124642.163      | 18.5787  | ng/ml | 100      |
| T AR1016 1 #2 | 5.263  | 0.0  | 3107881.97<br>2 | 65.2285  | ng/ml | 100      |
| T AR1016 3    | 5.522  | 0.0  | 2026512.07<br>9 | 246.2569 | ng/ml | 100      |
| T AR1016 2 #2 | 5.608  | 0.0  | 8171998.79<br>4 | 85.7325  | ng/ml | 100      |
| T AR1016 4    | 5.645  | 0.0  | 213294.067      | 36.7113  | ng/ml | 100      |
| T AR1016 5    | 6.152  | 0.0  | 205029.599      | 42.1204  | ng/ml | 100      |
| T AR1016 3 #2 | 6.044  | 0.0  | 7460675.26<br>5 | 56.5097  | ng/ml | 100      |
| T AR1016 4 #2 | 6.123  | 0.0  | 4116716.04<br>1 | 47.1717  | ng/ml | 100      |
| T AR1016 5 #2 | 6.768  | 0.0  | 1237322.35<br>6 | 16.9372  | ng/ml | 100      |
| T AR1260 1    | 7.561  | 0.0  | 2924135.51<br>8 | 294.9394 | ng/ml | 100      |
| T AR1260 2    | 8.018  | 0.0  | 41978.060       | 2.7677   | ng/ml | 100      |
| T AR1260 3    | 8.653  | 0.0  | 537104.678      | 33.5994  | ng/ml | 100      |
| T AR1260 1 #2 | 8.938  | 0.0  | 32673.500       | 0.2264   | ng/ml | 100      |
| T AR1260 4    | 9.291  | 0.0  | 1847587.97<br>8 | 200.9220 | ng/ml | 100      |
| T AR1260 2 #2 | 9.242  | 0.0  | 9182150.95<br>8 | 52.3033  | ng/ml | 100      |
| T AR1260 3 #2 | 9.797  | 0.0  | 1993648.15<br>8 | 9.2094   | ng/ml | 100      |
| T AR1260 5    | 10.111 | 0.0  | 106629.018      | 10.3858  | ng/ml | 100      |
| T AR1260 4 #2 | 10.352 | 0.0  | 3034800.57<br>8 | 22.5442  | ng/ml | 100      |
| T AR1260 5 #2 | 10.950 | 0.0  | 979294.985      | 5.4027   | ng/ml | 100      |

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

# Quantitation Results Report (Not Reviewed)

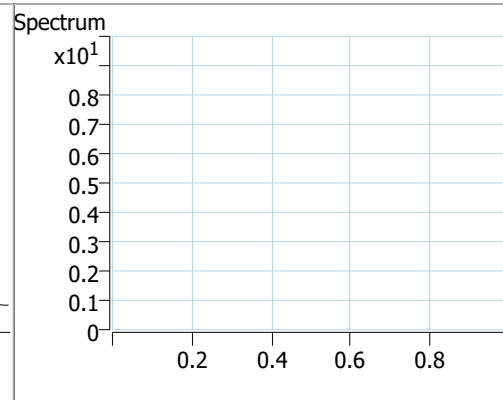
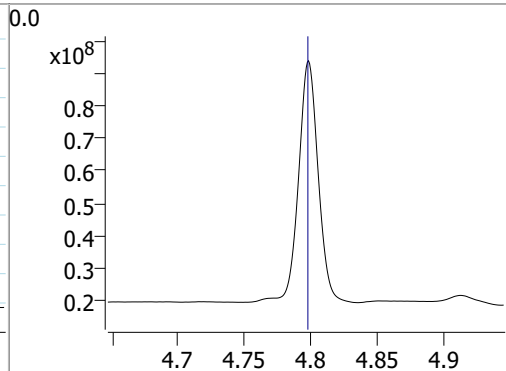
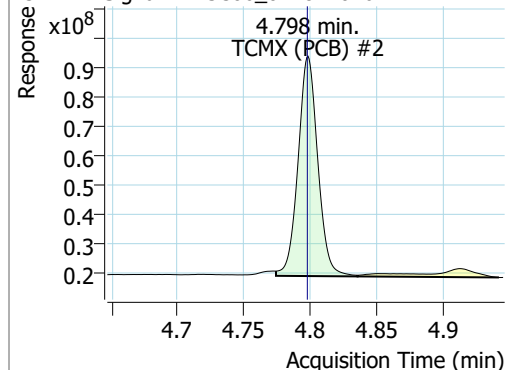
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 35.7057 | 4.52 | 0.00     | 5211117 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824026.D



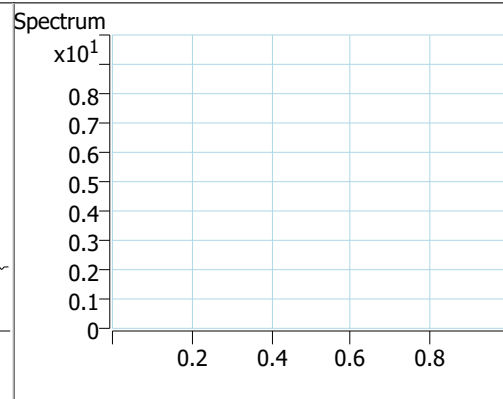
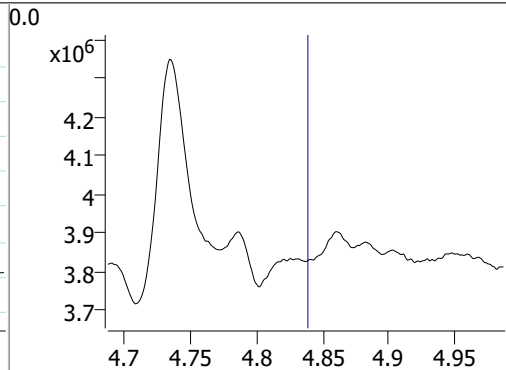
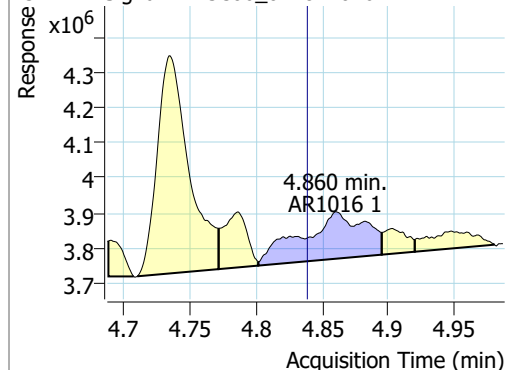
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 34.5354 | 4.80 | 0.00     | 77216760 |      |        |       |       |

ECD2 - B:Signal #2 GC06\_041824026.D



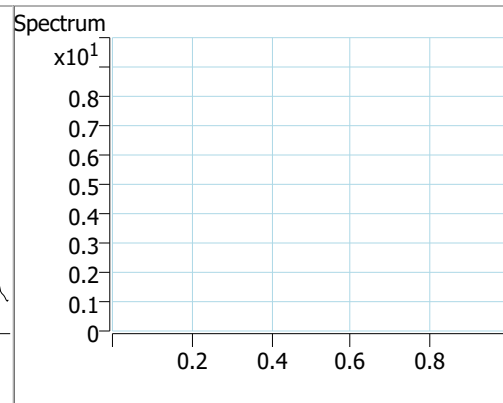
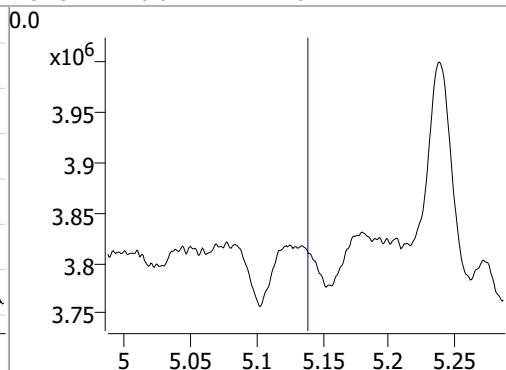
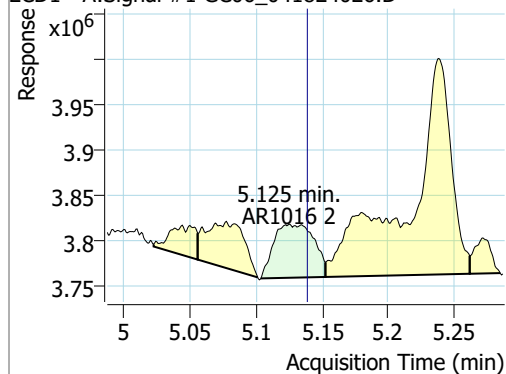
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 129.1258 | 4.86 | 0.02     | 449981 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824026.D



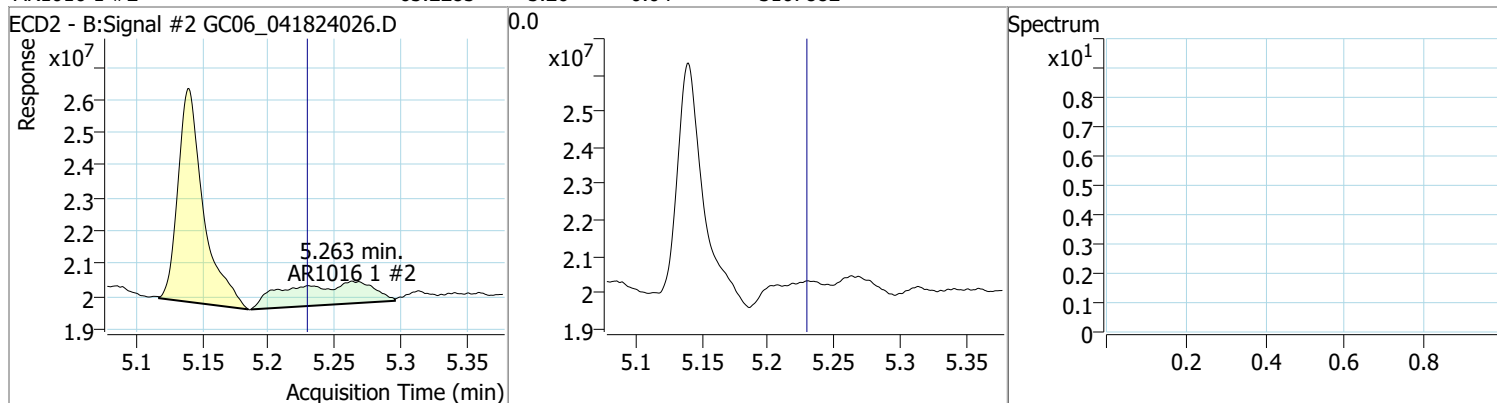
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 18.5787 | 5.13 | -0.01    | 124642 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_041824026.D

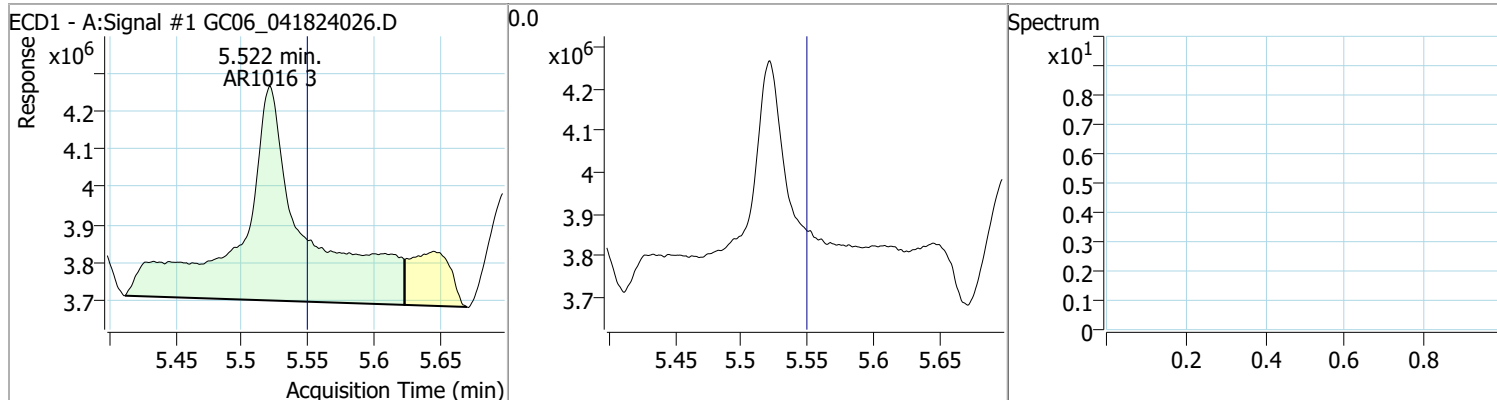


# Quantitation Results Report (Not Reviewed)

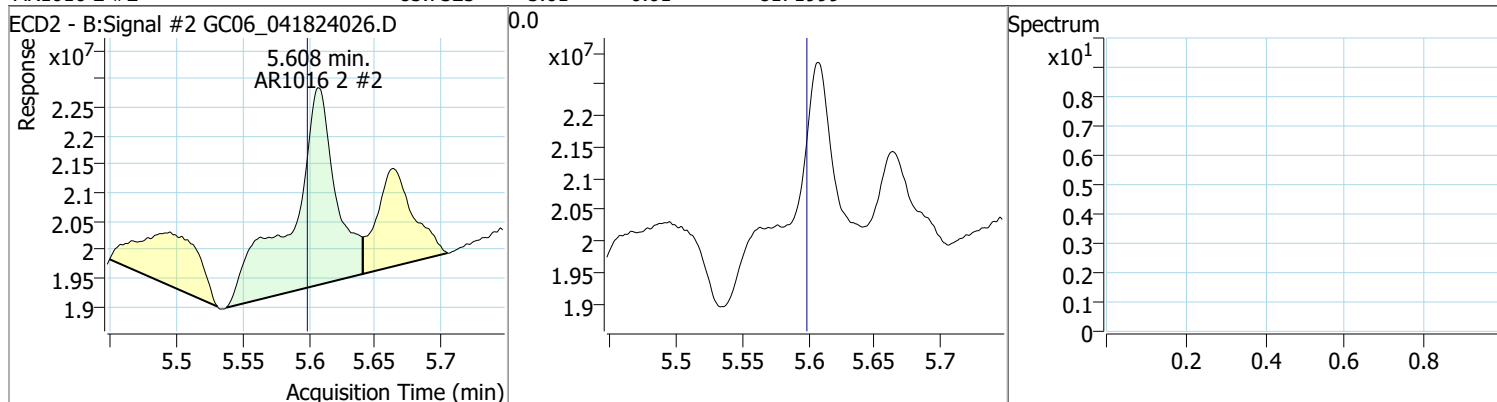
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 65.2285 | 5.26 | 0.04     | 3107882 |      |        |       |       |



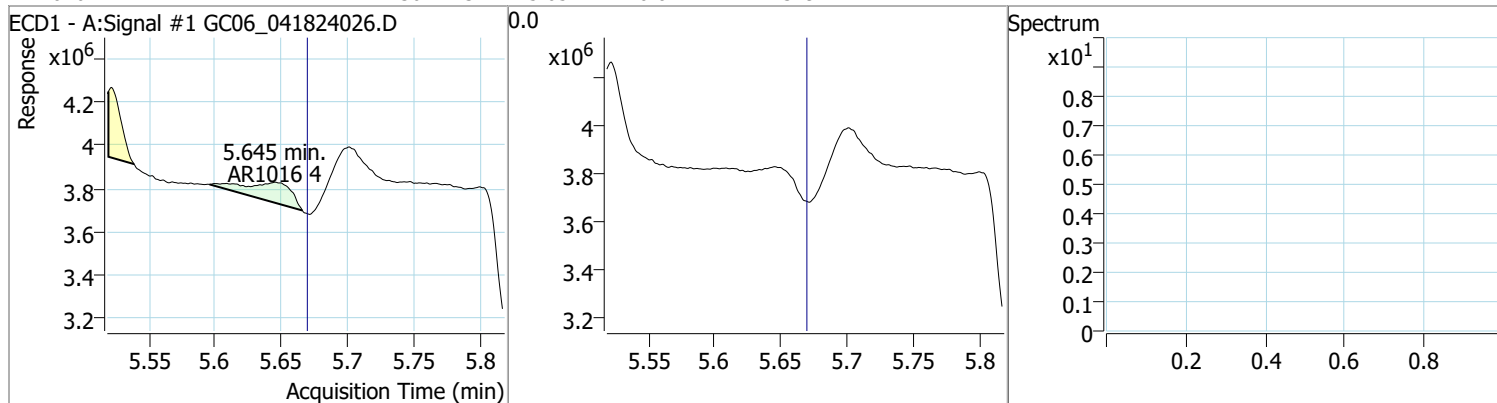
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 3 | 246.2569 | 5.52 | -0.03    | 2026512 |      |        |       |       |



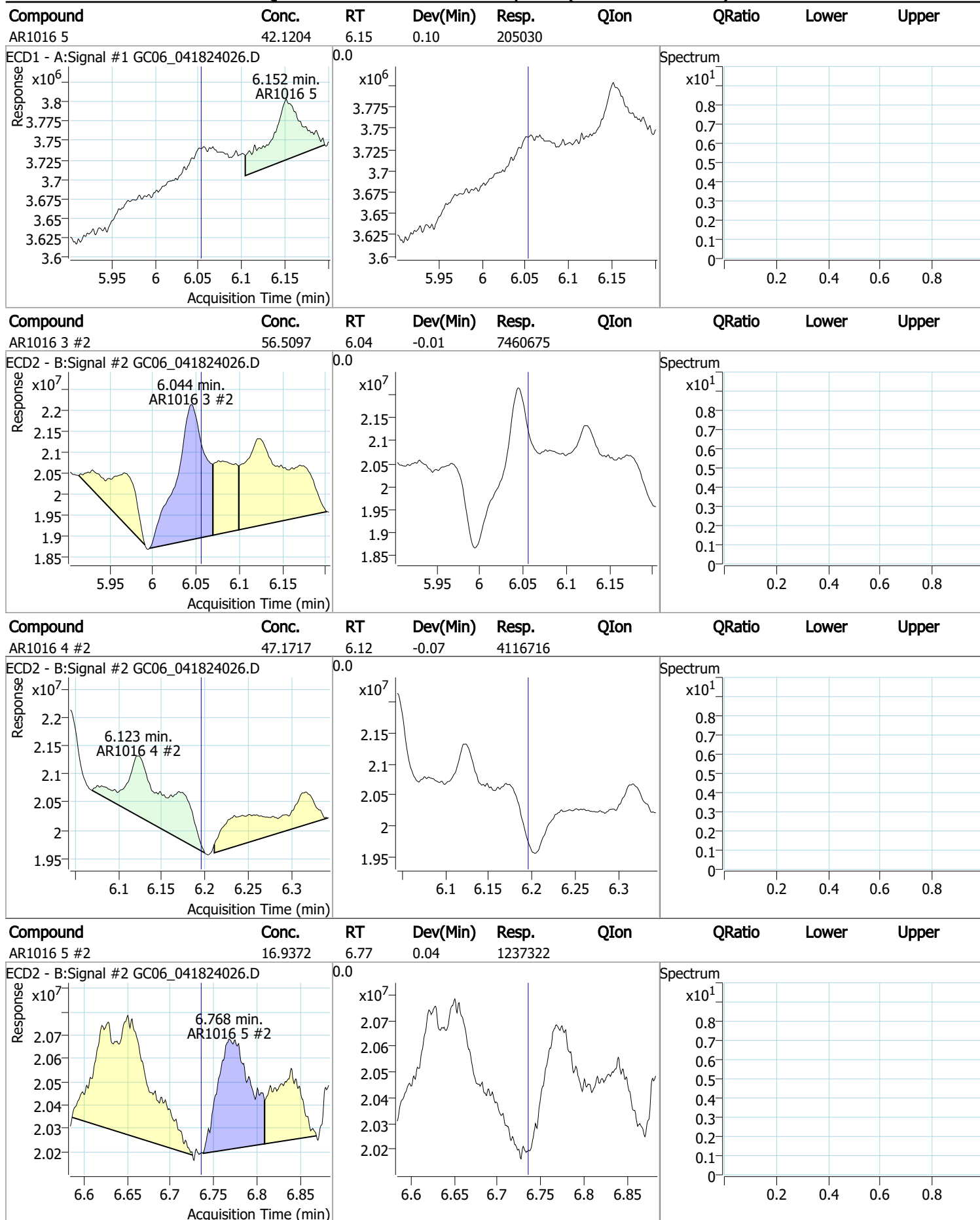
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 85.7325 | 5.61 | 0.01     | 8171999 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 4 | 36.7113 | 5.65 | -0.02    | 213294 |      |        |       |       |



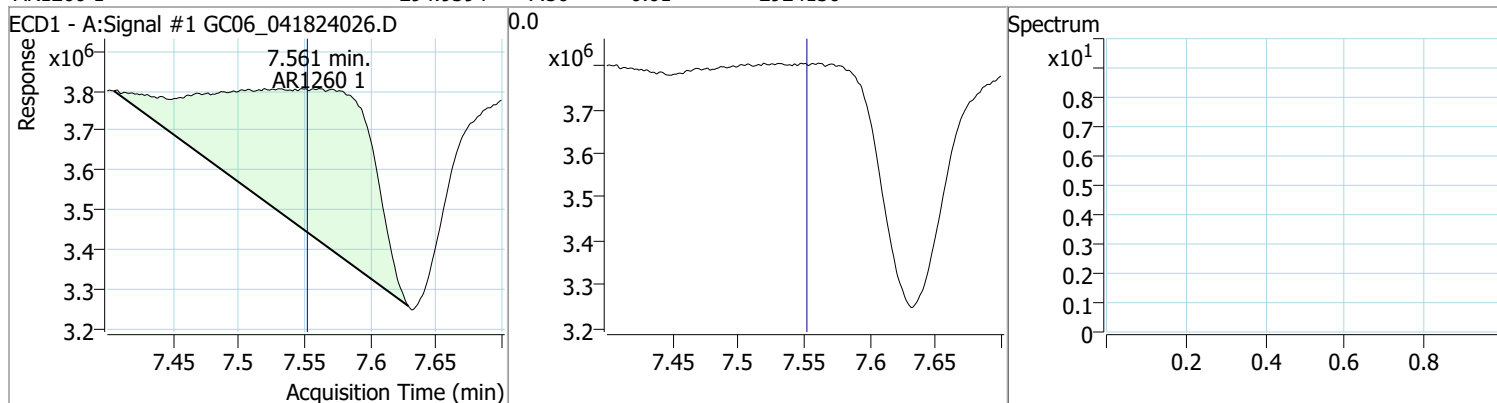
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

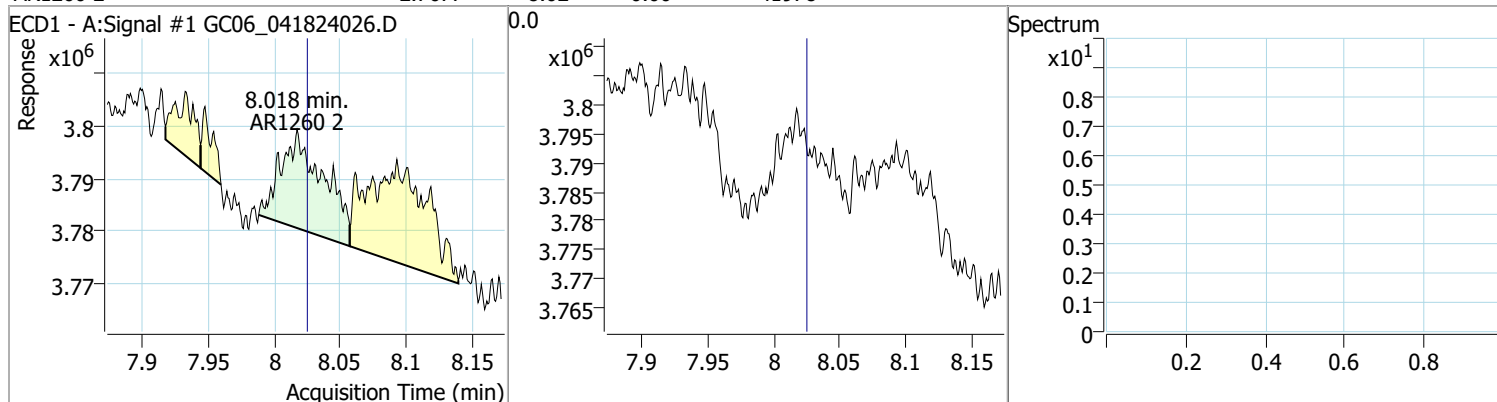
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 1 294.9394 7.56 0.01 2924136



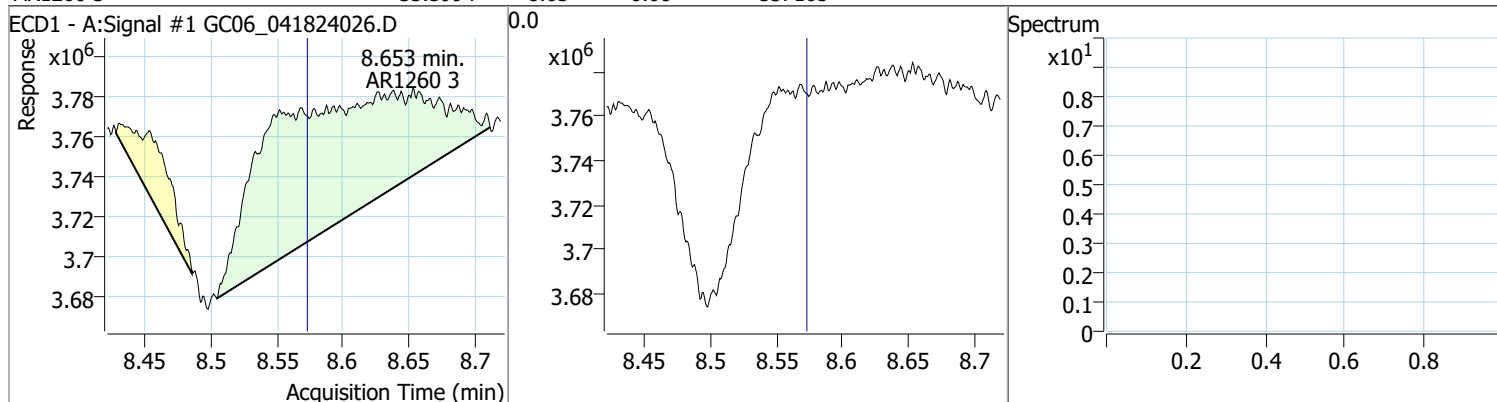
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 2 2.7677 8.02 0.00 41978



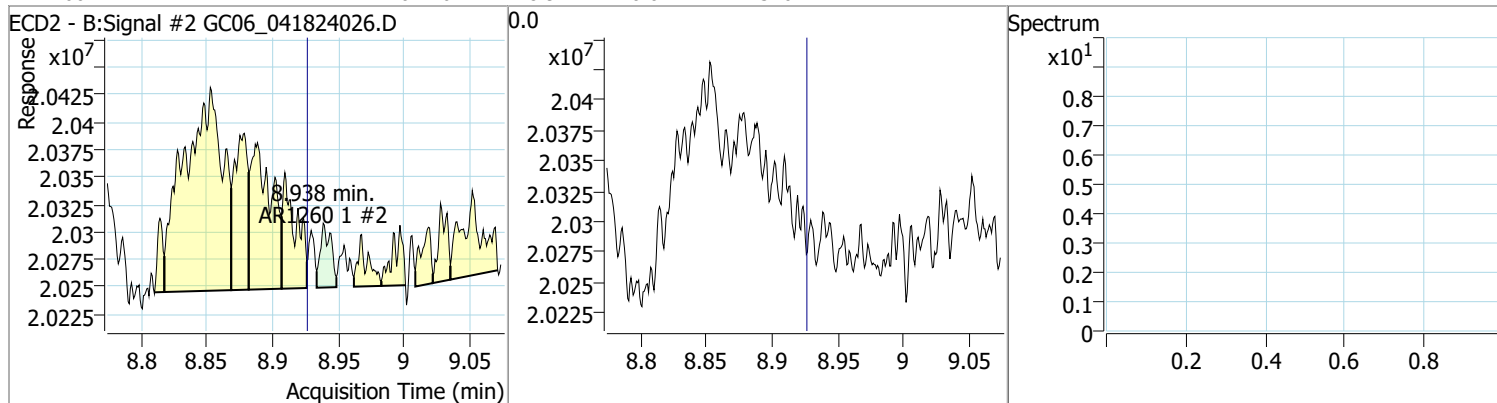
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 3 33.5994 8.65 0.08 537105

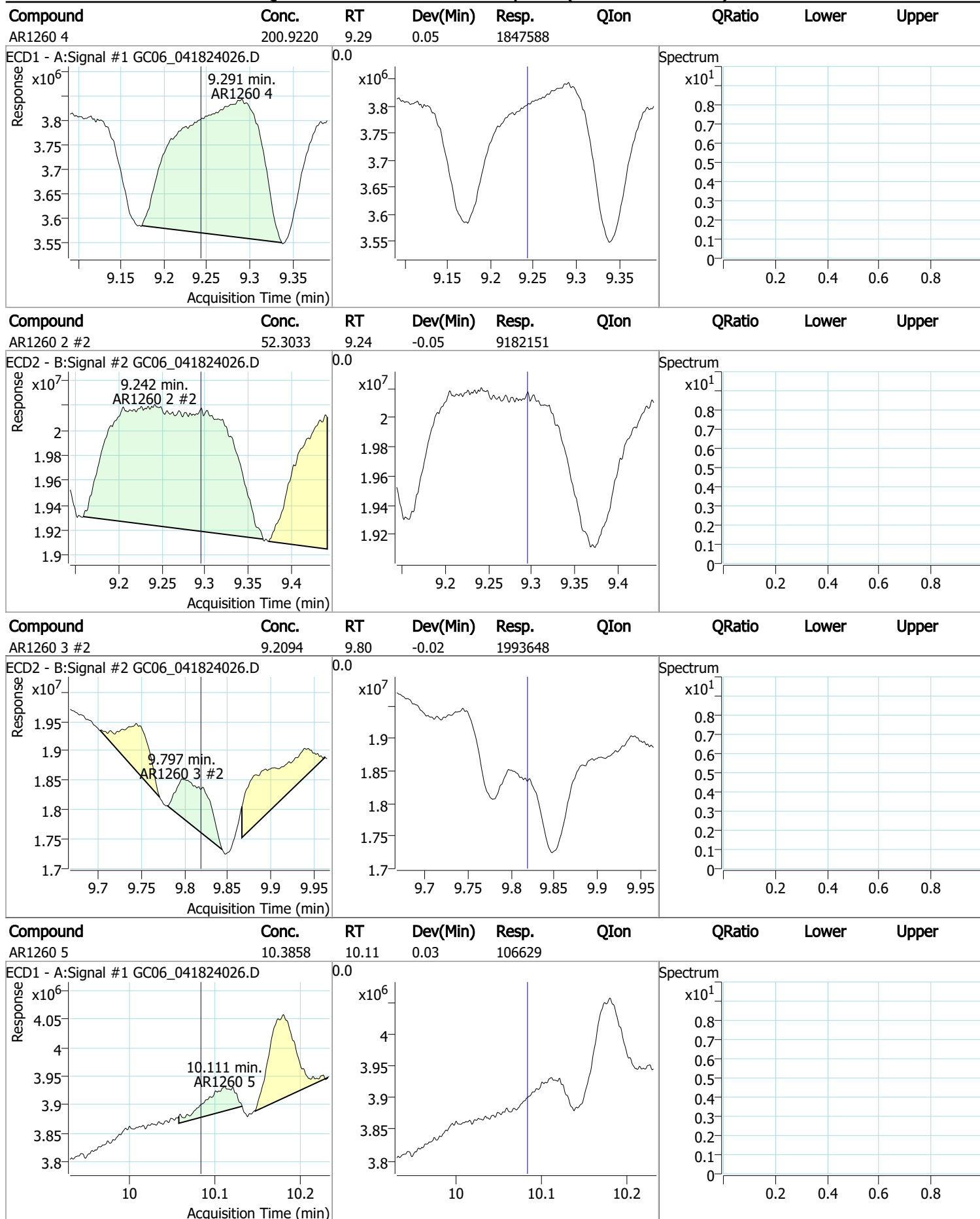


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

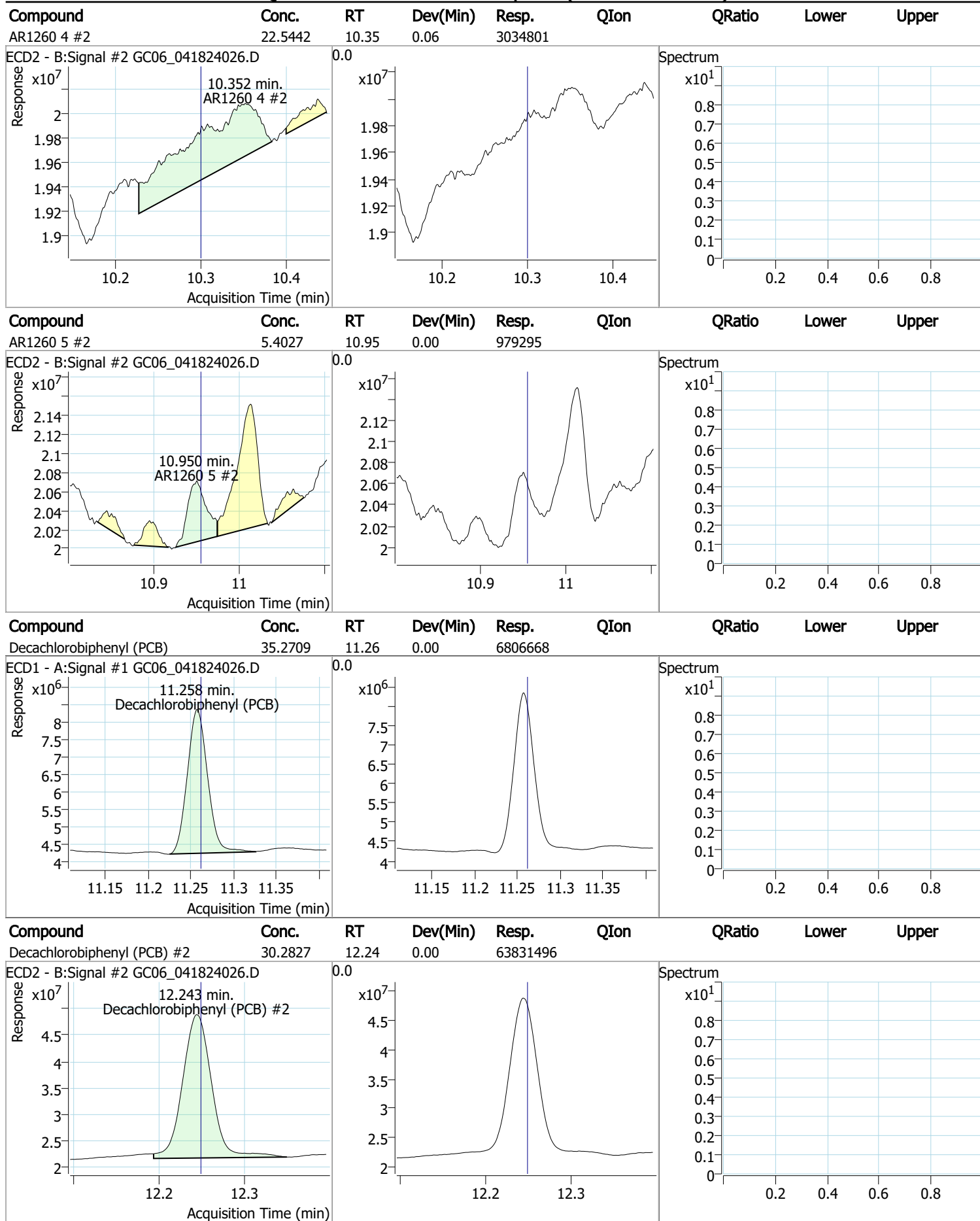
AR1260 1 #2 0.2264 8.94 0.02 32674



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                                          |
|----------------------|----------------------|----------------------------------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-021   | Client ID: ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA |
| Seqnum: 454157500027 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: gc06_041824027 | Batch: 338024        | Time: 18-APR-2024 17:18                                  |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                                          |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                                            |

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

| Analyte               | Ch | Raw   | Result             | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|-------|--------------------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 50.79 | 0.51 <sup>FP</sup> | 0.82 | 47%  | 0.50 |       | x u   |
| Aroclor-1016 Peak # 1 | B  | 66.50 | 0.66               | 1.32 | 66%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 81.76 | 0.82               | 0.75 | 9%   |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 68.52 | 0.69               | 1.78 | 89%  |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 28.68 | 0.29               | 0.07 | 122% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 8.478 | 0.08               | 0.20 | 81%  |      |       |       |
| <b>Aroclor-1221</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 19.88 | ND                 | 1.4  | 151% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 5.295 | 0.05               | 3.65 | 194% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 61.36 | 0.61               | 0.03 | 180% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 13.32 | 0.13               | 0.48 | 113% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 15.53 | 0.16               | 2.81 | 179% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 3.881 | 0.04               | 0.09 | 80%  |      |       |       |
| <b>Aroclor-1262</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |       | ND                 |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 31.98 | 0.5000 | 0.3198 | 64   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 27.08 | 0.5000 | 0.2708 | 54   | 19-121 | u     |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 48551646     | 10.06  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 2963314      | -2.89  |

**NO INTERNAL STANDARD REFERENCE RUN FOUND FOR**

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.92      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use x=false positive

**Analyst:** MES 04/19/24

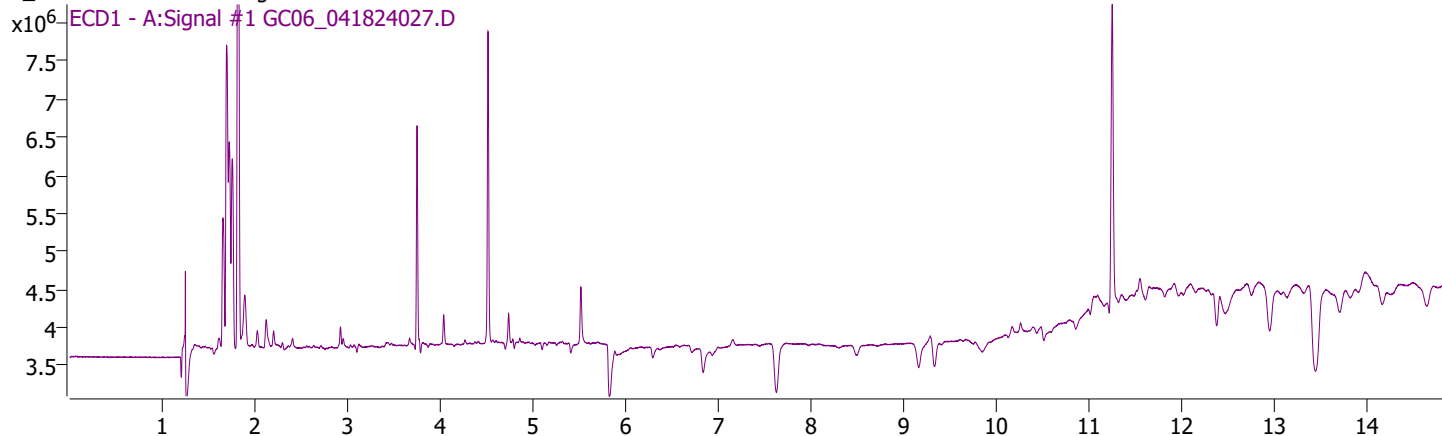
**Reviewer:** LW 04/22/24



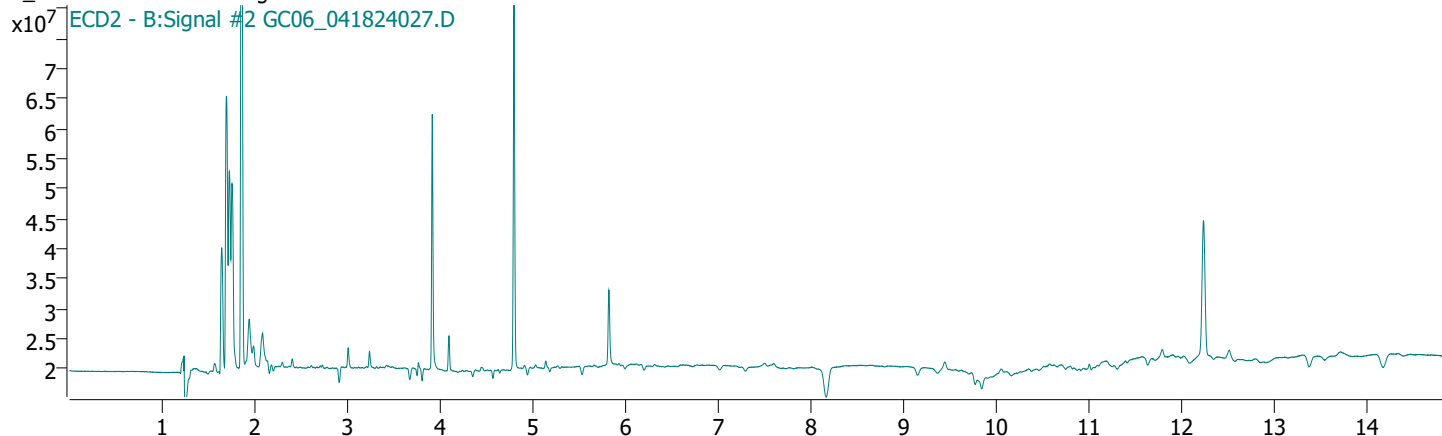
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824027.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 5:18:22 PM  |
| Sample Name    | 506093-021, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 14                       | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824027.D No MS Signals



GC06\_041824027.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.753                | 0.0  | 2963313.996  | 20.0000            | ng/ml | 0.002    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.917                | 0.0  | 48551646.192 | 20.0000            | ng/ml | 0.002    |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.518                | 0.0  | 4301866.280  | 32.2451            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 161.23% | *     |          |
| S TCMX (PCB) #2                    | 4.799                | 0.0  | 67336385.853 | 31.9835            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 159.92% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 6744770.967  | 38.2340            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 191.17% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.243               | 0.0  | 53742353.506 | 27.0769            | ng/ml | -0.002   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 135.38% |       |          |

## Target Compounds

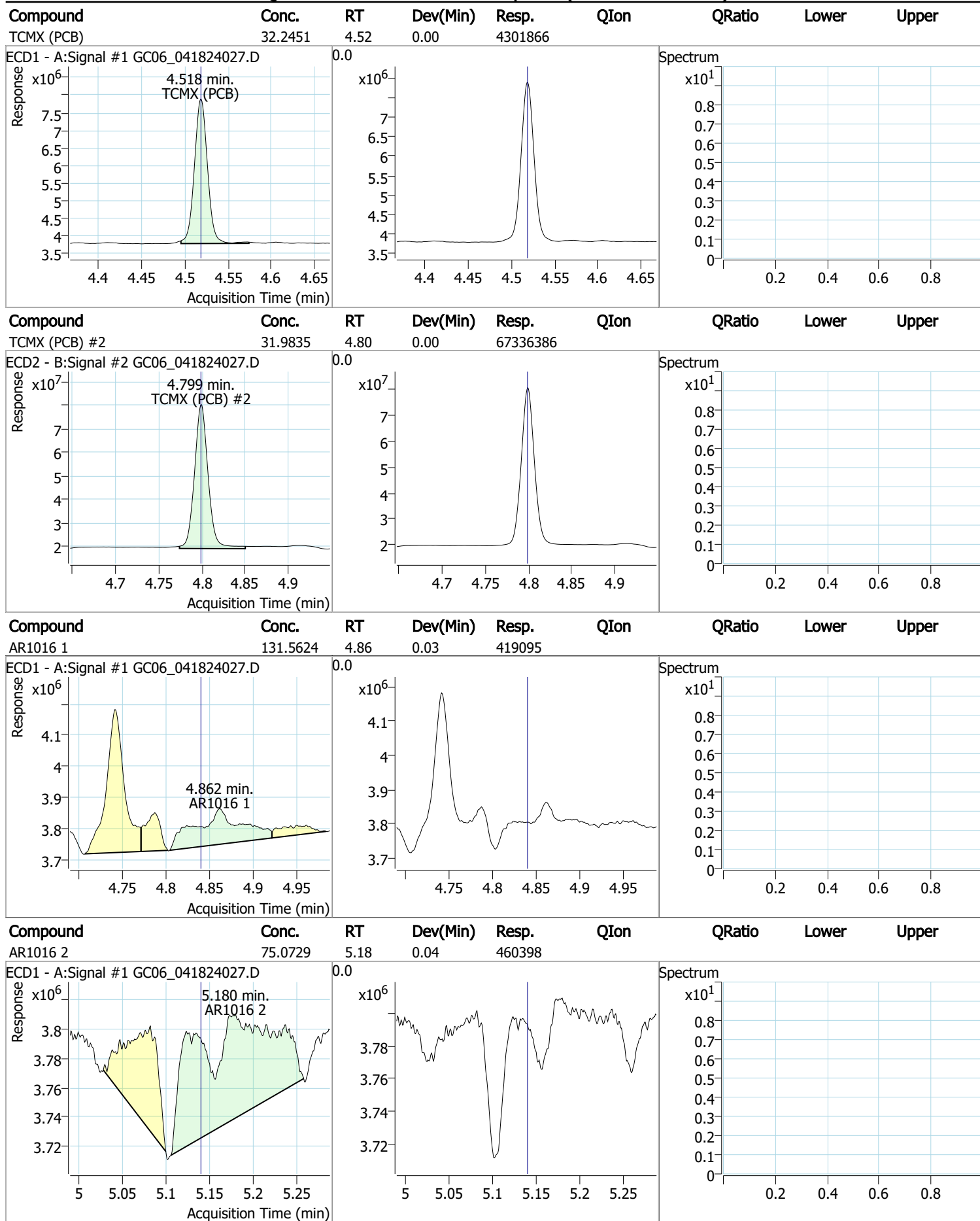
QValue

# Quantitation Results Report (Not Reviewed)

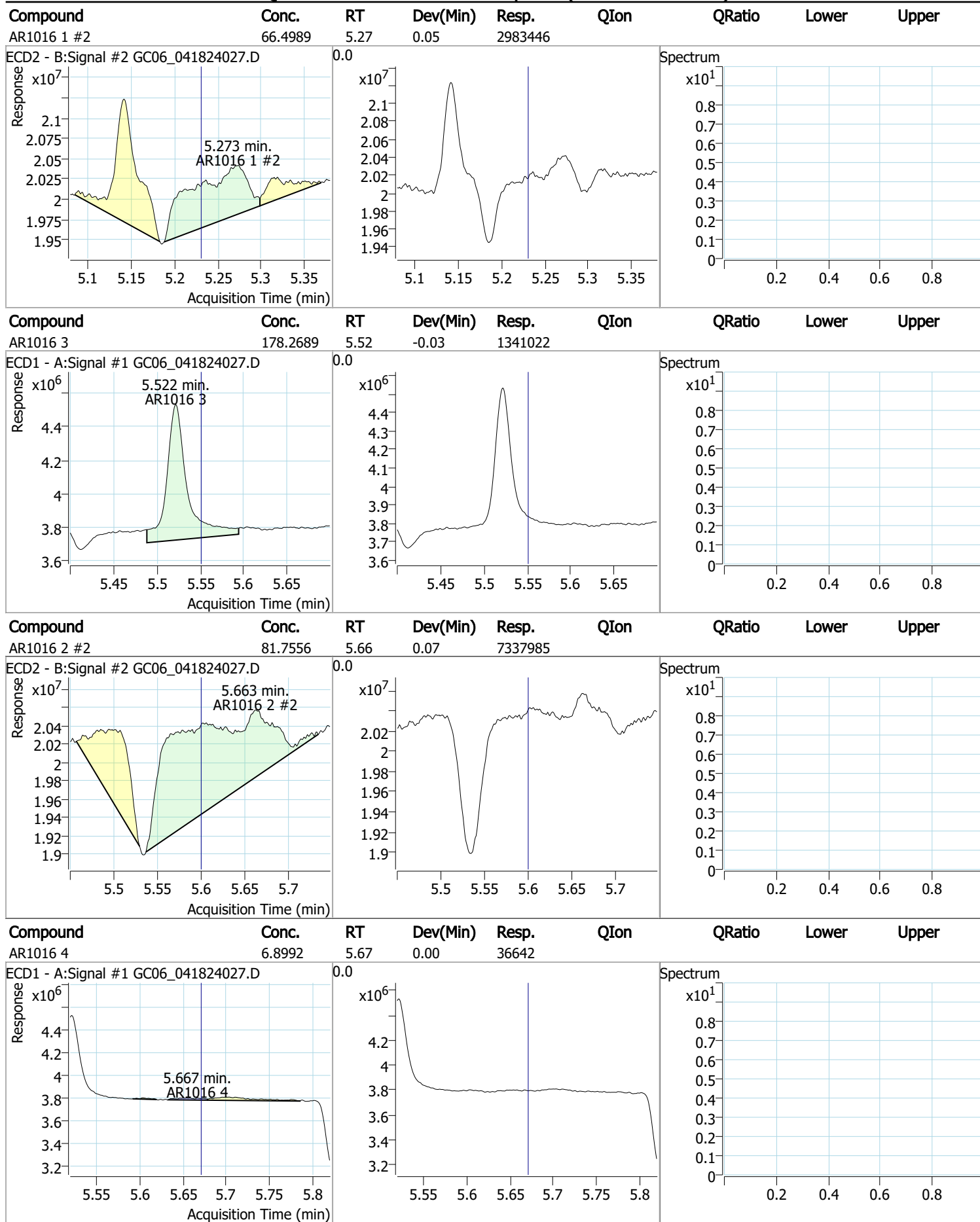
| Compound      | RT     | QIon | Resp.        | Conc.    | Units | Dev(Min) |
|---------------|--------|------|--------------|----------|-------|----------|
| T AR1016 1    | 4.862  | 0.0  | 419094.687   | 131.5624 | ng/ml | 100      |
| T AR1016 2    | 5.180  | 0.0  | 460397.591   | 75.0729  | ng/ml | 100      |
| T AR1016 1 #2 | 5.273  | 0.0  | 2983446.185  | 66.4989  | ng/ml | 100      |
| T AR1016 3    | 5.522  | 0.0  | 1341021.581  | 178.2689 | ng/ml | 100      |
| T AR1016 2 #2 | 5.663  | 0.0  | 7337984.918  | 81.7556  | ng/ml | 100      |
| T AR1016 4    | 5.667  | 0.0  | 36641.933    | 6.8992   | ng/ml | 100      |
| T AR1016 5    | 6.179  | 0.0  | 88990.382    | 19.9995  | ng/ml | 100      |
| T AR1016 3 #2 | 6.064  | 0.0  | 8518038.829  | 68.5185  | ng/ml | 100      |
| T AR1016 4 #2 | 6.314  | 0.0  | 2356794.122  | 28.6798  | ng/ml | 100      |
| T AR1016 5 #2 | 6.774  | 0.0  | 583206.878   | 8.4782   | ng/ml | 100      |
| T AR1260 1    | 7.564  | 0.0  | 3306261.717  | 364.8154 | ng/ml | 100      |
| T AR1260 2    | 8.012  | 0.0  | 44868.519    | 3.2362   | ng/ml | 100      |
| T AR1260 3    | 8.668  | 0.0  | 700348.975   | 47.9278  | ng/ml | 100      |
| T AR1260 1 #2 | 8.834  | 0.0  | 719586.316   | 5.2952   | ng/ml | 100      |
| T AR1260 4    | 9.293  | 0.0  | 2360816.362  | 280.8570 | ng/ml | 100      |
| T AR1260 2 #2 | 9.233  | 0.0  | 10144076.868 | 61.3650  | ng/ml | 100      |
| T AR1260 3 #2 | 9.802  | 0.0  | 2715525.455  | 13.3217  | ng/ml | 100      |
| T AR1260 5    | 10.105 | 0.0  | 84544.615    | 9.0085   | ng/ml | 100      |
| T AR1260 4 #2 | 10.353 | 0.0  | 1968584.427  | 15.5304  | ng/ml | 100      |
| T AR1260 5 #2 | 10.951 | 0.0  | 662419.760   | 3.8811   | 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)

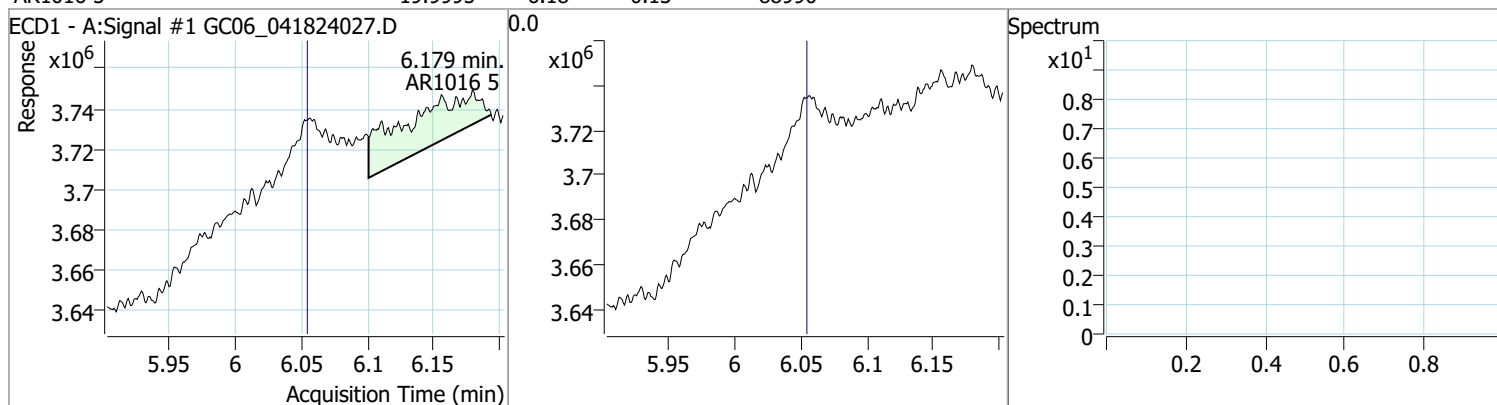


# Quantitation Results Report (Not Reviewed)

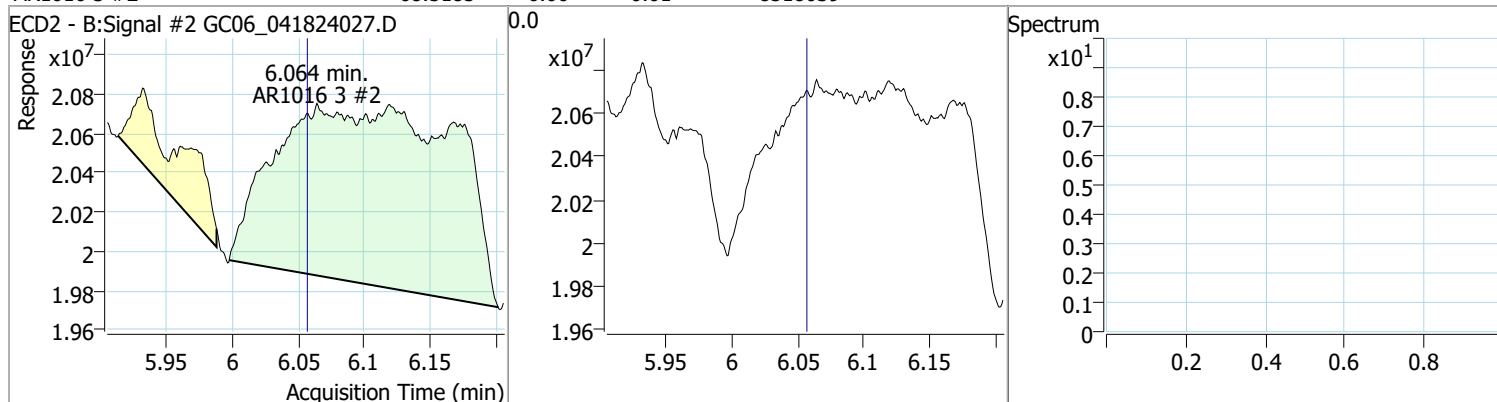


# Quantitation Results Report (Not Reviewed)

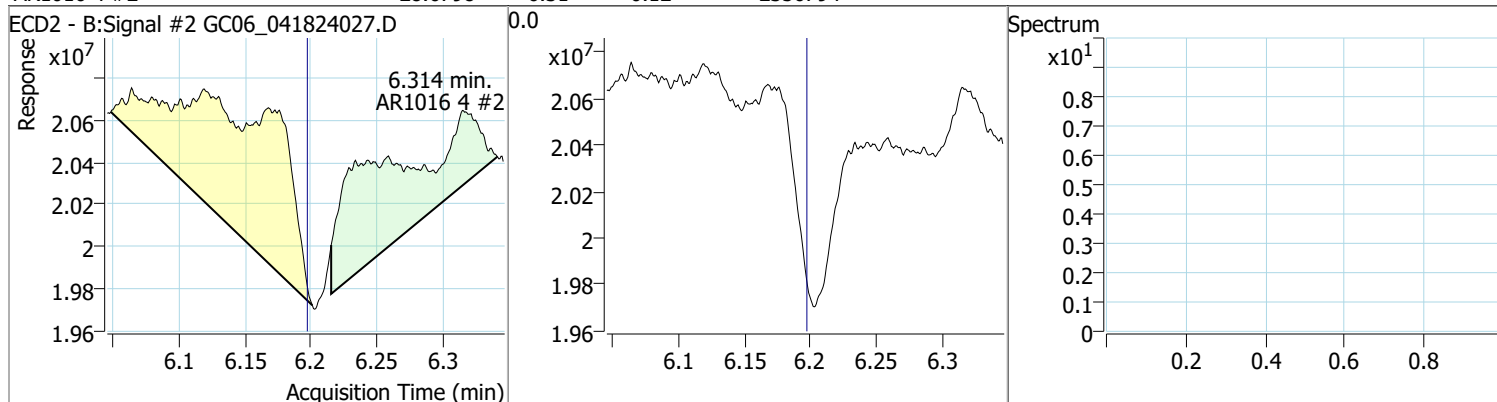
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



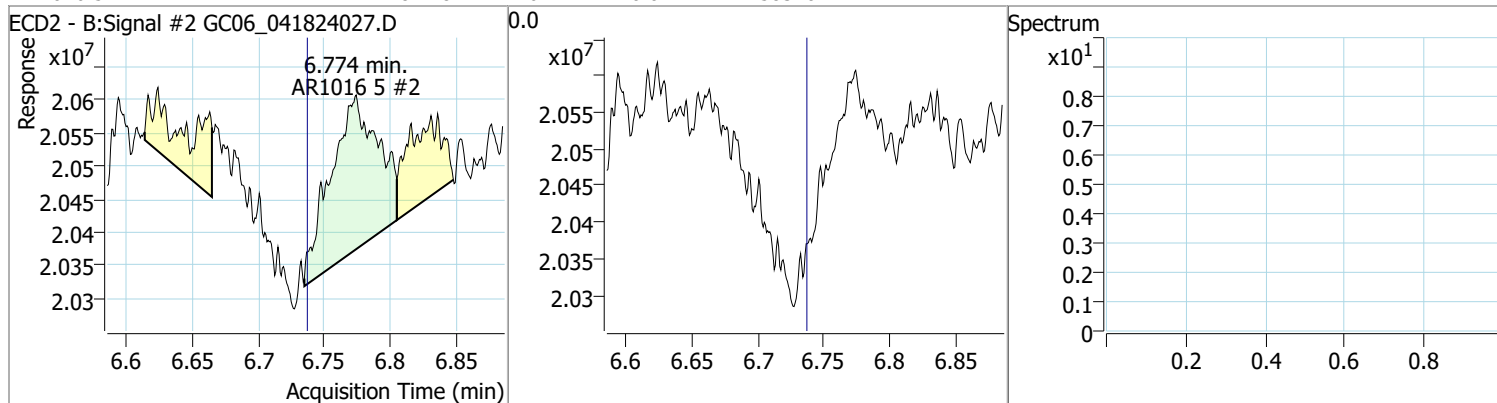
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



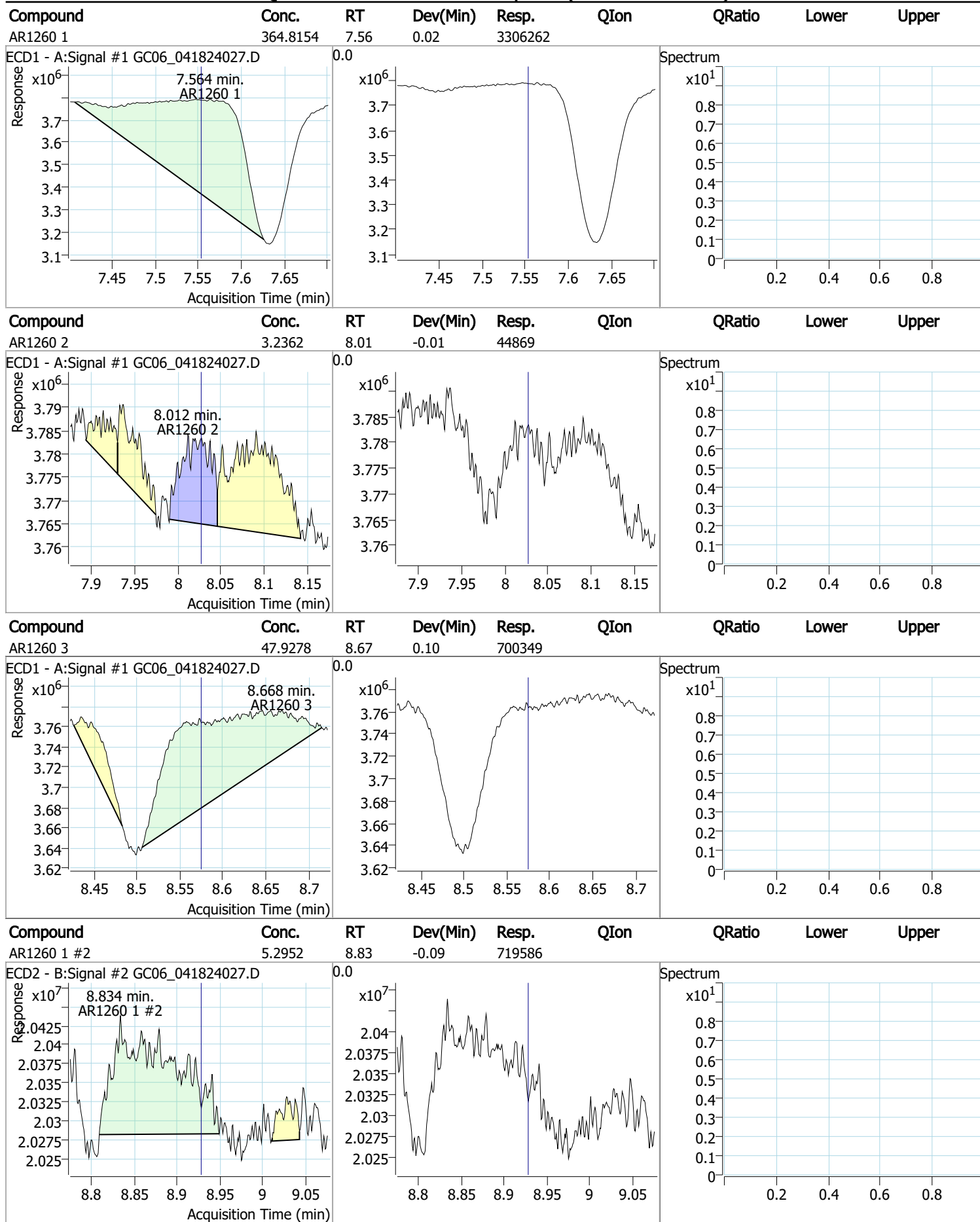
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



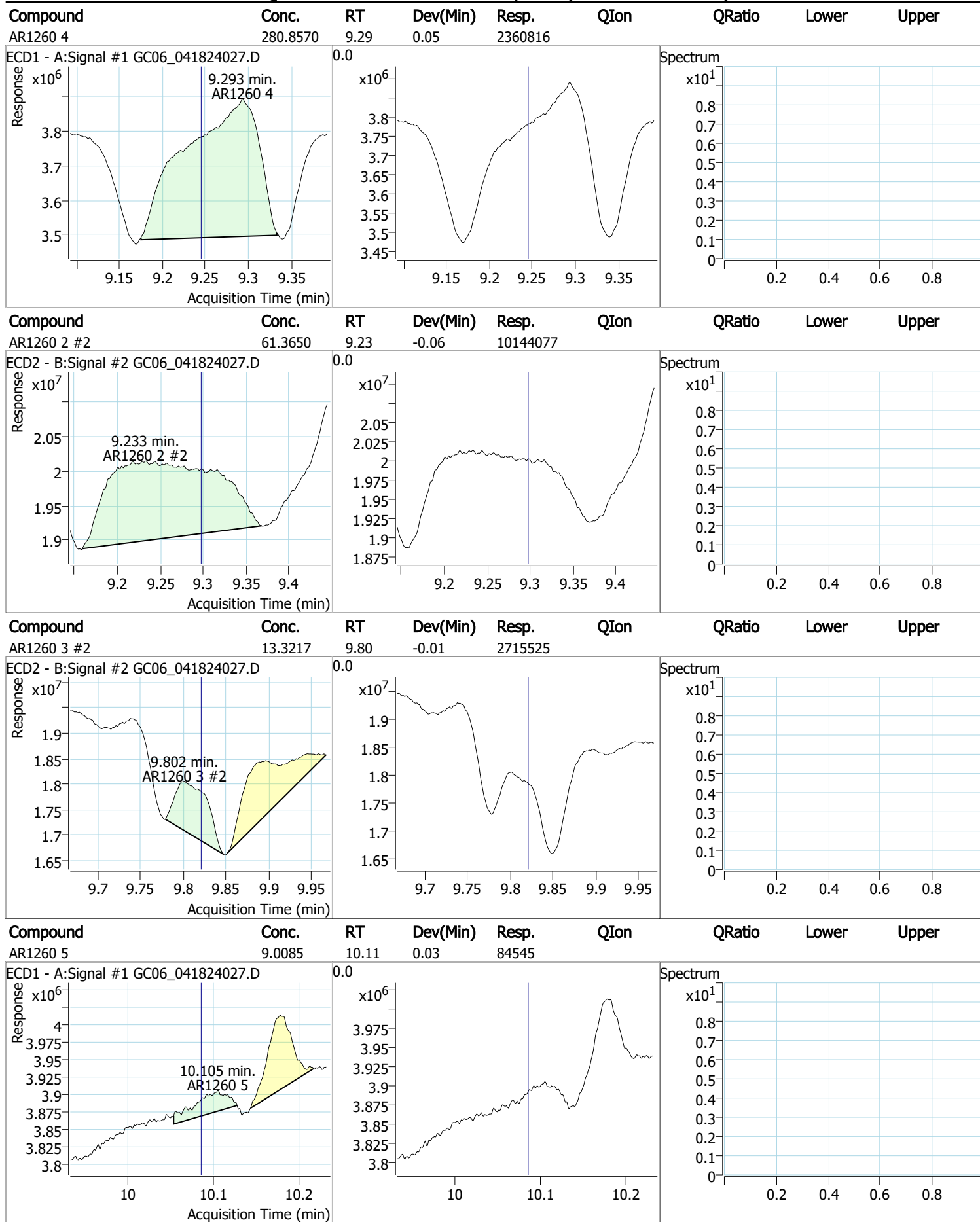
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



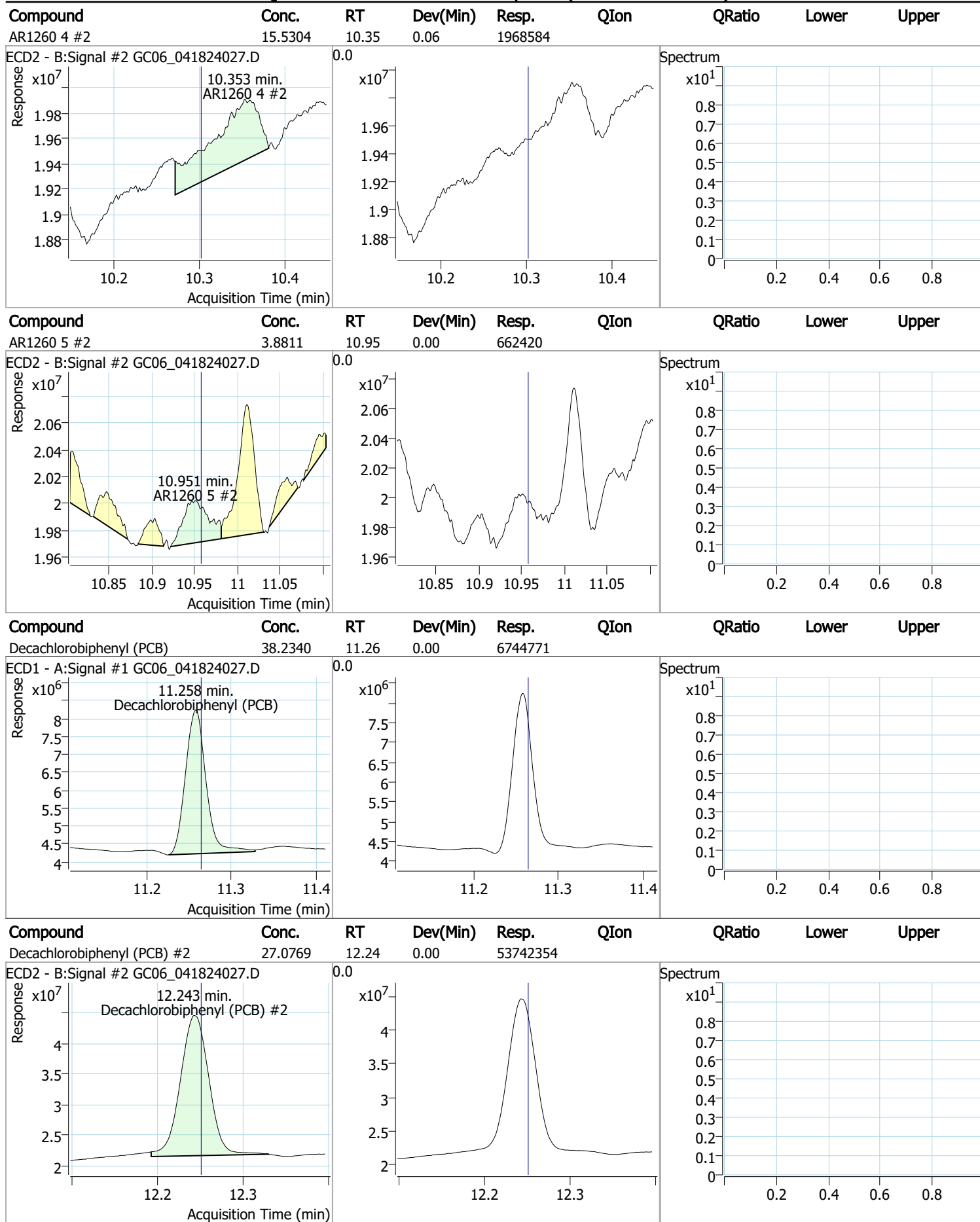
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)





## ENTHALPY SAMPLE USER REPORT FOR EPA 8082

|                      |                      |                                   |
|----------------------|----------------------|-----------------------------------|
| Inst: SVOA-GC06      | Lab ID: 506093-023   | Client ID: 240412-P-FIELDBLANK-LO |
| Seqnum: 454157500028 | Matrix: Wipe         | Acct: RINCON-BERK (JG)            |
| File: gc06_041824028 | Batch: 338024        | Time: 18-APR-2024 17:39           |
| Cal: 454124679002    | Caldate: 26-MAR-2024 |                                   |
| IDF: 1.0             | Raw Units: ug/L      | Units: ug/dm2                     |

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

| Analyte               | Ch | Raw    | Result | Conf | RPD  | RL   | Blank | Flags |
|-----------------------|----|--------|--------|------|------|------|-------|-------|
| <b>Aroclor-1016</b>   | B  | 40.68  | ND     | 0.59 | 36%  | 0.50 |       | u     |
| Aroclor-1016 Peak # 1 | B  | 51.38  | 0.51   | 0.85 | 50%  |      |       |       |
| Aroclor-1016 Peak # 2 | B  | 69.22  | 0.69   | 0.31 | 75%  |      |       |       |
| Aroclor-1016 Peak # 3 | B  | 62.56  | 0.63   | 1.58 | 87%  |      |       |       |
| Aroclor-1016 Peak # 4 | B  | 16.10  | 0.16   | 0.04 | 122% |      |       |       |
| Aroclor-1016 Peak # 5 | B  | 4.129  | 0.04   | 0.14 | 111% |      |       |       |
| <b>Aroclor-1221</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1232</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1242</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1248</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1254</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1260</b>   | B  | 18.14  | ND     | 1.6  | 159% | 0.50 |       | u     |
| Aroclor-1260 Peak # 1 | B  | 3.492  | 0.03   | 3.92 | 196% |      |       |       |
| Aroclor-1260 Peak # 2 | B  | 59.45  | 0.59   | 0.03 | 179% |      |       |       |
| Aroclor-1260 Peak # 3 | B  | 13.63  | 0.14   | 0.53 | 118% |      |       |       |
| Aroclor-1260 Peak # 4 | B  | 13.51  | 0.14   | 3.12 | 183% |      |       |       |
| Aroclor-1260 Peak # 5 | B  | 0.6385 | 0.01   | 0.35 | 193% |      |       |       |
| <b>Aroclor-1262</b>   | B  |        | ND     |      |      | 0.50 |       | u     |
| <b>Aroclor-1268</b>   | B  |        | ND     |      |      | 0.50 |       | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 34.33 | 0.5000 | 0.3433 | 69   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 28.41 | 0.5000 | 0.2841 | 57   | 19-121 | u     |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | SAMPLE Abund | %Drift |
|------------------------------|----|-----------|--------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 51101783     | 15.84  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 2971442      | -2.62  |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | SAMPLE RT | Drift |
|------------------------------|----|--------|-----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.92      | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75      | 0.00  |

04/19/24 : WIPE/1dm2-10ML

u=use

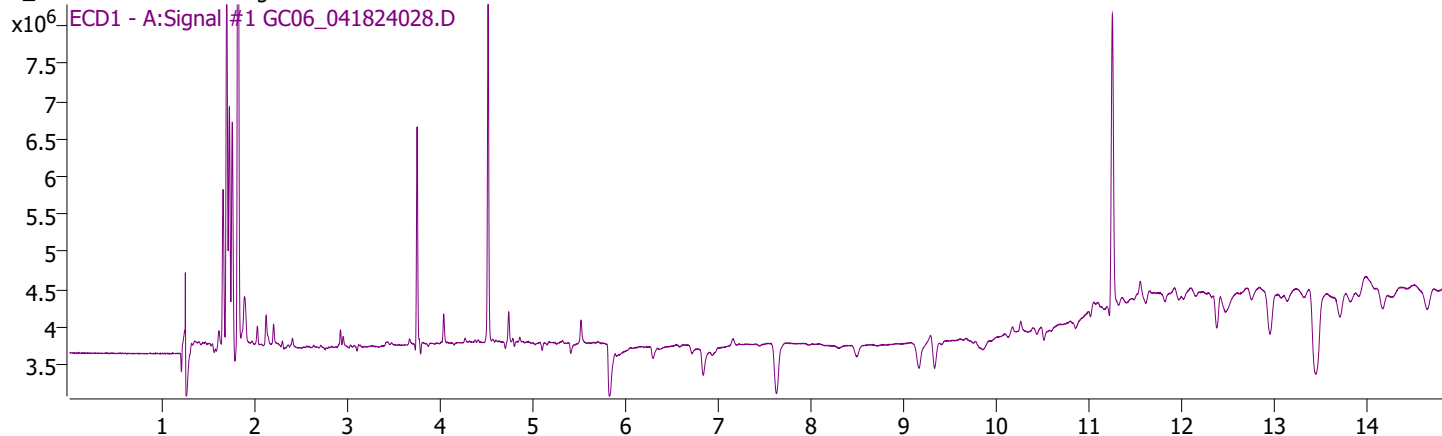
Analyst: MES 04/19/24

Reviewer: LW 04/22/24

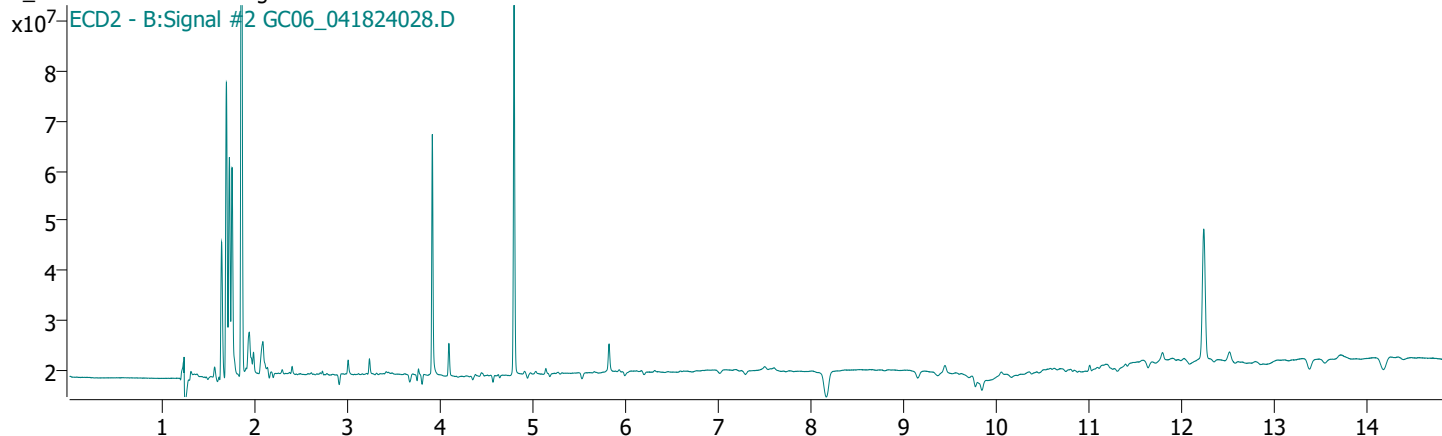
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824028.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 5:39:23 PM  |
| Sample Name    | 506093-023, 338024, 1    | Instrument        | SVOA-GC06             |
| Vial           | 15                       | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824028.D No MS Signals



GC06\_041824028.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.753                | 0.0  | 2971441.74<br>1  | 20.0000            | ng/ml | 0.002    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.917                | 0.0  | 51101783.0<br>45 | 20.0000            | ng/ml | 0.002    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.519                | 0.0  | 4595903.33<br>7  | 34.3549            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 171.77% | *     |          |
| S TCMX (PCB) #2                    | 4.799                | 0.0  | 76063504.8<br>72 | 34.3258            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 171.63% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 6846103.10<br>4  | 38.7023            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 193.51% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.245               | 0.0  | 59345804.1<br>51 | 28.4080            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 142.04% |       |          |

## Target Compounds

QValue

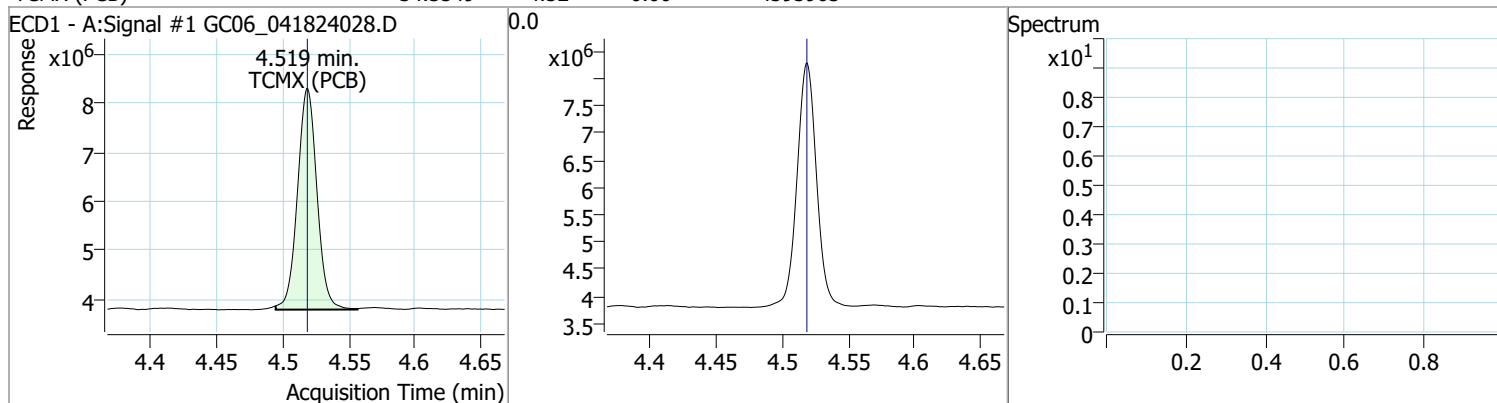
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.    | Units | Dev(Min) |
|---------------|--------|------|--------------|----------|-------|----------|
| T AR1016 1    | 4.860  | 0.0  | 273021.100   | 85.4725  | ng/ml | 100      |
| T AR1016 2    | 5.130  | 0.0  | 192588.697   | 31.3178  | ng/ml | 100      |
| T AR1016 1 #2 | 5.275  | 0.0  | 2426004.483  | 51.3755  | ng/ml | 100      |
| T AR1016 3    | 5.522  | 0.0  | 1191265.502  | 157.9279 | ng/ml | 100      |
| T AR1016 2 #2 | 5.668  | 0.0  | 6539287.407  | 69.2212  | ng/ml | 100      |
| T AR1016 4    | 5.654  | 0.0  | 20928.688    | 3.9298   | ng/ml | 100      |
| T AR1016 5    | 6.175  | 0.0  | 63989.524    | 14.3415  | ng/ml | 100      |
| T AR1016 3 #2 | 6.173  | 0.0  | 8186042.879  | 62.5619  | ng/ml | 100      |
| T AR1016 4 #2 | 6.173  | 0.0  | 1392564.910  | 16.1004  | ng/ml | 100      |
| T AR1016 5 #2 | 6.773  | 0.0  | 298949.977   | 4.1290   | ng/ml | 100      |
| T AR1260 1    | 7.548  | 0.0  | 3558564.716  | 391.5807 | ng/ml | 100      |
| T AR1260 2    | 8.023  | 0.0  | 46508.378    | 3.3453   | ng/ml | 100      |
| T AR1260 3    | 8.673  | 0.0  | 777088.642   | 53.0339  | ng/ml | 100      |
| T AR1260 1 #2 | 8.905  | 0.0  | 499477.913   | 3.4921   | ng/ml | 100      |
| T AR1260 4    | 9.295  | 0.0  | 2631387.700  | 312.1895 | ng/ml | 100      |
| T AR1260 2 #2 | 9.228  | 0.0  | 10343329.162 | 59.4479  | ng/ml | 100      |
| T AR1260 3 #2 | 9.802  | 0.0  | 2924713.423  | 13.6319  | ng/ml | 100      |
| T AR1260 5    | 10.098 | 0.0  | 333727.234   | 35.4623  | ng/ml | 100      |
| T AR1260 4 #2 | 10.360 | 0.0  | 1801864.519  | 13.5058  | ng/ml | 100      |
| T AR1260 5 #2 | 10.968 | 0.0  | 114709.203   | 0.6385   | ng/ml | 100      |

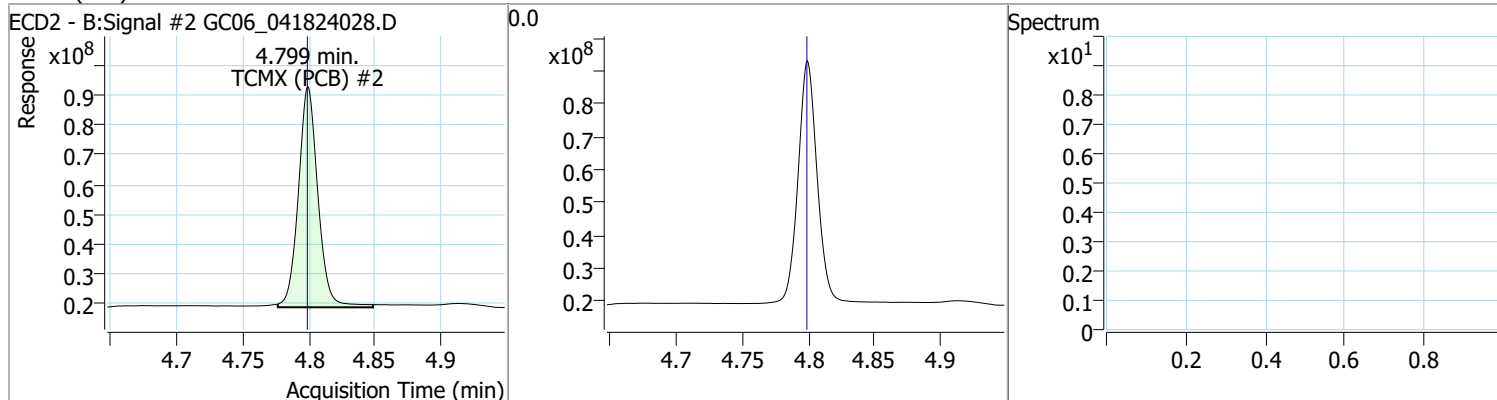
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

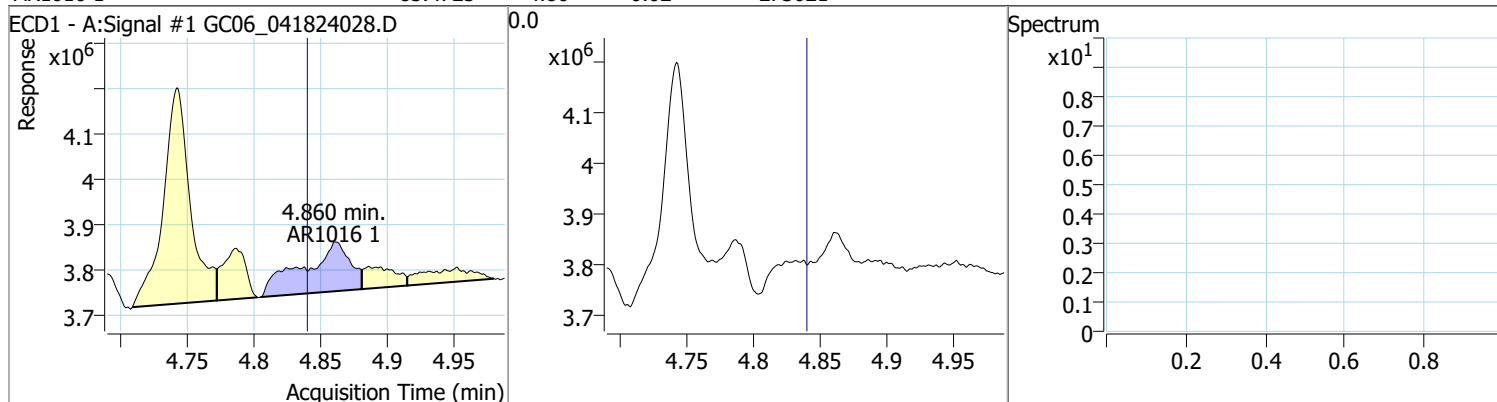
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 34.3549 | 4.52 | 0.00     | 4595903 |      |        |       |       |



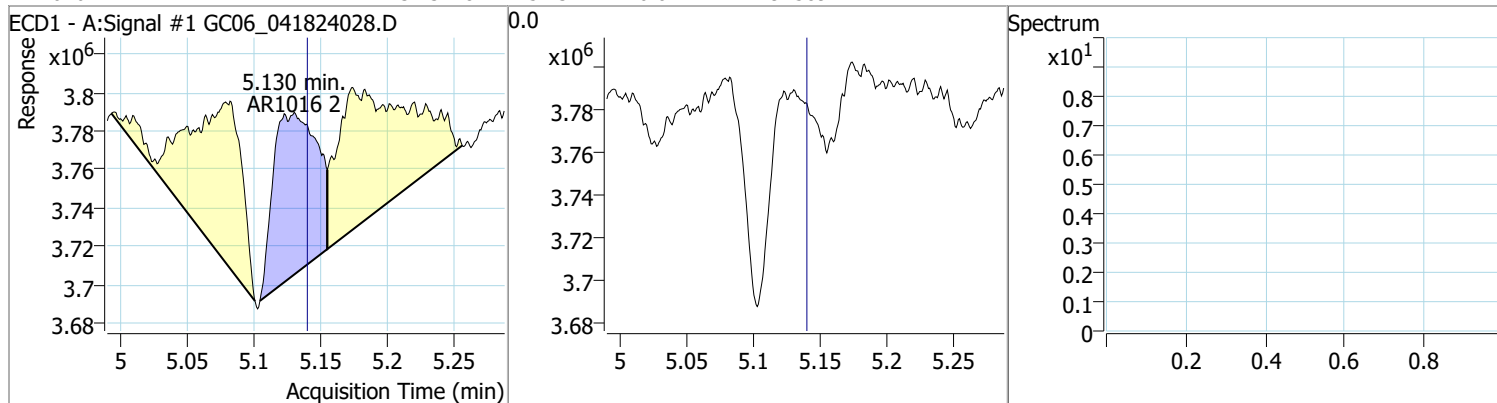
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 34.3258 | 4.80 | 0.00     | 76063505 |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 85.4725 | 4.86 | 0.02     | 273021 |      |        |       |       |

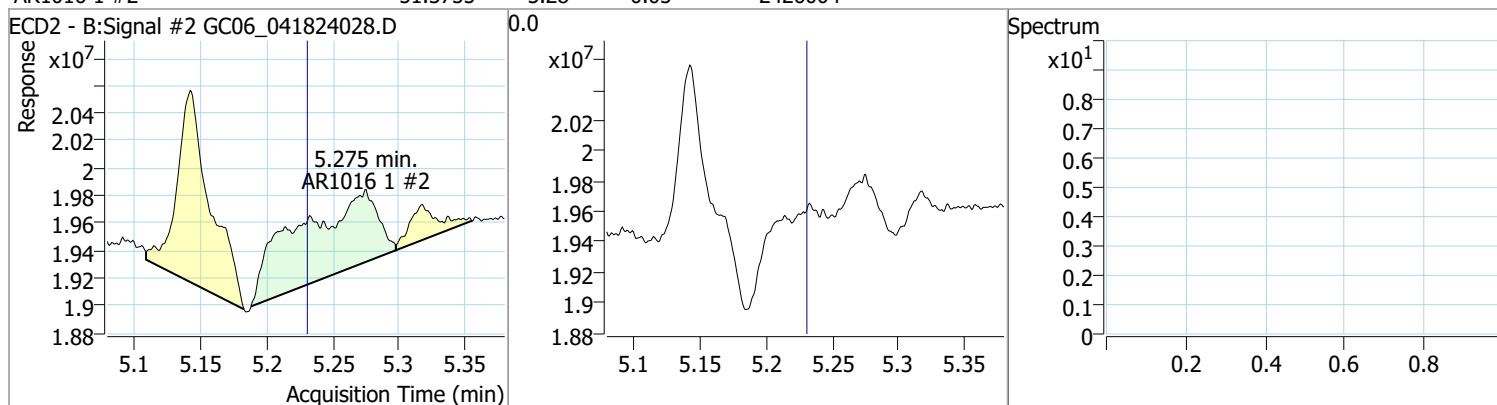


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 31.3178 | 5.13 | -0.01    | 192589 |      |        |       |       |

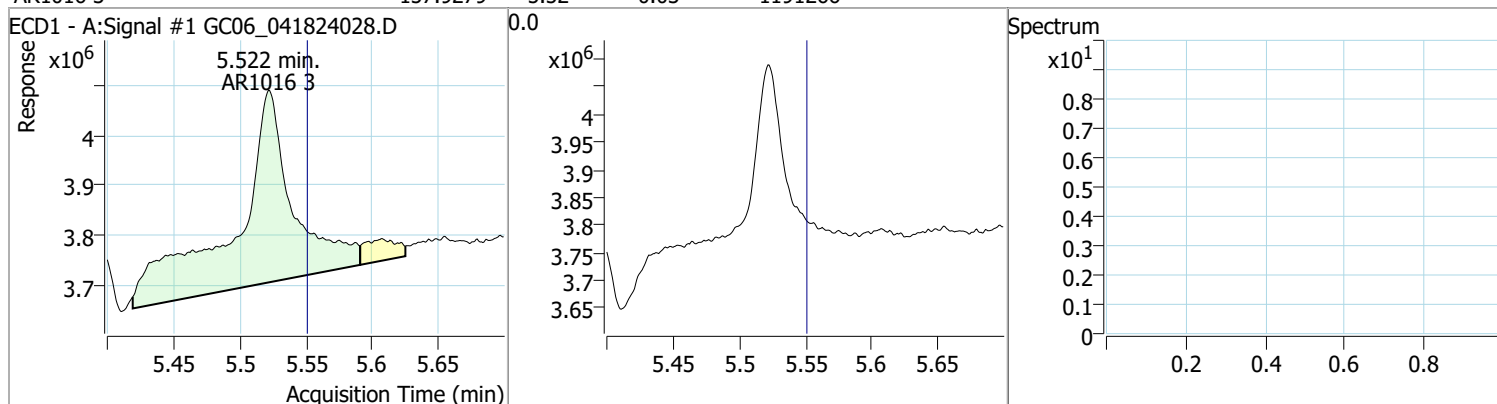


# Quantitation Results Report (Not Reviewed)

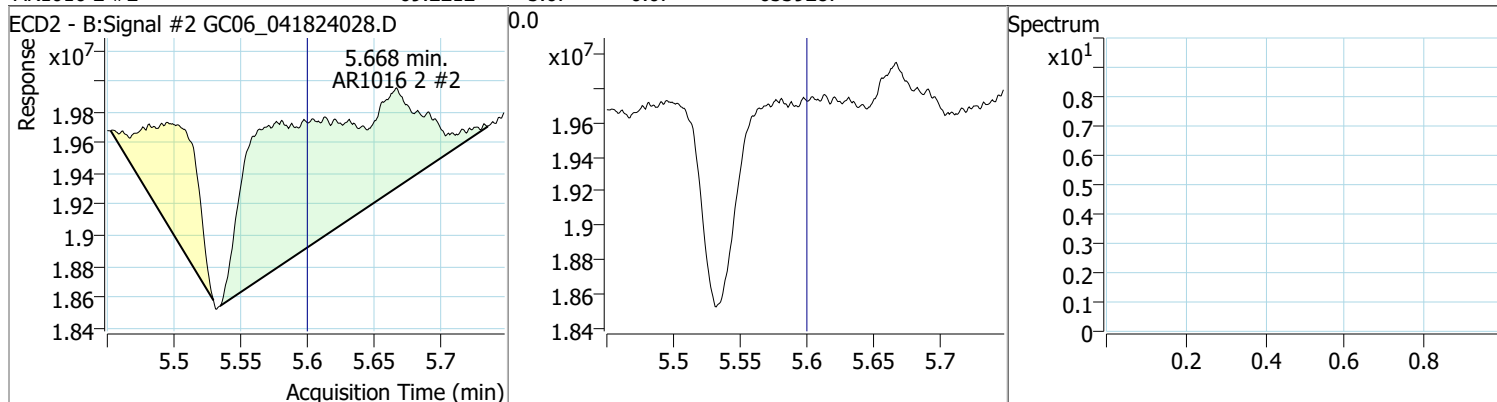
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 51.3755 | 5.28 | 0.05     | 2426004 |      |        |       |       |



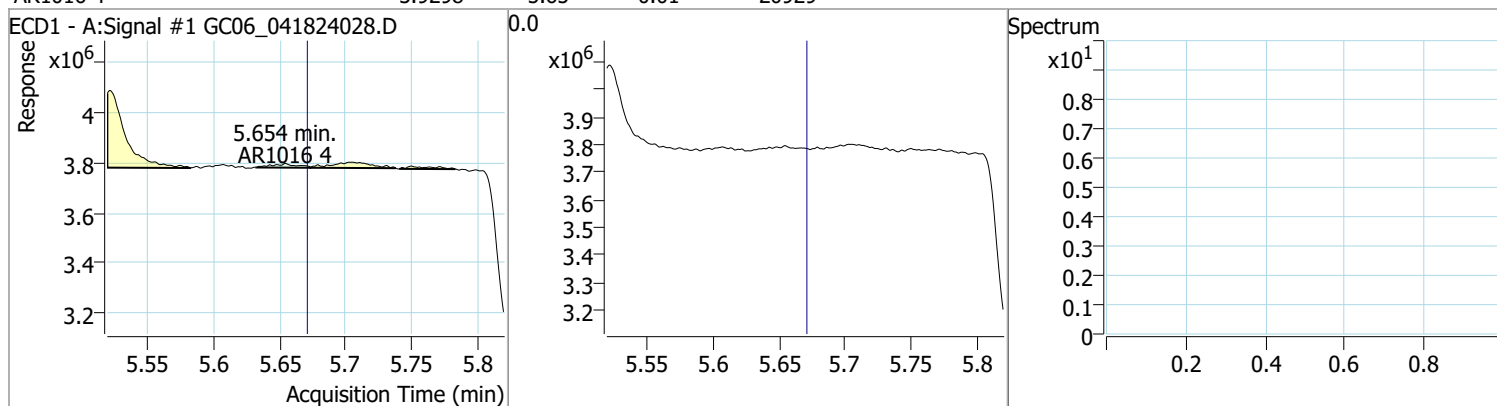
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 3 | 157.9279 | 5.52 | -0.03    | 1191266 |      |        |       |       |



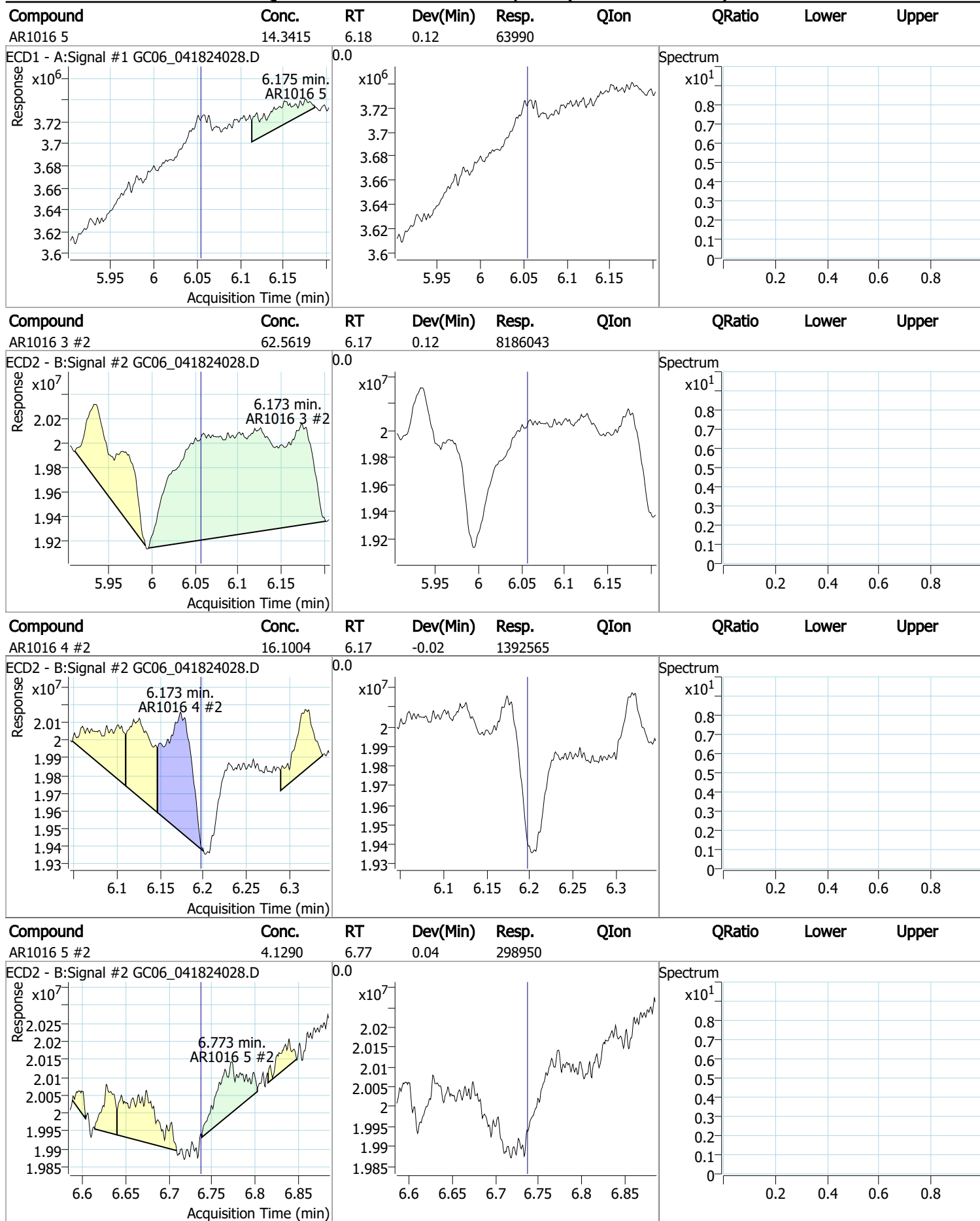
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 69.2212 | 5.67 | 0.07     | 6539287 |      |        |       |       |



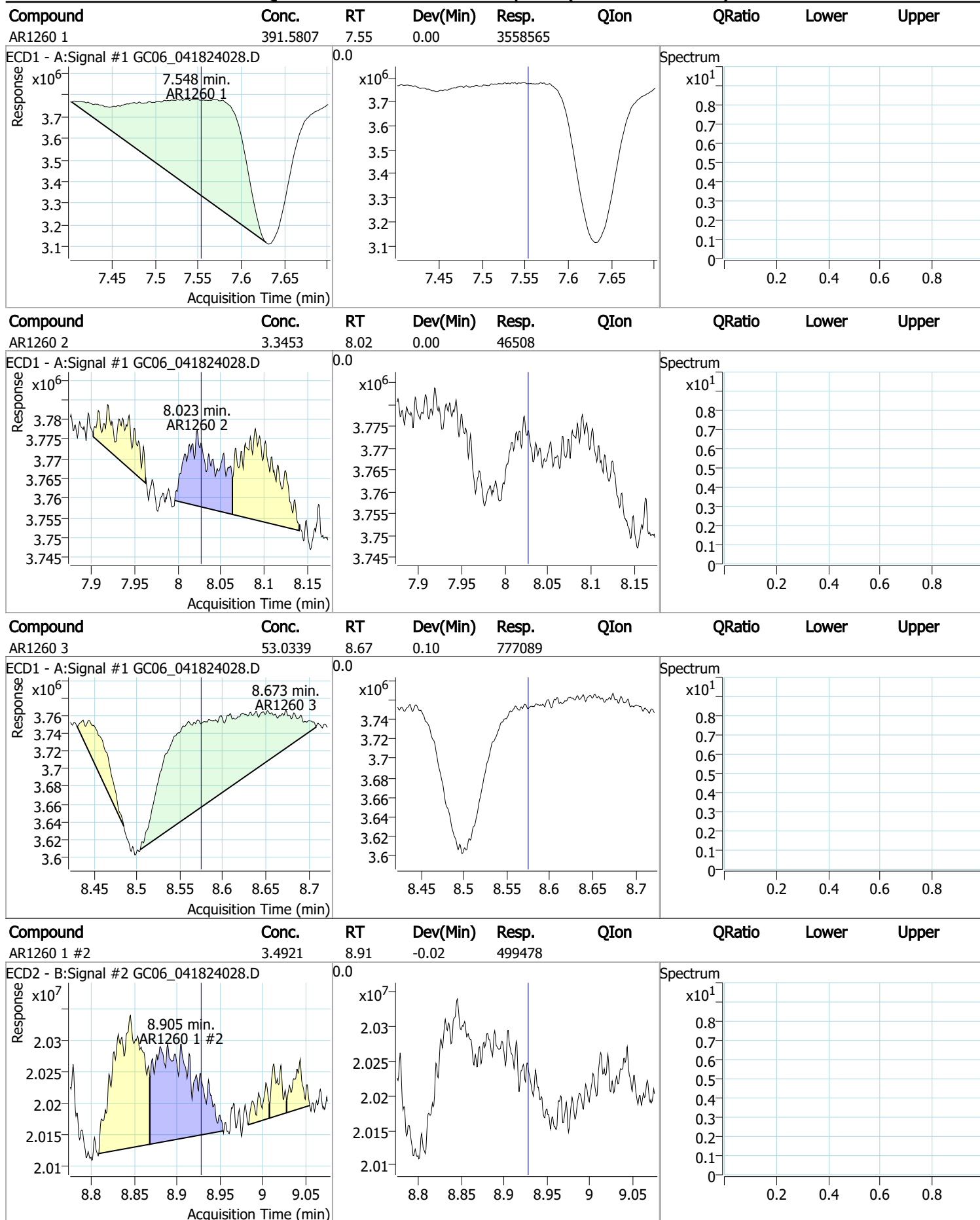
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| AR1016 4 | 3.9298 | 5.65 | -0.01    | 20929 |      |        |       |       |



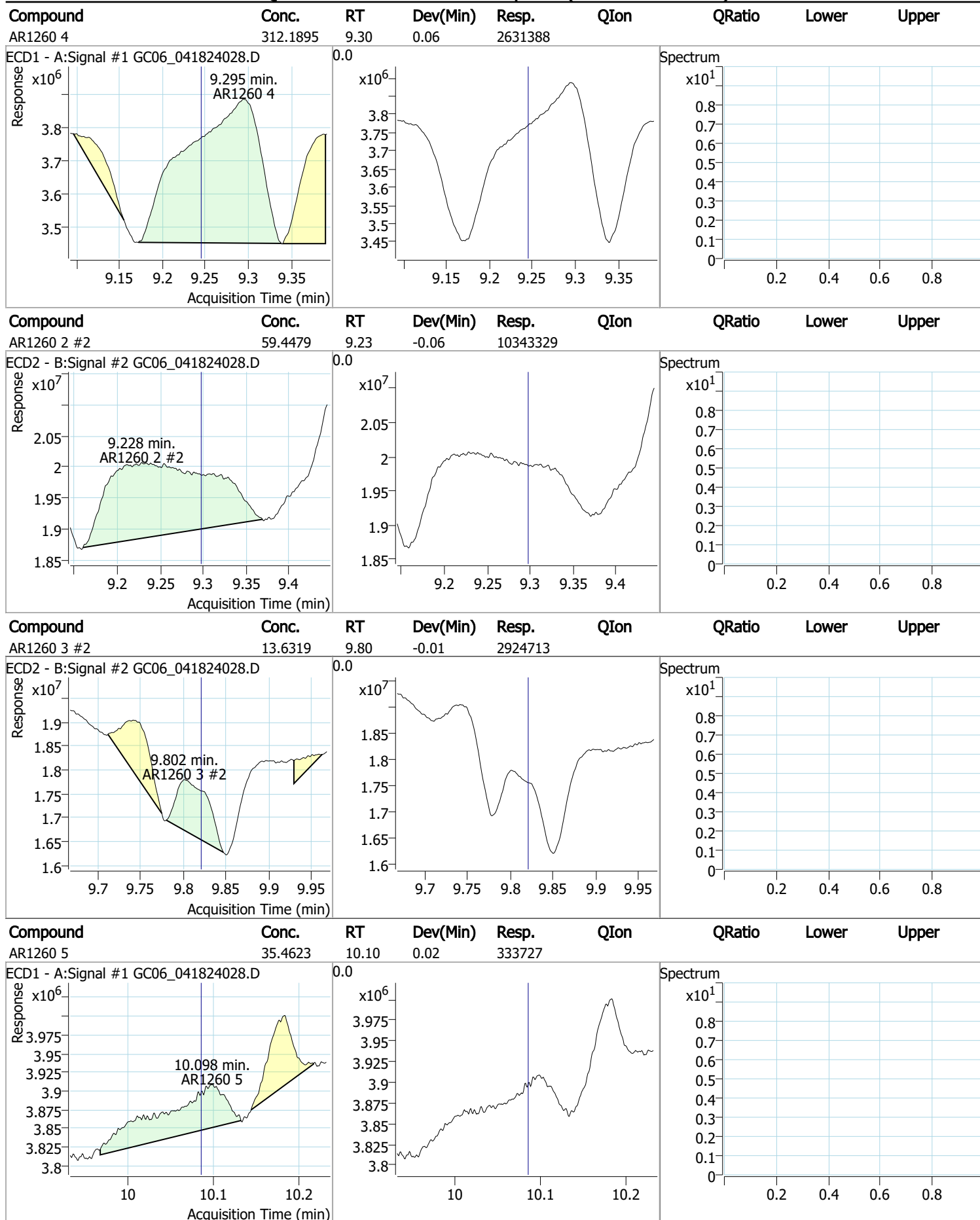
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

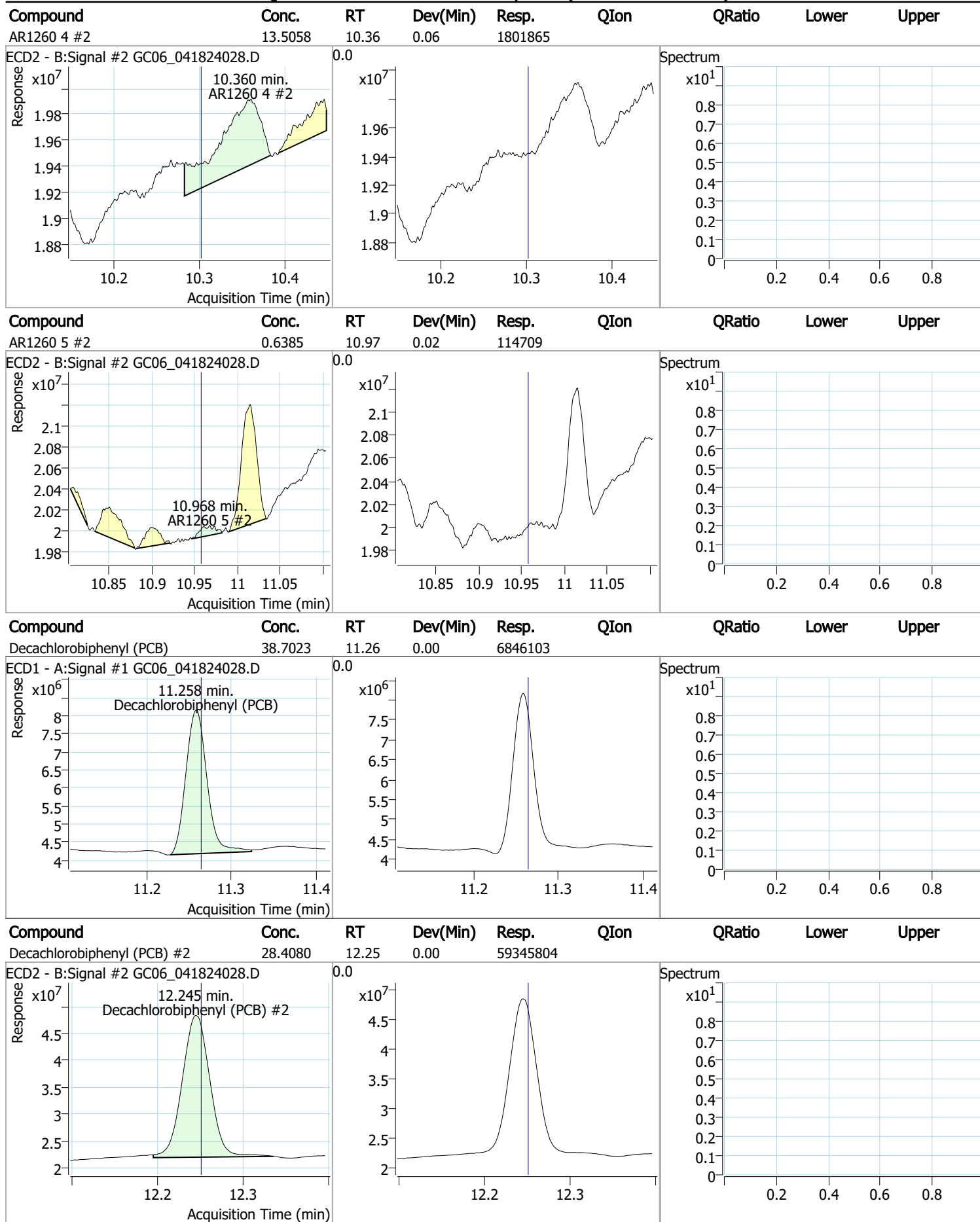


# Quantitation Results Report (Not Reviewed)





# Quantitation Results Report (Not Reviewed)



## QC Raw Data

## ENTHALPY BLANK USER REPORT FOR 506093 PCBS Wipe

EPA 8082

|                        |                      |                         |
|------------------------|----------------------|-------------------------|
| Inst: SVOA-GC06        | Lab ID: QC1145360    |                         |
| Seqnum: 454157500010.1 | Matrix: Wipe         |                         |
| File: gc06_041824010   | Batch: 338024        | Time: 18-APR-2024 11:27 |
| Cal: 454124679002      | Caldate: 26-MAR-2024 |                         |
| IDF: 1.0               | Raw Units: ug/L      | Units: ug/dm2           |

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

| Analyte               | Ch | Raw    | Result | Conf | RPD  | RL   | Flags |
|-----------------------|----|--------|--------|------|------|------|-------|
| <b>Aroclor-1016</b>   | B  | 22.67  | ND     | 0.31 | 31%  | 0.50 | u     |
| Aroclor-1016 Peak # 1 | B  | 47.99  | 0.48   | 0.68 | 34%  |      |       |
| Aroclor-1016 Peak # 2 | B  | 51.82  | 0.52   | 0.59 | 12%  |      |       |
| Aroclor-1016 Peak # 3 | B  | 9.099  | 0.09   | 0.05 | 67%  |      |       |
| Aroclor-1016 Peak # 4 | B  | 3.144  | 0.03   | 0.09 | 99%  |      |       |
| Aroclor-1016 Peak # 5 | B  | 1.272  | 0.01   | 0.14 | 168% |      |       |
| <b>Aroclor-1221</b>   | B  |        | ND     |      |      | 0.50 | u     |
| <b>Aroclor-1232</b>   | B  |        | ND     |      |      | 0.50 | u     |
| <b>Aroclor-1242</b>   | B  |        | ND     |      |      | 0.50 | u     |
| <b>Aroclor-1248</b>   | B  |        | ND     |      |      | 0.50 | u     |
| <b>Aroclor-1254</b>   | B  |        | ND     |      |      | 0.50 | u     |
| <b>Aroclor-1260</b>   | B  | 5.530  | ND     | 0.80 | 174% | 0.50 | u     |
| Aroclor-1260 Peak # 1 | B  | 0.1662 | 0.00   | 2.31 | 200% |      |       |
| Aroclor-1260 Peak # 2 | B  | 4.533  | 0.05   | 0.01 | 105% |      |       |
| Aroclor-1260 Peak # 3 | B  | 9.215  | 0.09   | 0.22 | 81%  |      |       |
| Aroclor-1260 Peak # 4 | B  | 4.839  | 0.05   | 1.43 | 187% |      |       |
| Aroclor-1260 Peak # 5 | B  | 8.896  | 0.09   | 0.04 | 81%  |      |       |
| <b>Aroclor-1262</b>   | B  |        | ND     |      |      | 0.50 | u     |
| <b>Aroclor-1268</b>   | B  |        | ND     |      |      | 0.50 | u     |

| Surrogate                       | Ch | Raw   | Spiked | Result | %Rec | Limits | Flags |
|---------------------------------|----|-------|--------|--------|------|--------|-------|
| <b>TCMX (PCB)</b>               | B  | 42.03 | 0.5000 | 0.4203 | 84   | 19-121 | u     |
| <b>Decachlorobiphenyl (PCB)</b> | B  | 35.88 | 0.5000 | 0.3588 | 72   | 19-121 | u     |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | BLANK Abund | %Drift |
|------------------------------|----|-----------|-------------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 49751815    | 12.78  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3089054     | 1.23   |

## NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | BLANK RT | Drift |
|------------------------------|----|--------|----------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91     | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75     | 0.00  |

04/19/24 : WIPE/1dm2-10ML [general version]

u=use

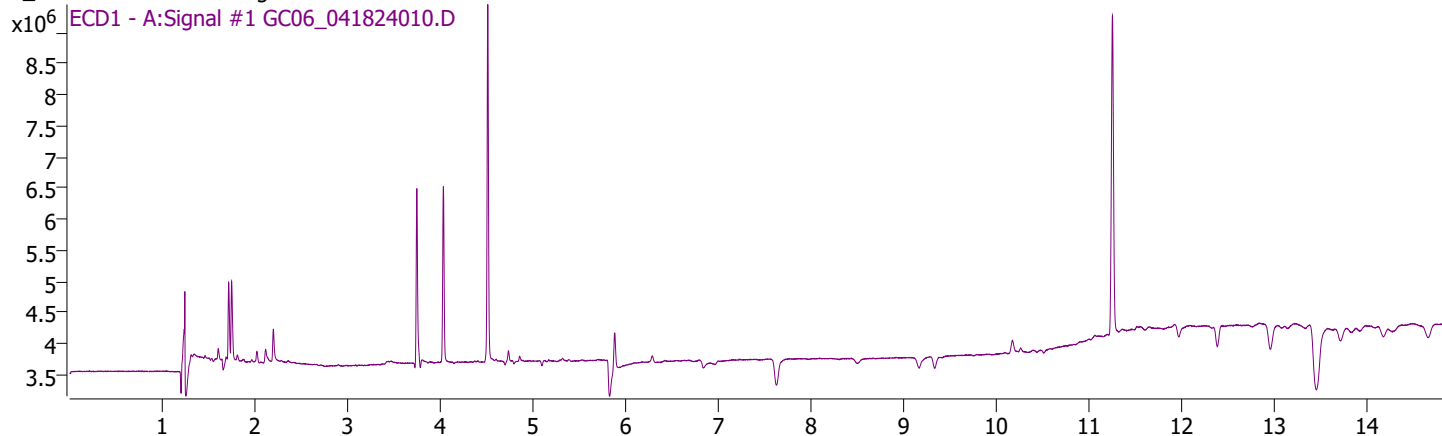
Analyst: MES 04/19/24

Reviewer: LW 04/22/24

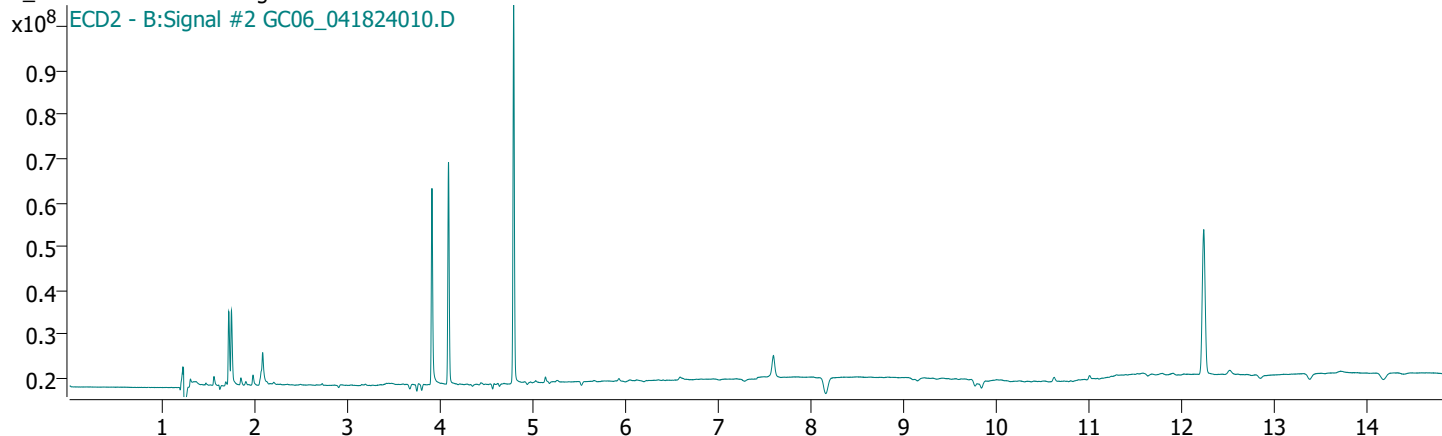
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824010.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 11:27:08 AM |
| Sample Name    | QC1145360, 338024, 1     | Instrument        | SVOA-GC06             |
| Vial           | 1                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824010.D No MS Signals



GC06\_041824010.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.750                | 0.0  | 3089053.850  | 20.0000            | ng/ml | -0.001   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 49751815.066 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.516                | 0.0  | 6036356.734  | 43.4044            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 217.02% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 90669065.544 | 42.0273            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 210.14% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.261               | 0.0  | 8330105.775  | 45.2987            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 226.49% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.247               | 0.0  | 72976615.836 | 35.8808            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 179.40% | *     |          |

## Target Compounds

QValue

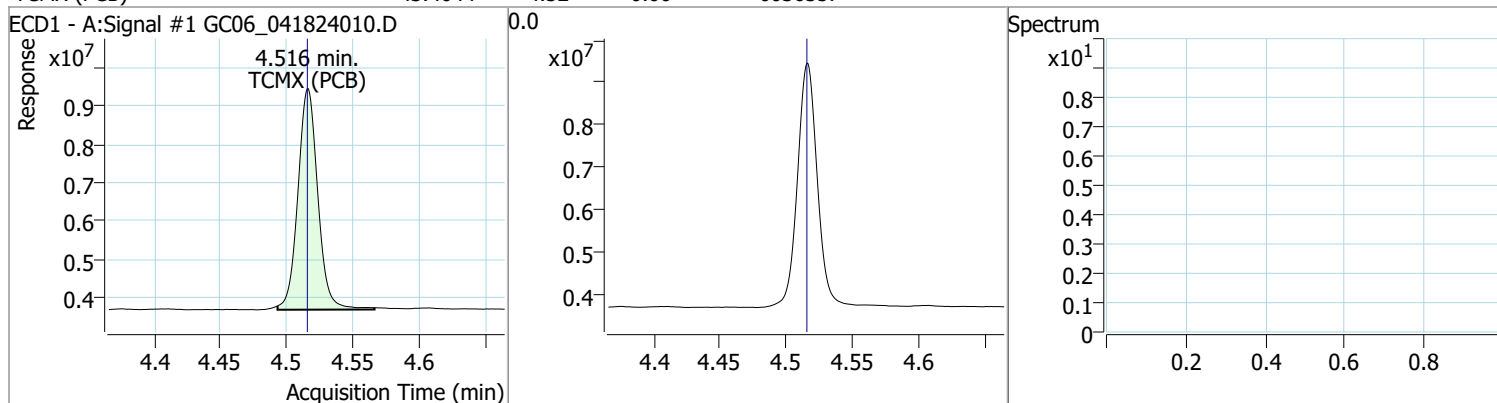
## Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.           | Conc.    | Units | Dev(Min) |
|---------------|--------|------|-----------------|----------|-------|----------|
| T AR1016 1    | 4.859  | 0.0  | 224512.214      | 67.6102  | ng/ml | 100      |
| T AR1016 2    | 5.177  | 0.0  | 375444.465      | 58.7284  | ng/ml | 100      |
| T AR1016 1 #2 | 5.270  | 0.0  | 2206297.14<br>7 | 47.9905  | ng/ml | 100      |
| T AR1016 3    | 5.534  | 0.0  | 35415.157       | 4.5163   | ng/ml | 100      |
| T AR1016 2 #2 | 5.662  | 0.0  | 4766167.59<br>4 | 51.8209  | ng/ml | 100      |
| T AR1016 4    | 5.718  | 0.0  | 51446.158       | 9.2924   | ng/ml | 100      |
| T AR1016 5    | 6.110  | 0.0  | 67235.499       | 14.4953  | ng/ml | 100      |
| T AR1016 3 #2 | 6.057  | 0.0  | 1159143.10<br>8 | 9.0991   | ng/ml | 100      |
| T AR1016 4 #2 | 6.230  | 0.0  | 264721.920      | 3.1437   | ng/ml | 100      |
| T AR1016 5 #2 | 6.768  | 0.0  | 89663.322       | 1.2720   | ng/ml | 100      |
| T AR1260 1    | 7.529  | 0.0  | 2181889.26<br>9 | 230.9515 | ng/ml | 100      |
| T AR1260 2    | 8.026  | 0.0  | 20281.034       | 1.4033   | ng/ml | 100      |
| T AR1260 3    | 8.673  | 0.0  | 331085.661      | 21.7353  | ng/ml | 100      |
| T AR1260 1 #2 | 8.945  | 0.0  | 23138.515       | 0.1662   | ng/ml | 100      |
| T AR1260 4    | 9.288  | 0.0  | 1253854.97<br>3 | 143.0943 | ng/ml | 100      |
| T AR1260 2 #2 | 9.314  | 0.0  | 767820.631      | 4.5328   | ng/ml | 100      |
| T AR1260 3 #2 | 9.796  | 0.0  | 1924930.02<br>4 | 9.2154   | ng/ml | 100      |
| T AR1260 5    | 10.097 | 0.0  | 36874.077       | 3.7691   | ng/ml | 100      |
| T AR1260 4 #2 | 10.257 | 0.0  | 628584.162      | 4.8394   | ng/ml | 100      |
| T AR1260 5 #2 | 11.014 | 0.0  | 1555916.15<br>4 | 8.8961   | ng/ml | 100      |

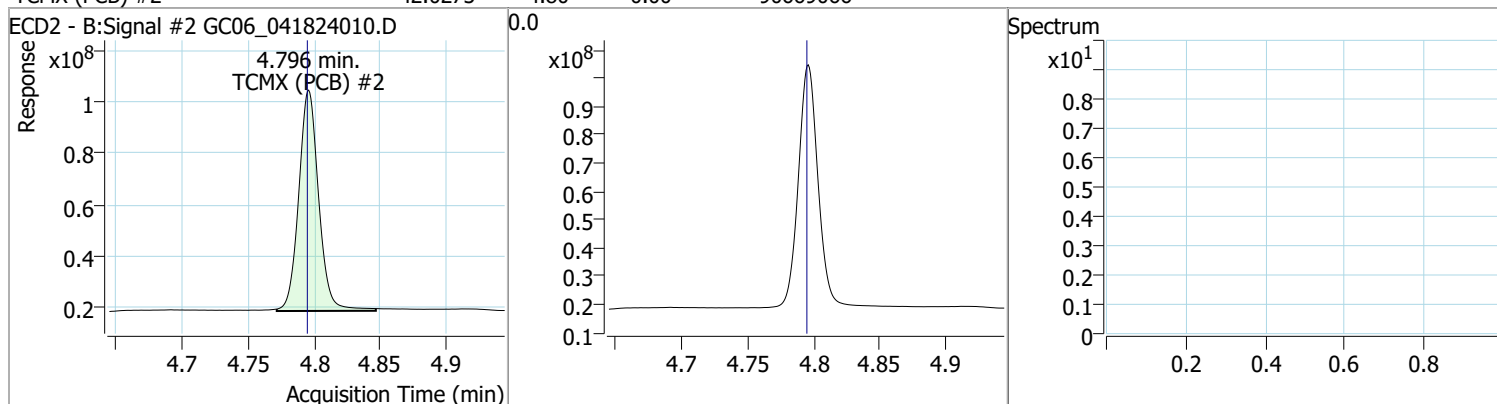
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

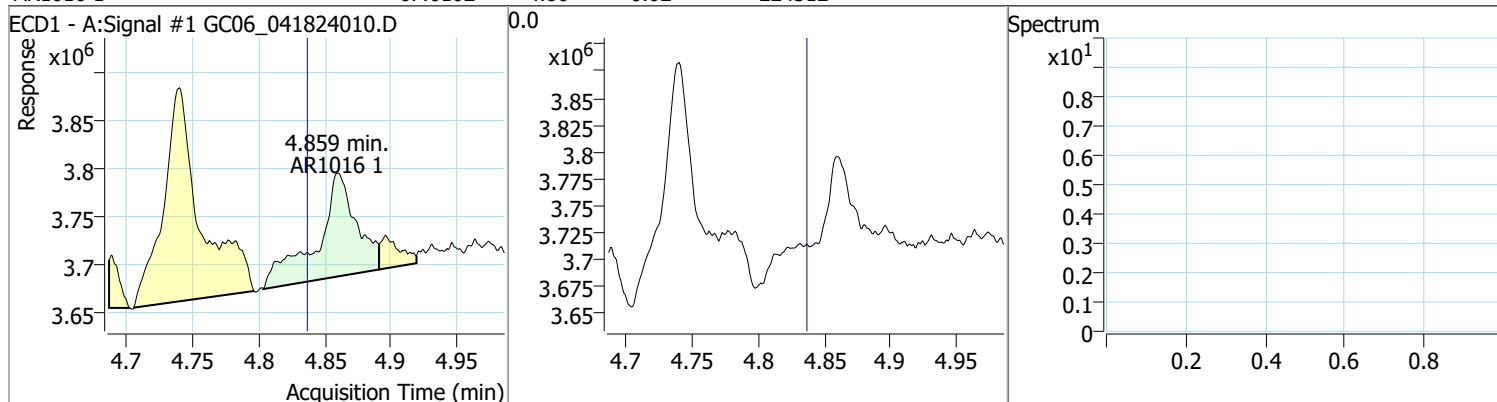
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 43.4044 | 4.52 | 0.00     | 6036357 |      |        |       |       |



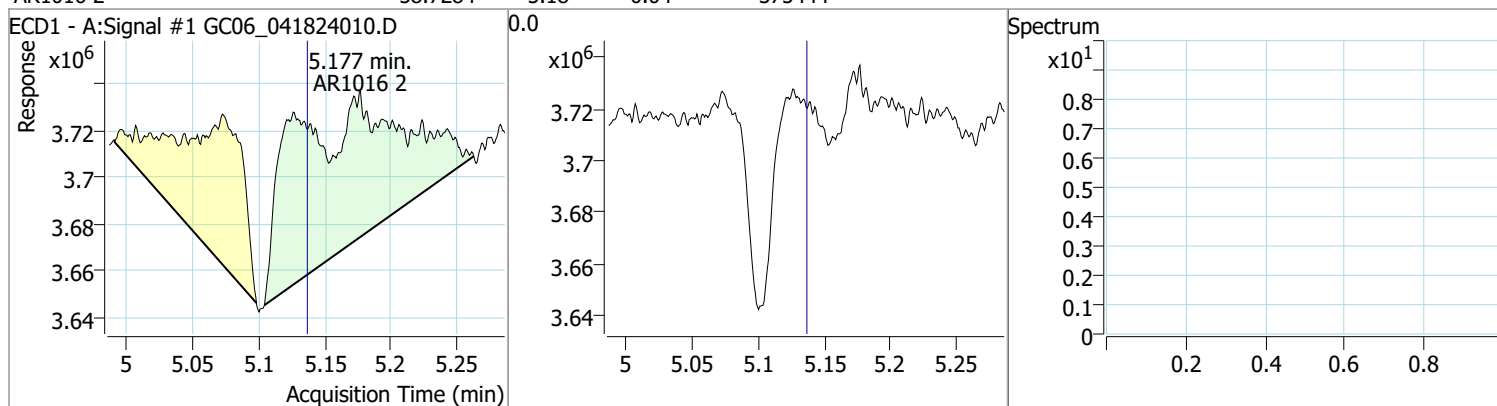
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 42.0273 | 4.80 | 0.00     | 90669066 |      |        |       |       |



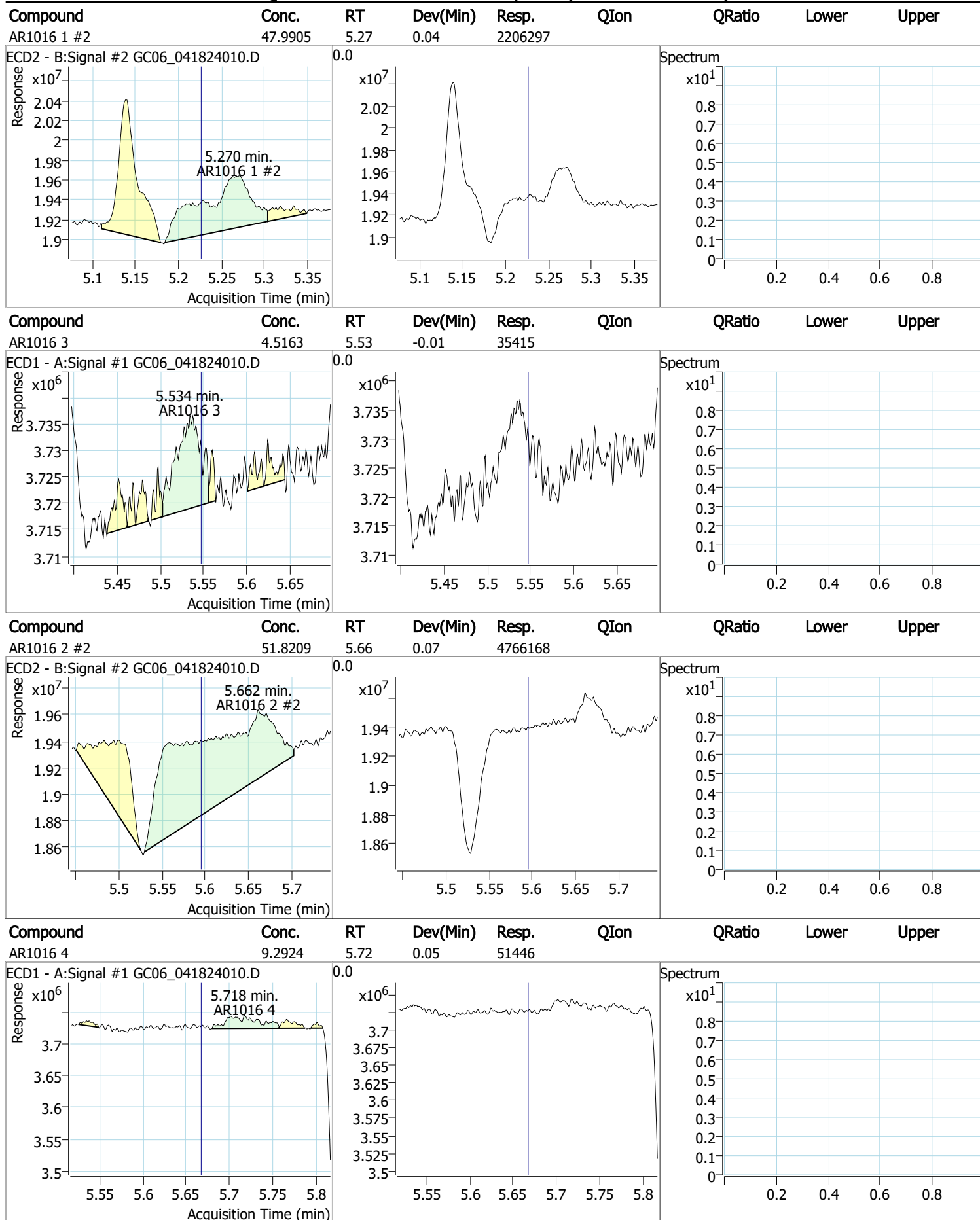
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 67.6102 | 4.86 | 0.02     | 224512 |      |        |       |       |



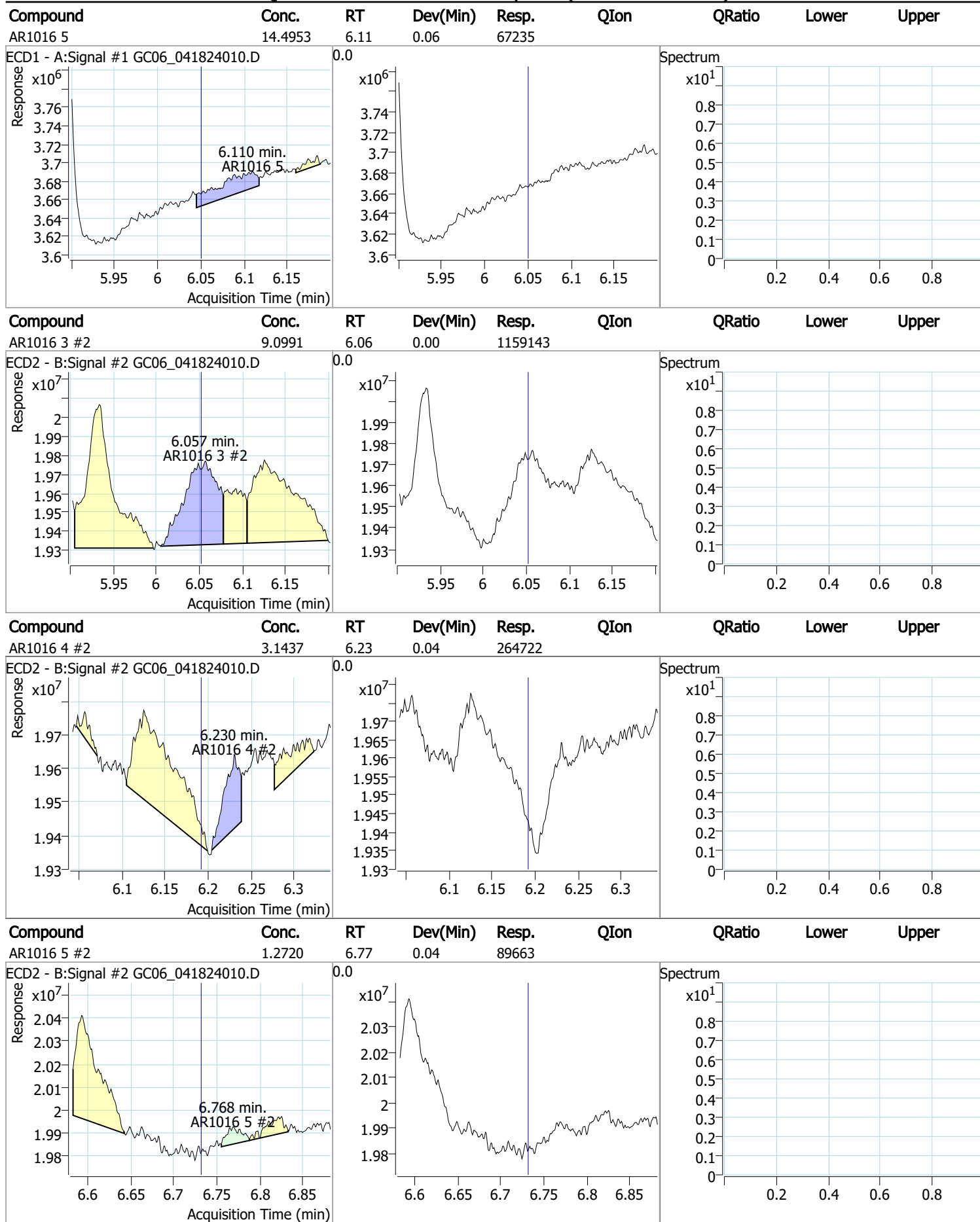
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 58.7284 | 5.18 | 0.04     | 375444 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

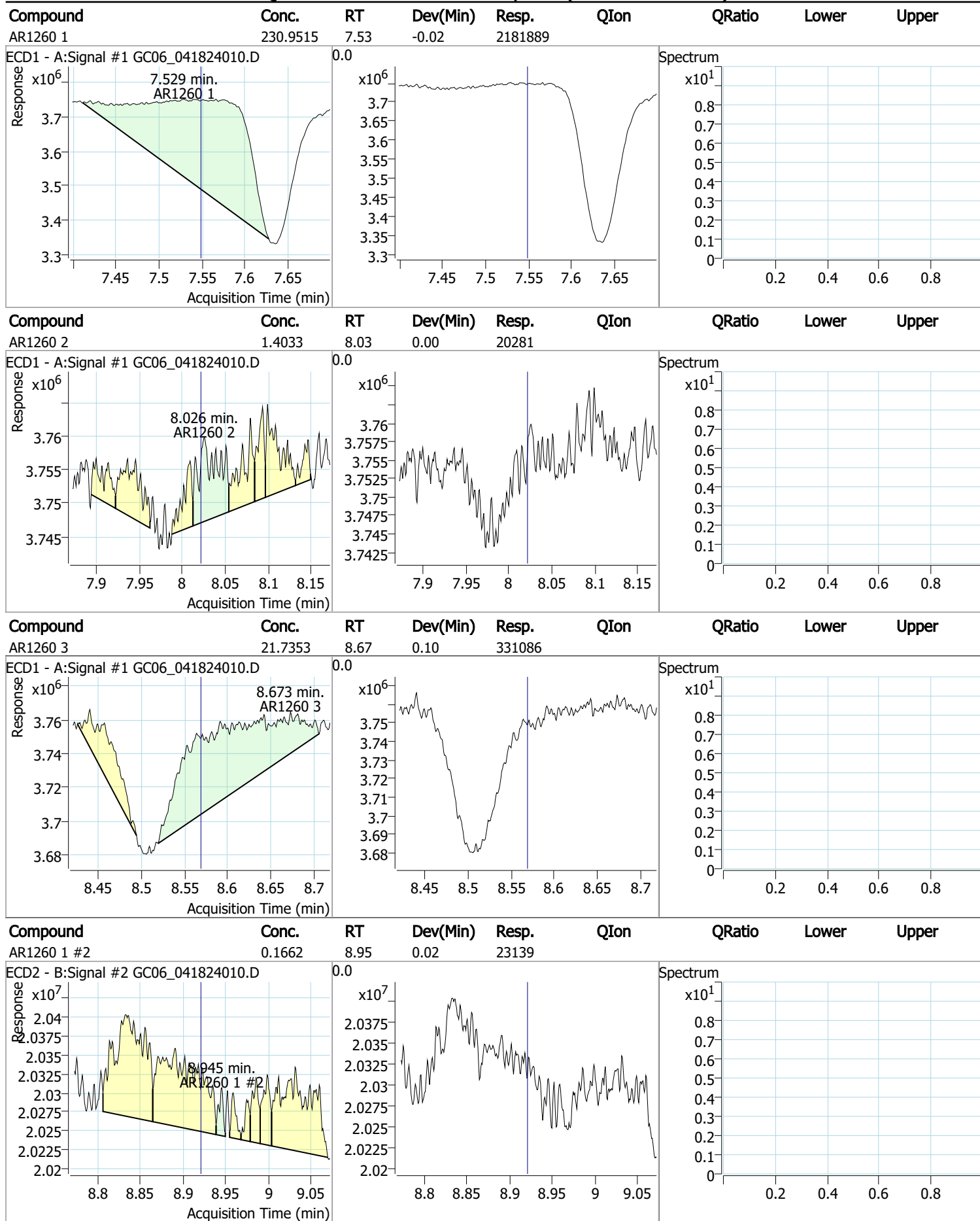


# Quantitation Results Report (Not Reviewed)

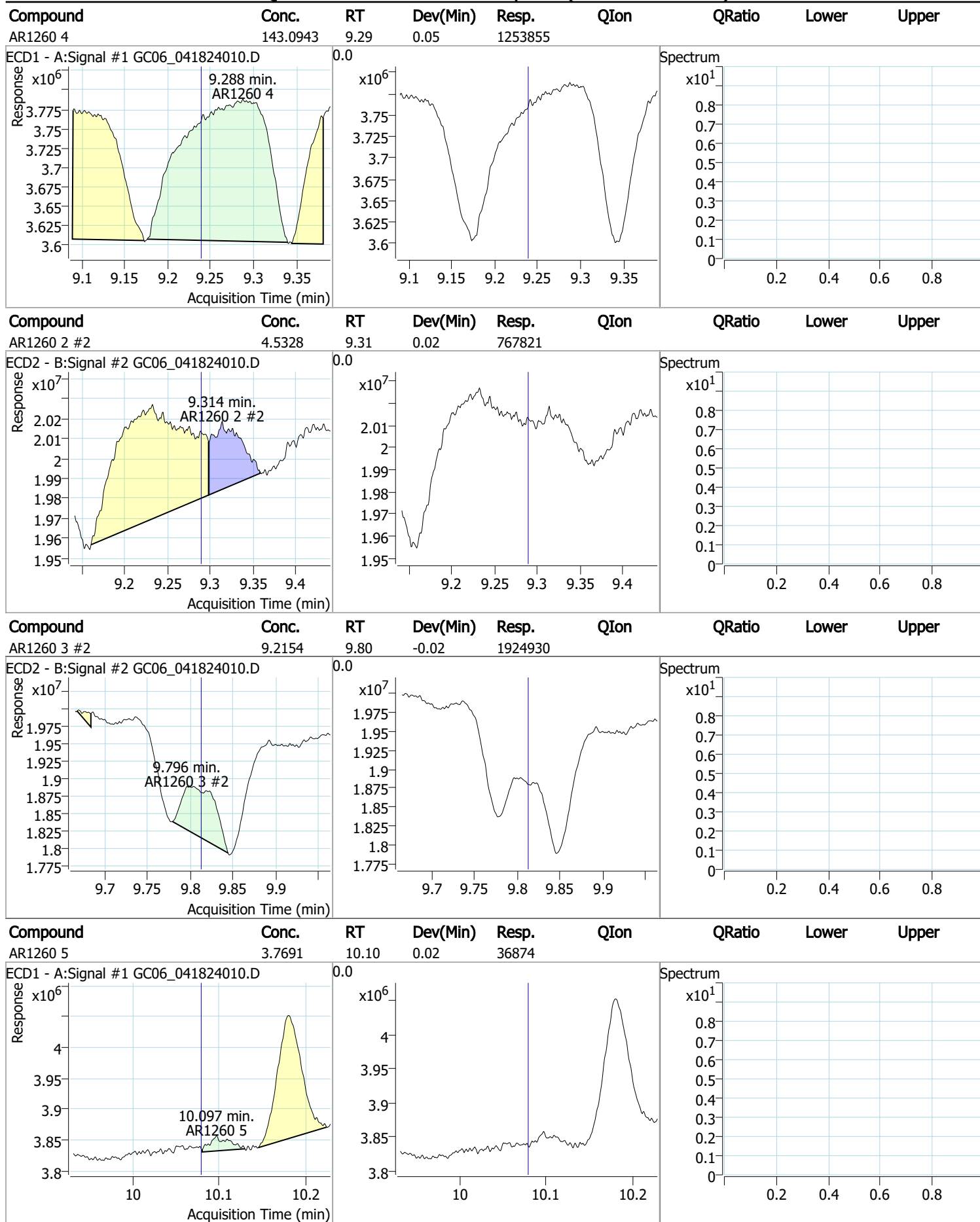




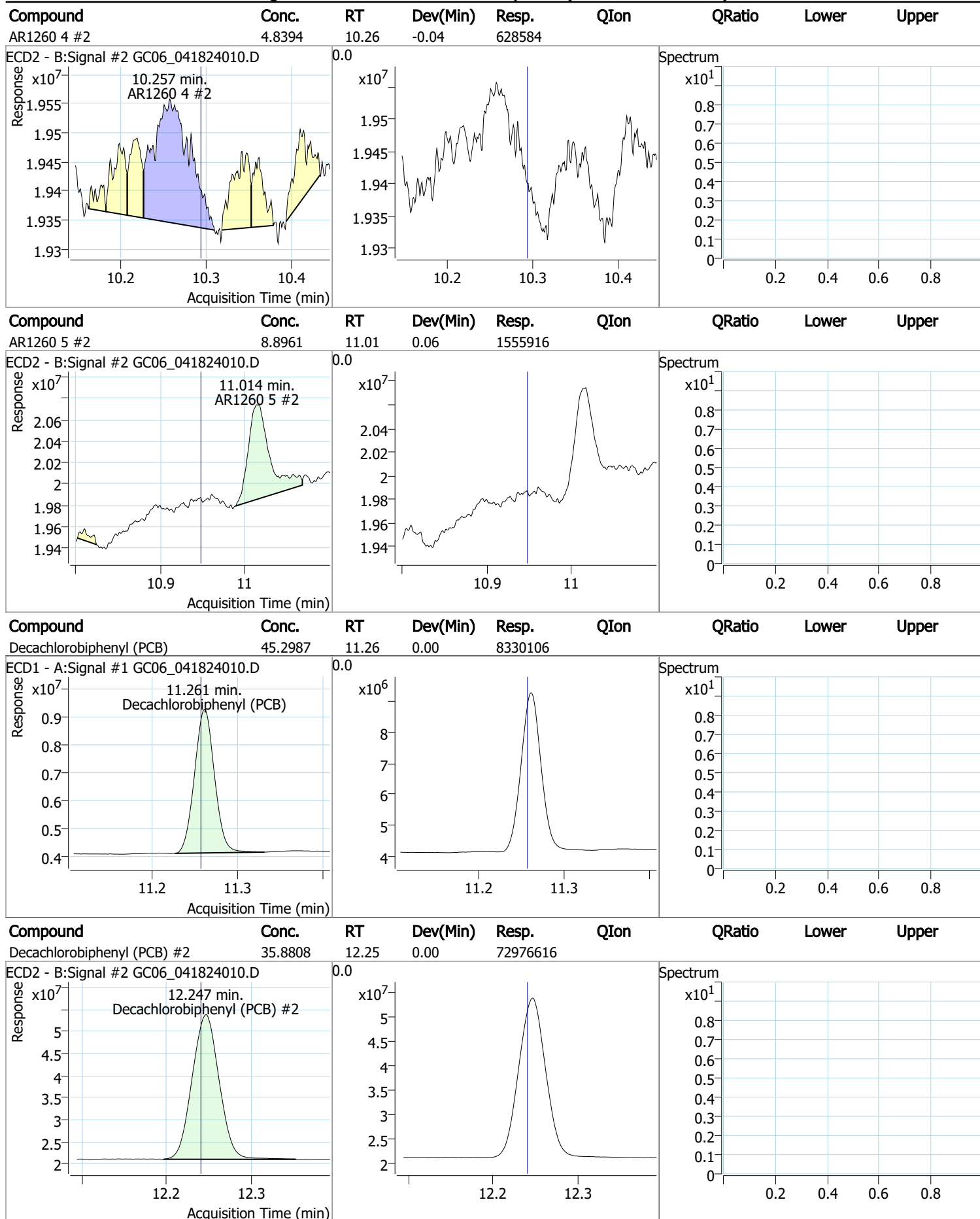
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



ENTHALPY SPIKE USER REPORT FOR 506093 PCBS Wipe  
EPA 8082

|                         |                         |
|-------------------------|-------------------------|
| Type: BS                | Type: BSD               |
| Inst: SVOA-GC06         | Inst: SVOA-GC06         |
| Seqnum: 454157500011.1  | Seqnum: 454157500012.1  |
| File: gc06_041824011    | File: gc06_041824012    |
| IDF: 1.0                | IDF: 1.0                |
| Lab ID: QC1145361       | Lab ID: QC1145362       |
| Matrix: Wipe            | Matrix: Wipe            |
| Batch: 338024           | Batch: 338024           |
| Time: 18-APR-2024 11:47 | Time: 18-APR-2024 12:08 |
| Cal: 454124679002       | Cal: 454124679002       |
| 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 |
|---------------------------------|--------|--------|-----------|----|------|---------|------------|----|------|--------|-----|-----|-------|
| <b>Aroclor-1016</b>             | 5.000  | 443.5  | 4.435     | B  | 89   | 430.9   | 4.309      | B  | 86   | 60-140 | 3   | 20  | u     |
| Aroclor-1016 Peak # 1           |        | 430.6  | 4.306     | B  |      | 408.5   | 4.085      | B  |      |        |     |     |       |
| Aroclor-1016 Peak # 2           |        | 466.0  | 4.660     | B  |      | 445.7   | 4.457      | B  |      |        |     |     |       |
| Aroclor-1016 Peak # 3           |        | 441.5  | 4.415     | B  |      | 432.8   | 4.328      | B  |      |        |     |     |       |
| Aroclor-1016 Peak # 4           |        | 452.7  | 4.527     | B  |      | 442.7   | 4.427      | B  |      |        |     |     |       |
| Aroclor-1016 Peak # 5           |        | 426.8  | 4.268     | B  |      | 425.1   | 4.251      | B  |      |        |     |     |       |
| <b>Aroclor-1260</b>             | 5.000  | 384.7  | 3.847     | B  | 77   | 380.8   | 3.808      | B  | 76   | 60-140 | 1   | 20  | u     |
| Aroclor-1260 Peak # 1           |        | 446.8  | 4.468     | B  |      | 449.6   | 4.496      | B  |      |        |     |     |       |
| Aroclor-1260 Peak # 2           |        | 429.0  | 4.290     | B  |      | 427.4   | 4.274      | B  |      |        |     |     |       |
| Aroclor-1260 Peak # 3           |        | 388.0  | 3.880     | B  |      | 380.7   | 3.807      | B  |      |        |     |     |       |
| Aroclor-1260 Peak # 4           |        | 348.8  | 3.488     | B  |      | 343.5   | 3.435      | B  |      |        |     |     |       |
| Aroclor-1260 Peak # 5           |        | 311.1  | 3.111     | B  |      | 302.6   | 3.026      | B  |      |        |     |     |       |
| Surrogates                      |        |        |           |    |      |         |            |    |      |        |     |     |       |
| <b>TCMX (PCB)</b>               | 0.5000 | 39.75  | 0.3975    | B  | 80   | 39.48   | 0.3948     | B  | 79   | 19-121 |     |     | u     |
| <b>Decachlorobiphenyl (PCB)</b> | 0.5000 | 36.31  | 0.3631    | B  | 73   | 36.10   | 0.3610     | B  | 72   | 19-121 |     |     | u     |

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | BS Abund | %Drift |
|------------------------------|----|-----------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 50484081 | 14.44  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 3110621  | 1.94   |

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | BS RT | Drift |
|------------------------------|----|--------|-------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.92  | 0.00  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75  | 0.00  |

| ISTD (CCV gc06_041824004)    | Ch | CCV Abund | BSD Abund | %Drift |
|------------------------------|----|-----------|-----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 44115355  | 51603961  | 16.98  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3051386   | 2892086   | -5.22  |

| ISTD (CCV gc06_041824004)    | Ch | CCV RT | BSD RT | Drift |
|------------------------------|----|--------|--------|-------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 3.92   | 3.91   | -0.01 |
| 1-bromo-2-nitrobenzene (PCB) | A  | 3.75   | 3.75   | 0.00  |

04/19/24 : WIPE/1dm2-10ML [general version]

MES 04/19/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

MES 04/19/24 [Aroclor-1016 Peak # 5 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

MES 04/19/24 [Aroclor-1260 Peak # 1 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 04/19/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

MES 04/19/24 [Aroclor-1260 Peak # 4 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

U=USE

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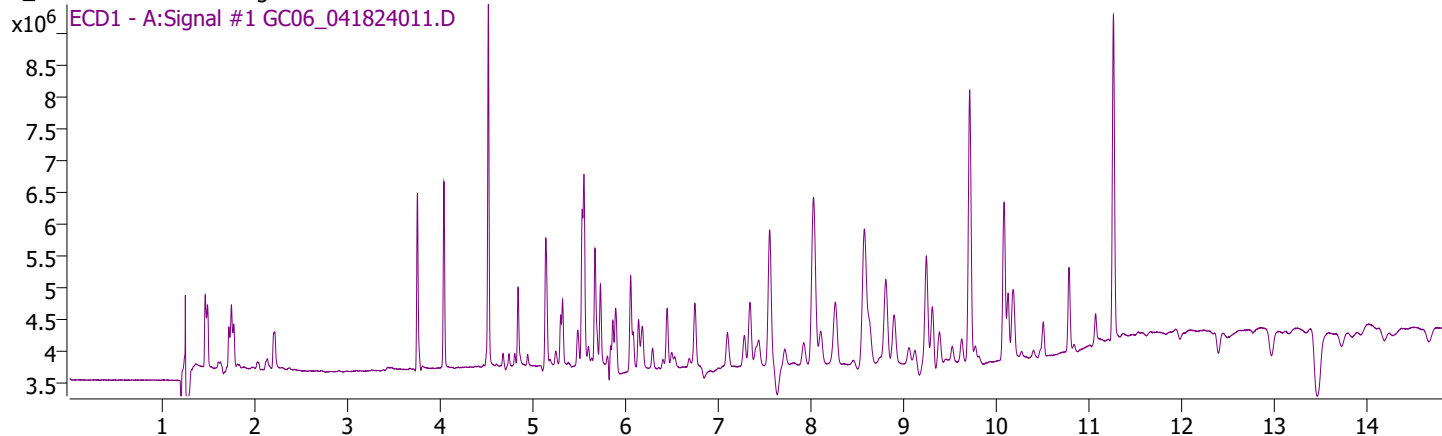
Analyst: MES 04/19/24

Reviewer: LW 04/22/24

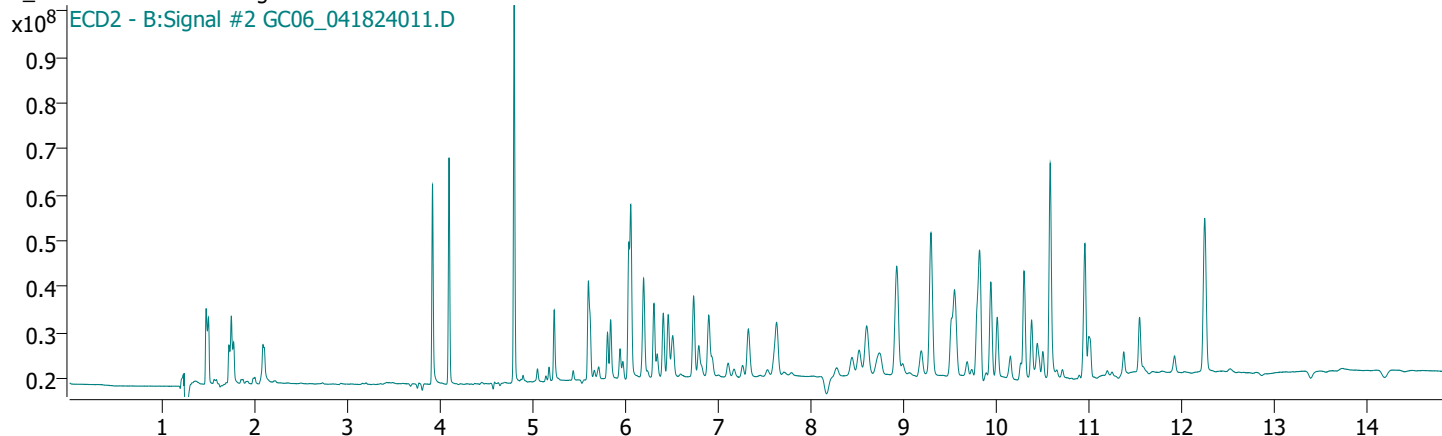
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824011.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 11:47:53 AM |
| Sample Name    | QC1145361, 338024, 1     | Instrument        | SVOA-GC06             |
| Vial           | 2                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824011.D No MS Signals



GC06\_041824011.D No MS Signals



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.752                | 0.0  | 3110620.986  | 20.0000            | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.915                | 0.0  | 50484081.104 | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.518                | 0.0  | 6013740.243  | 42.9420            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 214.71% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 87028158.690 | 39.7545            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 198.77% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.262               | 0.0  | 8400932.821  | 45.3671            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 226.84% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.246               | 0.0  | 74935191.749 | 36.3093            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 181.55% | *     |          |

## Target Compounds

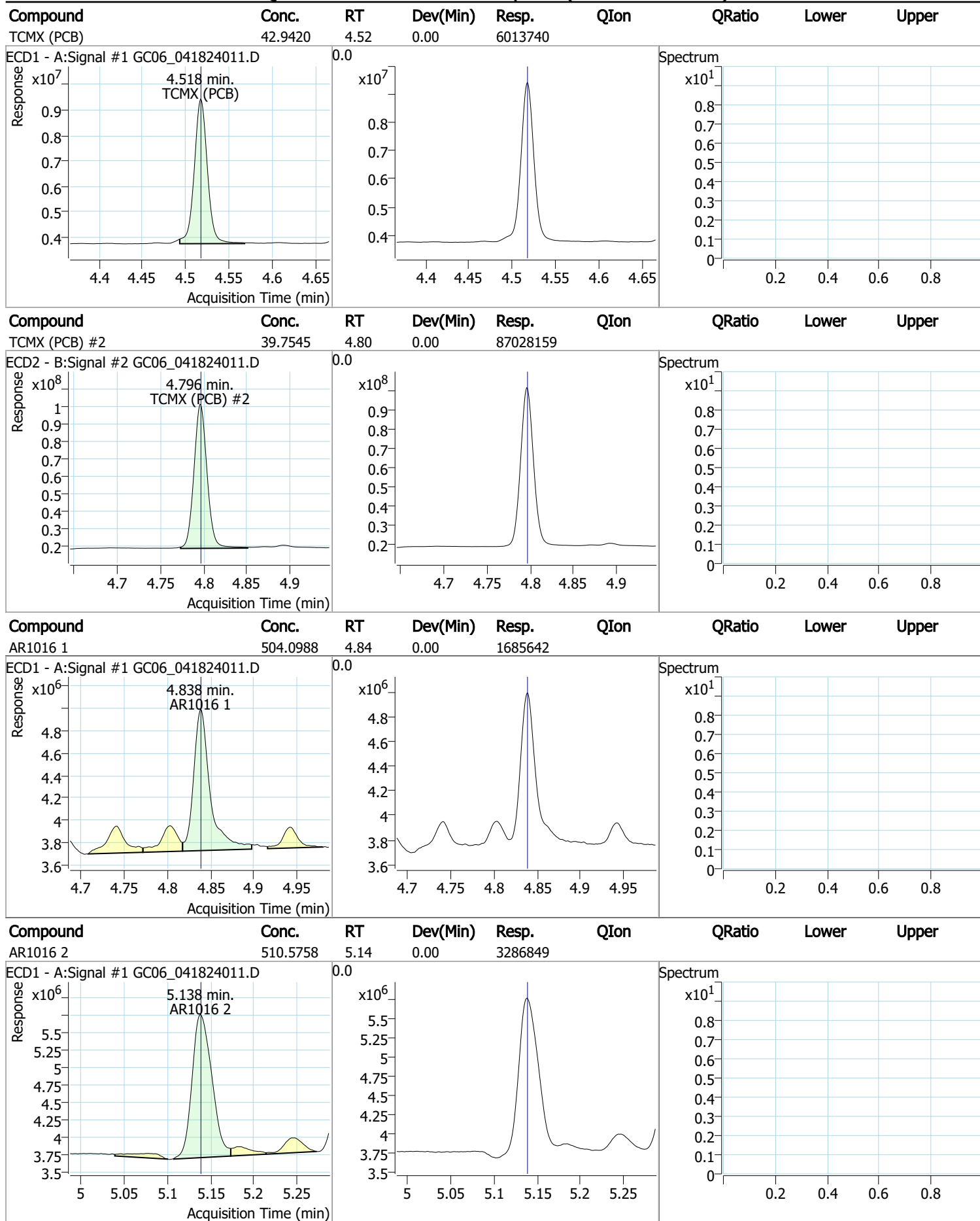
QValue

# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 4.838  | 0.0  | 1685642.00<br>3  | 504.0988 | ng/ml   | 100      |
| T AR1016 2    | 5.138  | 0.0  | 3286849.06<br>0  | 510.5758 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.228  | 0.0  | 20087798.5<br>52 | 430.6043 | ng/ml   | 100      |
| T AR1016 3    | 5.549  | 0.0  | 4042575.44<br>5  | 511.9512 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.598  | 0.0  | 43494086.6<br>06 | 466.0369 | ng/ml   | 100      |
| T AR1016 4    | 5.668  | 0.0  | 2748293.51<br>2  | 492.9639 | ng/ml   | 100      |
| T AR1016 5    | 6.053  | 0.0  | 2220802.65<br>7  | 475.4631 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.054  | 0.0  | 57070947.4<br>44 | 441.5021 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.193  | 0.0  | 38677812.8<br>71 | 452.6535 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.733  | 0.0  | 30526714.3<br>56 | 426.7865 | ng/ml   | 100      |
| T AR1260 1    | 7.552  | 0.0  | 5050914.32<br>7  | 530.9291 | ng/ml m | 100      |
| T AR1260 2    | 8.026  | 0.0  | 7736843.65<br>3  | 531.6046 | ng/ml   | 100      |
| T AR1260 3    | 8.575  | 0.0  | 8974753.27<br>5  | 585.0943 | ng/ml m | 100      |
| T AR1260 1 #2 | 8.923  | 0.0  | 63128356.6<br>99 | 446.7620 | ng/ml   | 100      |
| T AR1260 4    | 9.243  | 0.0  | 4811378.72<br>5  | 545.2844 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.293  | 0.0  | 73741184.2<br>86 | 429.0104 | ng/ml   | 100      |
| T AR1260 3 #2 | 9.817  | 0.0  | 82236696.1<br>34 | 387.9906 | ng/ml m | 100      |
| T AR1260 5    | 10.082 | 0.0  | 4753817.60<br>0  | 482.5445 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.297 | 0.0  | 45966005.6<br>80 | 348.7506 | ng/ml   | 100      |
| T AR1260 5 #2 | 10.954 | 0.0  | 55217925.3<br>97 | 311.1340 | ng/ml   | 100      |

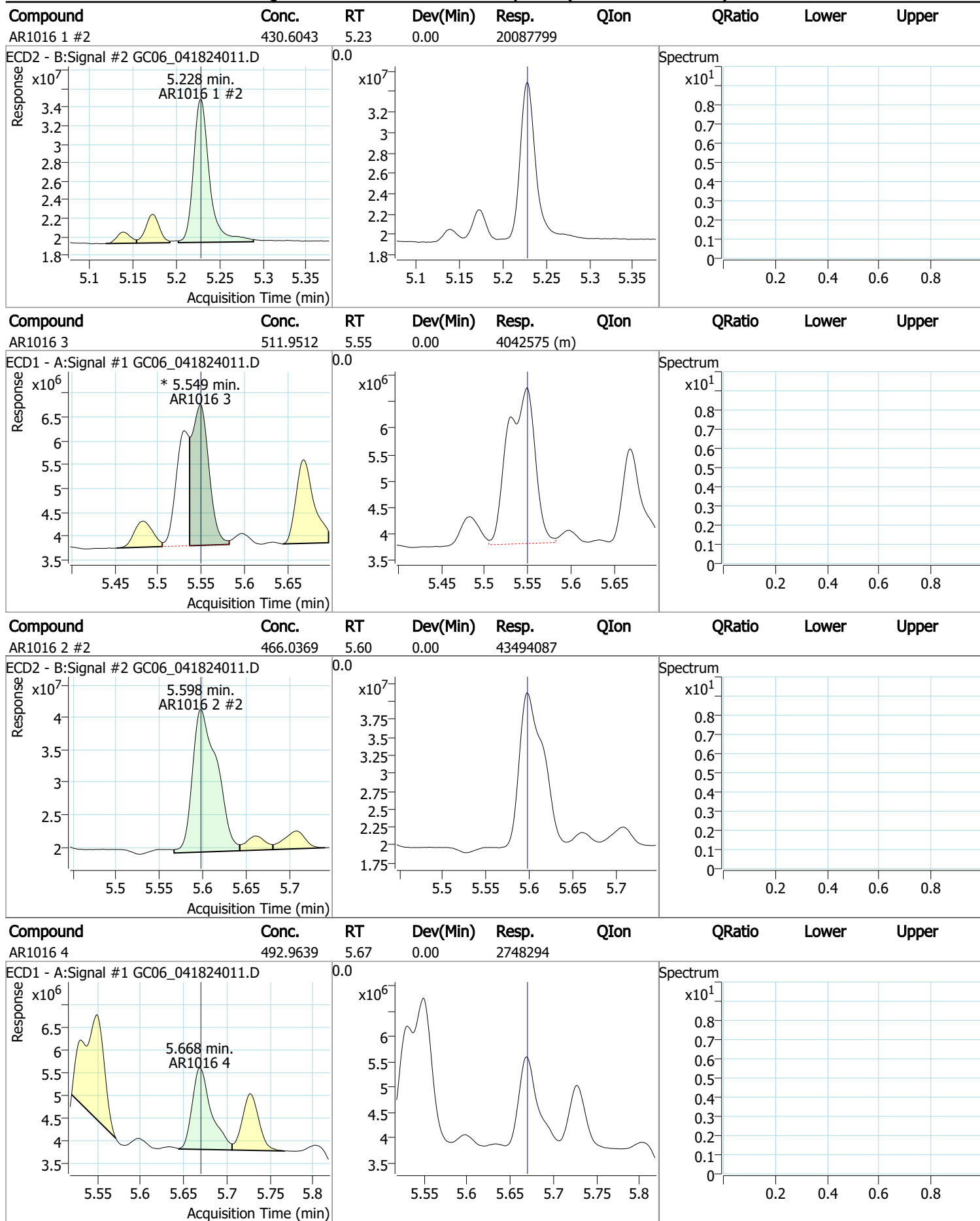
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

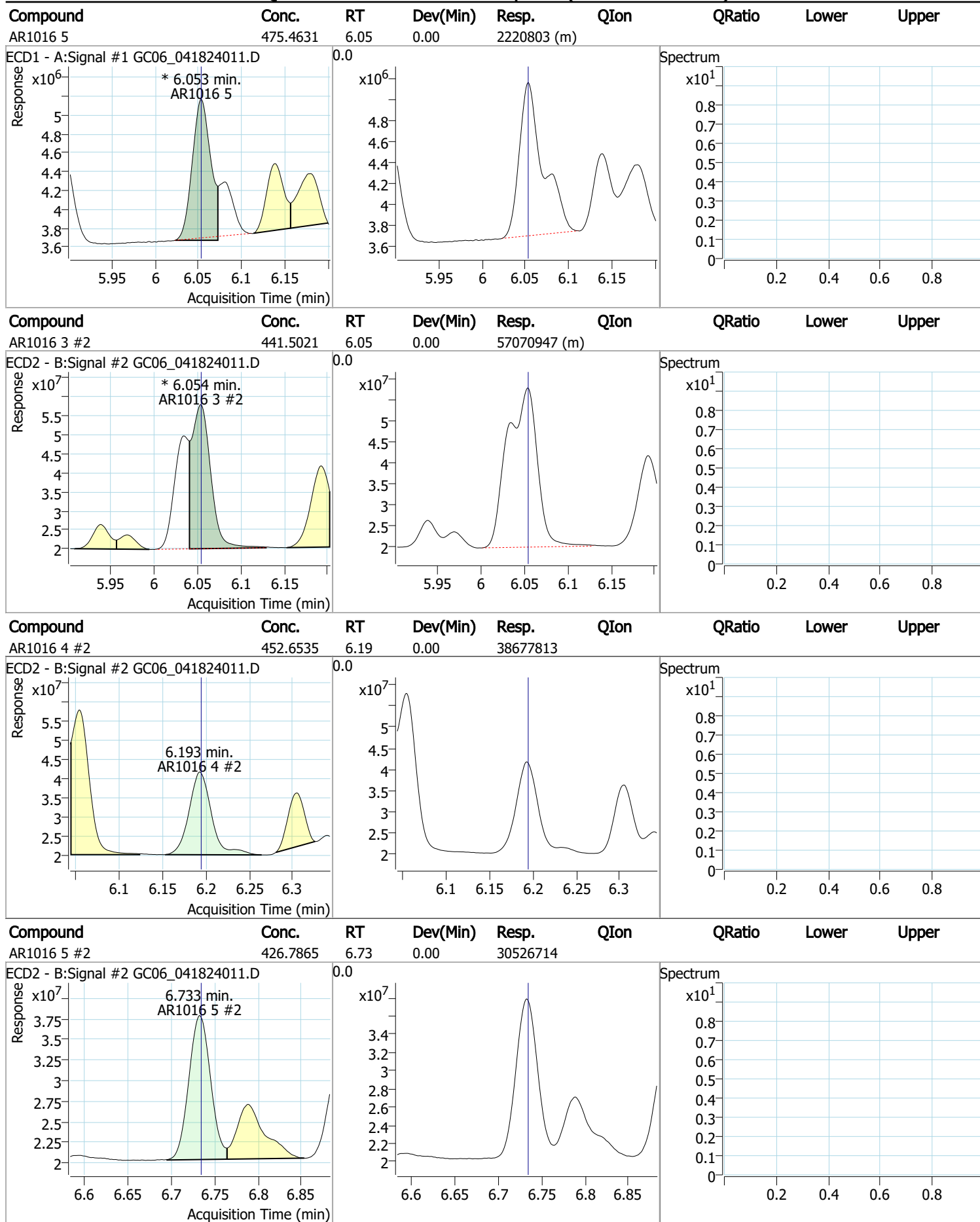




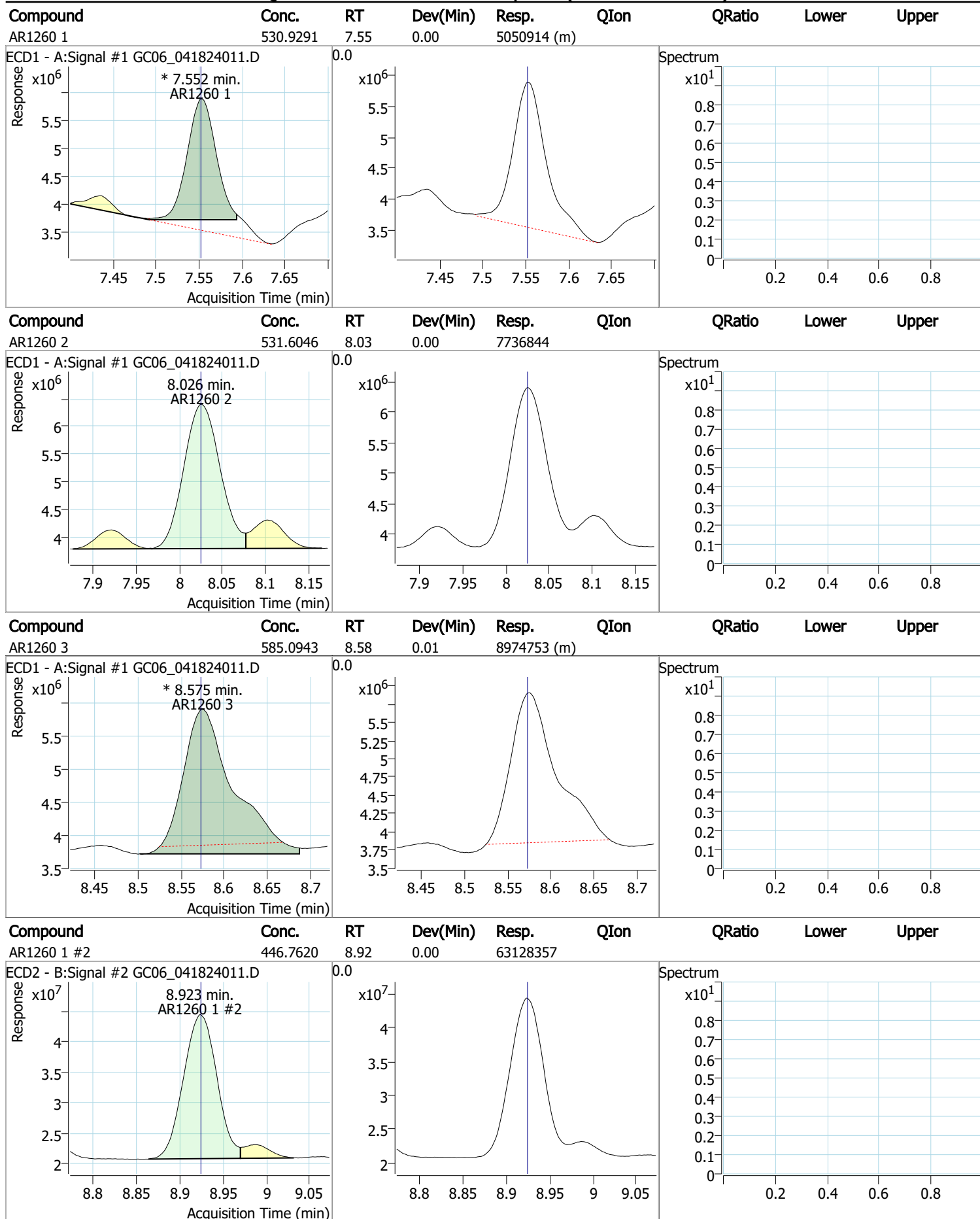
# Quantitation Results Report (Not Reviewed)



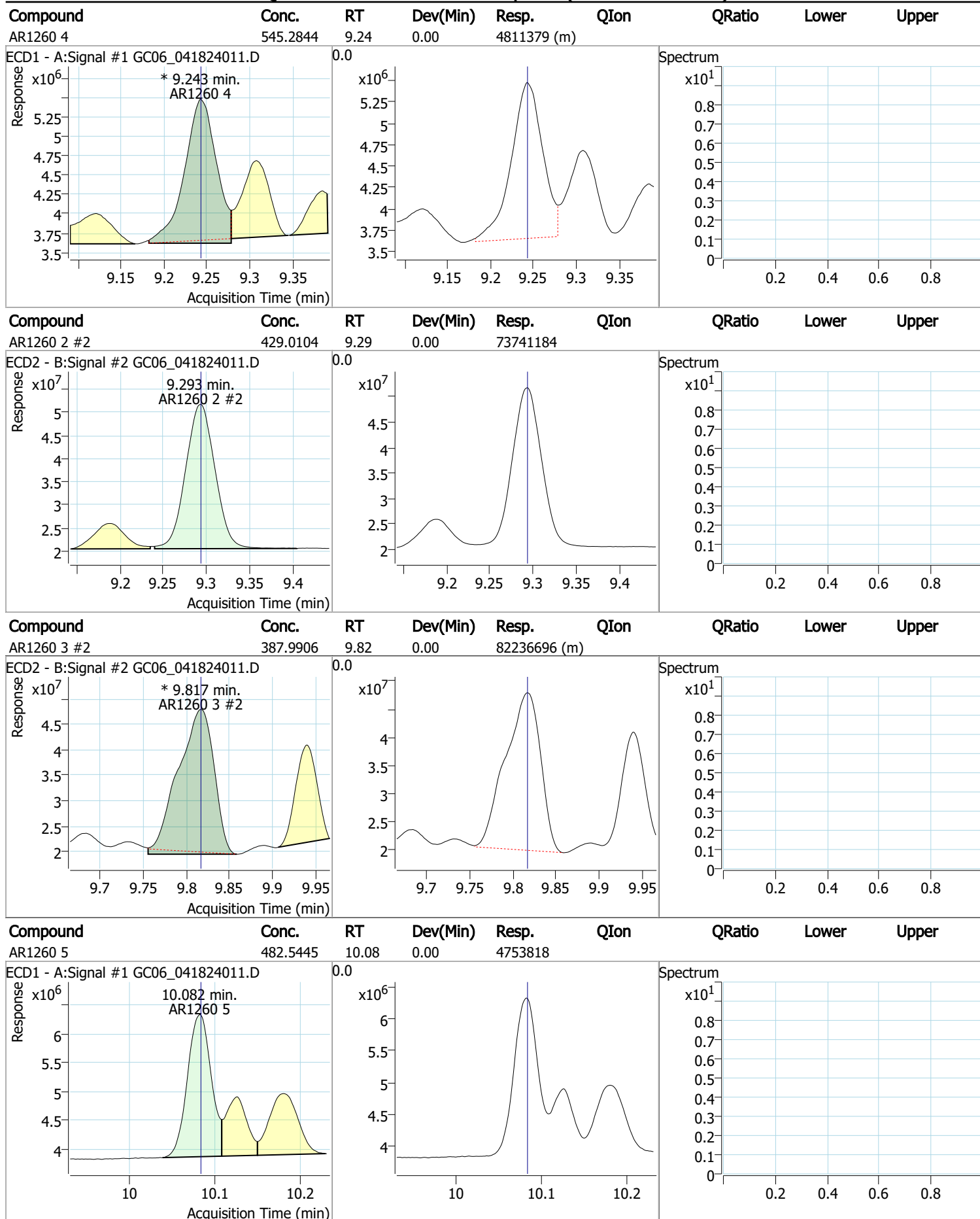
# Quantitation Results Report (Not Reviewed)



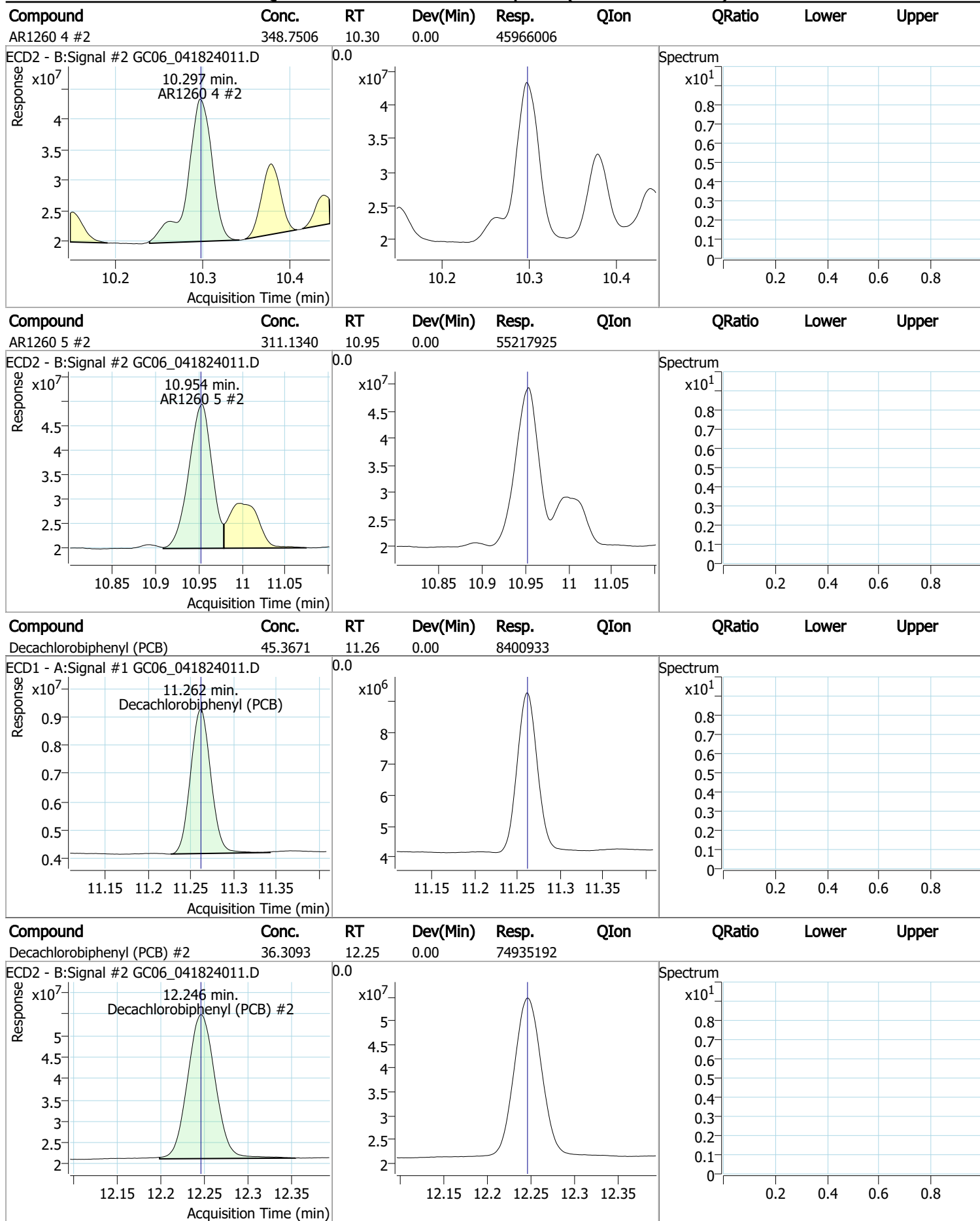
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



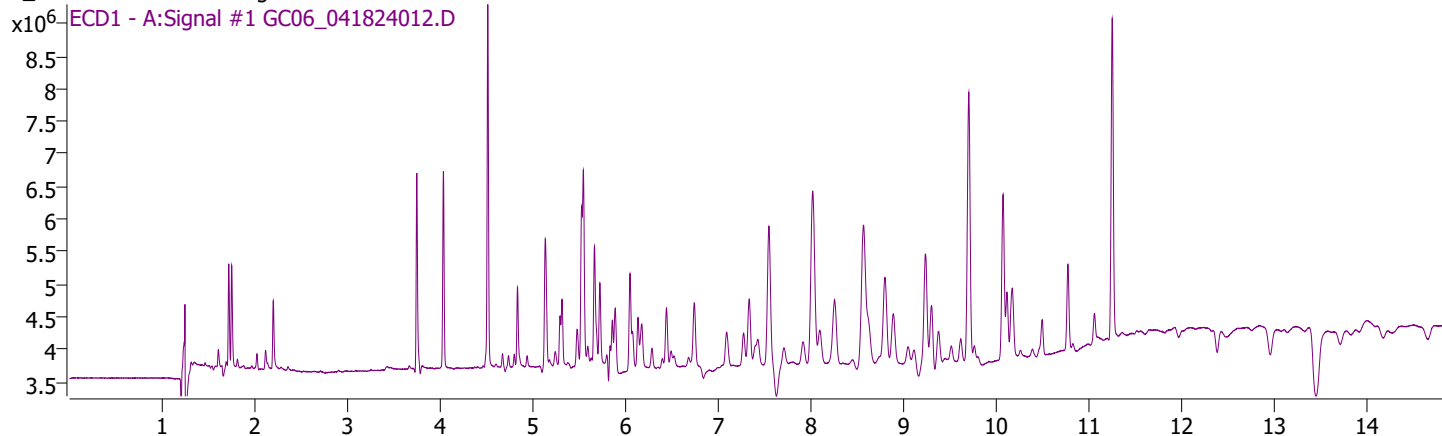
# Quantitation Results Report (Not Reviewed)



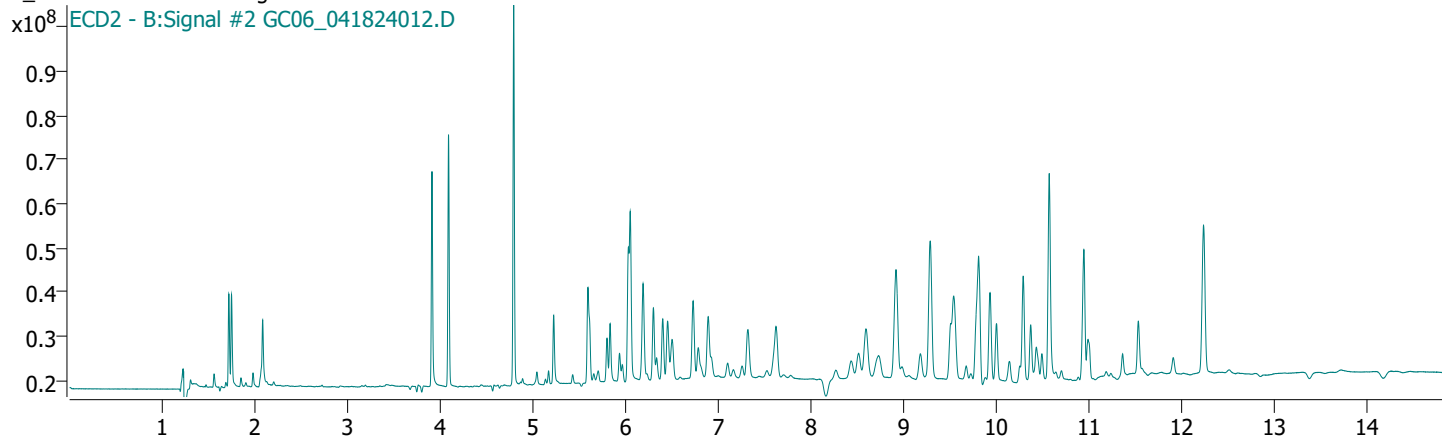
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824012.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 12:08:44 PM |
| Sample Name    | QC1145362, 338024, 1     | Instrument        | SVOA-GC06             |
| Vial           | 3                        | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | WIPE/1dm2-10ML        |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824012.D No MS Signals



GC06\_041824012.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.749                | 0.0  | 2892085.88<br>8  | 20.0000            | ng/ml | -0.002   |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.913                | 0.0  | 51603961.1<br>43 | 20.0000            | ng/ml | -0.002   |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.516                | 0.0  | 5899808.68<br>3  | 45.3118            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 226.56% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 88352460.0<br>54 | 39.4836            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 197.42% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 8169723.37<br>4  | 47.4522            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 237.26% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.244               | 0.0  | 76156514.6<br>71 | 36.1003            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 180.50% | *     |          |

## Target Compounds

QValue

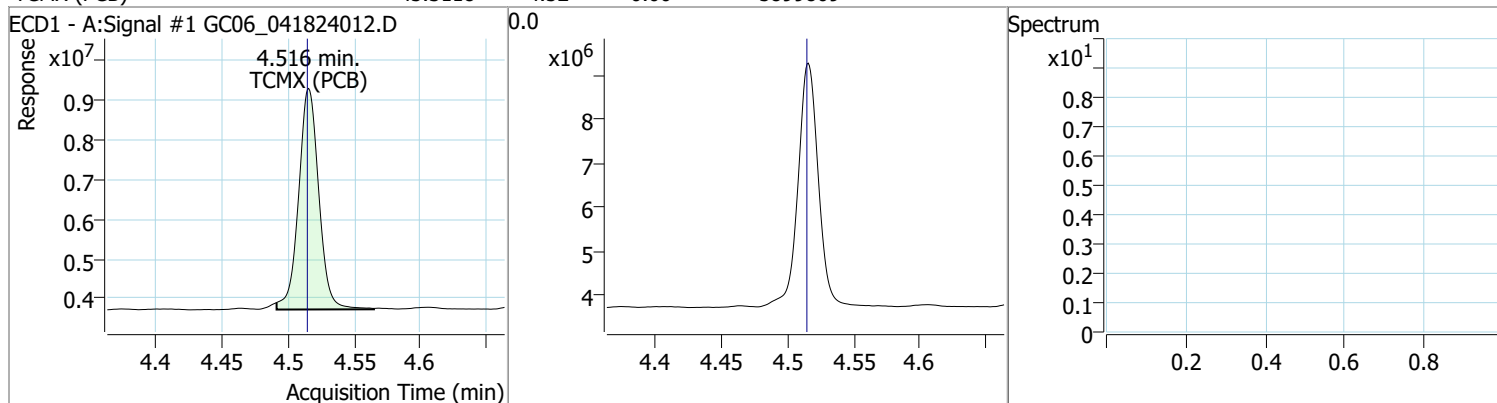
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 4.837  | 0.0  | 1634639.32<br>3  | 525.7850 | ng/ml   | 100      |
| T AR1016 2    | 5.137  | 0.0  | 3243728.62<br>4  | 541.9521 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.228  | 0.0  | 19478252.6<br>29 | 408.4769 | ng/ml   | 100      |
| T AR1016 3    | 5.548  | 0.0  | 3999131.87<br>1  | 544.7184 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.598  | 0.0  | 42519209.7<br>43 | 445.7042 | ng/ml   | 100      |
| T AR1016 4    | 5.668  | 0.0  | 2736839.37<br>5  | 528.0040 | ng/ml   | 100      |
| T AR1016 5    | 6.052  | 0.0  | 2193478.87<br>2  | 505.0986 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.053  | 0.0  | 57183377.5<br>69 | 432.7717 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.193  | 0.0  | 38665477.8<br>50 | 442.6890 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.733  | 0.0  | 31079825.8<br>73 | 425.0897 | ng/ml   | 100      |
| T AR1260 1    | 7.552  | 0.0  | 4871223.42<br>5  | 550.7322 | ng/ml m | 100      |
| T AR1260 2    | 8.025  | 0.0  | 7712135.08<br>5  | 569.9483 | ng/ml   | 100      |
| T AR1260 3    | 8.573  | 0.0  | 9066610.75<br>0  | 635.7469 | ng/ml m | 100      |
| T AR1260 1 #2 | 8.923  | 0.0  | 64938641.9<br>17 | 449.6001 | ng/ml   | 100      |
| T AR1260 4    | 9.241  | 0.0  | 4938249.54<br>9  | 601.9529 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.293  | 0.0  | 75100813.4<br>96 | 427.4386 | ng/ml   | 100      |
| T AR1260 3 #2 | 9.816  | 0.0  | 82491367.2<br>66 | 380.7461 | ng/ml m | 100      |
| T AR1260 5    | 10.080 | 0.0  | 4781261.54<br>0  | 522.0034 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.297 | 0.0  | 46276036.1<br>30 | 343.4834 | ng/ml   | 100      |
| T AR1260 5 #2 | 10.953 | 0.0  | 54896278.9<br>76 | 302.6089 | ng/ml   | 100      |

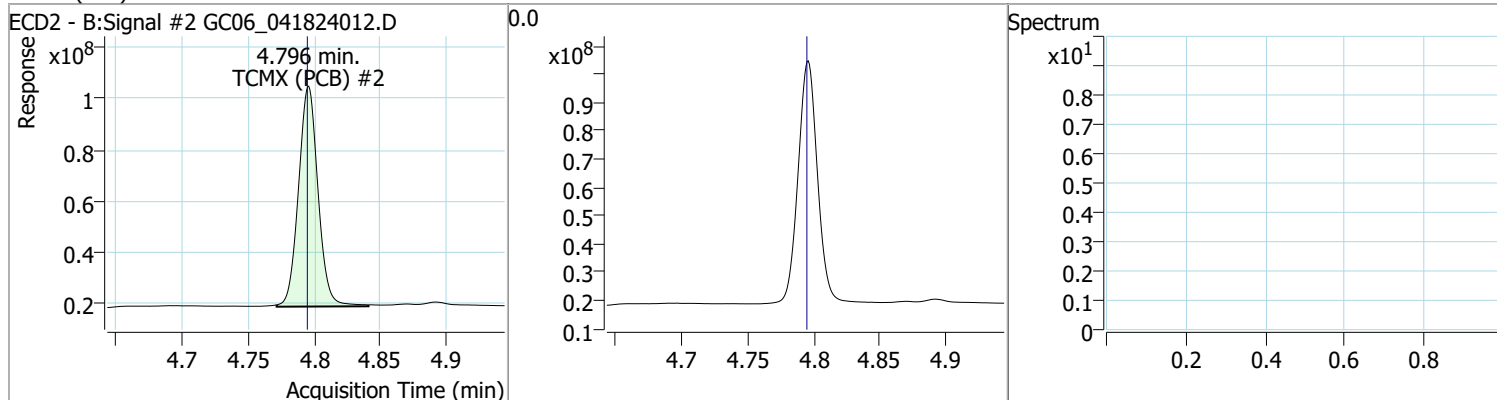
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

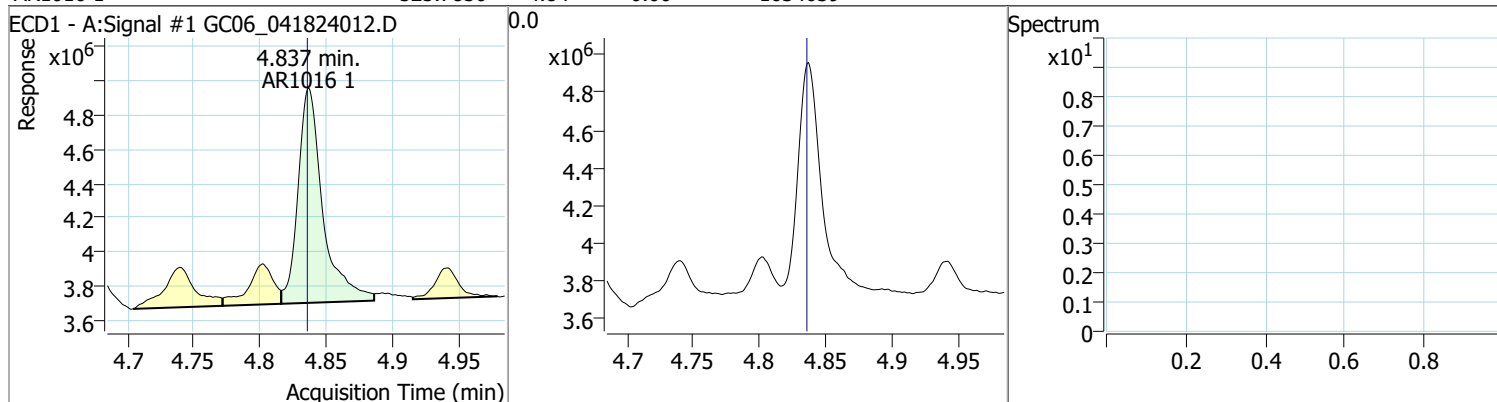
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 45.3118 | 4.52 | 0.00     | 5899809 |      |        |       |       |



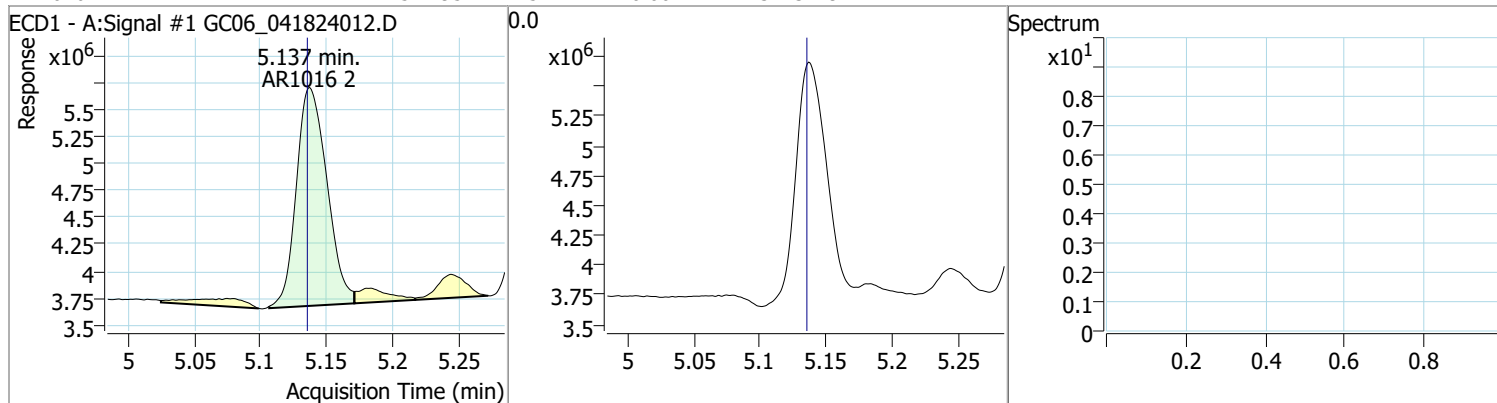
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 39.4836 | 4.80 | 0.00     | 88352460 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 525.7850 | 4.84 | 0.00     | 1634639 |      |        |       |       |

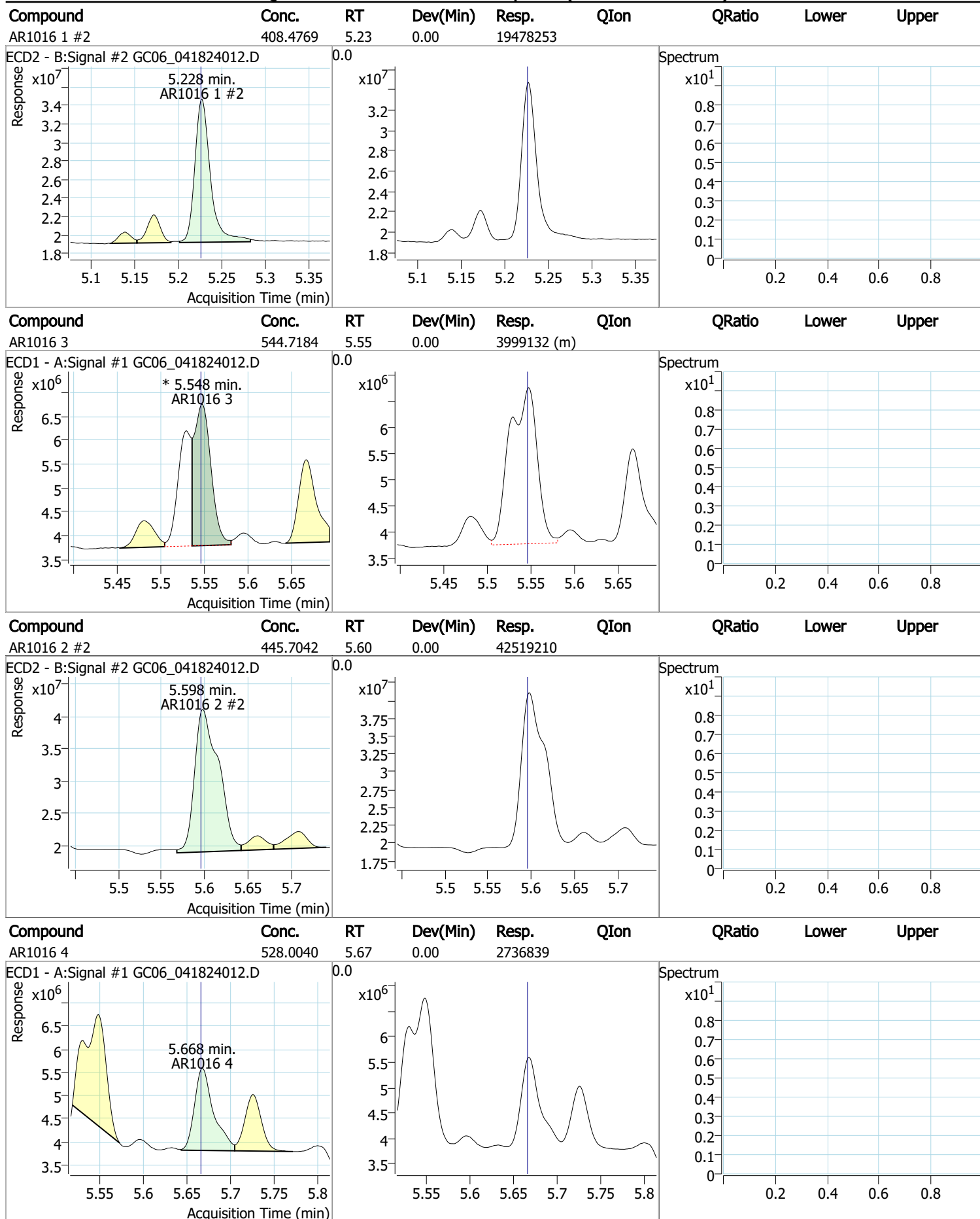


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 541.9521 | 5.14 | 0.00     | 3243729 |      |        |       |       |

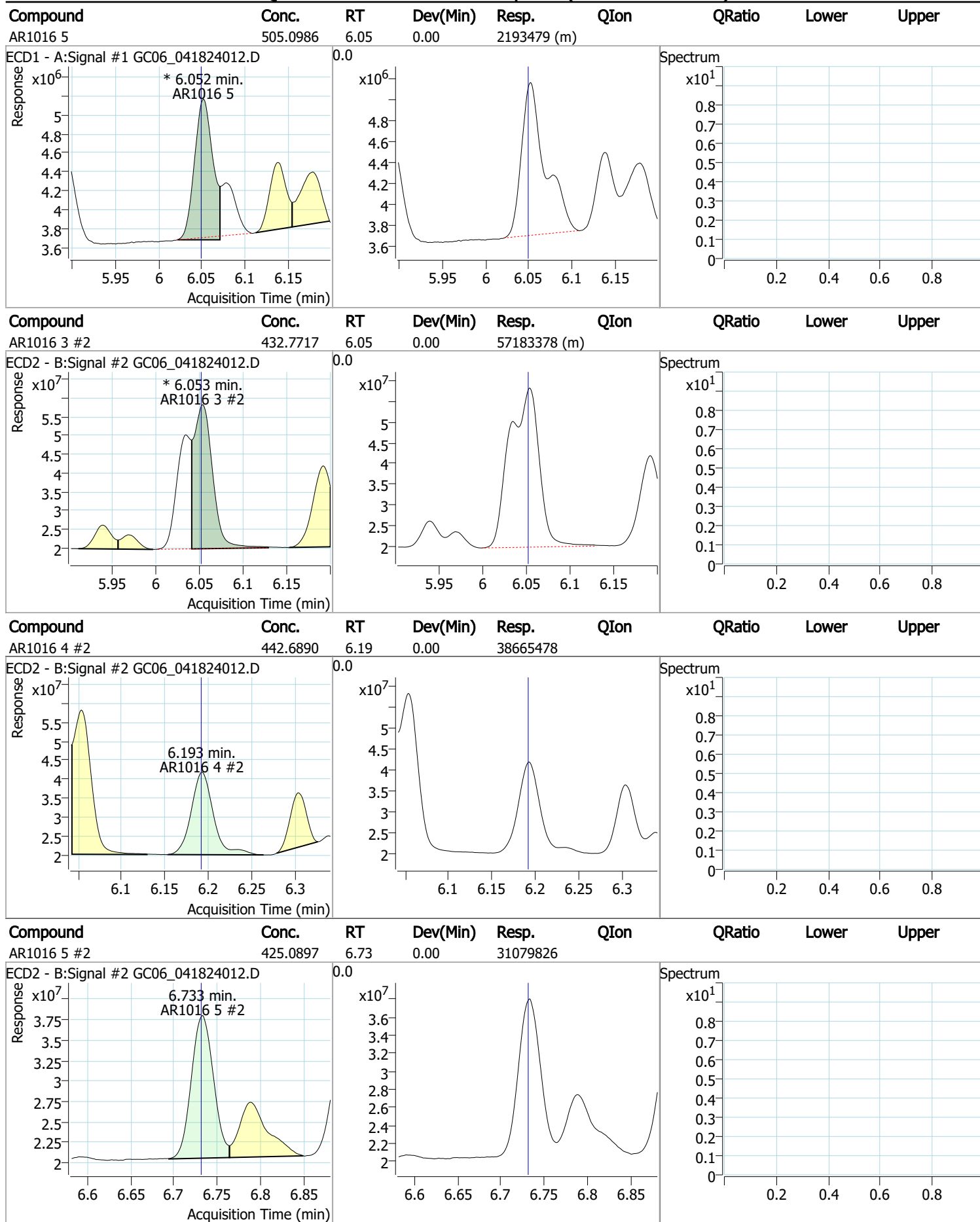




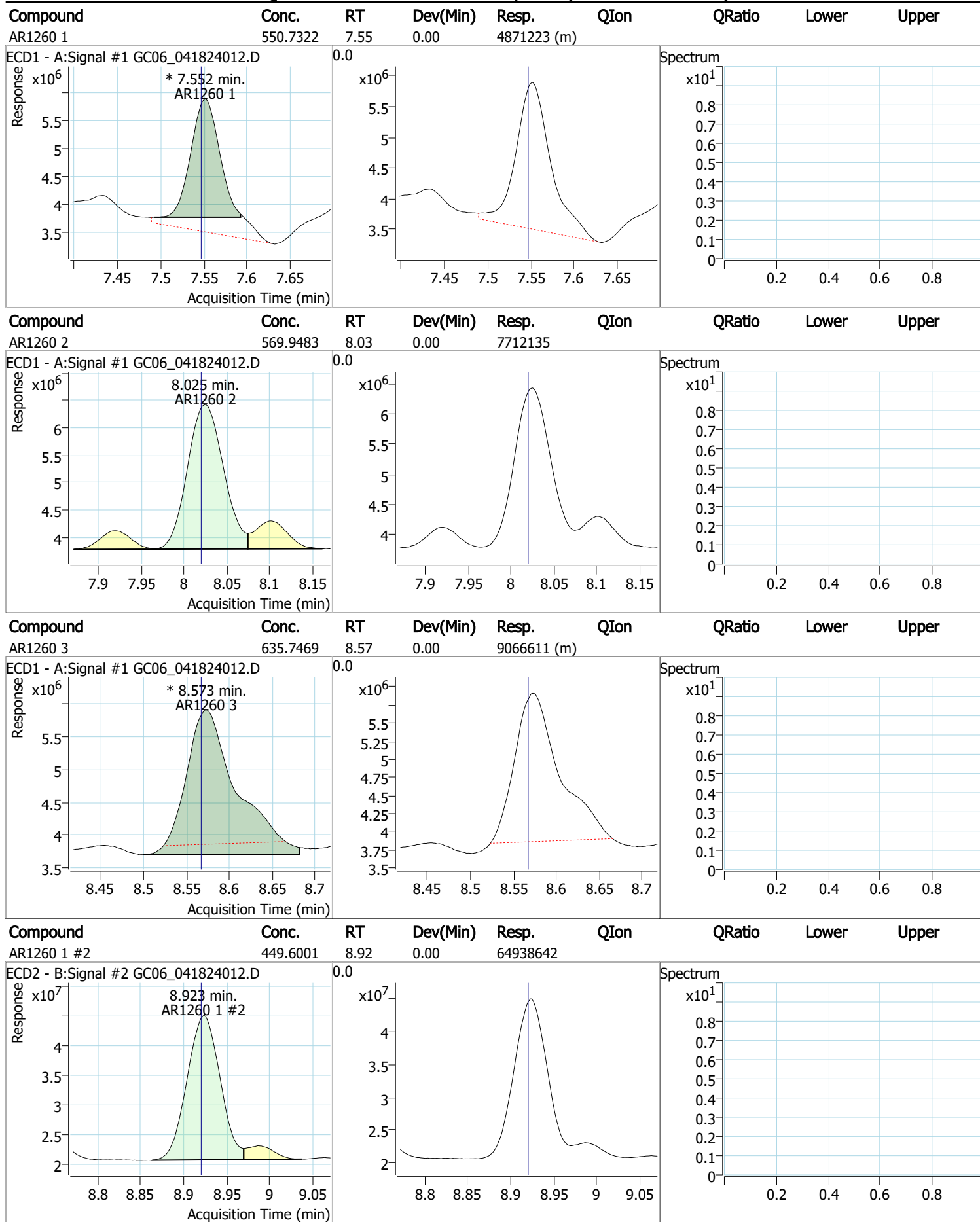
# Quantitation Results Report (Not Reviewed)



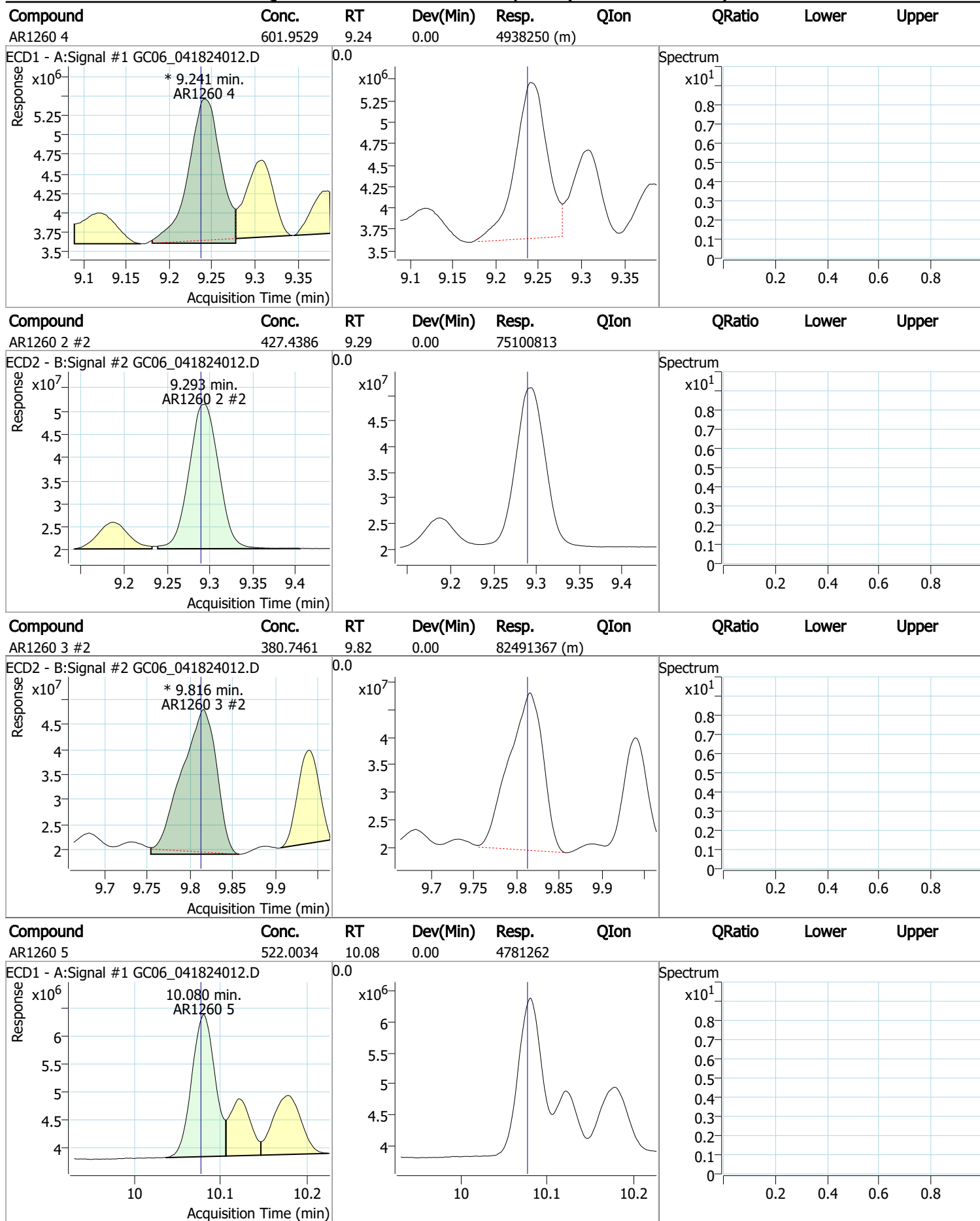
# Quantitation Results Report (Not Reviewed)



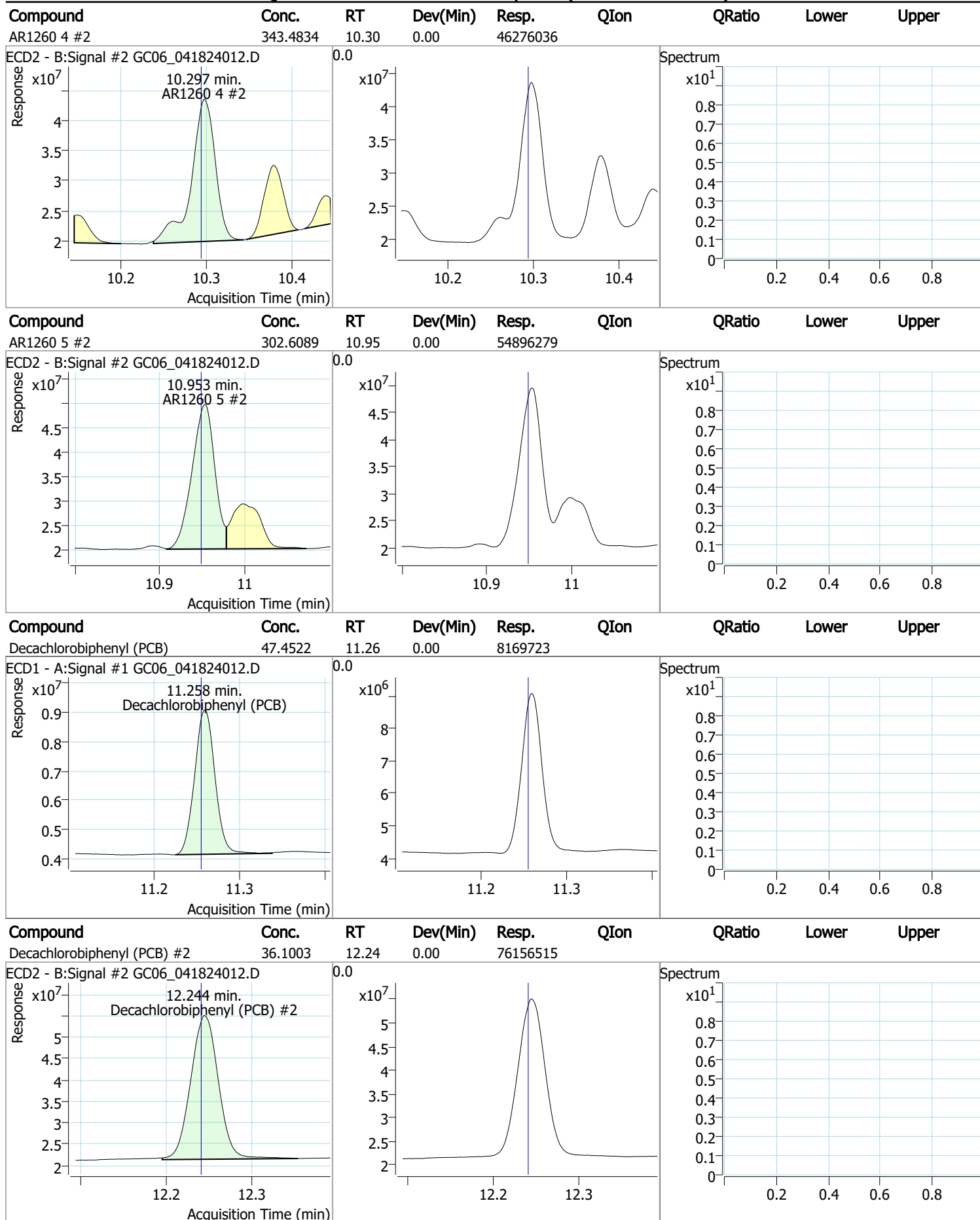
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



### **Initial Calibration Raw Data**

Instrument: SVOA-GC06  
Calibration #: 454124679002  
Units: ug/L

Name: PCB\_032624\_1  
Date: 26-MAR-2024 13:59  
X Axis: R

| Level | File           | Seqnum       | Sample ID | Analyzed          | Standards |
|-------|----------------|--------------|-----------|-------------------|-----------|
| L1    | gc06_032624014 | 454124679014 |           | 26-MAR-2024 13:59 | S20226    |
| L2    | gc06_032624015 | 454124679015 |           | 26-MAR-2024 14:19 | S20227    |
| L3    | gc06_032624016 | 454124679016 |           | 26-MAR-2024 14:38 | S20228    |
| L4    | gc06_032624018 | 454124679018 |           | 26-MAR-2024 15:18 | S20229    |
| L5    | gc06_032624019 | 454124679019 |           | 26-MAR-2024 15:37 | S20230    |
| L6    | gc06_032624020 | 454124679020 |           | 26-MAR-2024 15:57 | S20231    |
| L7    | gc06_032624021 | 454124679021 |           | 26-MAR-2024 16:17 | S20232    |
| L8    | gc06_032624022 | 454124679022 |           | 26-MAR-2024 16:37 | S20233    |
| L9    | gc06_032624023 | 454124679023 |           | 26-MAR-2024 16:57 | S20234    |
| L10   | gc06_032624024 | 454124679024 |           | 26-MAR-2024 19:13 | S20235    |

Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 X Axis: R

| Analyte                  | Ch | Type | a0      | a1 | a2 | Avg RF | %RSD | n  | Min r <sup>2</sup> | Max %RSD | Flags |
|--------------------------|----|------|---------|----|----|--------|------|----|--------------------|----------|-------|
| Aroclor-1016 Peak # 1    | A  | AVRG | 46.5123 |    |    | 0.0215 | 13   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | A  | AVRG | 24.1600 |    |    | 0.0414 | 16   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | A  | AVRG | 19.6964 |    |    | 0.0508 | 11   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | A  | AVRG | 27.8977 |    |    | 0.0358 | 17   | 9  | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | A  | AVRG | 33.2984 |    |    | 0.0300 | 15   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | A  | AVRG | 16.3487 |    |    | 0.0612 | 16   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | A  | AVRG | 10.6867 |    |    | 0.0936 | 17   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | A  | AVRG | 10.1396 |    |    | 0.0986 | 16   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | A  | AVRG | 17.6267 |    |    | 0.0567 | 13   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | A  | AVRG | 15.7874 |    |    | 0.0633 | 12   | 8  | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | A  | AVRG | 0.83991 |    |    | 1.1906 | 13   | 10 | .99                | 20       |       |
| TCMX (PCB)               | A  | AVRG | 1.11059 |    |    | 0.9004 | 8    | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 1    | B  | AVRG | 54.1091 |    |    | 0.0185 | 17   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 2    | B  | AVRG | 27.0467 |    |    | 0.0370 | 15   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 3    | B  | AVRG | 19.5273 |    |    | 0.0512 | 13   | 9  | .99                | 20       |       |
| Aroclor-1016 Peak # 4    | B  | AVRG | 29.5412 |    |    | 0.0339 | 12   | 10 | .99                | 20       |       |
| Aroclor-1016 Peak # 5    | B  | AVRG | 35.2903 |    |    | 0.0283 | 16   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 1    | B  | AVRG | 17.8639 |    |    | 0.0560 | 18   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 2    | B  | AVRG | 14.6853 |    |    | 0.0681 | 20   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 3    | B  | AVRG | 11.9091 |    |    | 0.0840 | 17   | 9  | .99                | 20       |       |
| Aroclor-1260 Peak # 4    | B  | AVRG | 19.1515 |    |    | 0.0522 | 19   | 10 | .99                | 20       |       |
| Aroclor-1260 Peak # 5    | B  | AVRG | 14.2230 |    |    | 0.0703 | 19   | 9  | .99                | 20       |       |
| Decachlorobiphenyl (PCB) | B  | AVRG | 1.22309 |    |    | 0.8176 | 16   | 9  | .99                | 20       |       |
| TCMX (PCB)               | B  | AVRG | 1.15306 |    |    | 0.8673 | 10   | 10 | .99                | 20       |       |

Instrument amount =  $a0 + (\text{response} \times a1) + (\text{response}^2 \times a2)$

AVRG: Average response factor



Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 X Axis: R

| Analyte                  | Ch | L1<br>RF | L2<br>RF | L3<br>RF | L4<br>RF | L5<br>RF | L6<br>RF | L7<br>RF | L8<br>RF | L9<br>RF | L10<br>RF |
|--------------------------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Aroclor-1016 Peak # 1    | A  | 0.0245   | 0.0264   | 0.0247   | 0.0226   | 0.0207   | 0.0203   | 0.0192   | 0.0197   | 0.0182   | 0.0186    |
| Aroclor-1016 Peak # 2    | A  | 0.0537   | 0.0496   | 0.0459   | 0.0449   | 0.0405   | 0.0378   | 0.0350   | 0.0375   | 0.0340   | 0.0349    |
| Aroclor-1016 Peak # 3    | A  | 0.0568   | 0.0586   | 0.0579   | 0.0551   | 0.0481   | 0.0470   | 0.0452   | 0.0485   | 0.0444   | 0.0460    |
| Aroclor-1016 Peak # 4    | A  |          | 0.0486   | 0.0418   | 0.0383   | 0.0342   | 0.0325   | 0.0313   | 0.0334   | 0.0305   | 0.0321    |
| Aroclor-1016 Peak # 5    | A  | 0.0392   | 0.0320   | 0.0356   | 0.0313   | 0.0291   | 0.0280   | 0.0252   | 0.0280   | 0.0254   | 0.0266    |
| Aroclor-1260 Peak # 1    | A  |          | 0.0765   | 0.0733   | 0.0711   | 0.0594   | 0.0553   | 0.0515   | 0.0590   | 0.0502   | 0.0541    |
| Aroclor-1260 Peak # 2    | A  |          | 0.1197   | 0.1103   | 0.1081   | 0.0910   | 0.0849   | 0.0782   | 0.0902   | 0.0757   | 0.0839    |
| Aroclor-1260 Peak # 3    | A  |          | 0.1241   | 0.1180   | 0.1107   | 0.0919   | 0.0905   | 0.0824   | 0.0968   | 0.0797   | 0.0936    |
| Aroclor-1260 Peak # 4    | A  | 0.0692   | 0.0605   | 0.0614   | 0.0644   | 0.0542   | 0.0525   | 0.0478   | 0.0565   | 0.0465   | 0.0542    |
| Aroclor-1260 Peak # 5    | A  |          |          | 0.0733   | 0.0739   | 0.0618   | 0.0588   | 0.0551   | 0.0644   | 0.0542   | 0.0653    |
| Decachlorobiphenyl (PCB) | A  | 1.2253   | 1.2559   | 1.3968   | 1.4261   | 1.1280   | 1.0879   | 0.9783   | 1.2229   | 0.9620   | 1.2230    |
| TCMX (PCB)               | A  | 1.0279   | 1.0067   | 0.9624   | 0.9028   | 0.8535   | 0.8207   | 0.8144   | 0.8813   | 0.8463   | 0.8882    |
| Aroclor-1016 Peak # 1    | B  | 0.0247   | 0.0199   | 0.0222   | 0.0195   | 0.0178   | 0.0165   | 0.0164   | 0.0173   | 0.0157   | 0.0149    |
| Aroclor-1016 Peak # 2    | B  | 0.0441   | 0.0453   | 0.0421   | 0.0410   | 0.0353   | 0.0334   | 0.0328   | 0.0344   | 0.0311   | 0.0303    |
| Aroclor-1016 Peak # 3    | B  |          | 0.0576   | 0.0636   | 0.0572   | 0.0518   | 0.0477   | 0.0462   | 0.0487   | 0.0438   | 0.0443    |
| Aroclor-1016 Peak # 4    | B  | 0.0405   | 0.0308   | 0.0416   | 0.0344   | 0.0326   | 0.0335   | 0.0313   | 0.0334   | 0.0301   | 0.0304    |
| Aroclor-1016 Peak # 5    | B  | 0.0382   | 0.0319   | 0.0322   | 0.0300   | 0.0258   | 0.0251   | 0.0254   | 0.0264   | 0.0237   | 0.0246    |
| Aroclor-1260 Peak # 1    | B  |          | 0.0724   | 0.0693   | 0.0637   | 0.0528   | 0.0503   | 0.0504   | 0.0524   | 0.0445   | 0.0481    |
| Aroclor-1260 Peak # 2    | B  |          | 0.0889   | 0.0880   | 0.0773   | 0.0634   | 0.0626   | 0.0597   | 0.0636   | 0.0524   | 0.0571    |
| Aroclor-1260 Peak # 3    | B  |          | 0.1083   | 0.1037   | 0.0935   | 0.0784   | 0.0766   | 0.0740   | 0.0805   | 0.0670   | 0.0739    |
| Aroclor-1260 Peak # 4    | B  | 0.0732   | 0.0575   | 0.0608   | 0.0546   | 0.0479   | 0.0470   | 0.0411   | 0.0509   | 0.0420   | 0.0472    |
| Aroclor-1260 Peak # 5    | B  |          | 0.0961   | 0.0855   | 0.0786   | 0.0652   | 0.0638   | 0.0600   | 0.0669   | 0.0546   | 0.0621    |
| Decachlorobiphenyl (PCB) | B  |          | 0.9286   | 1.0526   | 0.9508   | 0.7771   | 0.7664   | 0.7062   | 0.8119   | 0.6301   | 0.7347    |
| TCMX (PCB)               | B  | 0.9620   | 0.9157   | 1.0250   | 0.9242   | 0.8303   | 0.7920   | 0.7750   | 0.8022   | 0.7986   | 0.8477    |

Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 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  | 10.000 | 14 | 20.000 | <b>23</b> | 50.000 | 15        | 100.00 | 5  | 250.00 | -4 | 500.00 | -6  | 750.00 | -11        | 1000.0 | -8 |
| Aroclor-1016 Peak # 2    | A  | 10.000 | 30 | 20.000 | 20        | 50.000 | 11        | 100.00 | 9  | 250.00 | -2 | 500.00 | -9  | 750.00 | -15        | 1000.0 | -9 |
| Aroclor-1016 Peak # 3    | A  | 10.000 | 12 | 20.000 | 15        | 50.000 | 14        | 100.00 | 9  | 250.00 | -5 | 500.00 | -7  | 750.00 | -11        | 1000.0 | -4 |
| Aroclor-1016 Peak # 4    | A  |        |    | 20.000 | 36        | 50.000 | 17        | 100.00 | 7  | 250.00 | -4 | 500.00 | -9  | 750.00 | -13        | 1000.0 | -7 |
| Aroclor-1016 Peak # 5    | A  | 10.000 | 30 | 20.000 | 6         | 50.000 | 18        | 100.00 | 4  | 250.00 | -3 | 500.00 | -7  | 750.00 | -16        | 1000.0 | -7 |
| Aroclor-1260 Peak # 1    | A  |        |    | 20.000 | 25        | 50.000 | 20        | 100.00 | 16 | 250.00 | -3 | 500.00 | -10 | 750.00 | -16        | 1000.0 | -3 |
| Aroclor-1260 Peak # 2    | A  |        |    | 20.000 | 28        | 50.000 | 18        | 100.00 | 16 | 250.00 | -3 | 500.00 | -9  | 750.00 | -16        | 1000.0 | -4 |
| Aroclor-1260 Peak # 3    | A  |        |    | 20.000 | 26        | 50.000 | 20        | 100.00 | 12 | 250.00 | -7 | 500.00 | -8  | 750.00 | -16        | 1000.0 | -2 |
| Aroclor-1260 Peak # 4    | A  | 10.000 | 22 | 20.000 | 7         | 50.000 | 8         | 100.00 | 14 | 250.00 | -5 | 500.00 | -7  | 750.00 | -16        | 1000.0 | 0  |
| Aroclor-1260 Peak # 5    | A  |        |    |        |           | 50.000 | 16        | 100.00 | 17 | 250.00 | -2 | 500.00 | -7  | 750.00 | -13        | 1000.0 | 2  |
| Decachlorobiphenyl (PCB) | A  | 0.8000 | 3  | 1.6000 | 5         | 4.0000 | 17        | 8.0000 | 20 | 20.000 | -5 | 40.000 | -9  | 60.000 | -18        | 80.000 | 3  |
| TCMX (PCB)               | A  | 0.8000 | 14 | 1.6000 | 12        | 4.0000 | 7         | 8.0000 | 0  | 20.000 | -5 | 40.000 | -9  | 60.000 | -10        | 80.000 | -2 |
| Aroclor-1016 Peak # 1    | B  | 10.000 | 34 | 20.000 | 8         | 50.000 | 20        | 100.00 | 5  | 250.00 | -4 | 500.00 | -11 | 750.00 | -11        | 1000.0 | -7 |
| Aroclor-1016 Peak # 2    | B  | 10.000 | 19 | 20.000 | <b>22</b> | 50.000 | 14        | 100.00 | 11 | 250.00 | -5 | 500.00 | -10 | 750.00 | -11        | 1000.0 | -7 |
| Aroclor-1016 Peak # 3    | B  |        |    | 20.000 | 13        | 50.000 | <b>24</b> | 100.00 | 12 | 250.00 | 1  | 500.00 | -7  | 750.00 | -10        | 1000.0 | -5 |
| Aroclor-1016 Peak # 4    | B  | 10.000 | 20 | 20.000 | -9        | 50.000 | <b>23</b> | 100.00 | 2  | 250.00 | -4 | 500.00 | -1  | 750.00 | -8         | 1000.0 | -1 |
| Aroclor-1016 Peak # 5    | B  | 10.000 | 35 | 20.000 | 13        | 50.000 | 14        | 100.00 | 6  | 250.00 | -9 | 500.00 | -11 | 750.00 | -10        | 1000.0 | -7 |
| Aroclor-1260 Peak # 1    | B  |        |    | 20.000 | 29        | 50.000 | <b>24</b> | 100.00 | 14 | 250.00 | -6 | 500.00 | -10 | 750.00 | -10        | 1000.0 | -6 |
| Aroclor-1260 Peak # 2    | B  |        |    | 20.000 | 31        | 50.000 | <b>29</b> | 100.00 | 14 | 250.00 | -7 | 500.00 | -8  | 750.00 | -12        | 1000.0 | -7 |
| Aroclor-1260 Peak # 3    | B  |        |    | 20.000 | 29        | 50.000 | <b>23</b> | 100.00 | 11 | 250.00 | -7 | 500.00 | -9  | 750.00 | -12        | 1000.0 | -4 |
| Aroclor-1260 Peak # 4    | B  | 10.000 | 40 | 20.000 | 10        | 50.000 | 16        | 100.00 | 5  | 250.00 | -8 | 500.00 | -10 | 750.00 | <b>-21</b> | 1000.0 | -3 |
| Aroclor-1260 Peak # 5    | B  |        |    | 20.000 | 37        | 50.000 | <b>22</b> | 100.00 | 12 | 250.00 | -7 | 500.00 | -9  | 750.00 | -15        | 1000.0 | -5 |
| Decachlorobiphenyl (PCB) | B  |        |    | 1.6000 | 14        | 4.0000 | <b>29</b> | 8.0000 | 16 | 20.000 | -5 | 40.000 | -6  | 60.000 | -14        | 80.000 | -1 |
| TCMX (PCB)               | B  | 0.8000 | 11 | 1.6000 | 6         | 4.0000 | 18        | 8.0000 | 7  | 20.000 | -4 | 40.000 | -9  | 60.000 | -11        | 80.000 | -8 |

Instrument: SVOA-GC06  
 Calibration #: 454124679002  
 Units: ug/L

Name: PCB\_032624\_1  
 Date: 26-MAR-2024 13:59  
 X Axis: R

| Spiked Amounts / Drifts  | Ch | L9     | %D         | L10    | %D  |
|--------------------------|----|--------|------------|--------|-----|
| Aroclor-1016 Peak # 1    | A  | 1500.0 | -15        | 2000.0 | -14 |
| Aroclor-1016 Peak # 2    | A  | 1500.0 | -18        | 2000.0 | -16 |
| Aroclor-1016 Peak # 3    | A  | 1500.0 | -12        | 2000.0 | -9  |
| Aroclor-1016 Peak # 4    | A  | 1500.0 | -15        | 2000.0 | -11 |
| Aroclor-1016 Peak # 5    | A  | 1500.0 | -15        | 2000.0 | -11 |
| Aroclor-1260 Peak # 1    | A  | 1500.0 | -18        | 2000.0 | -12 |
| Aroclor-1260 Peak # 2    | A  | 1500.0 | -19        | 2000.0 | -10 |
| Aroclor-1260 Peak # 3    | A  | 1500.0 | -19        | 2000.0 | -5  |
| Aroclor-1260 Peak # 4    | A  | 1500.0 | -18        | 2000.0 | -4  |
| Aroclor-1260 Peak # 5    | A  | 1500.0 | -14        | 2000.0 | 3   |
| Decachlorobiphenyl (PCB) | A  | 120.00 | -19        | 160.00 | 3   |
| TCMX (PCB)               | A  | 120.00 | -6         | 160.00 | -1  |
| Aroclor-1016 Peak # 1    | B  | 1500.0 | -15        | 2000.0 | -19 |
| Aroclor-1016 Peak # 2    | B  | 1500.0 | -16        | 2000.0 | -18 |
| Aroclor-1016 Peak # 3    | B  | 1500.0 | -15        | 2000.0 | -13 |
| Aroclor-1016 Peak # 4    | B  | 1500.0 | -11        | 2000.0 | -10 |
| Aroclor-1016 Peak # 5    | B  | 1500.0 | -16        | 2000.0 | -13 |
| Aroclor-1260 Peak # 1    | B  | 1500.0 | <b>-21</b> | 2000.0 | -14 |
| Aroclor-1260 Peak # 2    | B  | 1500.0 | <b>-23</b> | 2000.0 | -16 |
| Aroclor-1260 Peak # 3    | B  | 1500.0 | -20        | 2000.0 | -12 |
| Aroclor-1260 Peak # 4    | B  | 1500.0 | -20        | 2000.0 | -10 |
| Aroclor-1260 Peak # 5    | B  | 1500.0 | <b>-22</b> | 2000.0 | -12 |
| Decachlorobiphenyl (PCB) | B  | 120.00 | <b>-23</b> | 160.00 | -10 |
| TCMX (PCB)               | B  | 120.00 | -8         | 160.00 | -2  |

MTS 03/27/24 : Corrected automatically drawn baseline for all channels in all levels.

MTS 03/27/24 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for all channels in all levels.

**Analyst:** MTS 03/27/24

**Reviewer:** LW 03/27/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506093 PCBS Wipe  
EPA 8082

|                      |                       |
|----------------------|-----------------------|
| Inst: SVOA-GC06      | Name: PCB_032624_1    |
| Calnum: 454124679002 | Cal Date: 26-MAR-2024 |

• ICV 454124679026 (gc06\_032624026 26-MAR-2024) stds: S20242

| Analyte      | Ch | Spiked | Quant | Units | %D | Max | Flags |
|--------------|----|--------|-------|-------|----|-----|-------|
| Aroclor-1016 | A  | 500.0  | 518.1 | ug/L  | 4  | 15  |       |
| Aroclor-1260 | A  | 500.0  | 492.4 | ug/L  | -2 | 15  |       |
| Aroclor-1016 | B  | 500.0  | 529.2 | ug/L  | 6  | 15  |       |
| Aroclor-1260 | B  | 500.0  | 474.1 | ug/L  | -5 | 15  |       |

•

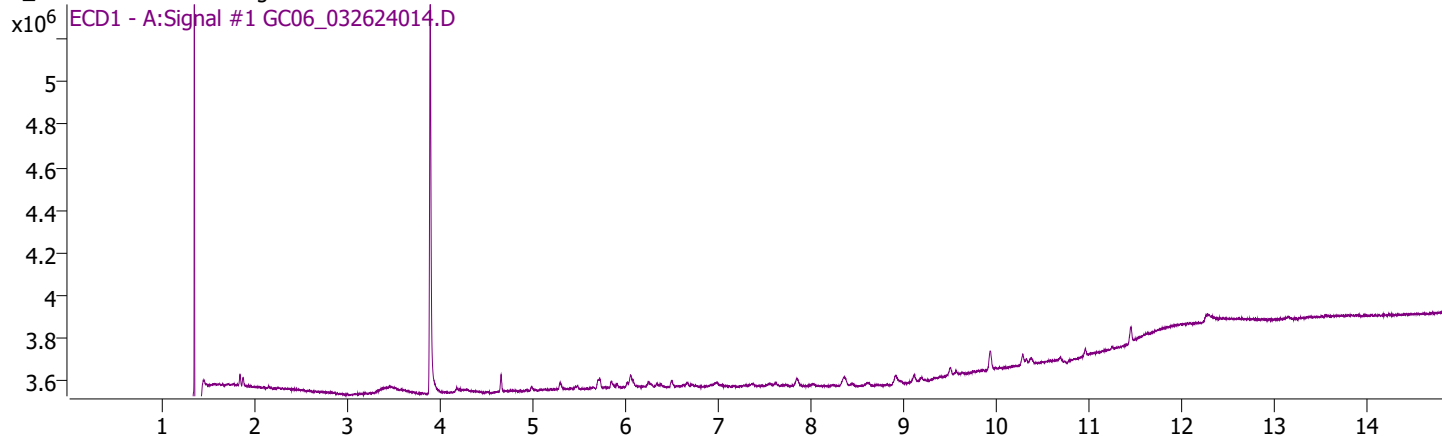
Analyst: MTS 03/27/24

Reviewer: LW 03/27/24

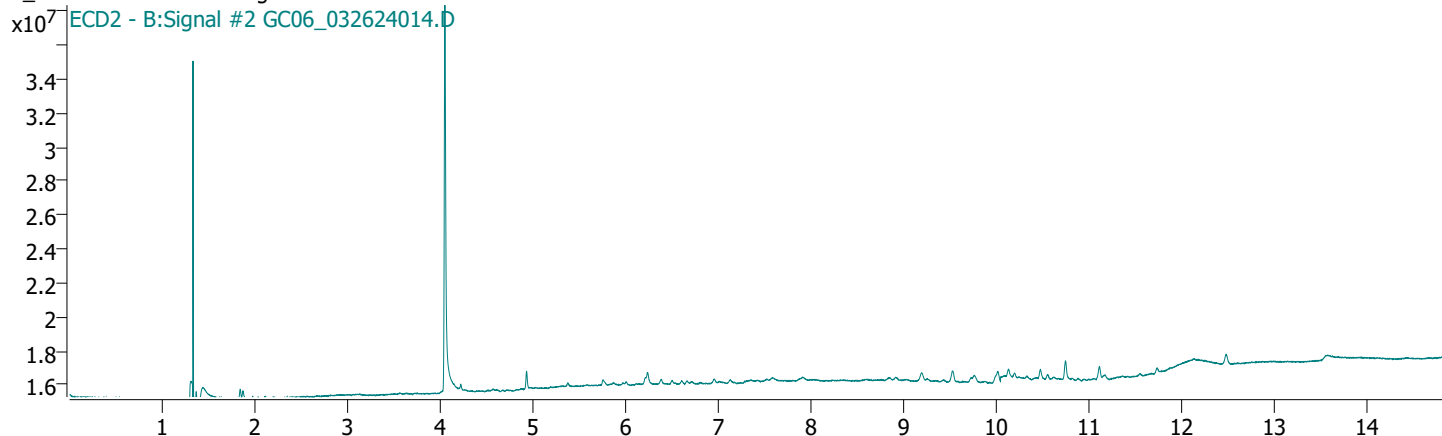
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624014.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 1:59:29 PM  |
| Sample Name    | ICAL, S20226            | Instrument        | SVOA-GC06             |
| Vial           | 10                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 10 ppb PCB ICAL 1     |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                         |                   |                       |

GC06\_032624014.D No MS Signals



GC06\_032624014.D No MS Signals



| Compound                          | RT                   | QIon | Resp.        | Conc.            | Units | Dev(Min) |
|-----------------------------------|----------------------|------|--------------|------------------|-------|----------|
| Internal Standards                |                      |      |              |                  |       |          |
| M 1-bromo-2-nitrobenzene (PCB)    | 3.894                | 0.0  | 2089421.421  | 20.0000          | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.053                | 0.0  | 28158653.596 | 20.0000          | ng/ml | 0.000    |
| System Monitoring Compounds       |                      |      |              |                  |       |          |
| S TCMX (PCB)                      | 4.660                | 0.0  | 85904.547    | 0.9132           | ng/ml | 0.003    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 4.57% | *     |          |
| S TCMX (PCB) #2                   | 4.935                | 0.0  | 1083546.190  | 0.8874           | ng/ml | 0.001    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 4.44% | *     |          |
| S Decachlorobiphenyl (PCB)        | 11.464               | 0.0  | 102403.334   | 0.8233           | ng/ml | 0.007    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 4.12% | *     |          |
| S Decachlorobiphenyl (PCB) #2     | 12.490               | 0.0  | 1225353.998  | 1.0645           | ng/ml | 0.001    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 5.32% | *     |          |
| Target Compounds                  |                      |      |              |                  |       | QValue   |
| T AR1016 1                        | 4.989                | 0.0  | 25633.265    | 11.4124          | ng/ml | 100      |

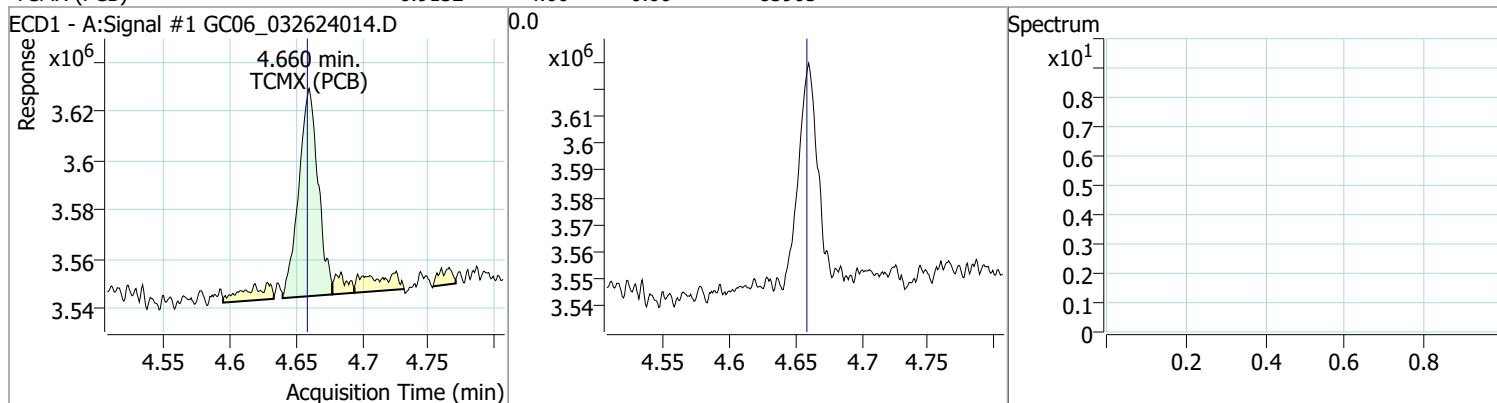
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.           | Conc.   | Units | Dev(Min) |
|---------------|--------|------|-----------------|---------|-------|----------|
| T AR1016 2    | 5.298  | 0.0  | 56094.192       | 12.9724 | ng/ml | m 100    |
| T AR1016 1 #2 | 5.380  | 0.0  | 348084.181      | 13.3774 | ng/ml | 100      |
| T AR1016 3    | 5.724  | 0.0  | 59375.407       | 11.1943 | ng/ml | m 100    |
| T AR1016 2 #2 | 5.763  | 0.0  | 621228.026      | 11.9339 | ng/ml | 100      |
| T AR1016 4    | 5.849  | 0.0  | 65840.195       | 17.5818 | ng/ml | m 100    |
| T AR1016 3 #2 | 6.243  | 0.0  | 1244439.86<br>1 | 17.2597 | ng/ml | m 100    |
| T AR1016 5    | 6.251  | 0.0  | 40919.566       | 13.0424 | ng/ml | 100      |
| T AR1016 4 #2 | 6.388  | 0.0  | 569917.020      | 11.9580 | ng/ml | 100      |
| T AR1016 5 #2 | 6.962  | 0.0  | 537537.200      | 13.4735 | ng/ml | 100      |
| T AR1260 1    | 7.861  | 0.0  | 99586.573       | 15.5843 | ng/ml | 100      |
| T AR1260 2    | 8.370  | 0.0  | 147344.098      | 15.0723 | ng/ml | 100      |
| T AR1260 3    | 8.920  | 0.0  | 165789.819      | 16.0910 | ng/ml | 100      |
| T AR1260 1 #2 | 9.203  | 0.0  | 1244566.45<br>2 | 15.7911 | ng/ml | 100      |
| T AR1260 4    | 9.511  | 0.0  | 72337.901       | 12.2051 | ng/ml | 100      |
| T AR1260 2 #2 | 9.536  | 0.0  | 1431730.88<br>9 | 14.9335 | ng/ml | 100      |
| T AR1260 3 #2 | 10.025 | 0.0  | 1527396.95<br>9 | 12.9196 | ng/ml | 100      |
| T AR1260 5    | 10.295 | 0.0  | 86093.558       | 13.0103 | ng/ml | 100      |
| T AR1260 4 #2 | 10.483 | 0.0  | 1030690.07<br>9 | 14.0200 | ng/ml | 100      |
| T AR1260 5 #2 | 11.123 | 0.0  | 1384231.24<br>1 | 13.9836 | ng/ml | 100      |

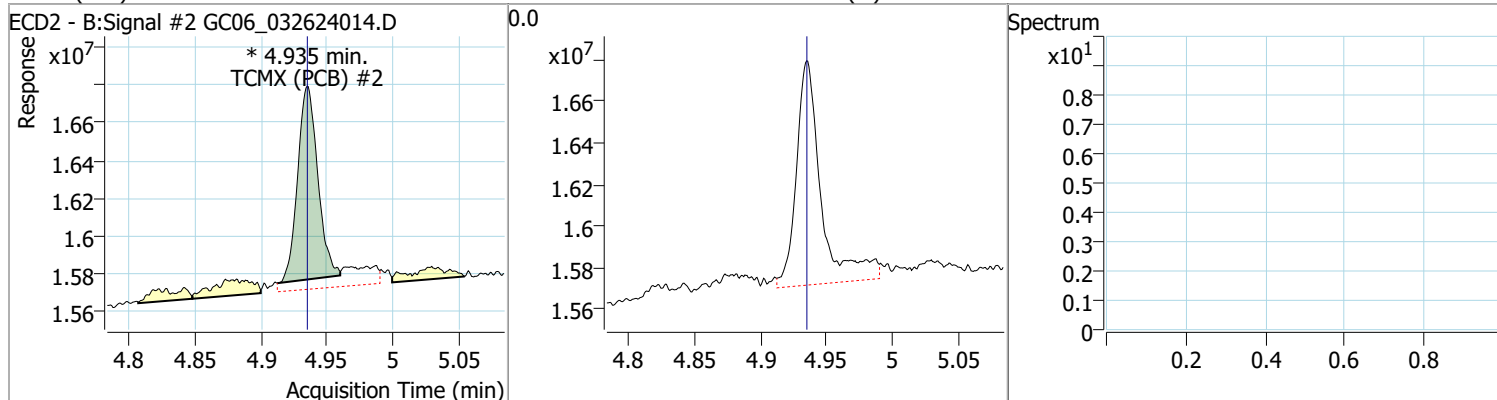
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

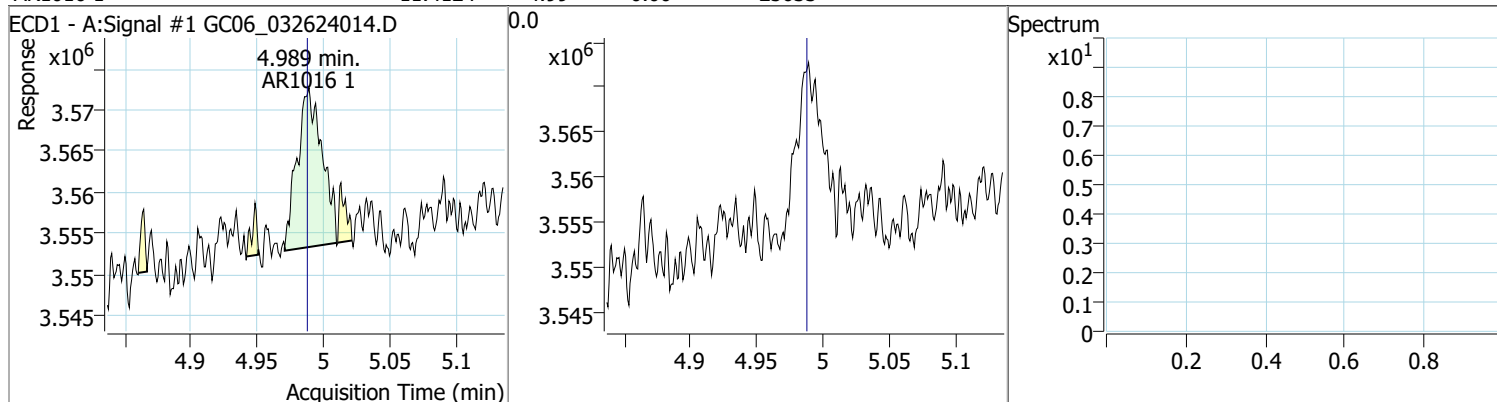
| Compound   | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|-------|------|--------|-------|-------|
| TCMX (PCB) | 0.9132 | 4.66 | 0.00     | 85905 |      |        |       |       |



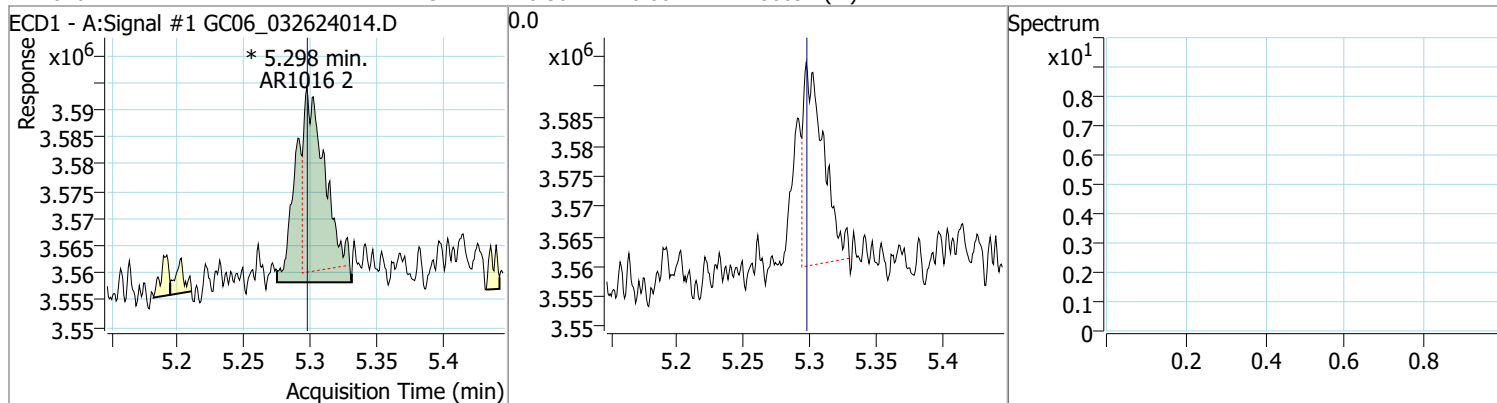
| Compound      | Conc.  | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|-------------|------|--------|-------|-------|
| TCMX (PCB) #2 | 0.8874 | 4.94 | 0.00     | 1083546 (m) |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1016 1 | 11.4124 | 4.99 | 0.00     | 25633 |      |        |       |       |

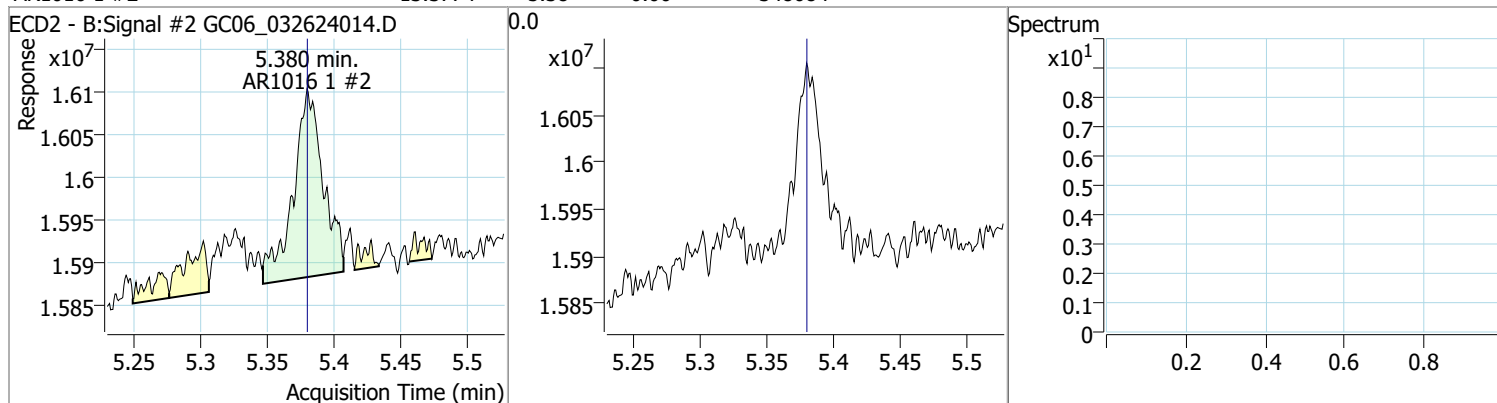


| Compound | Conc.   | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-----------|------|--------|-------|-------|
| AR1016 2 | 12.9724 | 5.30 | 0.00     | 56094 (m) |      |        |       |       |

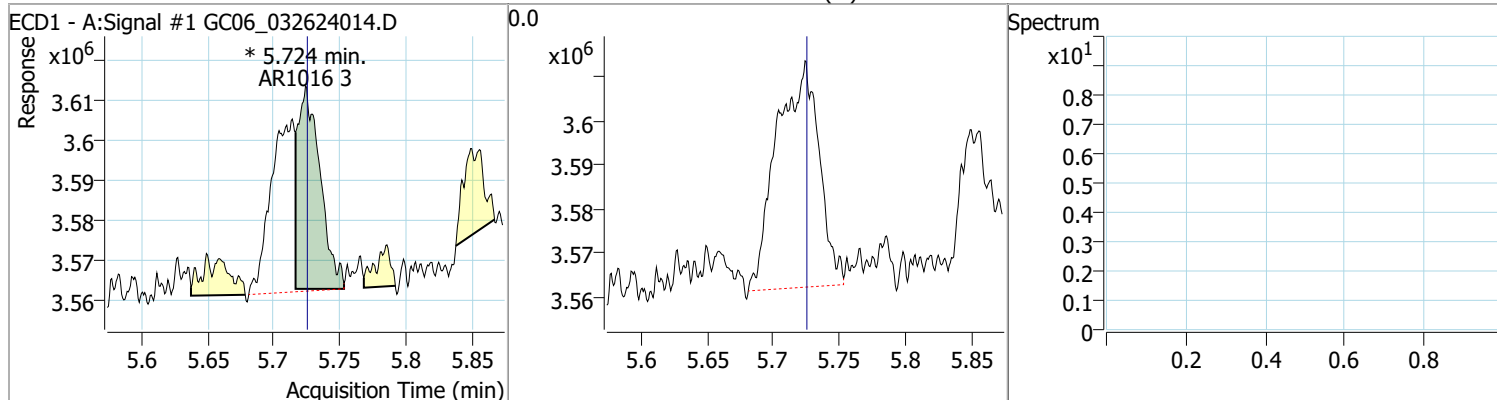


# Quantitation Results Report (Not Reviewed)

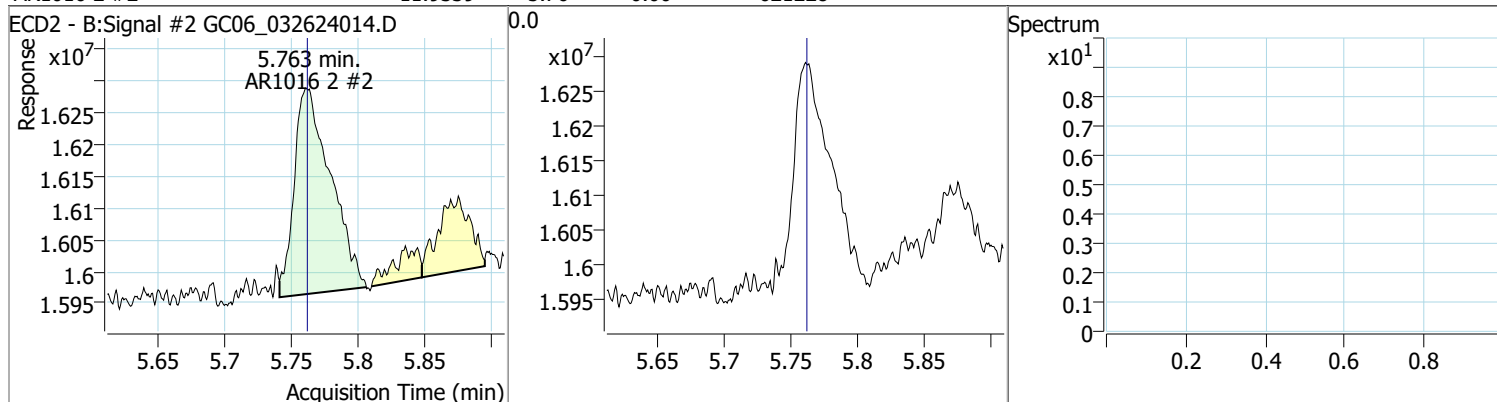
| Compound    | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 #2 | 13.3774 | 5.38 | 0.00     | 348084 |      |        |       |       |



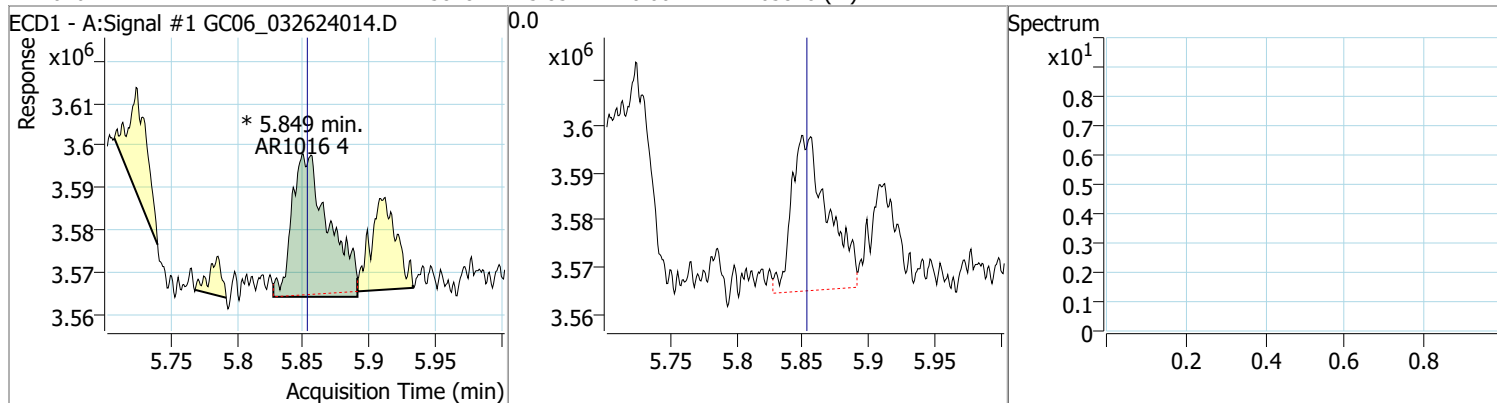
| Compound | Conc.   | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-----------|------|--------|-------|-------|
| AR1016 3 | 11.1943 | 5.72 | 0.00     | 59375 (m) |      |        |       |       |



| Compound    | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 #2 | 11.9339 | 5.76 | 0.00     | 621228 |      |        |       |       |

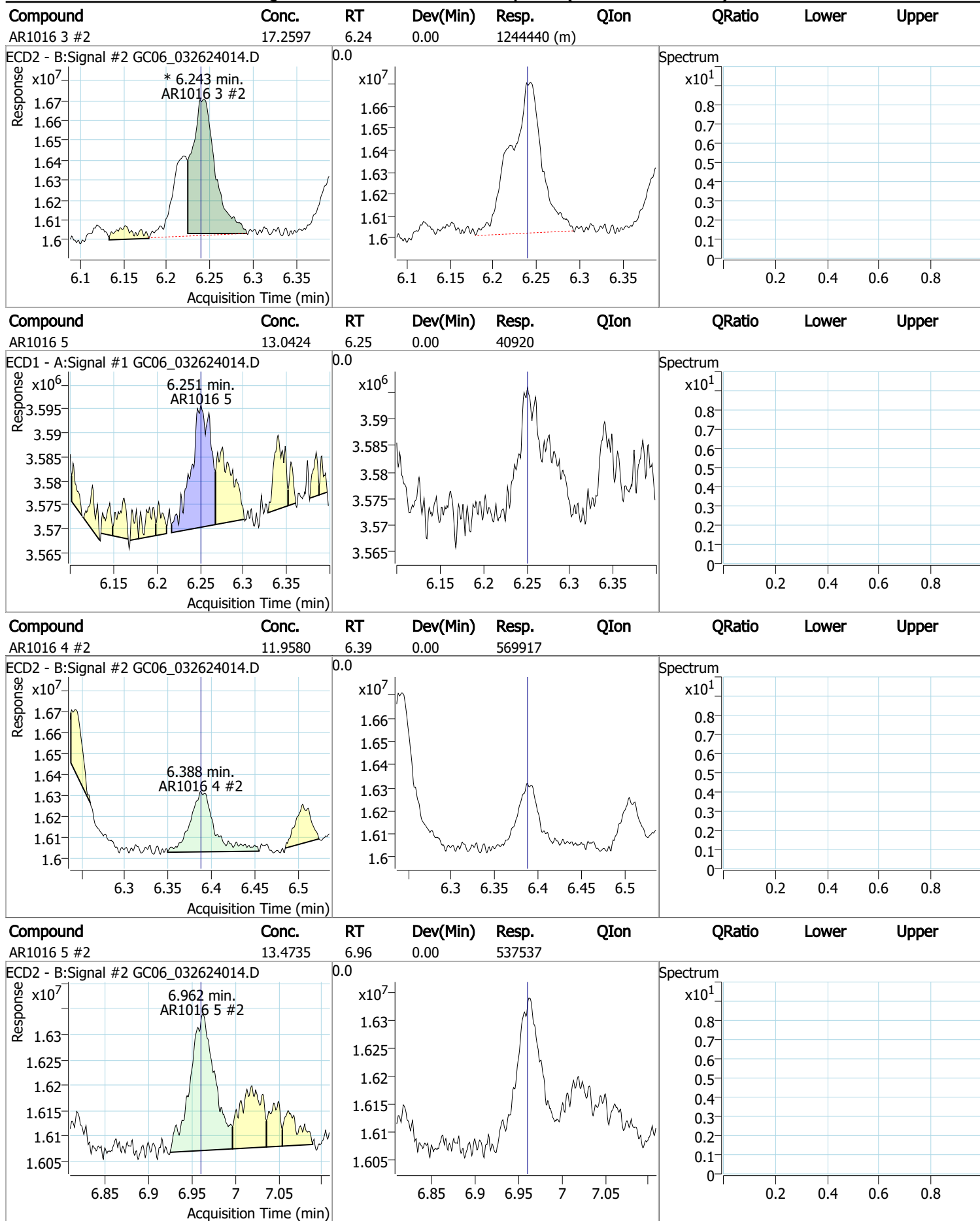


| Compound | Conc.   | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-----------|------|--------|-------|-------|
| AR1016 4 | 17.5818 | 5.85 | 0.00     | 65840 (m) |      |        |       |       |

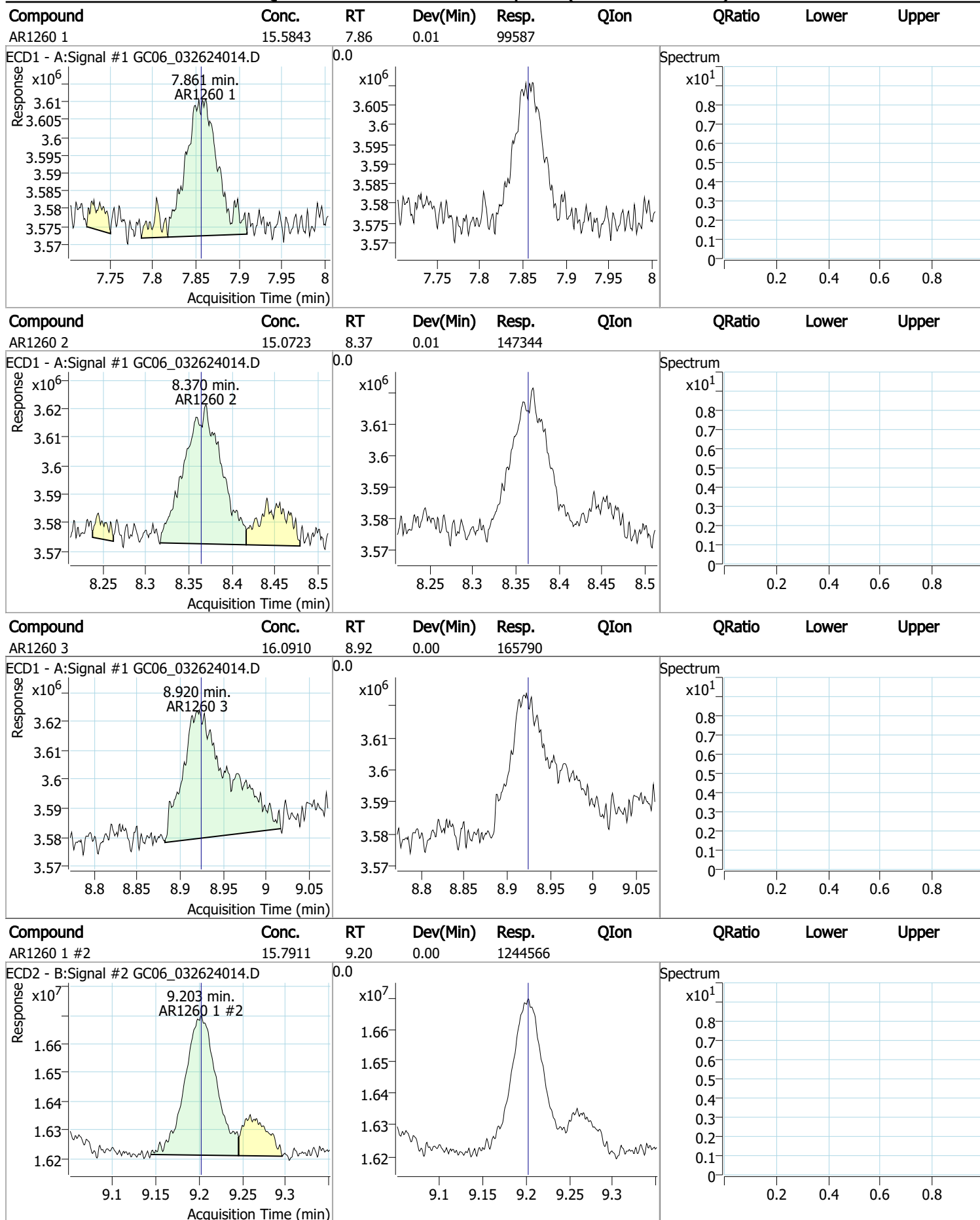




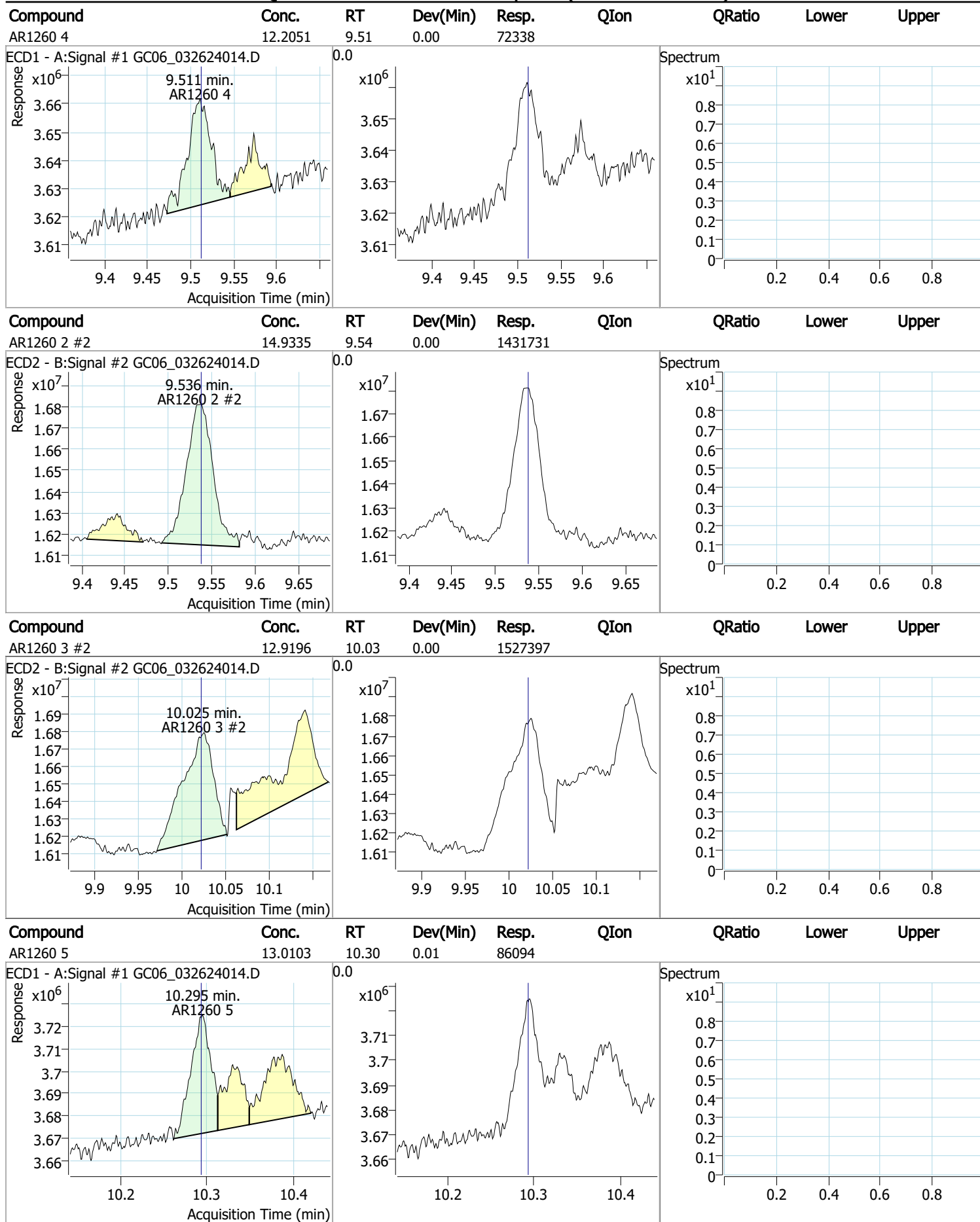
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



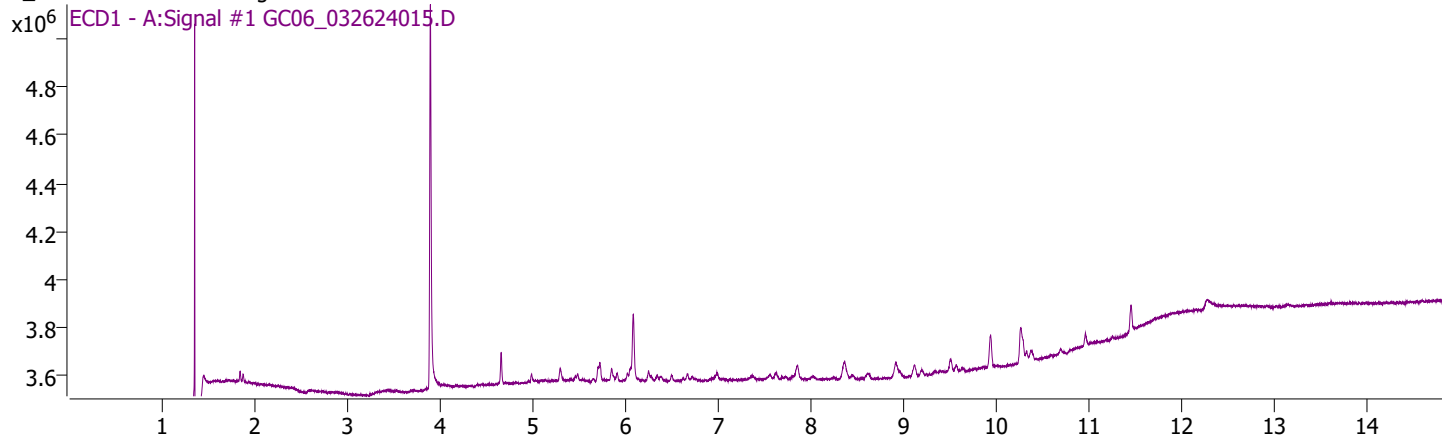
# Quantitation Results Report (Not Reviewed)

| Compound                                                                                                                                                          | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|---------|------|--------|-------|-------|
| AR1260 4 #2                                                                                                                                                       | 14.0200 | 10.48 | 0.00     | 1030690 |      |        |       |       |
| <div> <div> <p>ECD2 - B:Signal #2 GC06_032624014.D</p> <p>10.483 min.<br/>AR1260 4 #2</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div>                 |         |       |          |         |      |        |       |       |
| Compound                                                                                                                                                          | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
| AR1260 5 #2                                                                                                                                                       | 13.9836 | 11.12 | 0.00     | 1384231 |      |        |       |       |
| <div> <div> <p>ECD2 - B:Signal #2 GC06_032624014.D</p> <p>11.123 min.<br/>AR1260 5 #2</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div>                 |         |       |          |         |      |        |       |       |
| Compound                                                                                                                                                          | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
| Decachlorobiphenyl (PCB)                                                                                                                                          | 0.8233  | 11.46 | 0.01     | 102403  |      |        |       |       |
| <div> <div> <p>ECD1 - A:Signal #1 GC06_032624014.D</p> <p>11.464 min.<br/>Decachlorobiphenyl (PCB)</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div>    |         |       |          |         |      |        |       |       |
| Compound                                                                                                                                                          | Conc.   | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
| Decachlorobiphenyl (PCB) #2                                                                                                                                       | 1.0645  | 12.49 | 0.00     | 1225354 |      |        |       |       |
| <div> <div> <p>ECD2 - B:Signal #2 GC06_032624014.D</p> <p>12.490 min.<br/>Decachlorobiphenyl (PCB) #2</p> </div> <div> </div> <div> <p>Spectrum</p> </div> </div> |         |       |          |         |      |        |       |       |

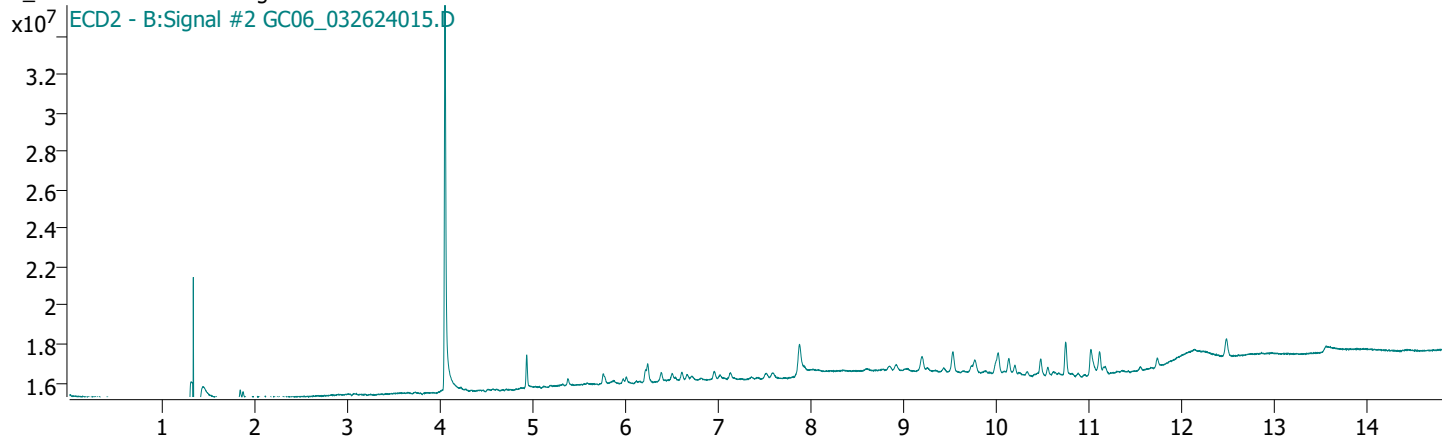
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624015.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 2:19:20 PM  |
| Sample Name    | ICAL, S20227            | Instrument        | SVOA-GC06             |
| Vial           | 11                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 20 ppb PCB ICAL 2     |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                         |                   |                       |

GC06\_032624015.D No MS Signals



GC06\_032624015.D No MS Signals



| Compound                          | RT                   | QIon | Resp.        | Conc.            | Units | Dev(Min) |
|-----------------------------------|----------------------|------|--------------|------------------|-------|----------|
| Internal Standards                |                      |      |              |                  |       |          |
| M 1-bromo-2-nitrobenzene (PCB)    | 3.895                | 0.0  | 1870771.640  | 20.0000          | ng/ml | 0.002    |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.053                | 0.0  | 25290192.357 | 20.0000          | ng/ml | 0.000    |
| System Monitoring Compounds       |                      |      |              |                  |       |          |
| S TCMX (PCB)                      | 4.659                | 0.0  | 150658.657   | 1.7888           | ng/ml | 0.003    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 8.94% | *     |          |
| S TCMX (PCB) #2                   | 4.935                | 0.0  | 1852601.800  | 1.6893           | ng/ml | 0.001    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 8.45% | *     |          |
| S Decachlorobiphenyl (PCB)        | 11.459               | 0.0  | 187957.377   | 1.6877           | ng/ml | 0.002    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 8.44% | *     |          |
| S Decachlorobiphenyl (PCB) #2     | 12.490               | 0.0  | 1878707.320  | 1.8172           | ng/ml | 0.001    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 9.09% | *     |          |
| Target Compounds                  |                      |      |              |                  |       | QValue   |
| T AR1016 1                        | 4.988                | 0.0  | 49300.554    | 24.5148          | ng/ml | 100      |

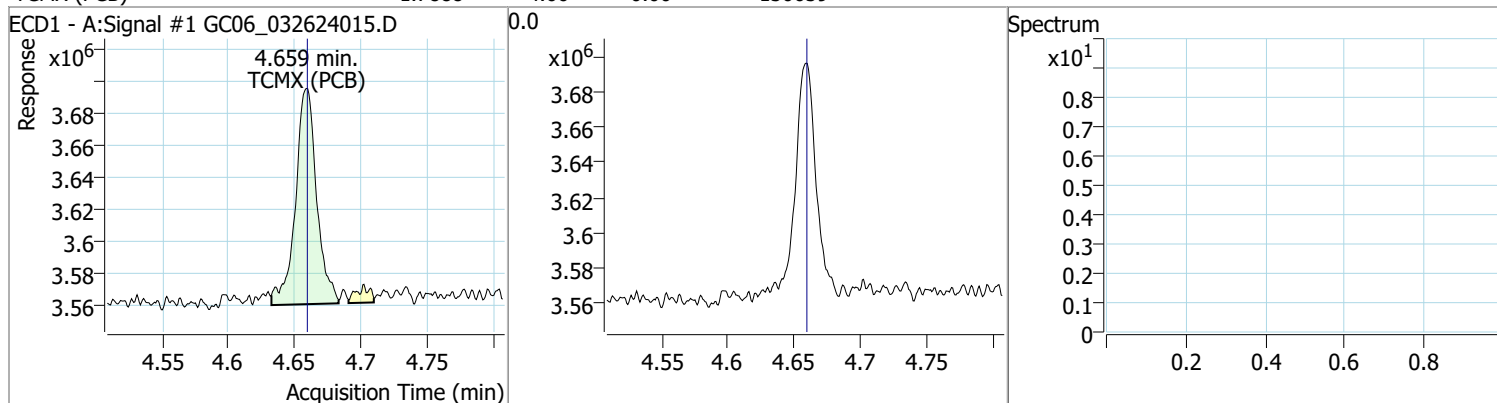
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.       | Conc.   | Units | Dev(Min) |
|---------------|--------|------|-------------|---------|-------|----------|
| T AR1016 2    | 5.297  | 0.0  | 92820.133   | 23.9745 | ng/ml | 100      |
| T AR1016 1 #2 | 5.379  | 0.0  | 502906.593  | 21.5197 | ng/ml | 100      |
| T AR1016 3    | 5.723  | 0.0  | 109543.629  | 23.0666 | ng/ml | m 100    |
| T AR1016 2 #2 | 5.762  | 0.0  | 1145383.578 | 24.4987 | ng/ml | 100      |
| T AR1016 4    | 5.853  | 0.0  | 90883.887   | 27.1060 | ng/ml | 100      |
| T AR1016 3 #2 | 6.240  | 0.0  | 1457925.325 | 22.5141 | ng/ml | m 100    |
| T AR1016 5    | 6.250  | 0.0  | 59791.729   | 21.2850 | ng/ml | m 100    |
| T AR1016 4 #2 | 6.386  | 0.0  | 778329.992  | 18.1832 | ng/ml | 100      |
| T AR1016 5 #2 | 6.958  | 0.0  | 806862.932  | 22.5181 | ng/ml | 100      |
| T AR1260 1    | 7.860  | 0.0  | 143075.410  | 25.0068 | ng/ml | 100      |
| T AR1260 2    | 8.368  | 0.0  | 223929.556  | 25.5837 | ng/ml | 100      |
| T AR1260 3    | 8.920  | 0.0  | 232094.978  | 25.1591 | ng/ml | m 100    |
| T AR1260 1 #2 | 9.204  | 0.0  | 1831455.403 | 25.8732 | ng/ml | 100      |
| T AR1260 4    | 9.508  | 0.0  | 113249.915  | 21.3411 | ng/ml | 100      |
| T AR1260 2 #2 | 9.537  | 0.0  | 2247621.702 | 26.1026 | ng/ml | 100      |
| T AR1260 3 #2 | 10.026 | 0.0  | 2738401.567 | 25.7902 | ng/ml | 100      |
| T AR1260 5    | 10.271 | 0.0  | 368982.345  | 62.2769 | ng/ml | 100      |
| T AR1260 4 #2 | 10.485 | 0.0  | 1453858.225 | 22.0193 | ng/ml | m 100    |
| T AR1260 5 #2 | 11.118 | 0.0  | 2430896.311 | 27.3424 | ng/ml | 100      |

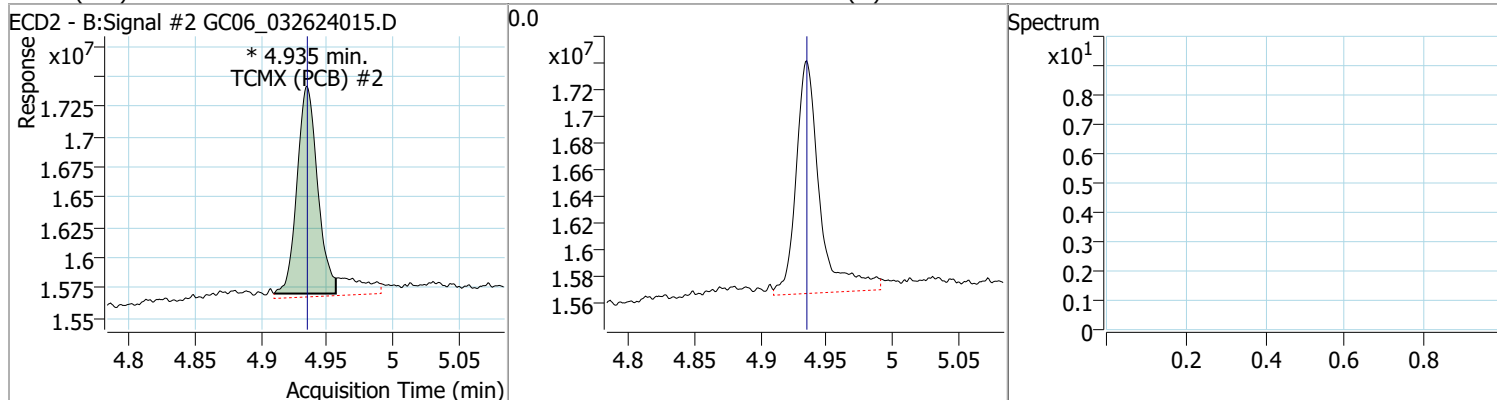
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

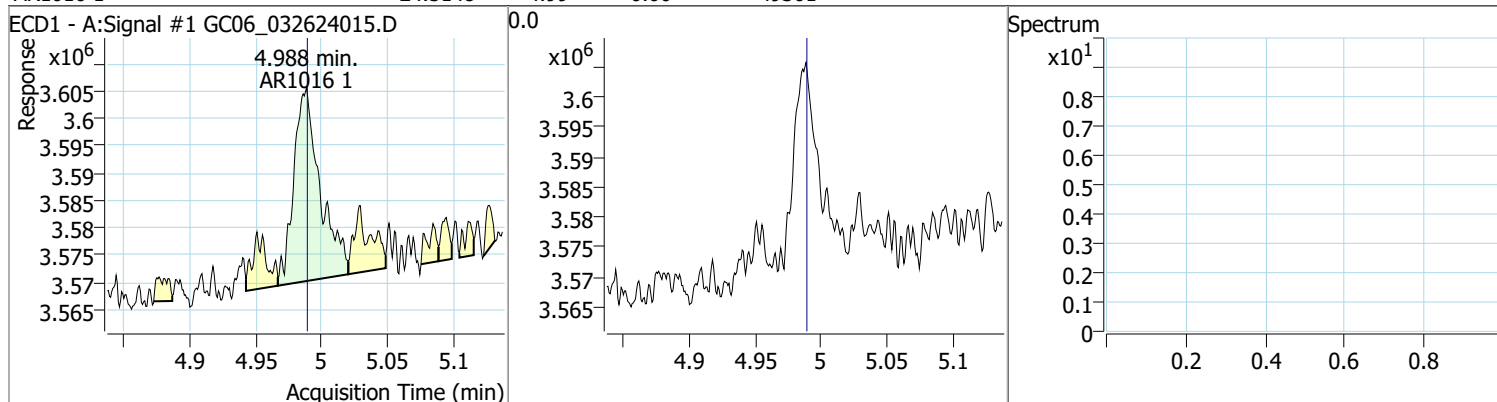
| Compound   | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|--------|------|--------|-------|-------|
| TCMX (PCB) | 1.7888 | 4.66 | 0.00     | 150659 |      |        |       |       |



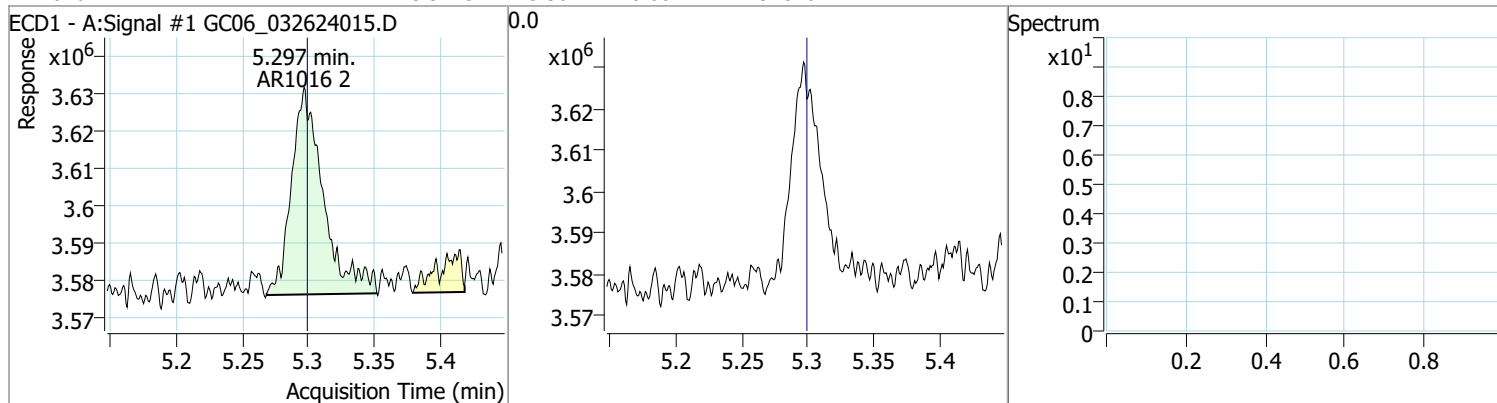
| Compound      | Conc.  | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|-------------|------|--------|-------|-------|
| TCMX (PCB) #2 | 1.6893 | 4.94 | 0.00     | 1852602 (m) |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1016 1 | 24.5148 | 4.99 | 0.00     | 49301 |      |        |       |       |

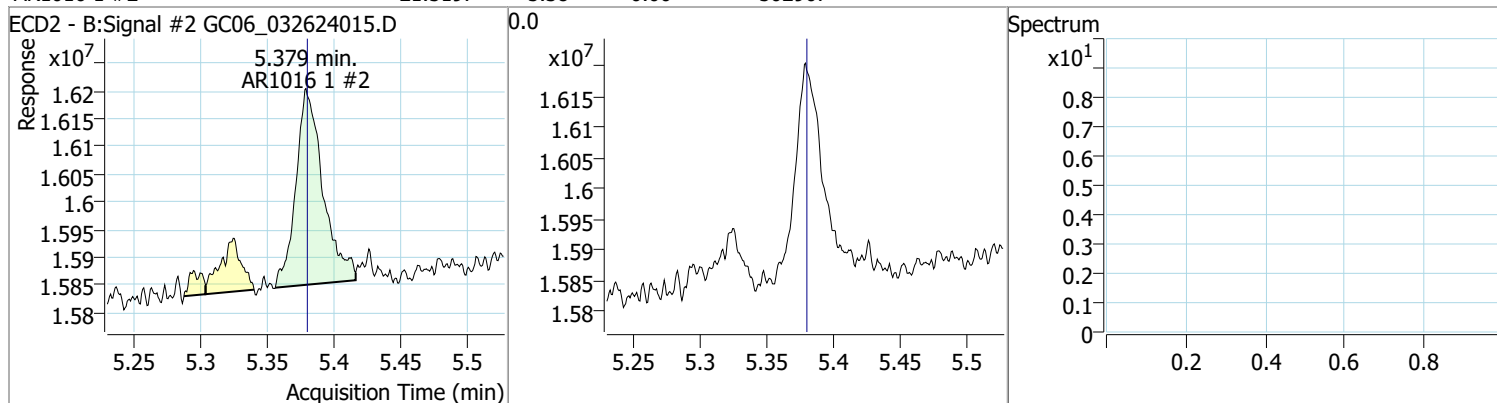


| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1016 2 | 23.9745 | 5.30 | 0.00     | 92820 |      |        |       |       |

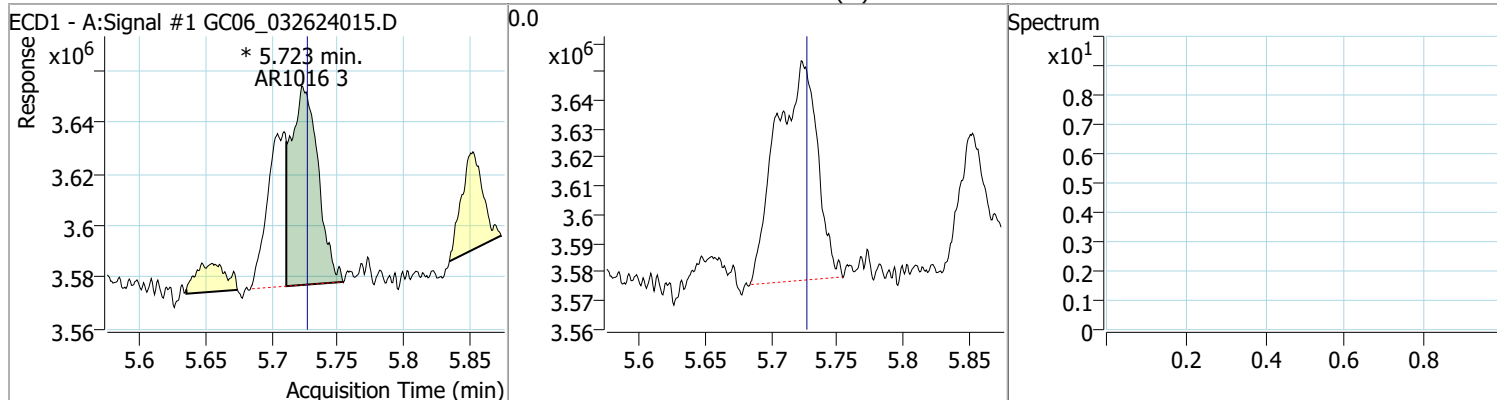


# Quantitation Results Report (Not Reviewed)

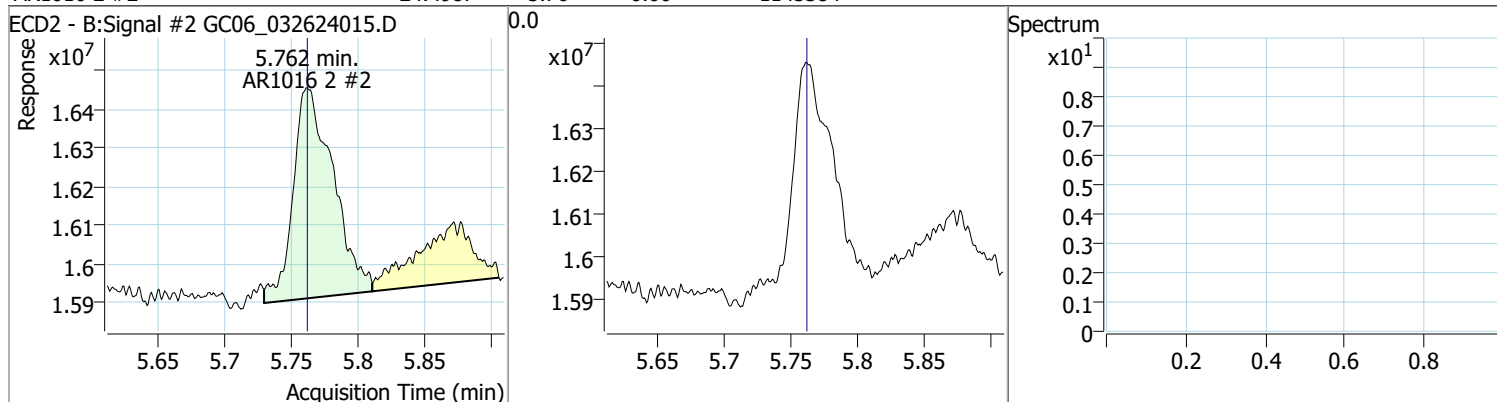
| Compound    | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 #2 | 21.5197 | 5.38 | 0.00     | 502907 |      |        |       |       |



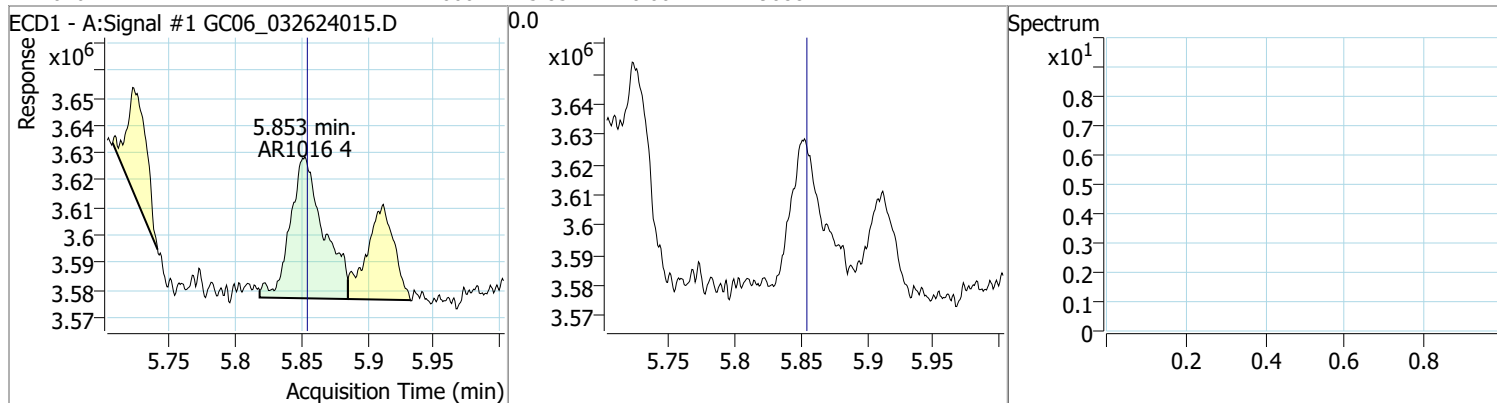
| Compound | Conc.   | RT   | Dev(Min) | Resp.      | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|------------|------|--------|-------|-------|
| AR1016 3 | 23.0666 | 5.72 | 0.00     | 109544 (m) |      |        |       |       |



| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 24.4987 | 5.76 | 0.00     | 1145384 |      |        |       |       |

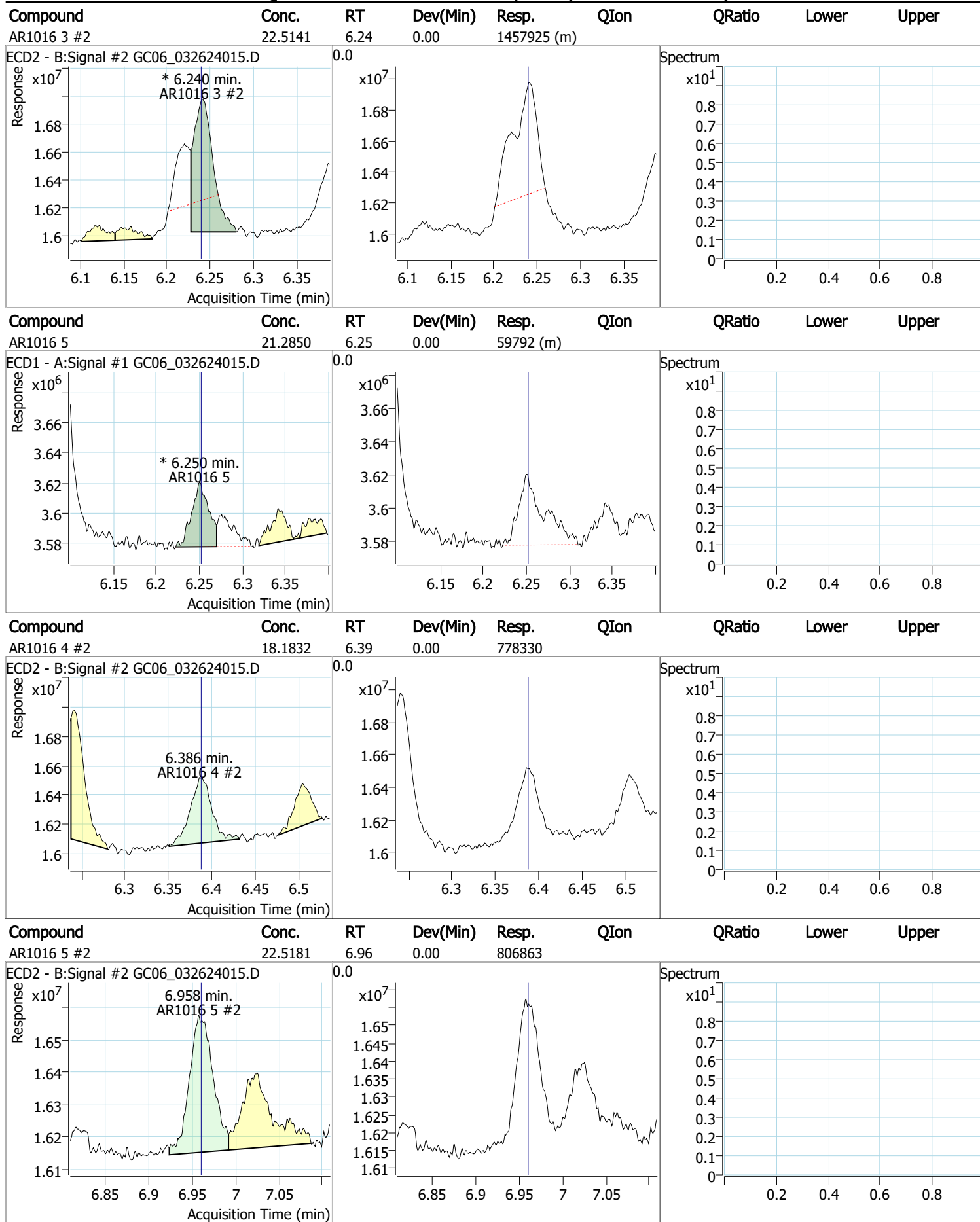


| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| AR1016 4 | 27.1060 | 5.85 | 0.00     | 90884 |      |        |       |       |

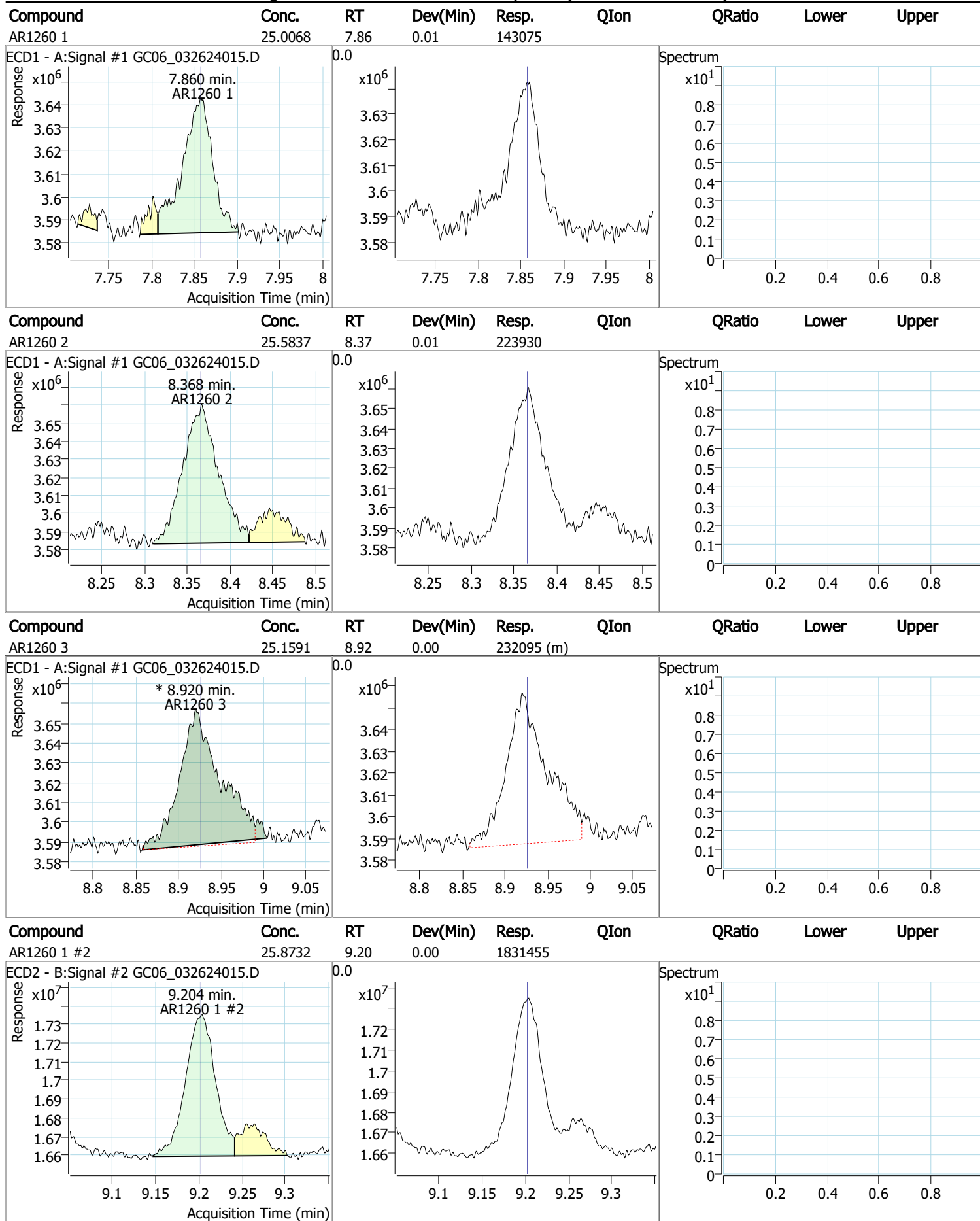




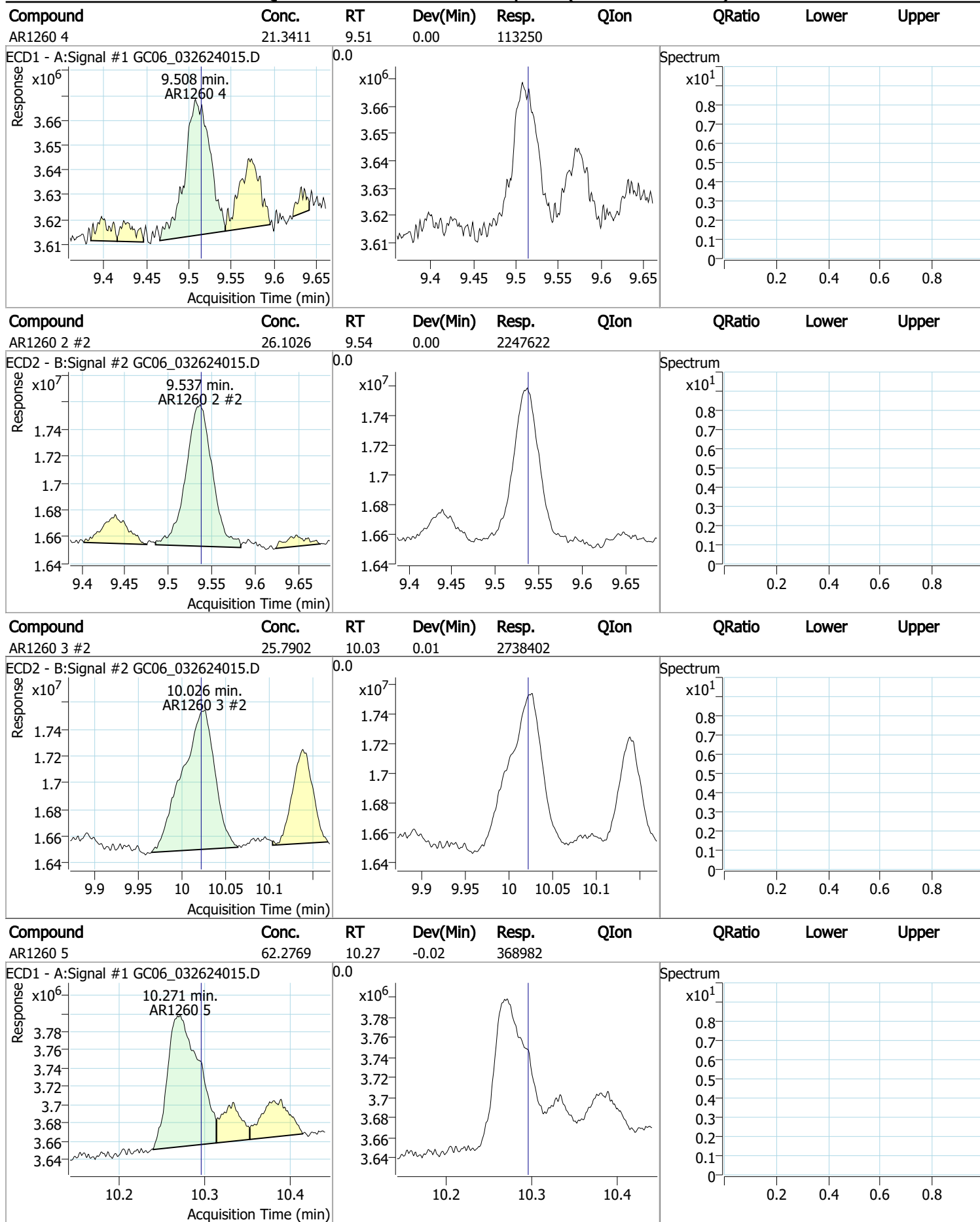
# Quantitation Results Report (Not Reviewed)



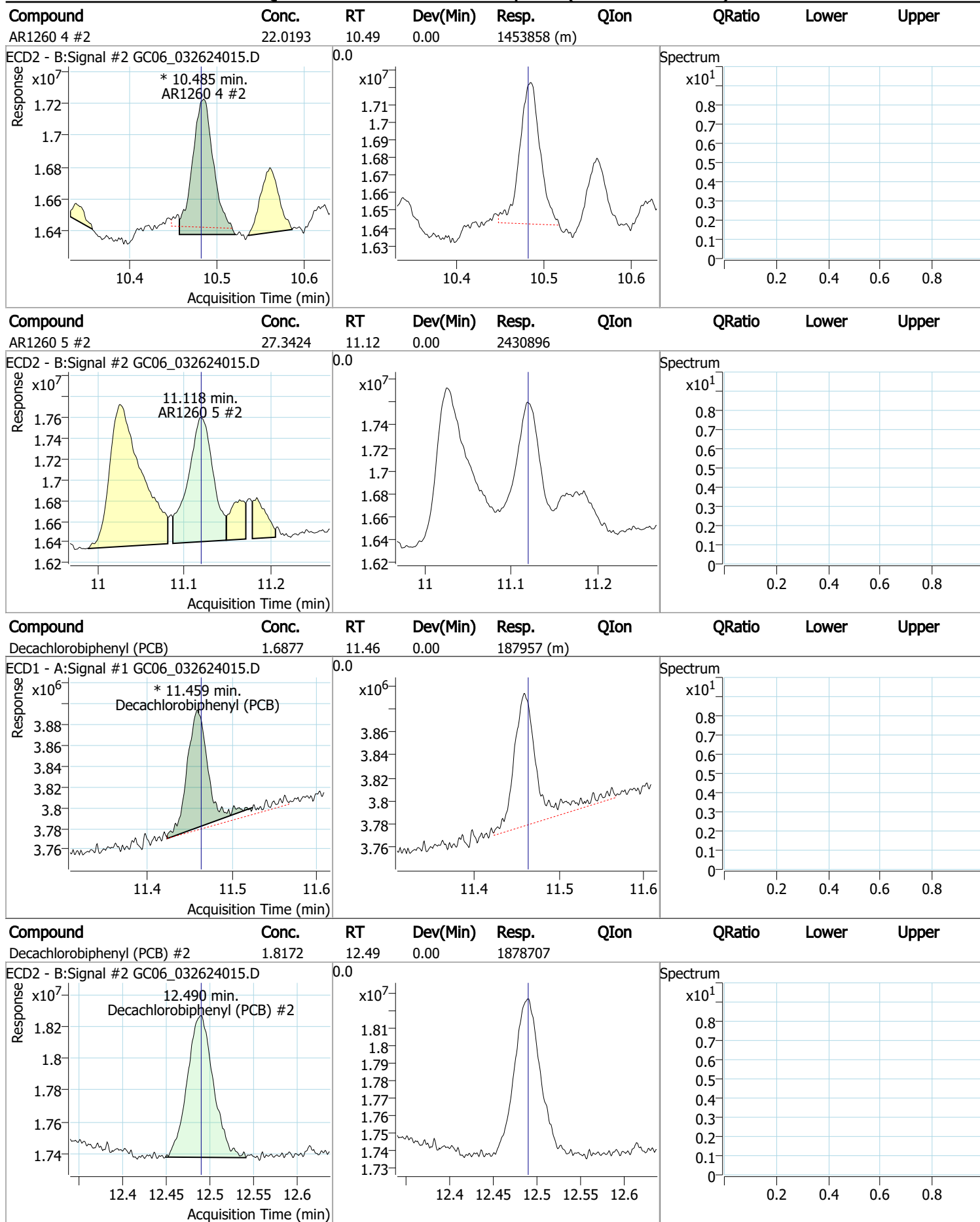
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



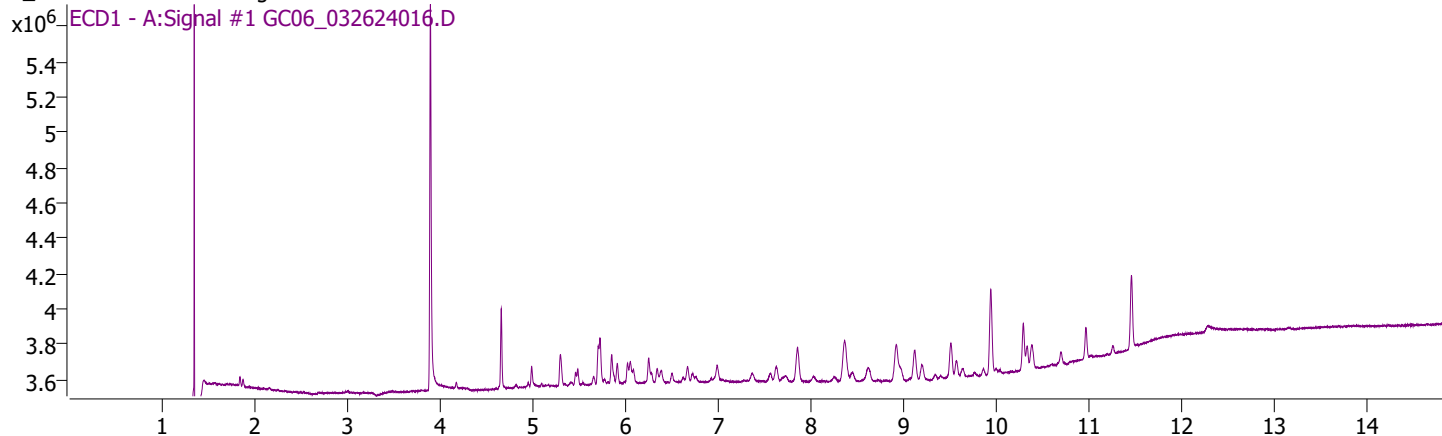
# Quantitation Results Report (Not Reviewed)



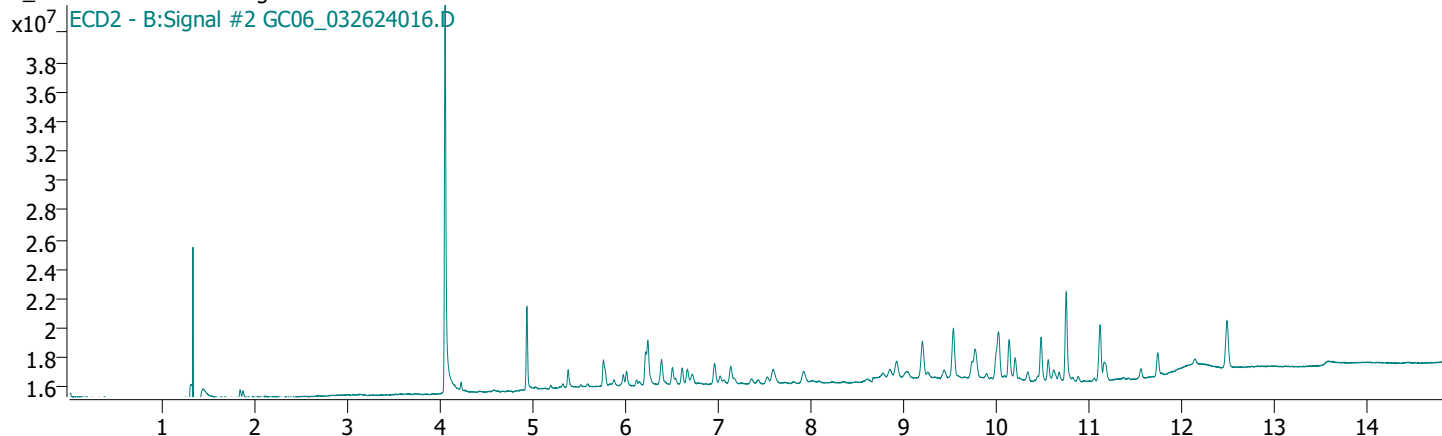
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624016.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 2:38:56 PM  |
| Sample Name    | ICAL, S20228            | Instrument        | SVOA-GC06             |
| Vial           | 12                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 50 ppb PCB ICAL 3     |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |

GC06\_032624016.D No MS Signals



GC06\_032624016.D No MS Signals



| Compound                          | RT                   | QIon | Resp.        | Conc.             | Units | Dev(Min) |
|-----------------------------------|----------------------|------|--------------|-------------------|-------|----------|
| Internal Standards                |                      |      |              |                   |       |          |
| M 1-bromo-2-nitrobenzene (PCB)    | 3.893                | 0.0  | 2506887.129  | 20.0000           | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.053                | 0.0  | 32342805.939 | 20.0000           | ng/ml | 0.000    |
| System Monitoring Compounds       |                      |      |              |                   |       |          |
| S TCMX (PCB)                      | 4.658                | 0.0  | 482525.319   | 4.2753            | ng/ml | 0.002    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 21.38% |       | *        |
| S TCMX (PCB) #2                   | 4.935                | 0.0  | 6630185.386  | 4.7275            | ng/ml | 0.001    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 23.64% |       | *        |
| S Decachlorobiphenyl (PCB)        | 11.458               | 0.0  | 700308.097   | 4.6926            | ng/ml | 0.000    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 23.46% |       | *        |
| S Decachlorobiphenyl (PCB) #2     | 12.489               | 0.0  | 6808911.946  | 5.1498            | ng/ml | 0.000    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 25.75% |       | *        |
| Target Compounds                  |                      |      |              |                   |       | QValue   |
| T AR1016 1                        | 4.987                | 0.0  | 155063.902   | 57.5405           | ng/ml | 100      |

# Quantitation Results Report (Not Reviewed)

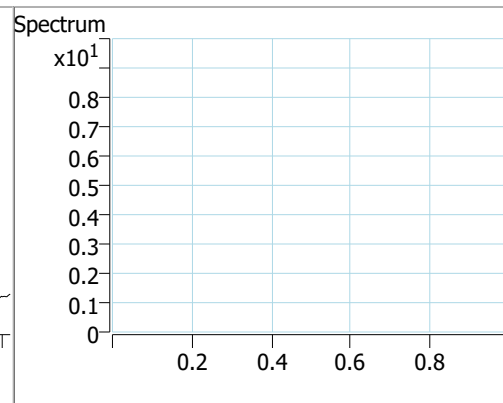
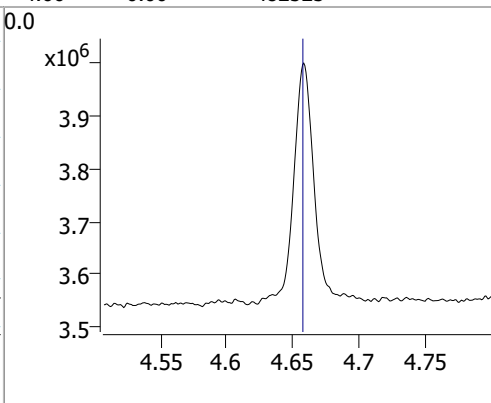
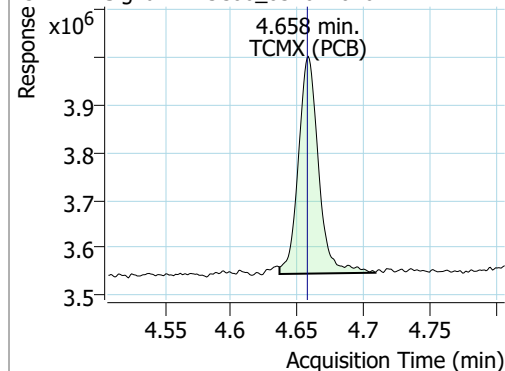
| Compound      | RT     | QIon | Resp.           | Conc.   | Units | Dev(Min) |
|---------------|--------|------|-----------------|---------|-------|----------|
| T AR1016 2    | 5.298  | 0.0  | 287867.386      | 58.1846 | ng/ml | 100      |
| T AR1016 1 #2 | 5.380  | 0.0  | 1795425.27<br>4 | 60.0745 | ng/ml | 100      |
| T AR1016 3    | 5.723  | 0.0  | 362881.293      | 57.0226 | ng/ml | m 100    |
| T AR1016 2 #2 | 5.761  | 0.0  | 3401110.65<br>2 | 56.8837 | ng/ml | 100      |
| T AR1016 4    | 5.852  | 0.0  | 261751.489      | 58.2577 | ng/ml | 100      |
| T AR1016 3 #2 | 6.240  | 0.0  | 5140139.90<br>0 | 62.0682 | ng/ml | m 100    |
| T AR1016 5    | 6.250  | 0.0  | 222889.053      | 59.2117 | ng/ml | 100      |
| T AR1016 4 #2 | 6.388  | 0.0  | 3366318.77<br>9 | 61.4945 | ng/ml | 100      |
| T AR1016 5 #2 | 6.961  | 0.0  | 2606171.21<br>5 | 56.8735 | ng/ml | 100      |
| T AR1260 1    | 7.856  | 0.0  | 459590.174      | 59.9445 | ng/ml | 100      |
| T AR1260 2    | 8.363  | 0.0  | 691539.505      | 58.9596 | ng/ml | 100      |
| T AR1260 3    | 8.920  | 0.0  | 739284.997      | 59.8036 | ng/ml | 100      |
| T AR1260 1 #2 | 9.203  | 0.0  | 5604540.62<br>9 | 61.9111 | ng/ml | 100      |
| T AR1260 4    | 9.510  | 0.0  | 385031.324      | 54.1454 | ng/ml | 100      |
| T AR1260 2 #2 | 9.537  | 0.0  | 7113850.81<br>7 | 64.6010 | ng/ml | 100      |
| T AR1260 3 #2 | 10.023 | 0.0  | 8382052.75<br>5 | 61.7281 | ng/ml | 100      |
| T AR1260 5    | 10.291 | 0.0  | 459097.105      | 55.8650 | ng/ml | 100      |
| T AR1260 4 #2 | 10.483 | 0.0  | 4916972.51<br>4 | 58.2308 | ng/ml | m 100    |
| T AR1260 5 #2 | 11.119 | 0.0  | 6911670.73<br>7 | 60.7893 | 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)

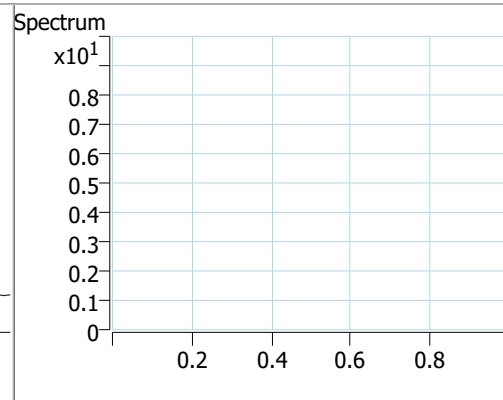
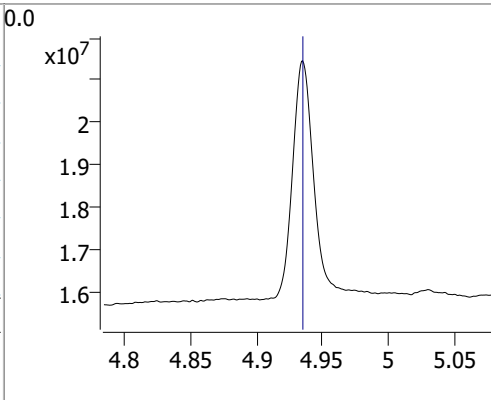
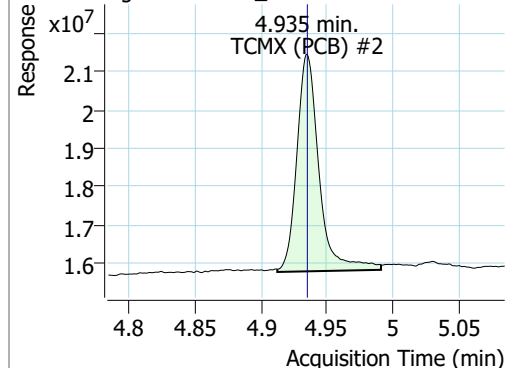
| Compound   | Conc.  | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|--------|------|--------|-------|-------|
| TCMX (PCB) | 4.2753 | 4.66 | 0.00     | 482525 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_032624016.D



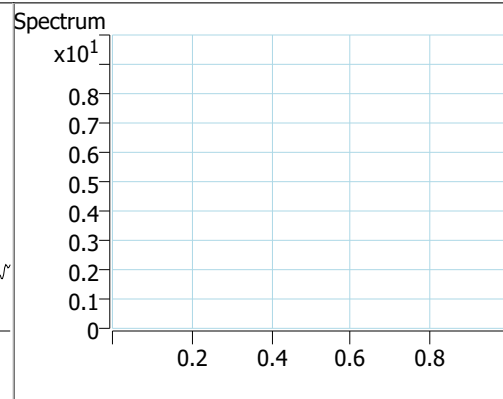
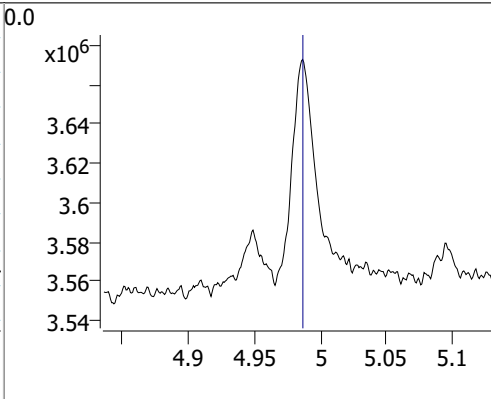
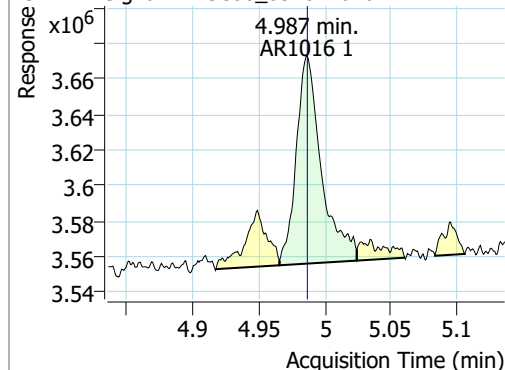
| Compound      | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) #2 | 4.7275 | 4.94 | 0.00     | 6630185 |      |        |       |       |

ECD2 - B:Signal #2 GC06\_032624016.D



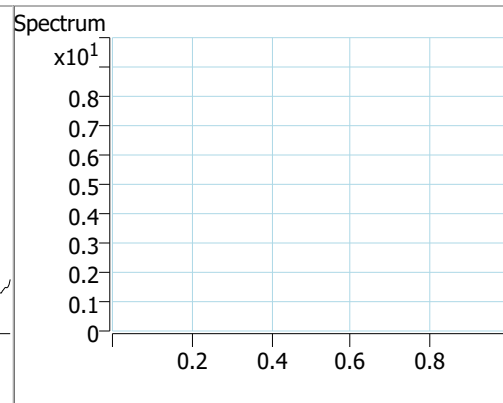
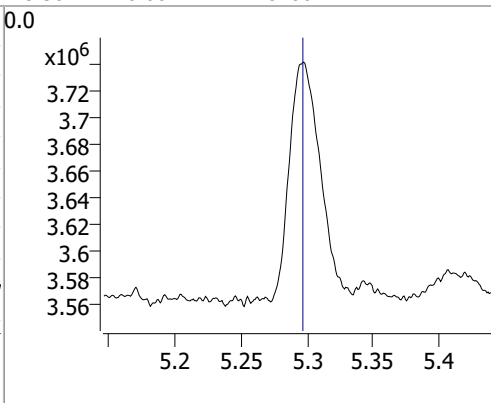
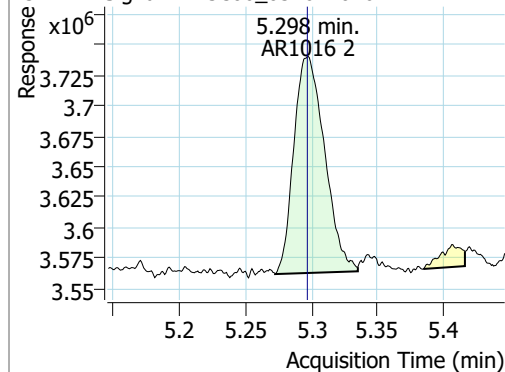
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 57.5405 | 4.99 | 0.00     | 155064 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_032624016.D



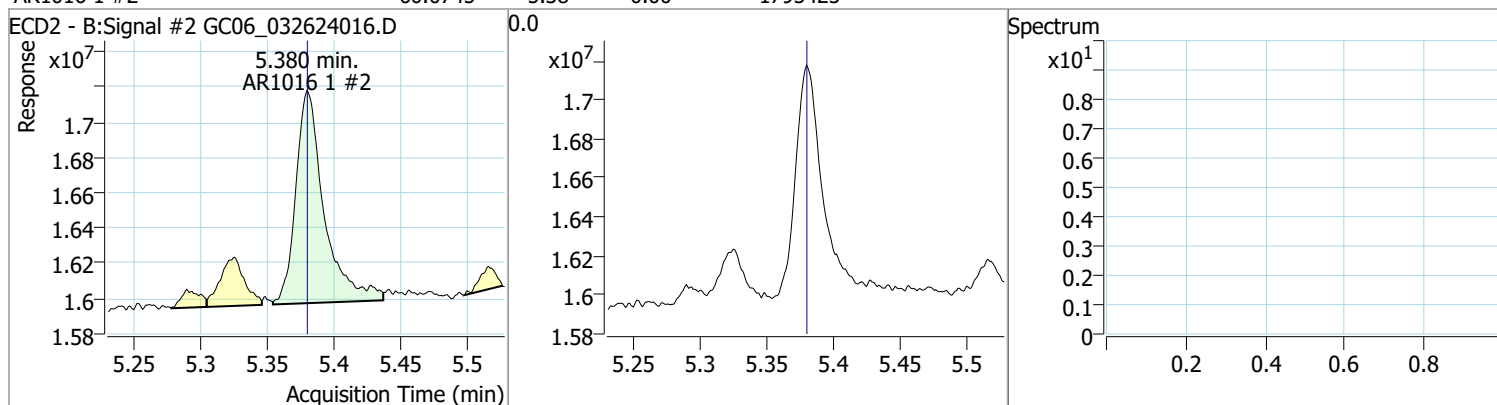
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 2 | 58.1846 | 5.30 | 0.00     | 287867 |      |        |       |       |

ECD1 - A:Signal #1 GC06\_032624016.D

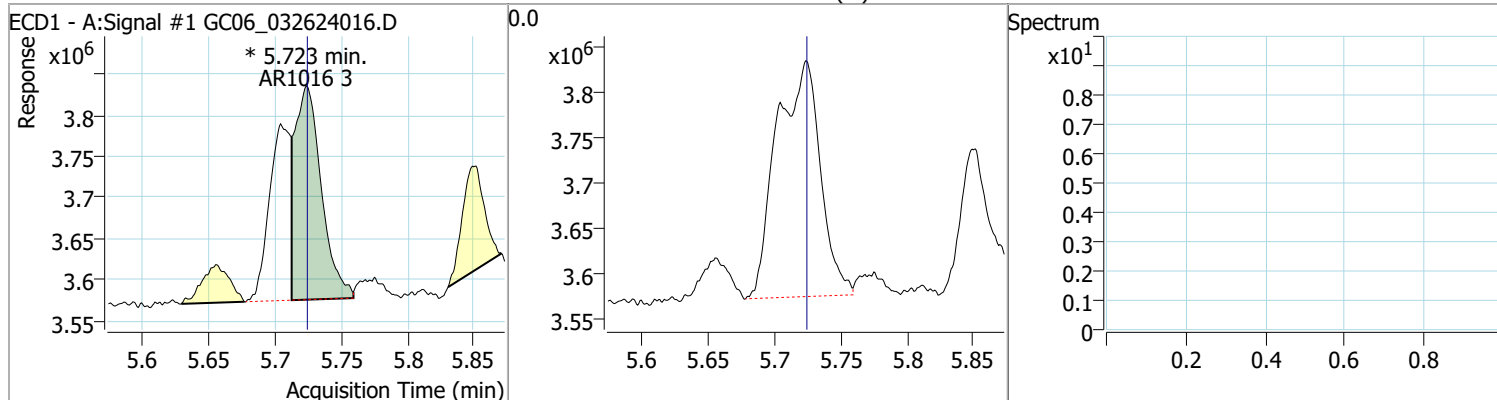


# Quantitation Results Report (Not Reviewed)

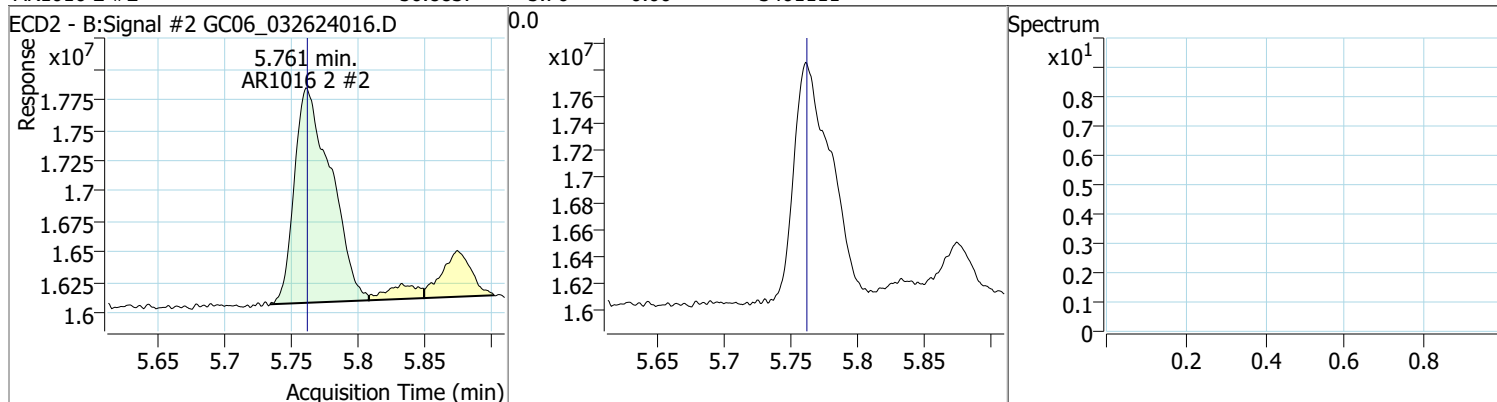
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 60.0745 | 5.38 | 0.00     | 1795425 |      |        |       |       |



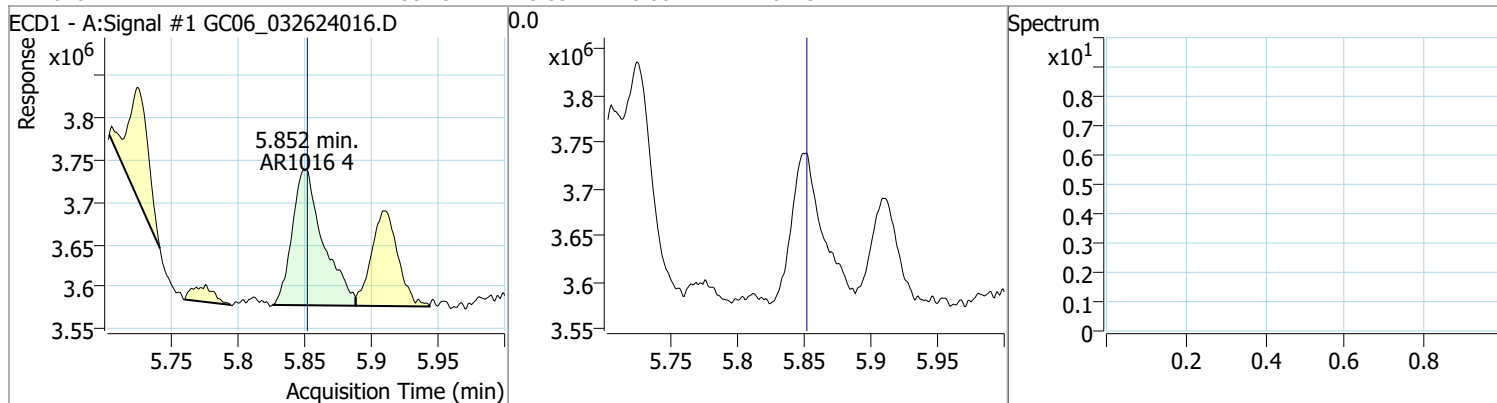
| Compound | Conc.   | RT   | Dev(Min) | Resp.      | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|------------|------|--------|-------|-------|
| AR1016 3 | 57.0226 | 5.72 | 0.00     | 362881 (m) |      |        |       |       |



| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 56.8837 | 5.76 | 0.00     | 3401111 |      |        |       |       |

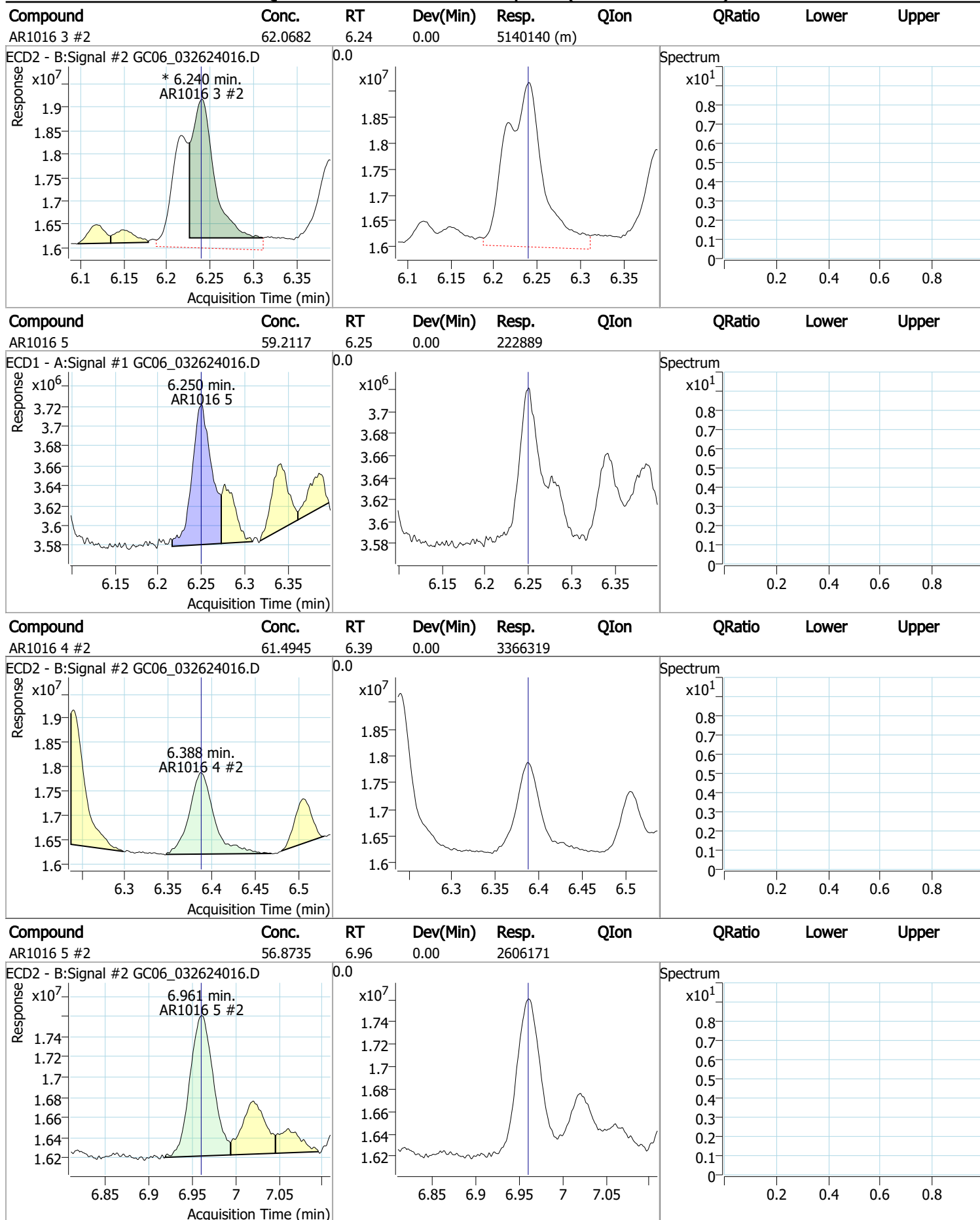


| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1016 4 | 58.2577 | 5.85 | 0.00     | 261751 |      |        |       |       |



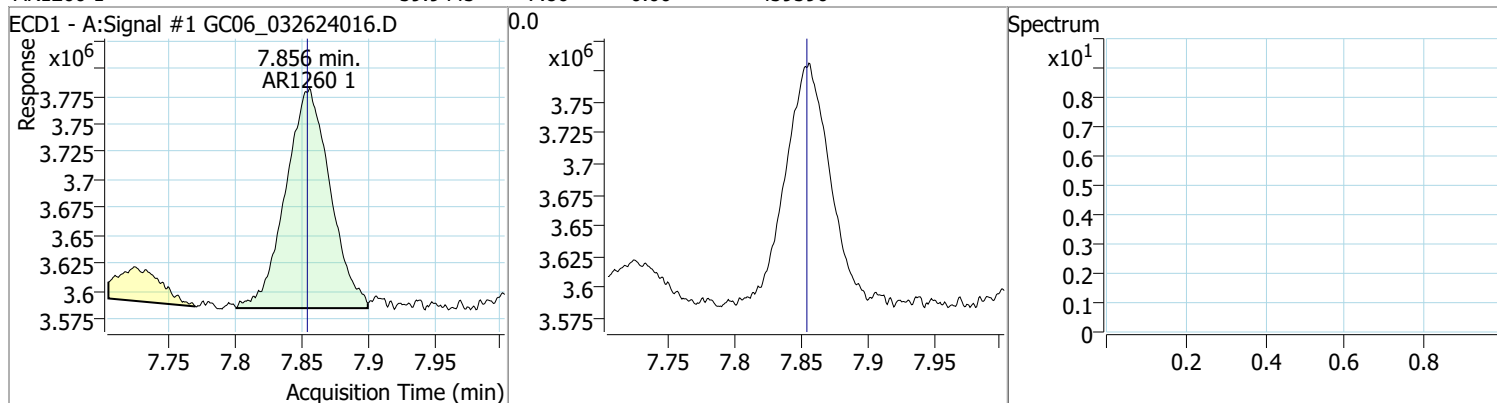


# Quantitation Results Report (Not Reviewed)

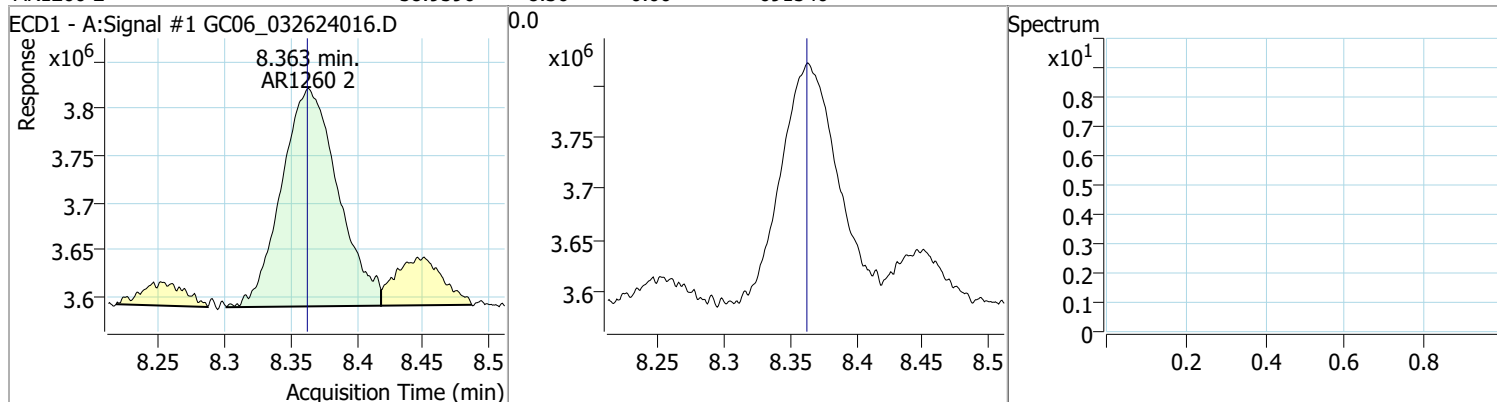


# Quantitation Results Report (Not Reviewed)

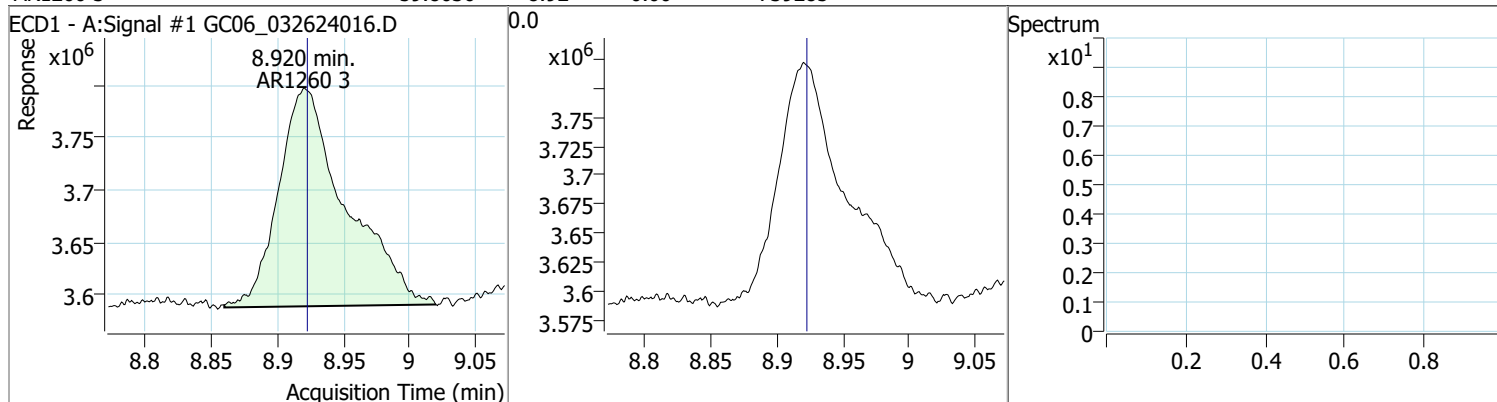
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 1 | 59.9445 | 7.86 | 0.00     | 459590 |      |        |       |       |



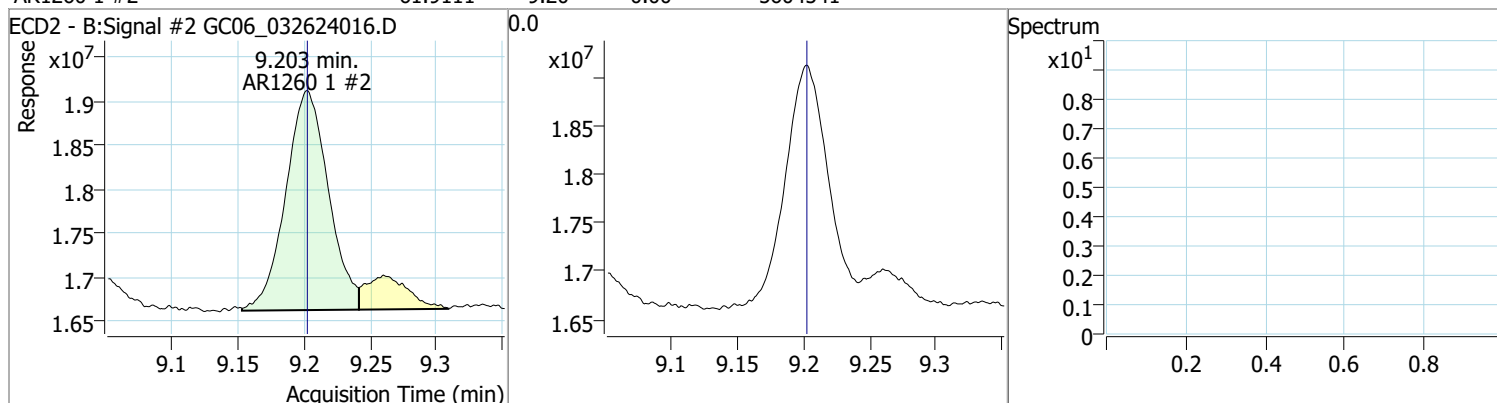
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 2 | 58.9596 | 8.36 | 0.00     | 691540 |      |        |       |       |



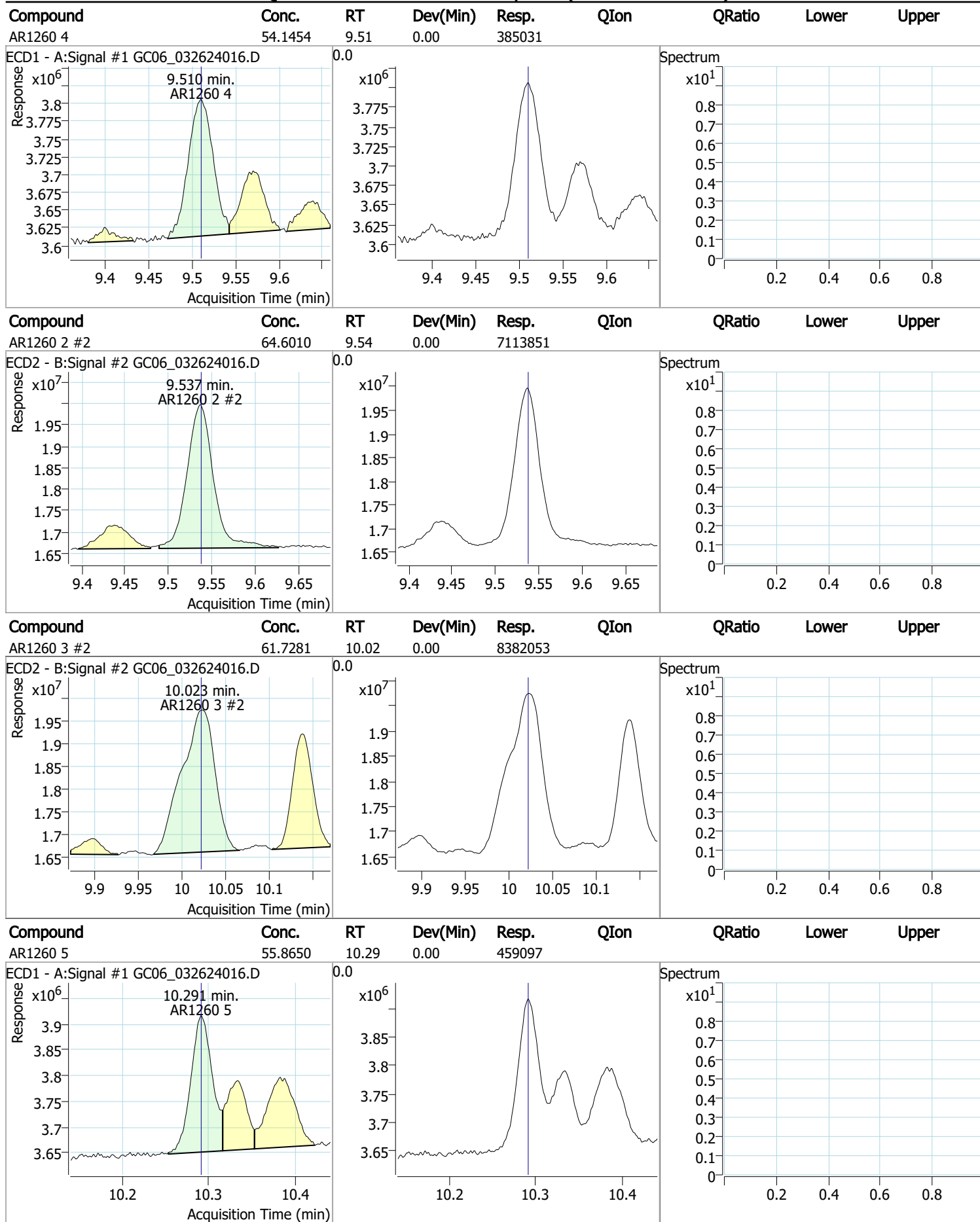
| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| AR1260 3 | 59.8036 | 8.92 | 0.00     | 739285 |      |        |       |       |



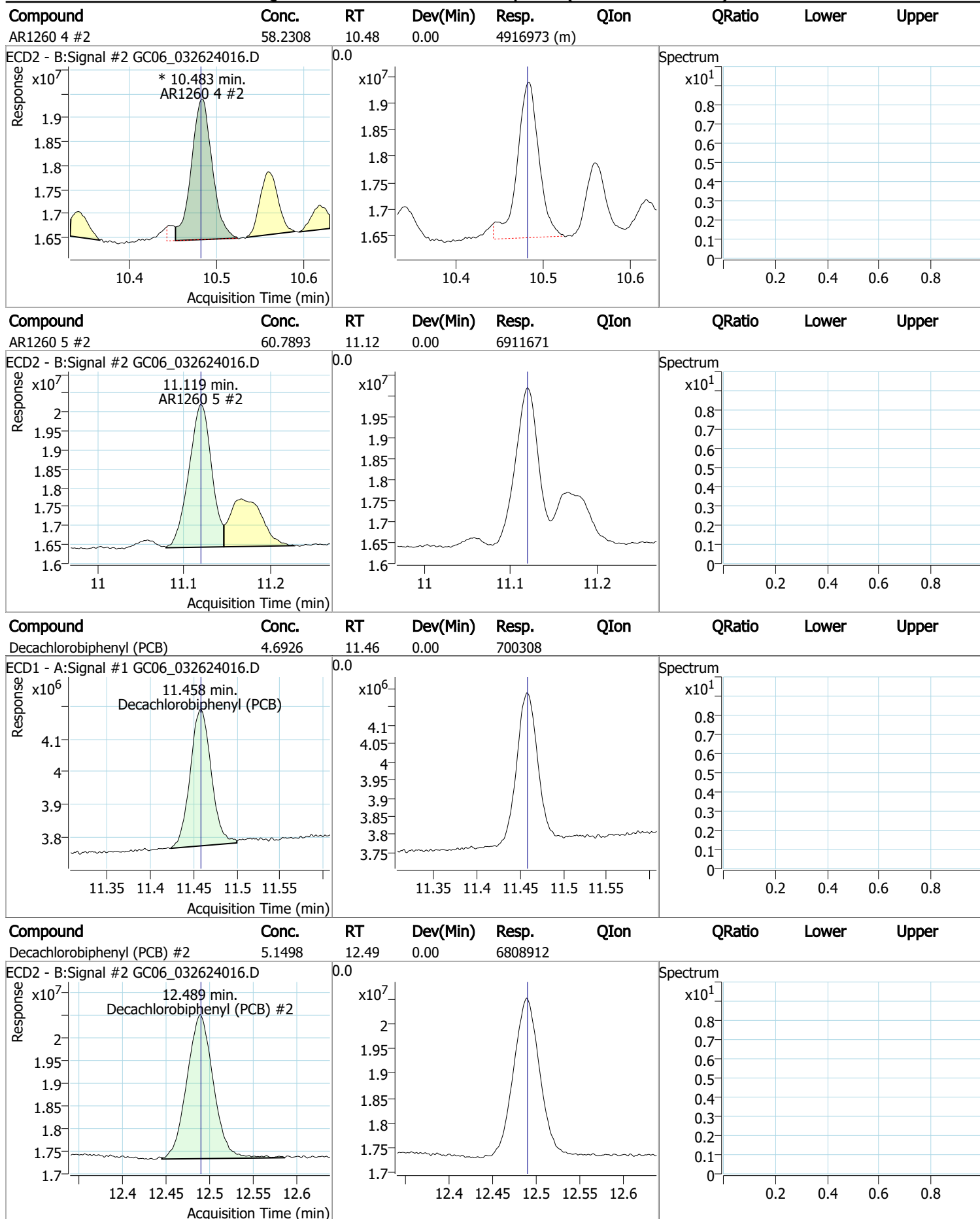
| Compound    | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|---------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 #2 | 61.9111 | 9.20 | 0.00     | 5604541 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)

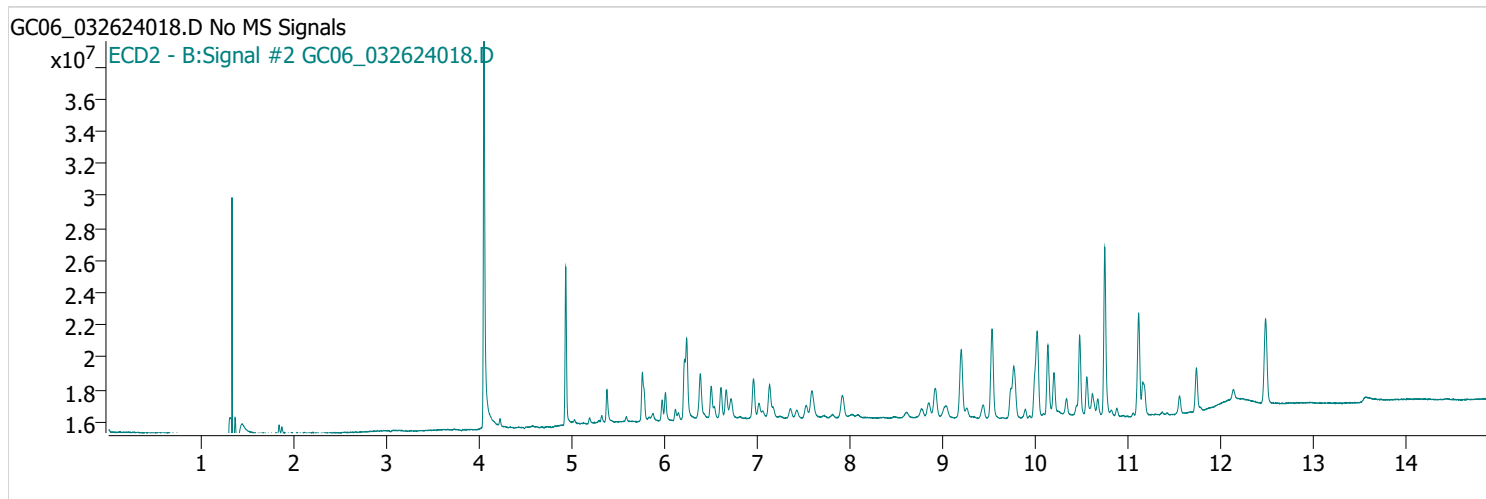
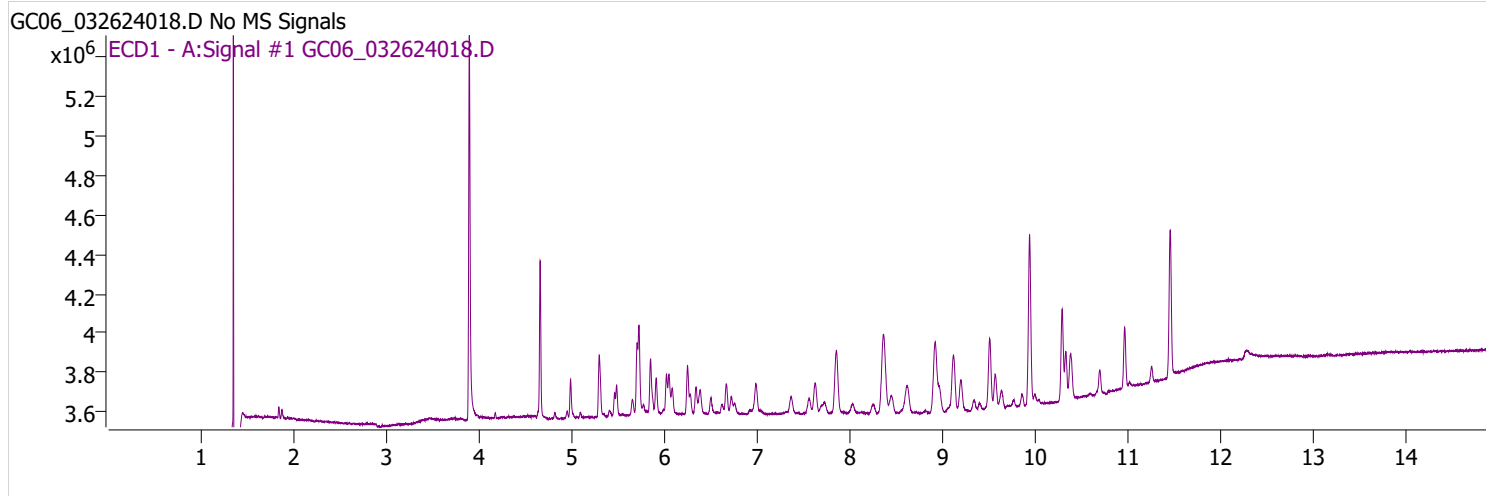


# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624018.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 3:18:08 PM  |
| Sample Name    | ICAL, S20229            | Instrument        | SVOA-GC06             |
| Vial           | 13                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 100 ppb PCB ICAL 4    |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |



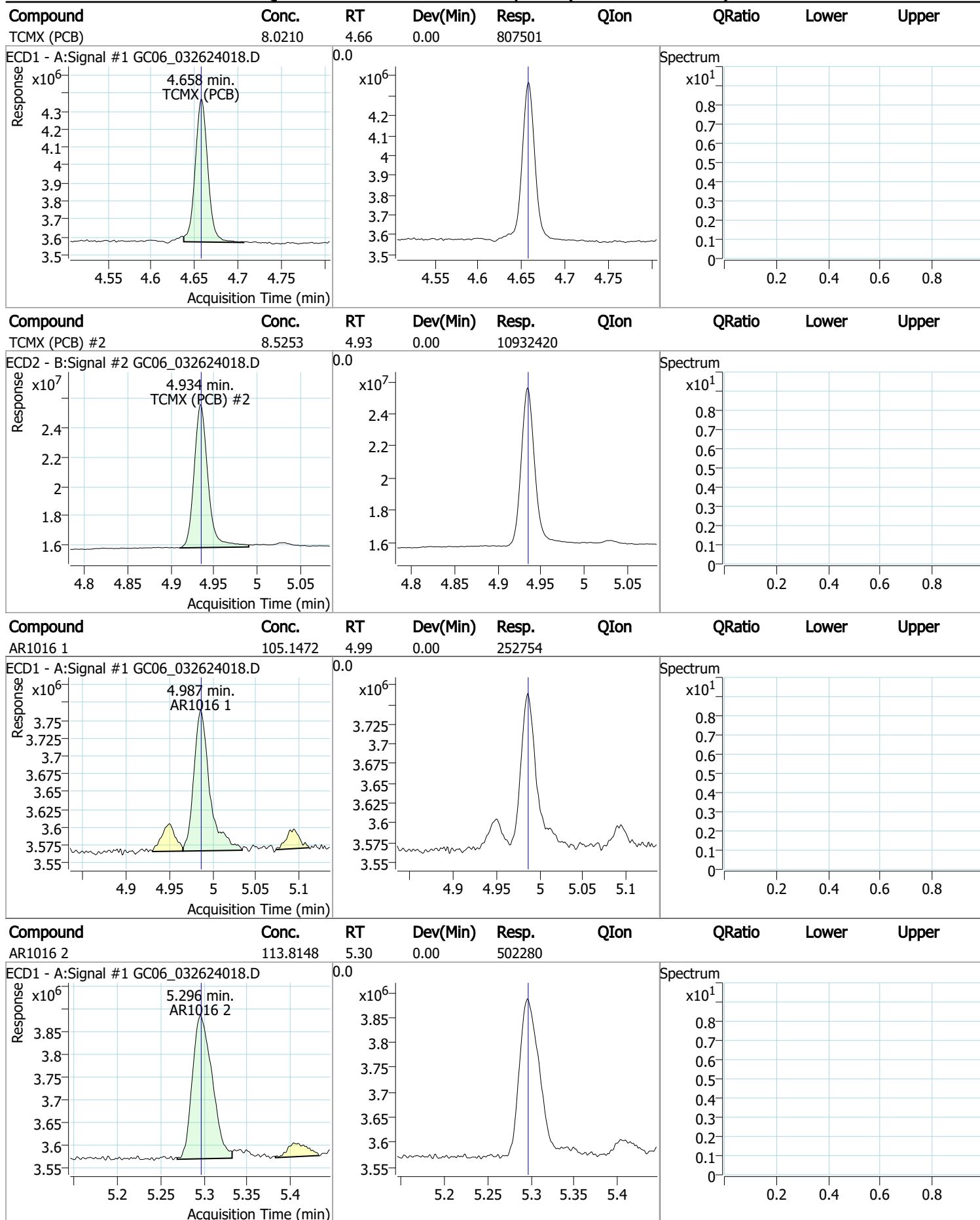
| Compound                          | RT                   | QIon | Resp.        | Conc.             | Units | Dev(Min) |
|-----------------------------------|----------------------|------|--------------|-------------------|-------|----------|
| Internal Standards                |                      |      |              |                   |       |          |
| M 1-bromo-2-nitrobenzene (PCB)    | 3.893                | 0.0  | 2236133.392  | 20.0000           | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.053                | 0.0  | 29572362.801 | 20.0000           | ng/ml | 0.000    |
| System Monitoring Compounds       |                      |      |              |                   |       |          |
| S TCMX (PCB)                      | 4.658                | 0.0  | 807500.641   | 8.0210            | ng/ml | 0.001    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 40.11% |       | *        |
| S TCMX (PCB) #2                   | 4.934                | 0.0  | 10932420.456 | 8.5253            | ng/ml | 0.000    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 42.63% |       | *        |
| S Decachlorobiphenyl (PCB)        | 11.458               | 0.0  | 1275552.594  | 9.5821            | ng/ml | 0.001    |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 47.91% |       | *        |
| S Decachlorobiphenyl (PCB) #2     | 12.488               | 0.0  | 11246894.371 | 9.3032            | ng/ml | -0.001   |
| Spiked Amount: 20.000             | Range: 50.0 - 150.0% |      |              | Recovery = 46.52% |       | *        |
| Target Compounds                  |                      |      |              |                   |       | QValue   |
| T AR1016 1                        | 4.987                | 0.0  | 252753.977   | 105.1472          | ng/ml | 100      |

# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.    | Units | Dev(Min) |
|---------------|--------|------|--------------|----------|-------|----------|
| T AR1016 2    | 5.296  | 0.0  | 502279.823   | 113.8148 | ng/ml | 100      |
| T AR1016 1 #2 | 5.379  | 0.0  | 2877686.840  | 105.3072 | ng/ml | 100      |
| T AR1016 3    | 5.723  | 0.0  | 616395.825   | 108.5874 | ng/ml | m 100    |
| T AR1016 2 #2 | 5.762  | 0.0  | 6067998.399  | 110.9951 | ng/ml | 100      |
| T AR1016 4    | 5.849  | 0.0  | 427838.582   | 106.7533 | ng/ml | 100      |
| T AR1016 3 #2 | 6.239  | 0.0  | 8463029.480  | 111.7666 | ng/ml | m 100    |
| T AR1016 5    | 6.248  | 0.0  | 349411.814   | 104.0624 | ng/ml | m 100    |
| T AR1016 4 #2 | 6.387  | 0.0  | 5087497.738  | 101.6428 | ng/ml | 100      |
| T AR1016 5 #2 | 6.961  | 0.0  | 4430949.084  | 105.7537 | ng/ml | 100      |
| T AR1260 1    | 7.856  | 0.0  | 795280.796   | 116.2884 | ng/ml | 100      |
| T AR1260 2    | 8.363  | 0.0  | 1208708.811  | 115.5303 | ng/ml | 100      |
| T AR1260 3    | 8.923  | 0.0  | 1237811.850  | 112.2554 | ng/ml | m 100    |
| T AR1260 1 #2 | 9.203  | 0.0  | 9417185.653  | 113.7736 | ng/ml | 100      |
| T AR1260 4    | 9.509  | 0.0  | 720289.096   | 113.5559 | ng/ml | m 100    |
| T AR1260 2 #2 | 9.536  | 0.0  | 11436051.786 | 113.5801 | ng/ml | 100      |
| T AR1260 3 #2 | 10.023 | 0.0  | 13819865.277 | 111.3084 | ng/ml | 100      |
| T AR1260 5    | 10.293 | 0.0  | 826208.400   | 112.7098 | ng/ml | m 100    |
| T AR1260 4 #2 | 10.481 | 0.0  | 8075154.120  | 104.5918 | ng/ml | 100      |
| T AR1260 5 #2 | 11.118 | 0.0  | 11614870.645 | 111.7250 | ng/ml | 100      |

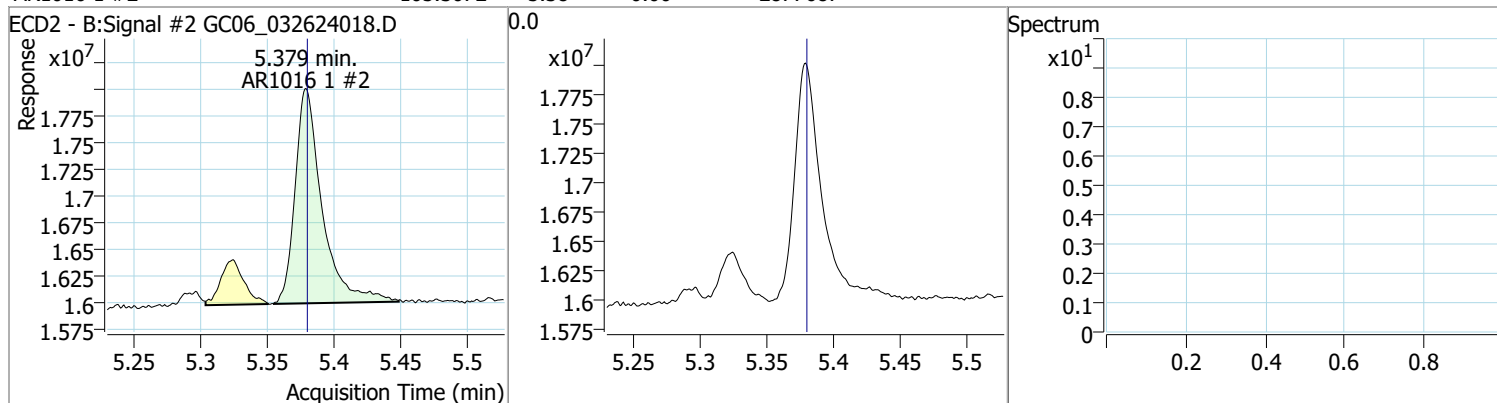
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

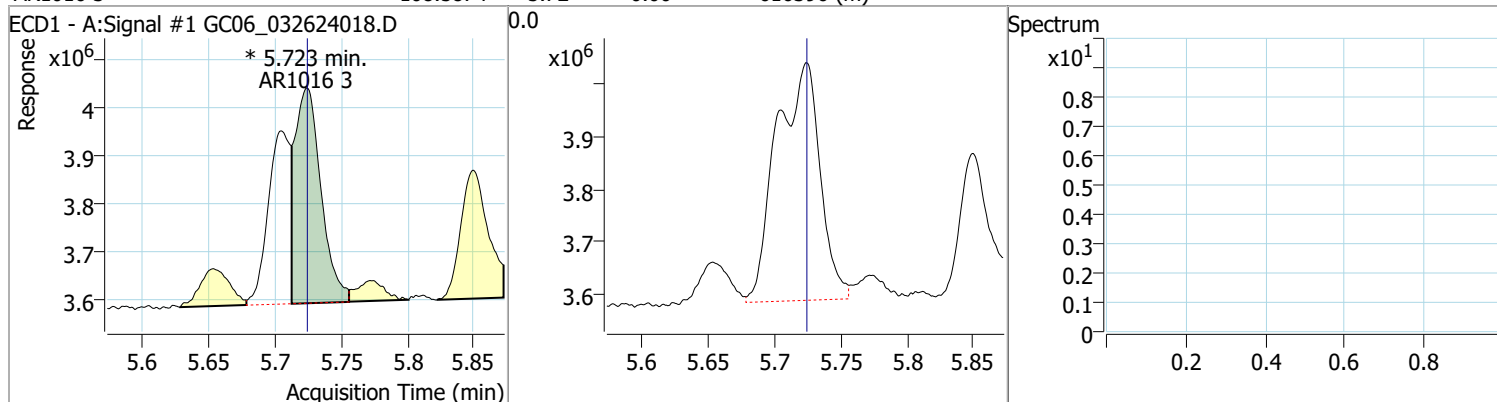


# Quantitation Results Report (Not Reviewed)

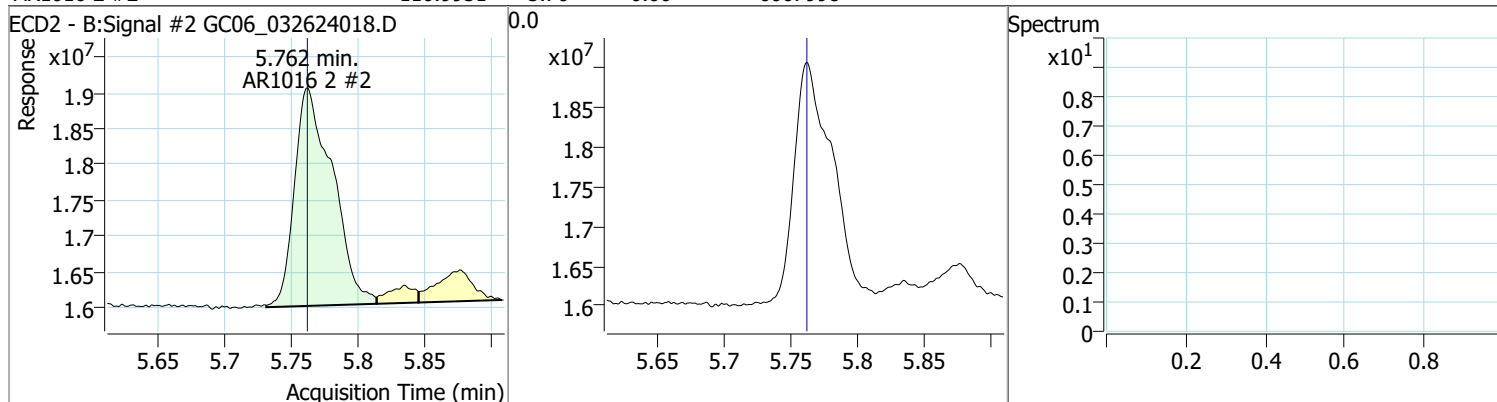
| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 105.3072 | 5.38 | 0.00     | 2877687 |      |        |       |       |



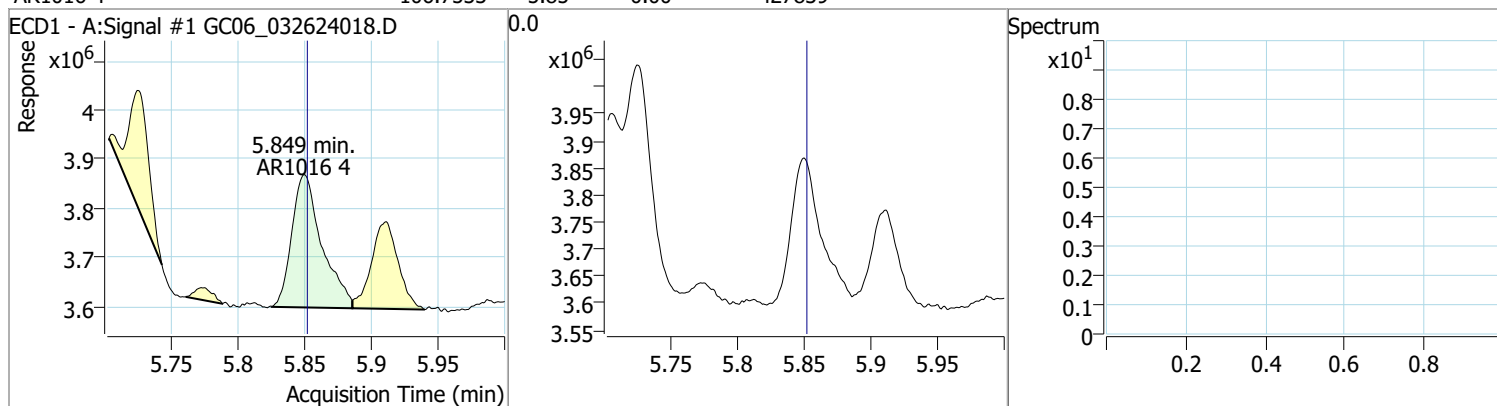
| Compound | Conc.    | RT   | Dev(Min) | Resp.      | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|------------|------|--------|-------|-------|
| AR1016 3 | 108.5874 | 5.72 | 0.00     | 616396 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 110.9951 | 5.76 | 0.00     | 6067998 |      |        |       |       |

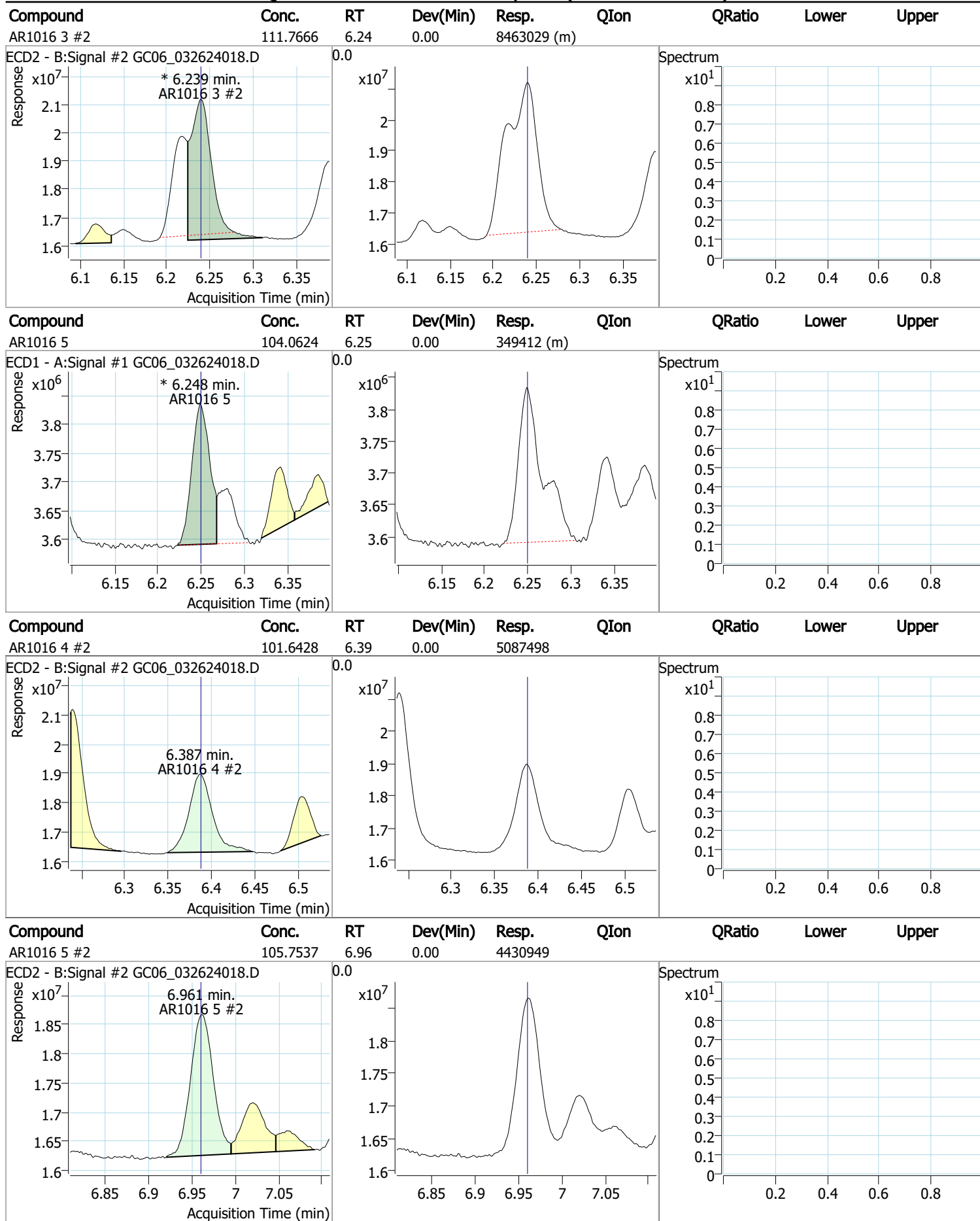


| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 4 | 106.7533 | 5.85 | 0.00     | 427839 |      |        |       |       |

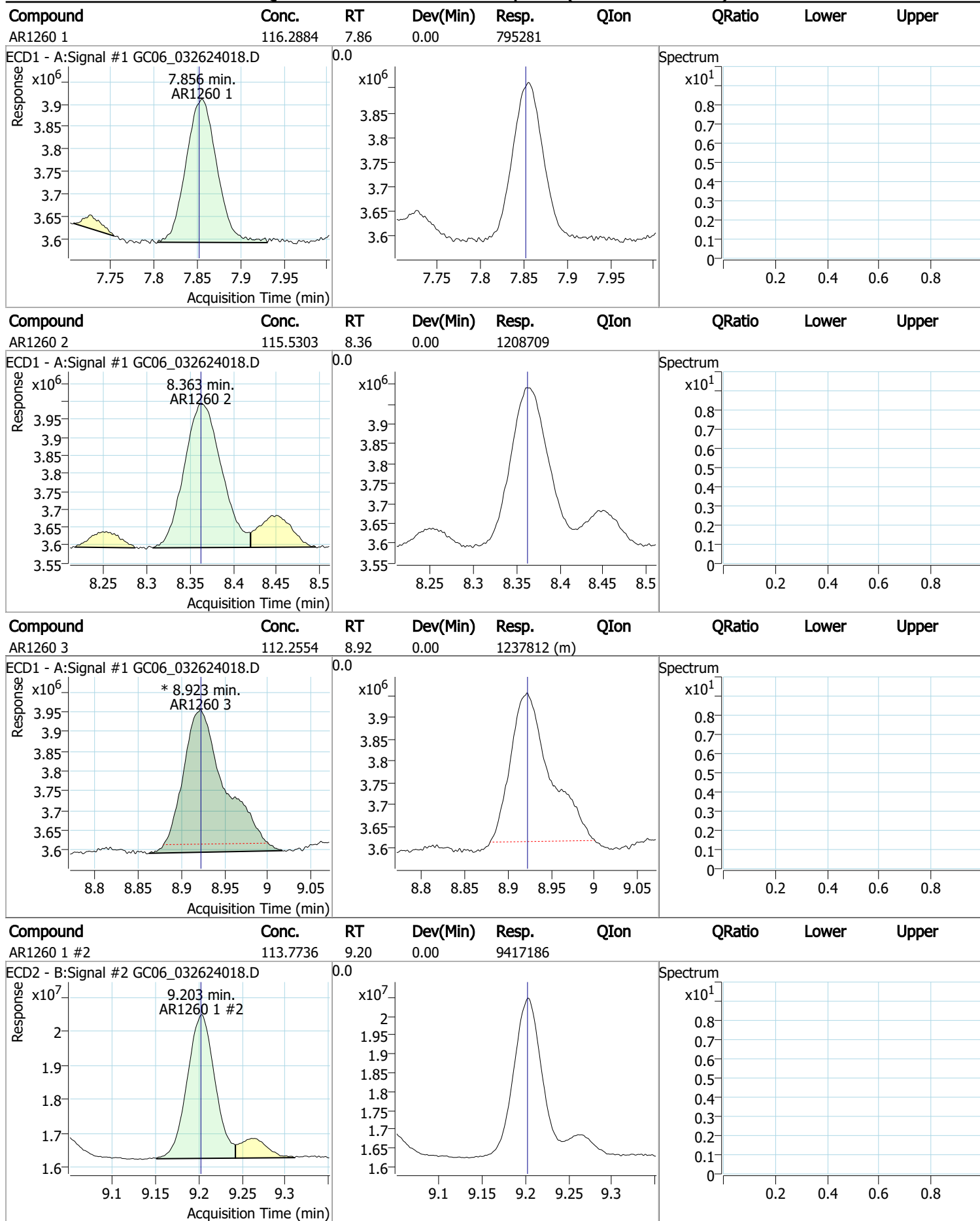




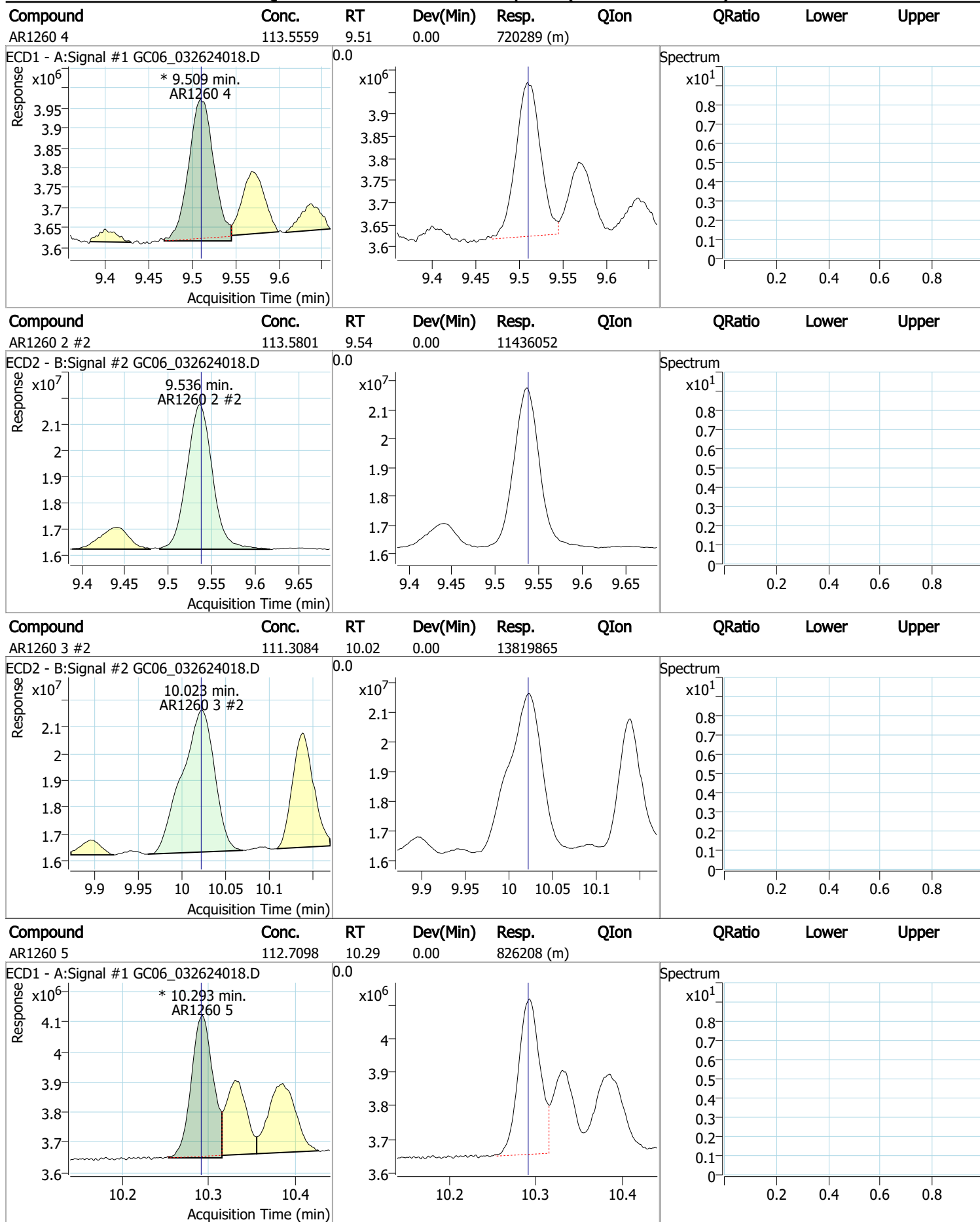
# Quantitation Results Report (Not Reviewed)



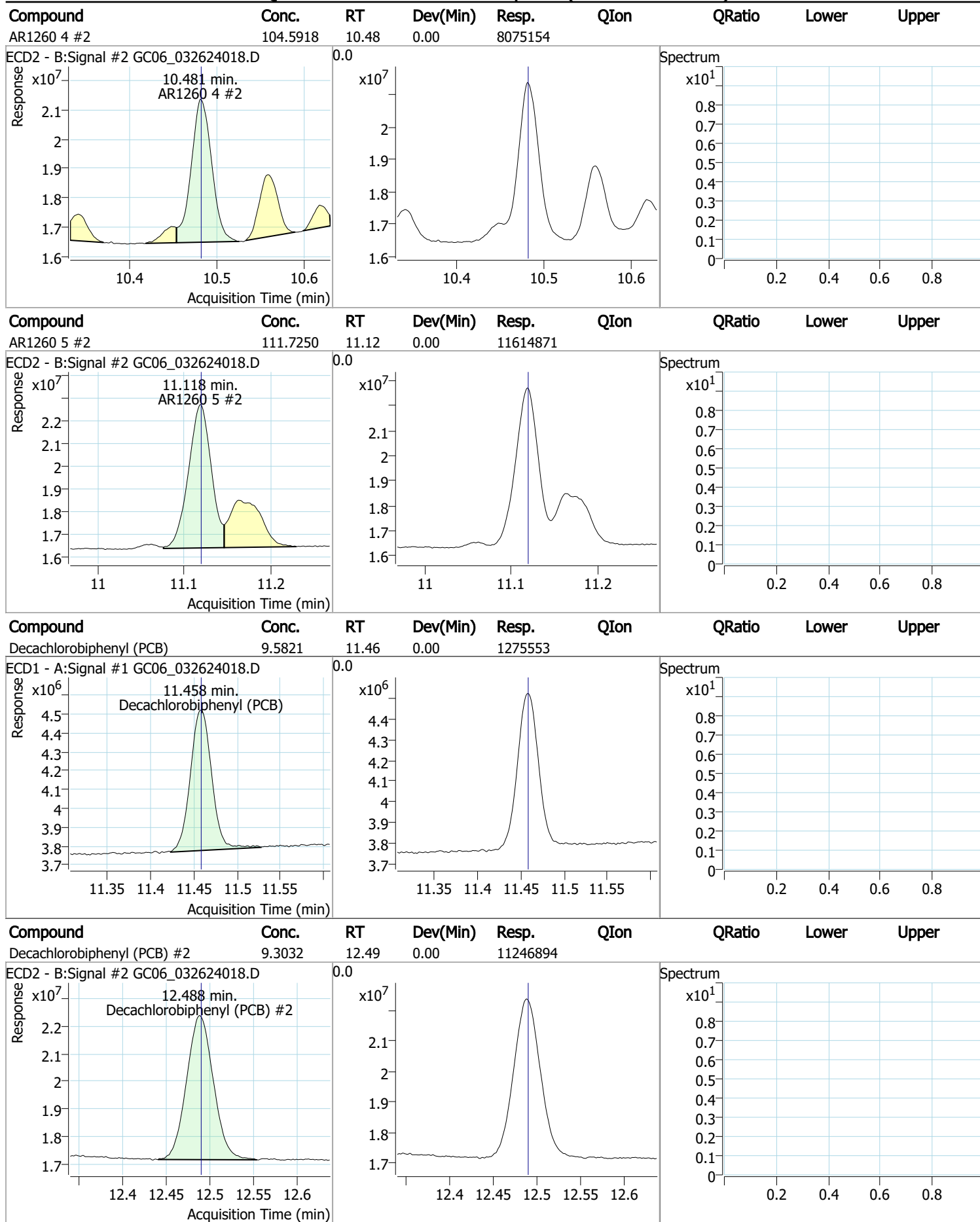
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



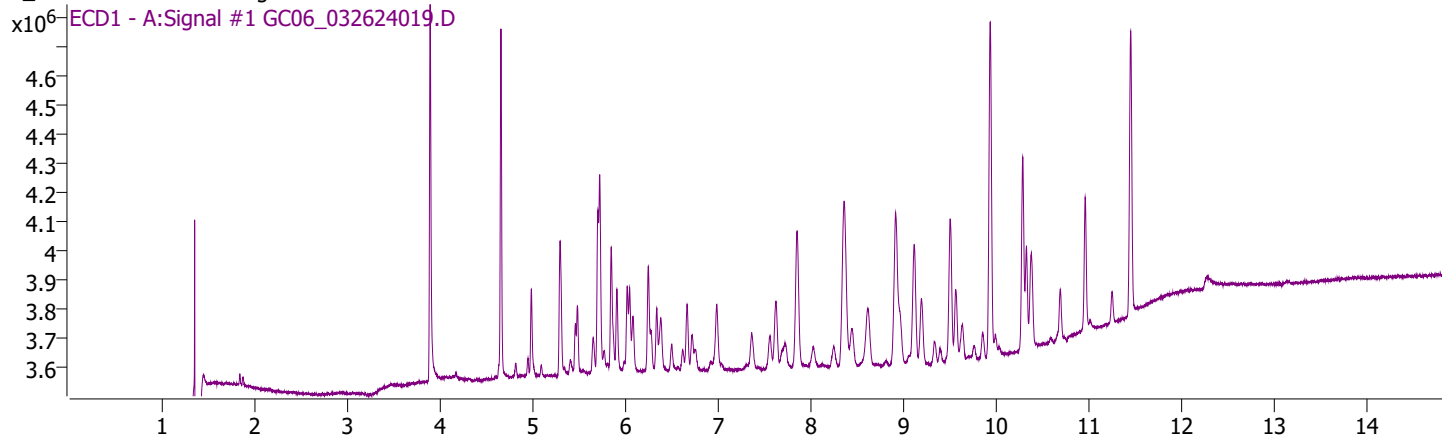
# Quantitation Results Report (Not Reviewed)



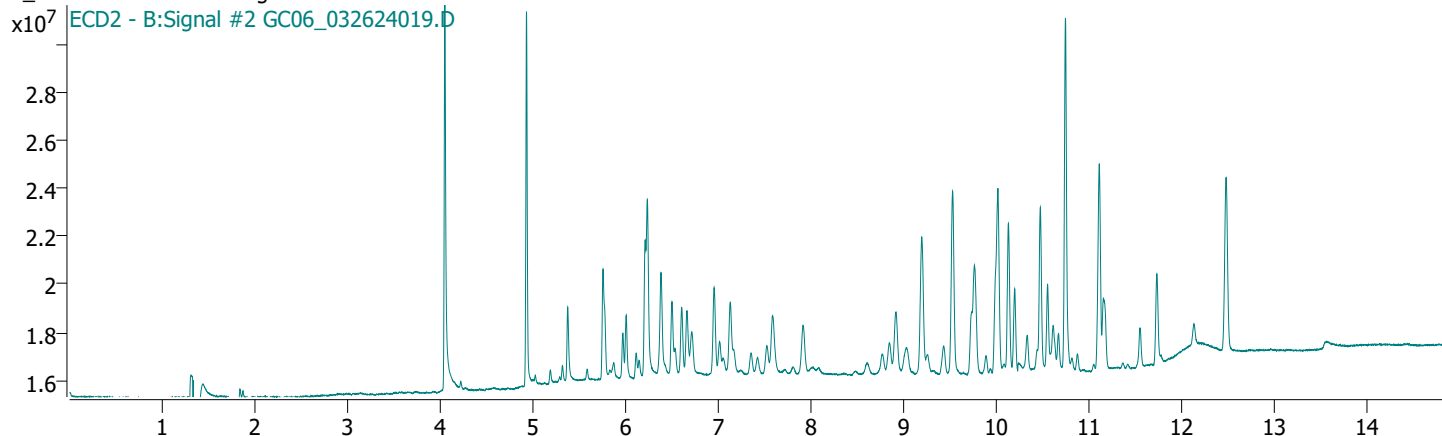
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624019.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 3:37:41 PM  |
| Sample Name    | ICAL, S20230            | Instrument        | SVOA-GC06             |
| Vial           | 14                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 250 ppb PCB ICAL 5    |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |

GC06\_032624019.D No MS Signals



GC06\_032624019.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.             | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|-------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                   |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.894                | 0.0  | 1515931.65<br>2  | 20.0000           | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.053                | 0.0  | 20096905.0<br>77 | 20.0000           | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                   |       |          |
| S TCMX (PCB)                       | 4.658                | 0.0  | 1293898.83<br>0  | 18.9586           | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 94.79% |       |          |
| S TCMX (PCB) #2                    | 4.934                | 0.0  | 16685939.5<br>26 | 19.1471           | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 95.74% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.458               | 0.0  | 1709961.30<br>4  | 18.9482           | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 94.74% |       |          |
| S Decachlorobiphenyl (PCB) #2      | 12.488               | 0.0  | 15617134.6<br>90 | 19.0090           | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 95.04% |       |          |

## Target Compounds

QValue

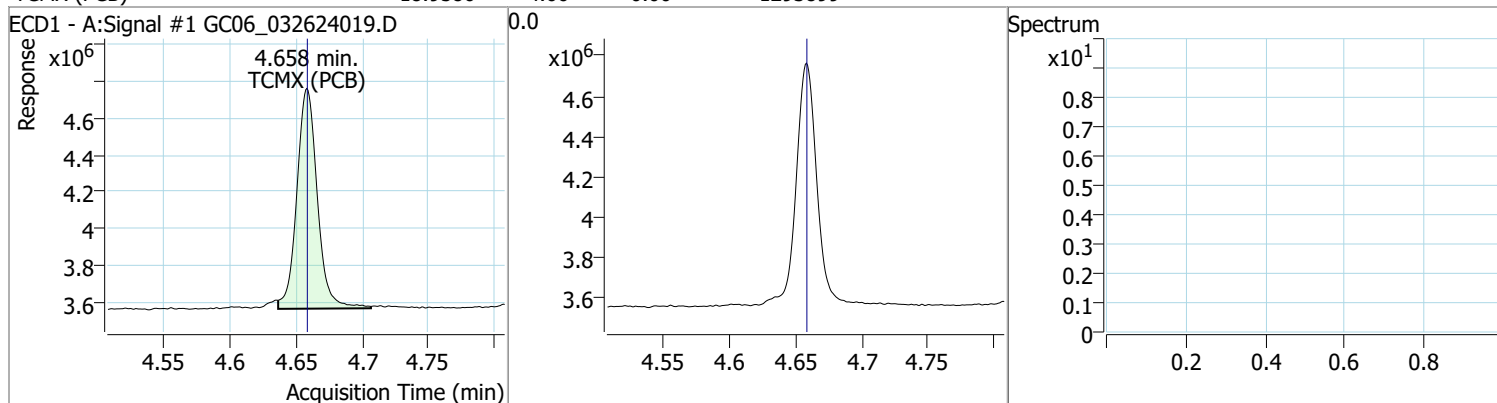
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.        | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|--------------|----------|---------|----------|
| T AR1016 1    | 4.987  | 0.0  | 392694.073   | 240.9751 | ng/ml   | 100      |
| T AR1016 2    | 5.298  | 0.0  | 766521.076   | 256.2095 | ng/ml m | 100      |
| T AR1016 1 #2 | 5.379  | 0.0  | 4466069.658  | 240.4899 | ng/ml   | 100      |
| T AR1016 3    | 5.724  | 0.0  | 910802.282   | 236.6802 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.761  | 0.0  | 8869551.424  | 238.7355 | ng/ml   | 100      |
| T AR1016 4    | 5.849  | 0.0  | 648811.660   | 238.8021 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.238  | 0.0  | 13010804.745 | 252.8408 | ng/ml m | 100      |
| T AR1016 5    | 6.249  | 0.0  | 551730.678   | 242.3826 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.386  | 0.0  | 8198353.518  | 241.0215 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.960  | 0.0  | 6484700.497  | 227.7434 | ng/ml   | 100      |
| T AR1260 1    | 7.856  | 0.0  | 1125128.110  | 242.6811 | ng/ml   | 100      |
| T AR1260 2    | 8.363  | 0.0  | 1725015.729  | 243.2122 | ng/ml   | 100      |
| T AR1260 3    | 8.920  | 0.0  | 1740703.650  | 232.8604 | ng/ml m | 100      |
| T AR1260 1 #2 | 9.202  | 0.0  | 13254986.518 | 235.6440 | ng/ml   | 100      |
| T AR1260 4    | 9.509  | 0.0  | 1026315.403  | 238.6722 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.535  | 0.0  | 15917788.847 | 232.6300 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.024 | 0.0  | 19683999.298 | 233.2890 | ng/ml   | 100      |
| T AR1260 5    | 10.293 | 0.0  | 1170573.363  | 235.5530 | ng/ml m | 100      |
| T AR1260 4 #2 | 10.483 | 0.0  | 12039704.869 | 229.4665 | ng/ml   | 100      |
| T AR1260 5 #2 | 11.119 | 0.0  | 16379875.072 | 231.8480 | ng/ml   | 100      |

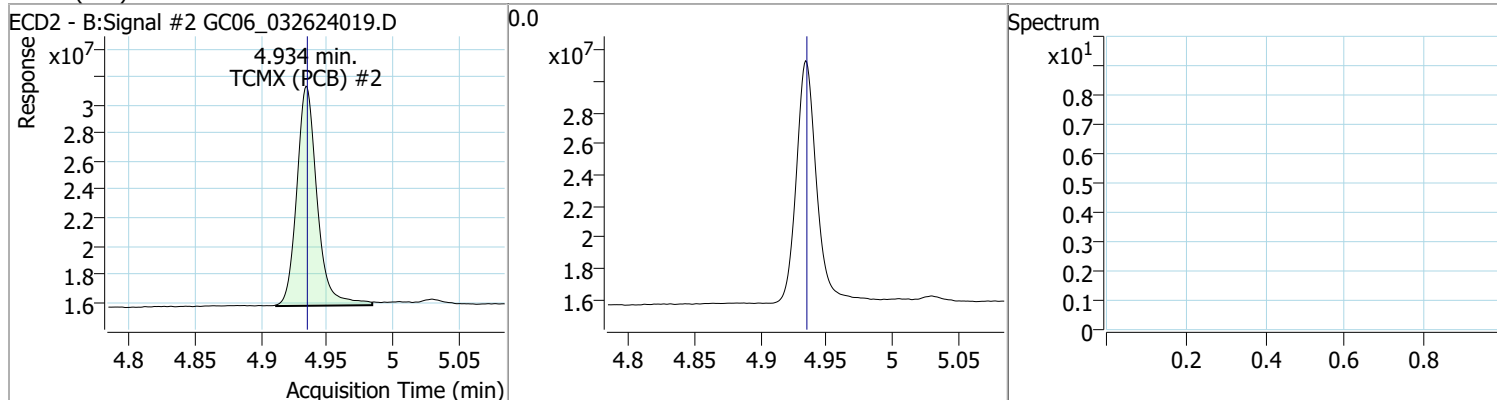
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

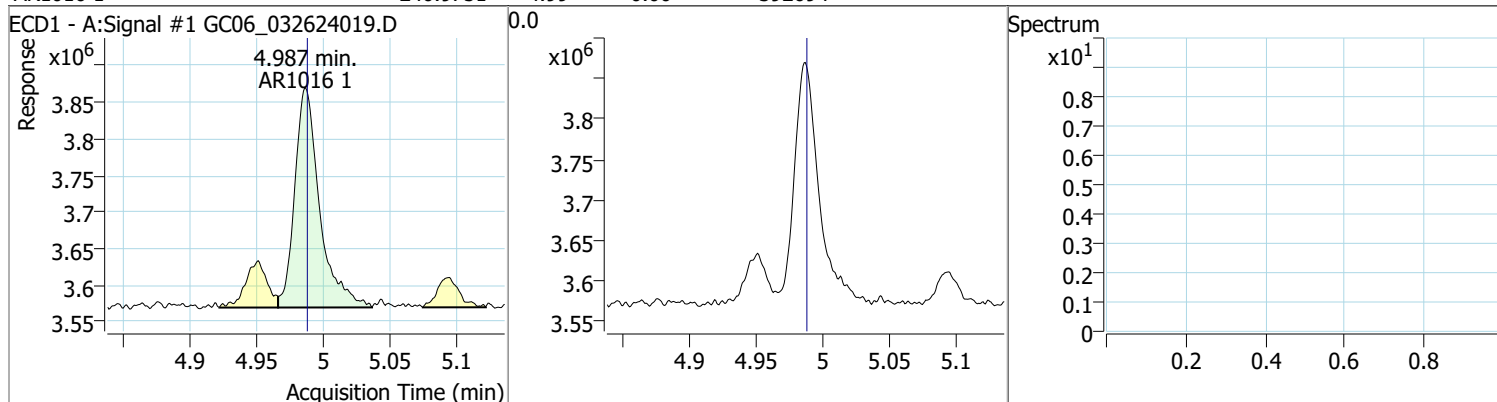
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 18.9586 | 4.66 | 0.00     | 1293899 |      |        |       |       |



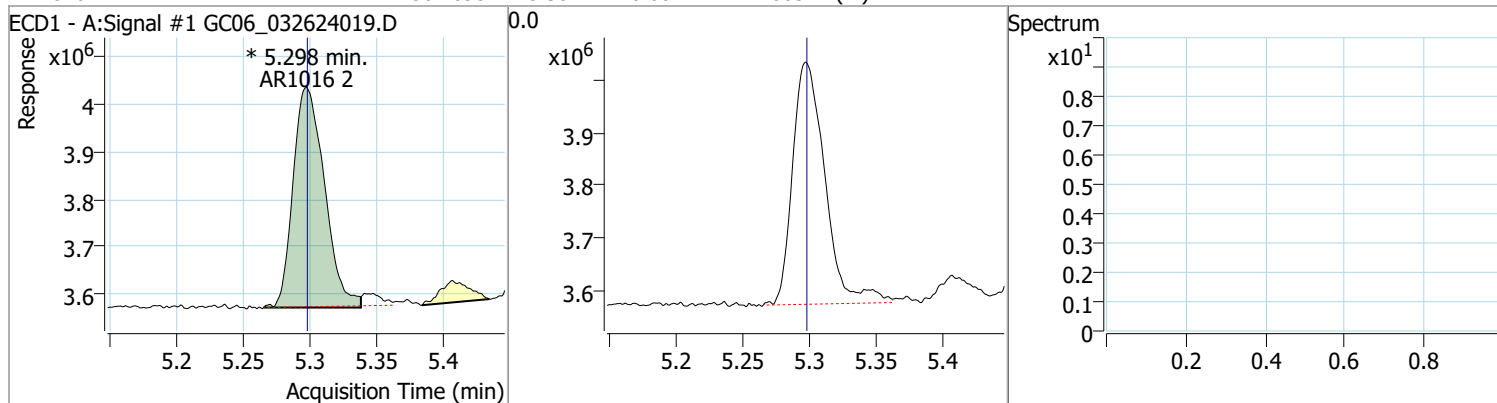
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 19.1471 | 4.93 | 0.00     | 16685940 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 240.9751 | 4.99 | 0.00     | 392694 |      |        |       |       |

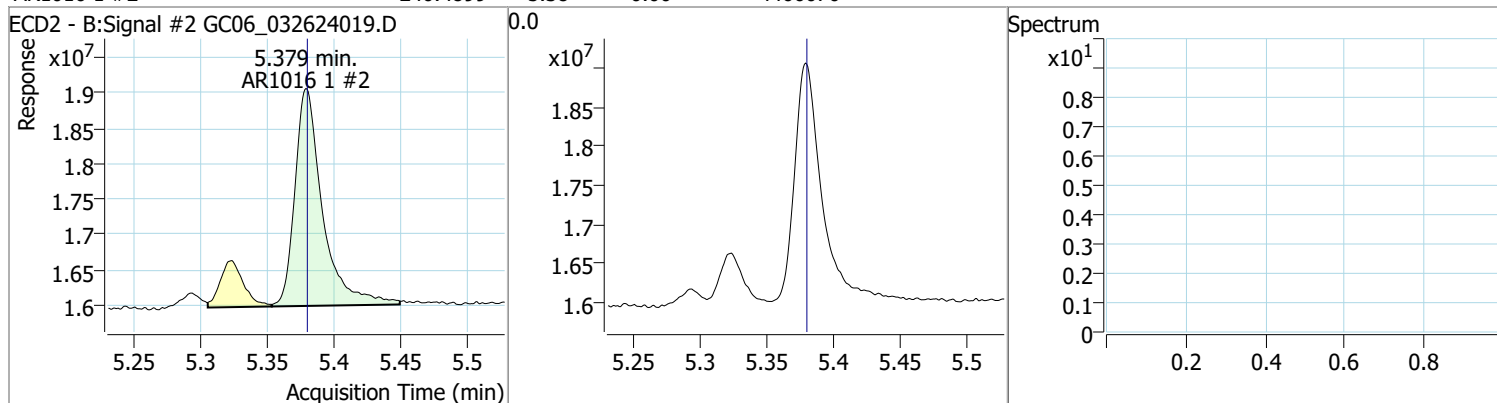


| Compound | Conc.    | RT   | Dev(Min) | Resp.      | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|------------|------|--------|-------|-------|
| AR1016 2 | 256.2095 | 5.30 | 0.00     | 766521 (m) |      |        |       |       |

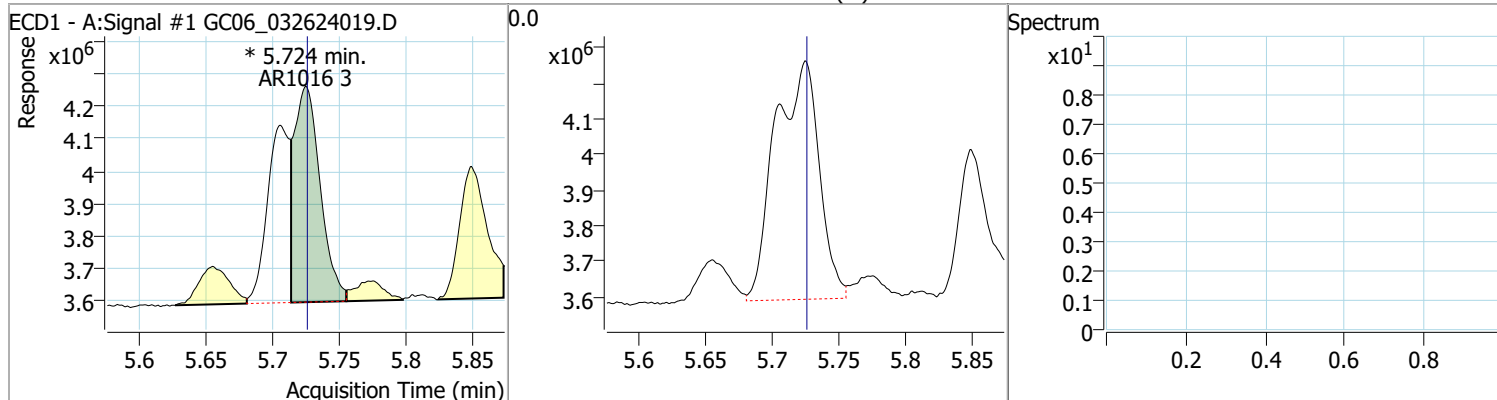


# Quantitation Results Report (Not Reviewed)

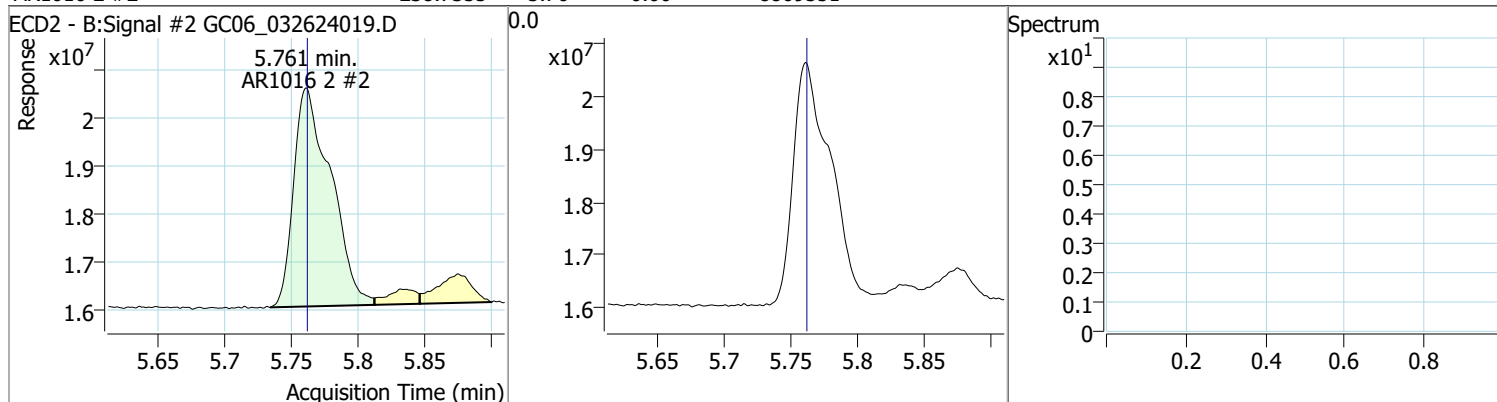
| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 240.4899 | 5.38 | 0.00     | 4466070 |      |        |       |       |



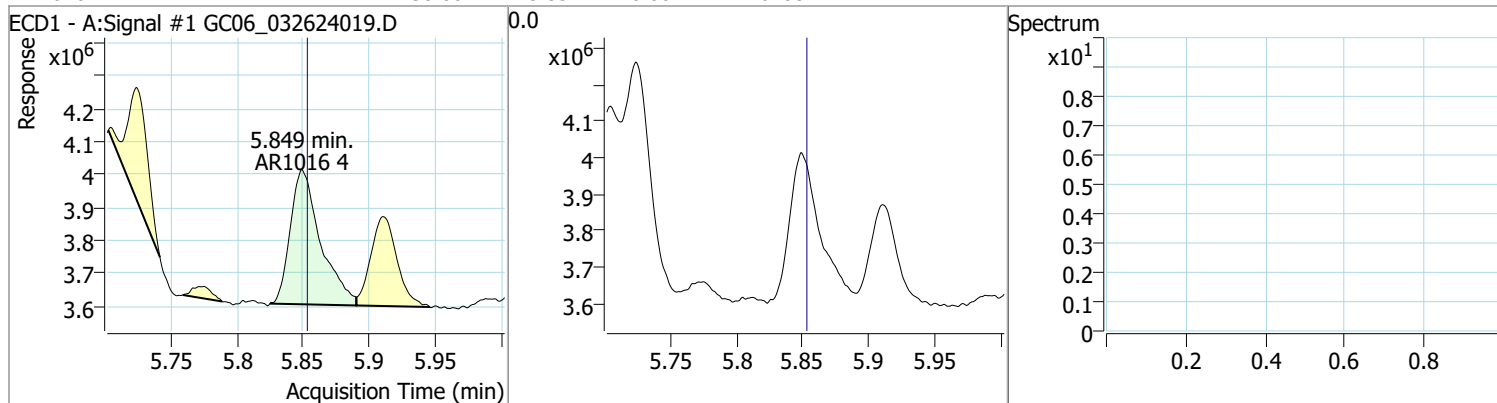
| Compound | Conc.    | RT   | Dev(Min) | Resp.      | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|------------|------|--------|-------|-------|
| AR1016 3 | 236.6802 | 5.72 | 0.00     | 910802 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 #2 | 238.7355 | 5.76 | 0.00     | 8869551 |      |        |       |       |

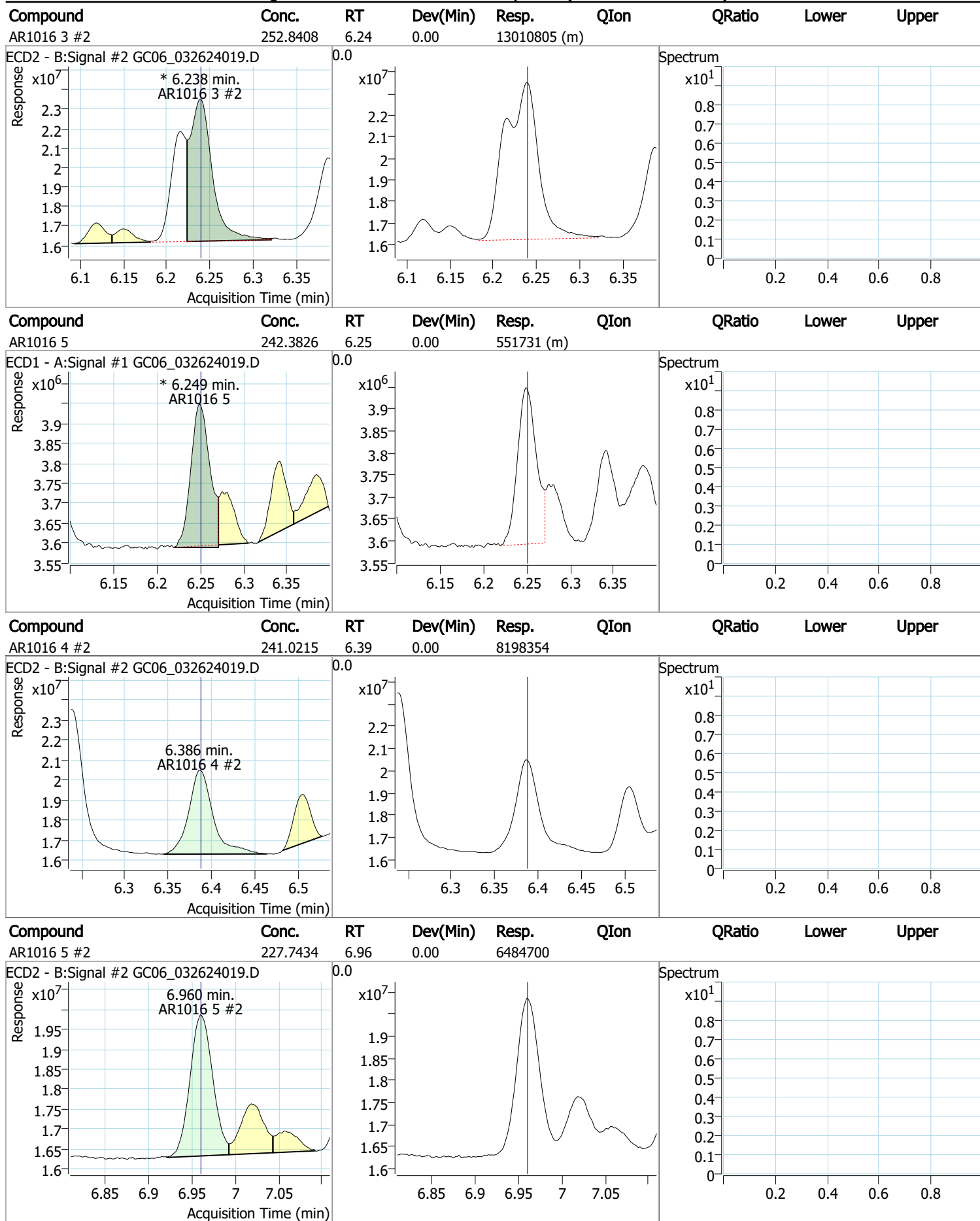


| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 4 | 238.8021 | 5.85 | 0.00     | 648812 |      |        |       |       |



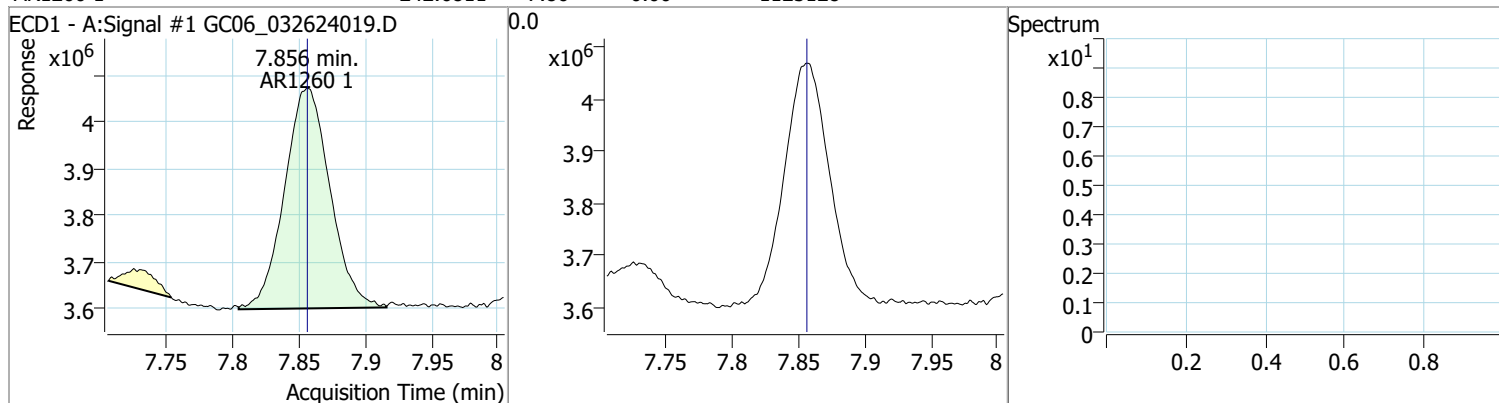


# Quantitation Results Report (Not Reviewed)

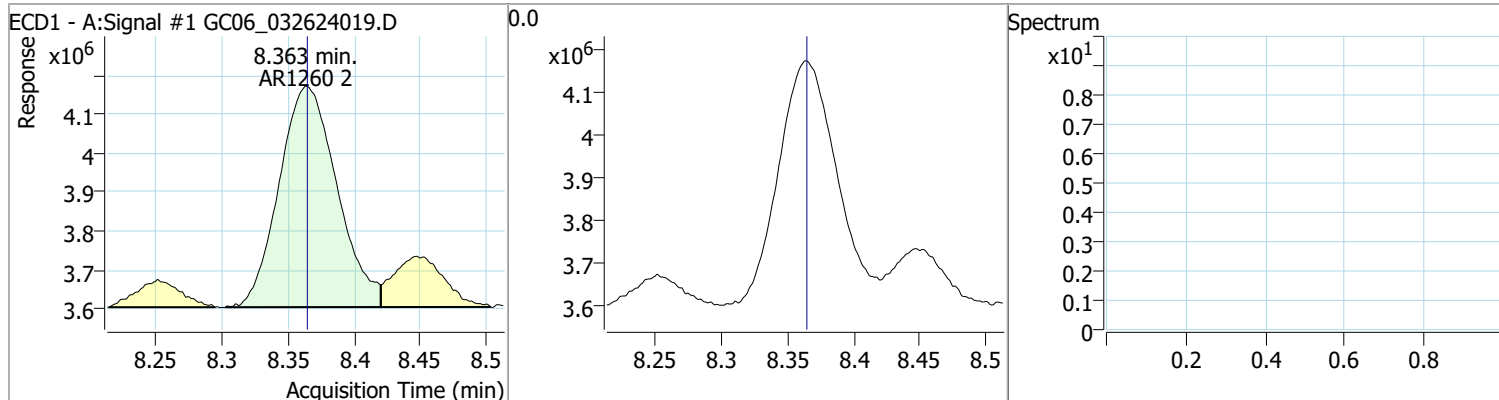


# Quantitation Results Report (Not Reviewed)

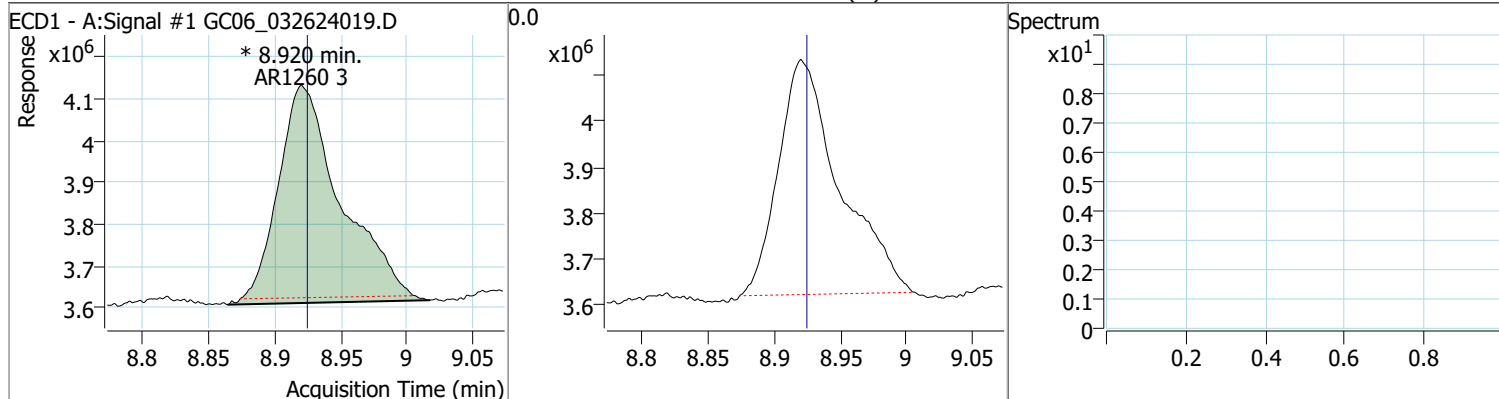
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 242.6811 | 7.86 | 0.00     | 1125128 |      |        |       |       |



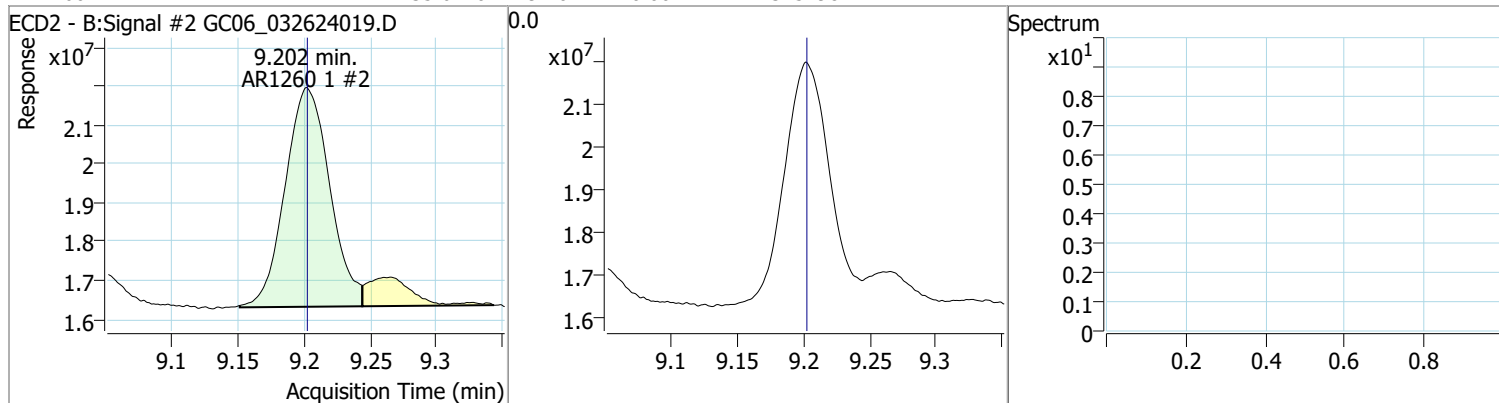
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 2 | 243.2122 | 8.36 | 0.00     | 1725016 |      |        |       |       |



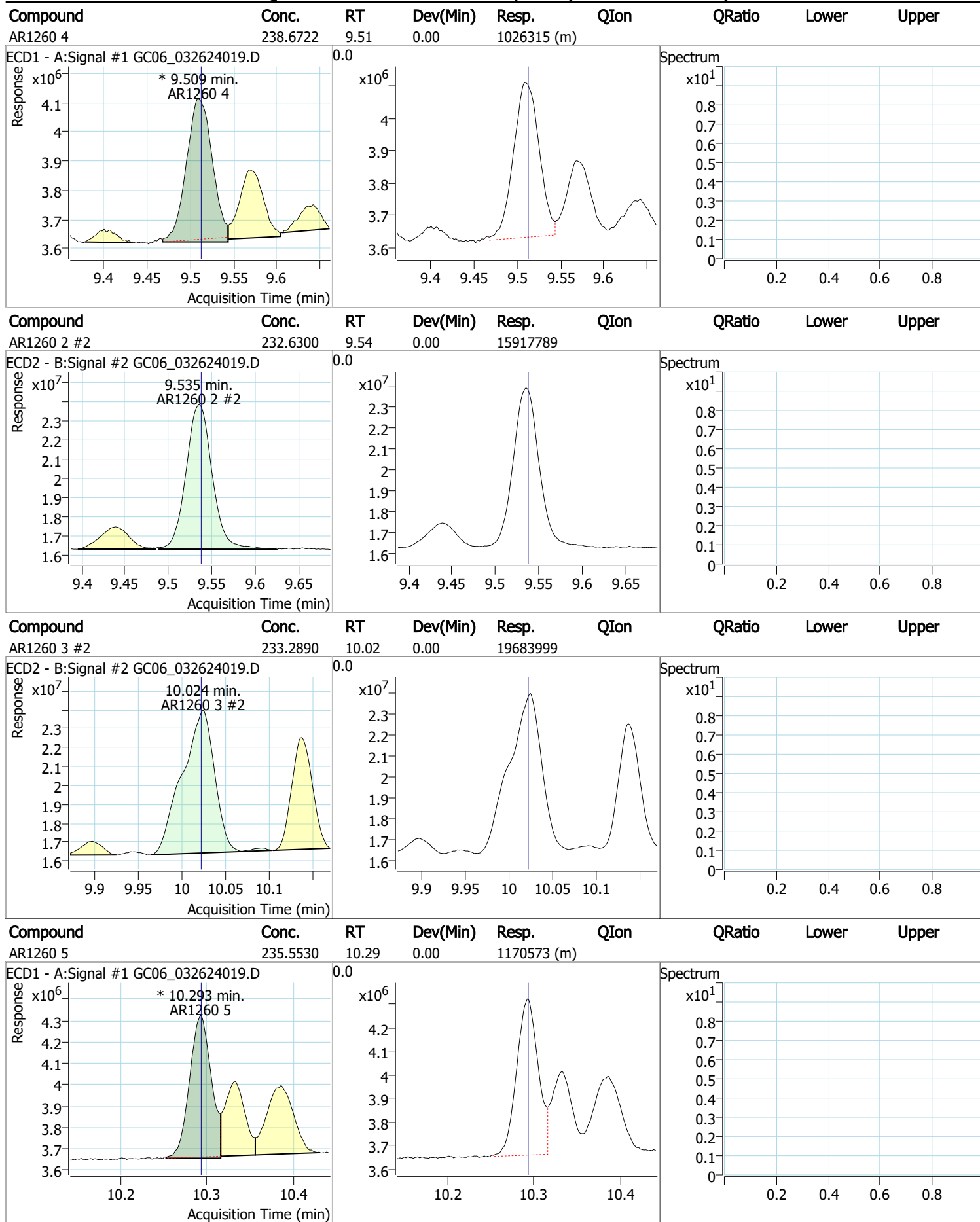
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1260 3 | 232.8604 | 8.92 | 0.00     | 1740704 (m) |      |        |       |       |



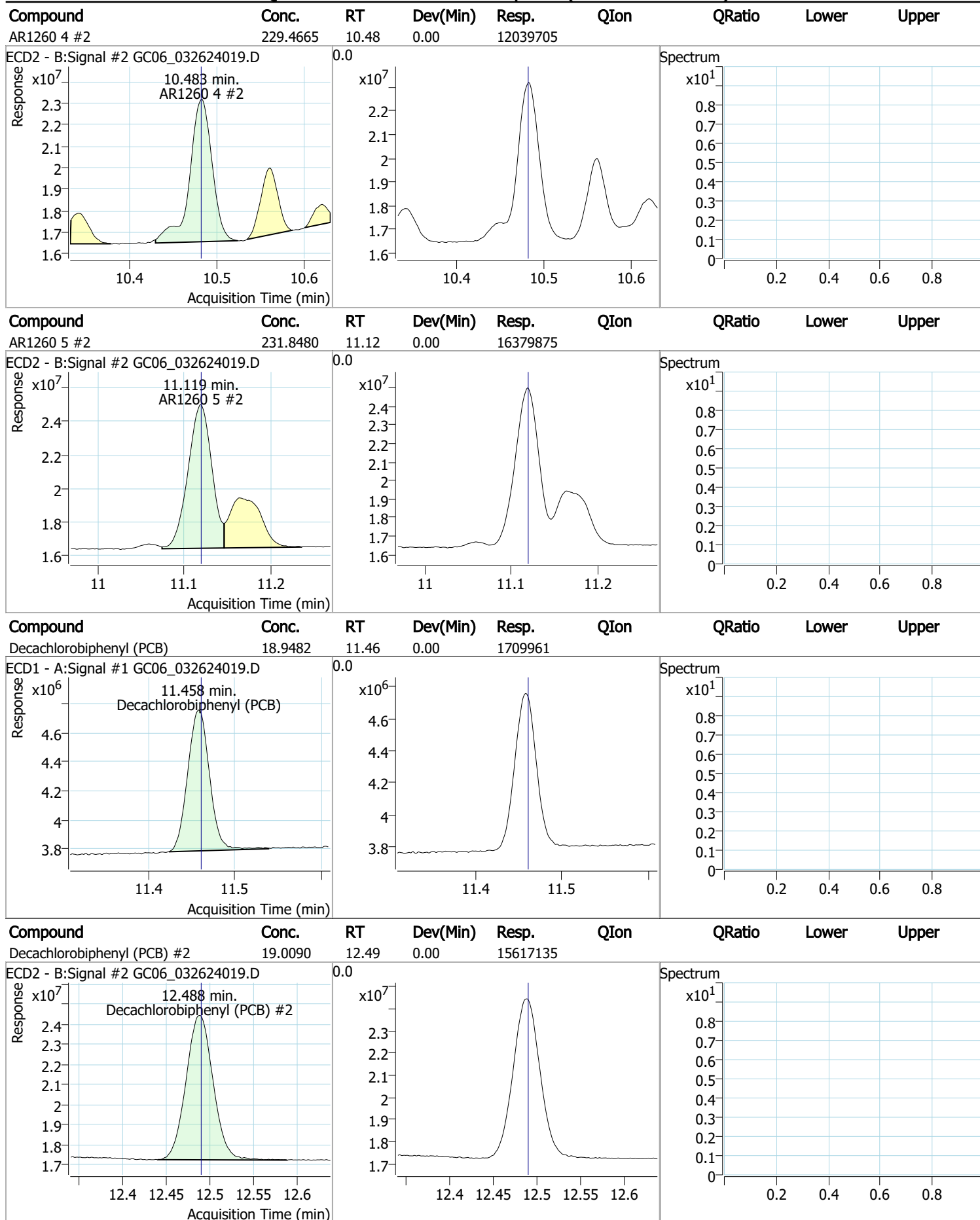
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 1 #2 | 235.6440 | 9.20 | 0.00     | 13254987 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

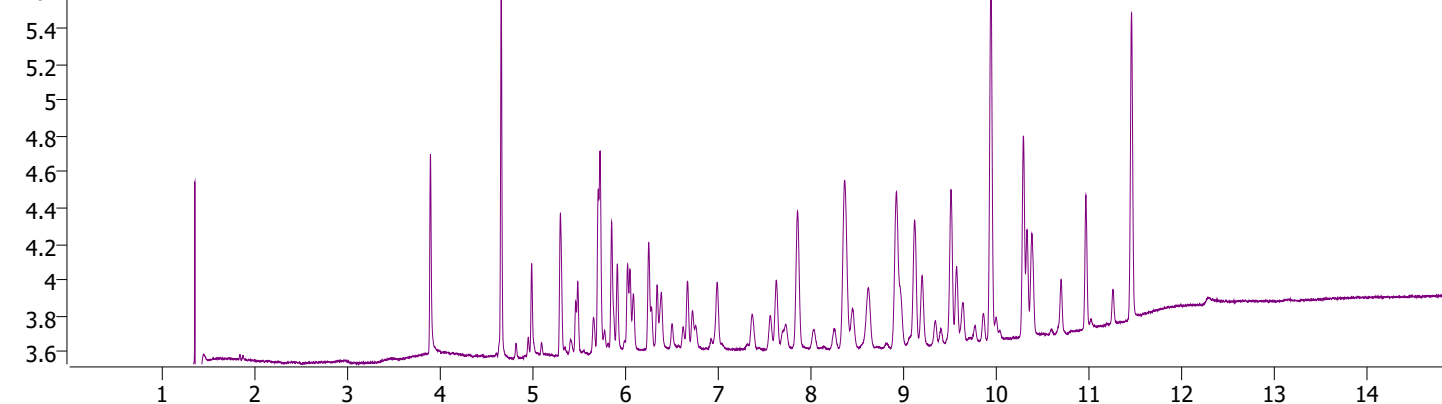


# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624020.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 3:57:04 PM  |
| Sample Name    | ICAL, S20231            | Instrument        | SVOA-GC06             |
| Vial           | 15                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 500 ppb PCB ICAL 6    |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |

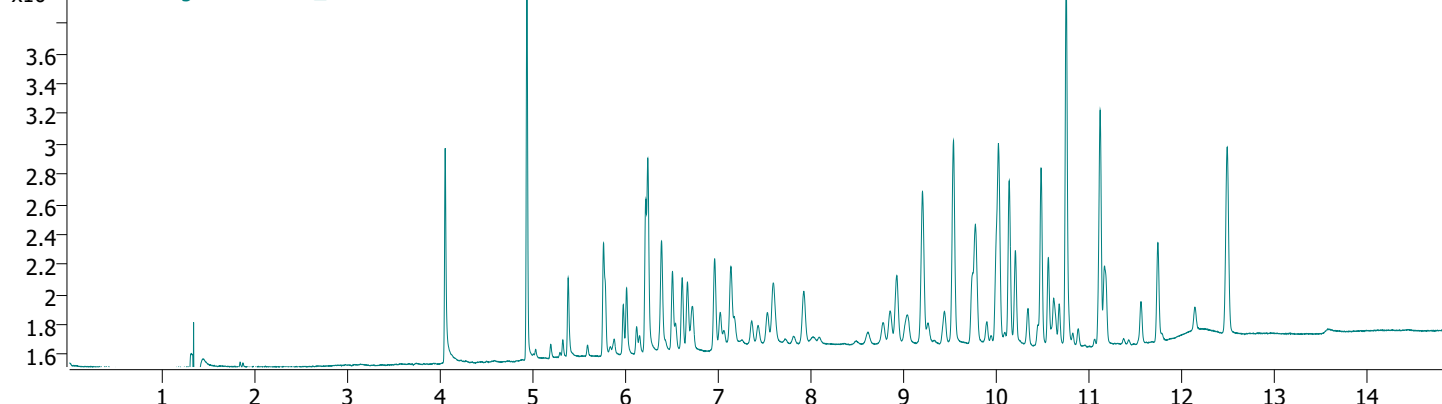
GC06\_032624020.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_032624020.D



GC06\_032624020.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_032624020.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.893                | 0.0  | 1341272.68<br>6  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.053                | 0.0  | 17850754.1<br>44 | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.657                | 0.0  | 2201698.11<br>9  | 36.4607            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 182.30% | *     |          |
| S TCMX (PCB) #2                    | 4.934                | 0.0  | 28277230.5<br>36 | 36.5310            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 182.65% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.458               | 0.0  | 2918312.78<br>2  | 36.5490            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 182.74% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.489               | 0.0  | 27362762.4<br>79 | 37.4965            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 187.48% | *     |          |

## Target Compounds

QValue

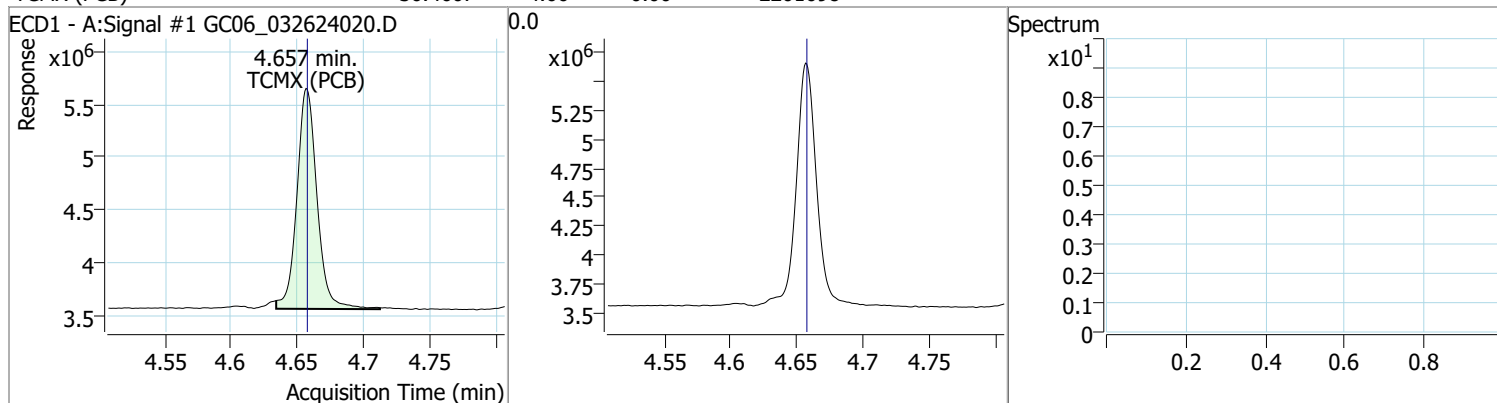
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 4.986  | 0.0  | 679853.485       | 471.5152 | ng/ml   | 100      |
| T AR1016 2    | 5.296  | 0.0  | 1268126.83<br>6  | 479.0670 | ng/ml m | 100      |
| T AR1016 1 #2 | 5.379  | 0.0  | 7378344.91<br>7  | 447.3041 | ng/ml   | 100      |
| T AR1016 3    | 5.723  | 0.0  | 1576646.52<br>0  | 463.0573 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.761  | 0.0  | 14907120.8<br>20 | 451.7329 | ng/ml   | 100      |
| T AR1016 4    | 5.848  | 0.0  | 1091129.06<br>1  | 453.8978 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.238  | 0.0  | 21293616.6<br>56 | 465.8703 | ng/ml   | 100      |
| T AR1016 5    | 6.248  | 0.0  | 939318.595       | 466.3906 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.387  | 0.0  | 14930130.5<br>89 | 494.1575 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.959  | 0.0  | 11222481.3<br>61 | 443.7285 | ng/ml m | 100      |
| T AR1260 1    | 7.853  | 0.0  | 1855623.92<br>3  | 452.3624 | ng/ml   | 100      |
| T AR1260 2    | 8.362  | 0.0  | 2845780.88<br>0  | 453.4781 | ng/ml   | 100      |
| T AR1260 3    | 8.922  | 0.0  | 3034208.04<br>0  | 458.7528 | ng/ml m | 100      |
| T AR1260 1 #2 | 9.202  | 0.0  | 22446950.4<br>34 | 449.2696 | ng/ml   | 100      |
| T AR1260 4    | 9.509  | 0.0  | 1760116.36<br>9  | 462.6206 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.537  | 0.0  | 27914341.6<br>22 | 459.2858 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.021 | 0.0  | 34190532.5<br>96 | 456.2043 | ng/ml   | 100      |
| T AR1260 5    | 10.290 | 0.0  | 1973106.48<br>9  | 448.7486 | ng/ml m | 100      |
| T AR1260 4 #2 | 10.481 | 0.0  | 20969710.7<br>50 | 449.9544 | ng/ml   | 100      |
| T AR1260 5 #2 | 11.118 | 0.0  | 28461837.0<br>01 | 453.5532 | ng/ml   | 100      |

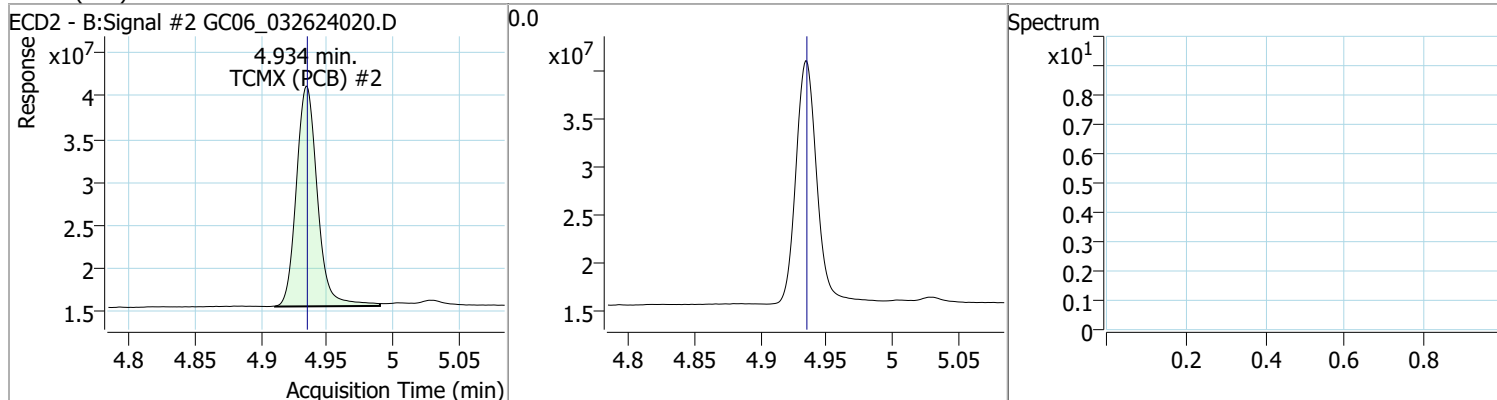
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

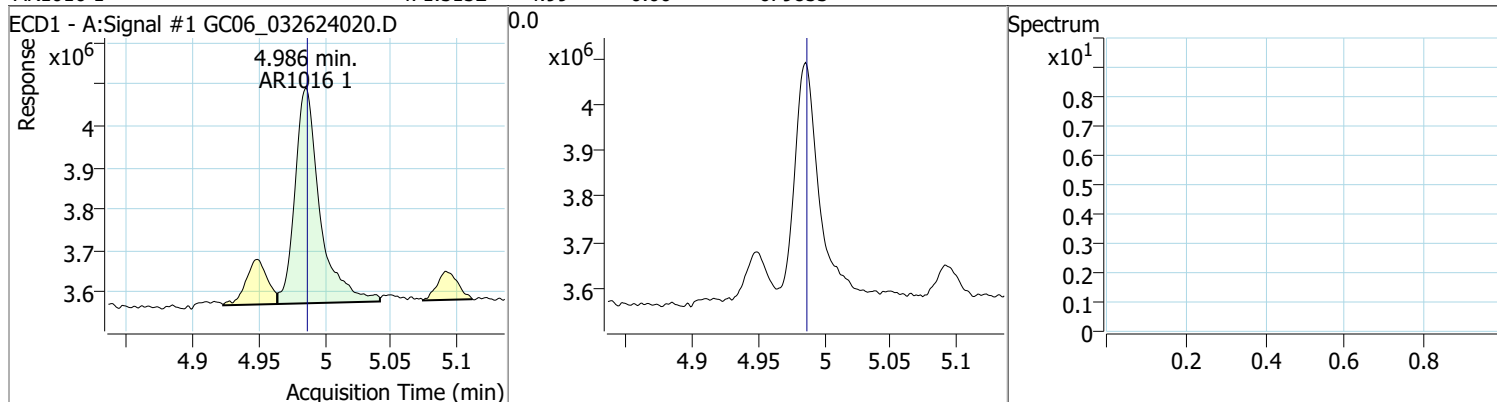
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 36.4607 | 4.66 | 0.00     | 2201698 |      |        |       |       |



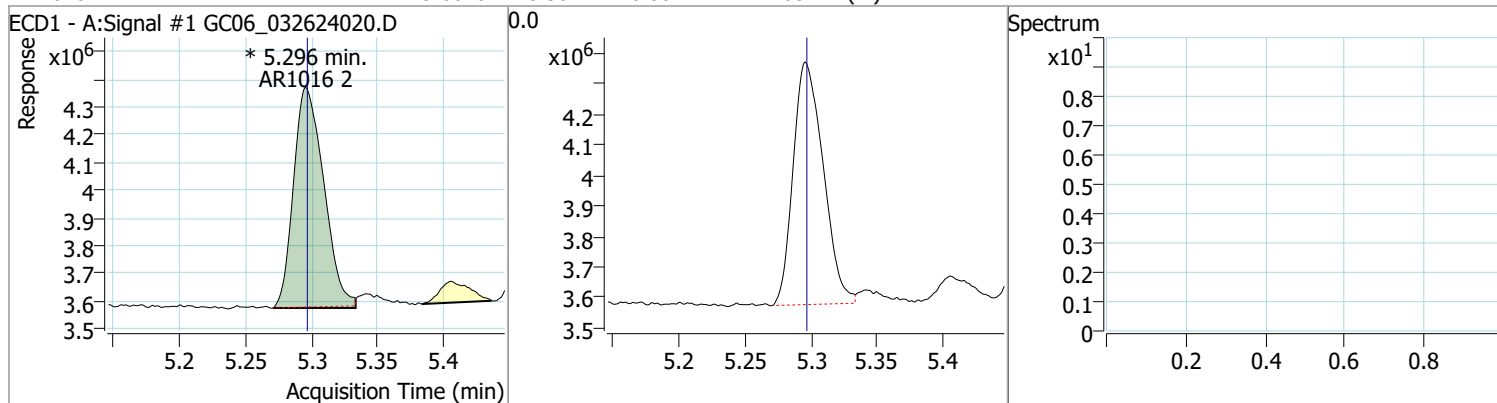
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 36.5310 | 4.93 | 0.00     | 28277231 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| AR1016 1 | 471.5152 | 4.99 | 0.00     | 679853 |      |        |       |       |

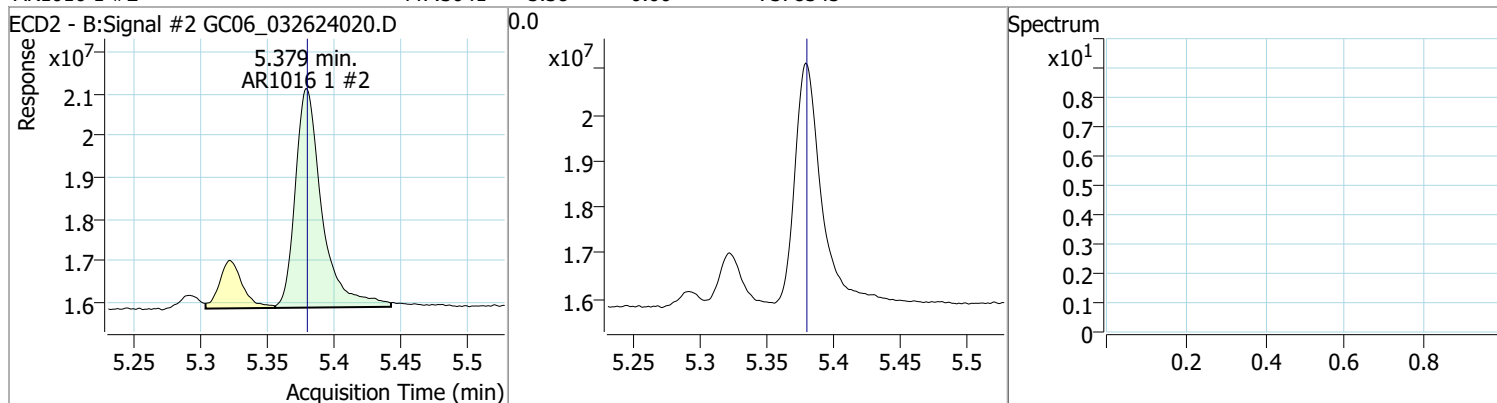


| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 2 | 479.0670 | 5.30 | 0.00     | 1268127 (m) |      |        |       |       |

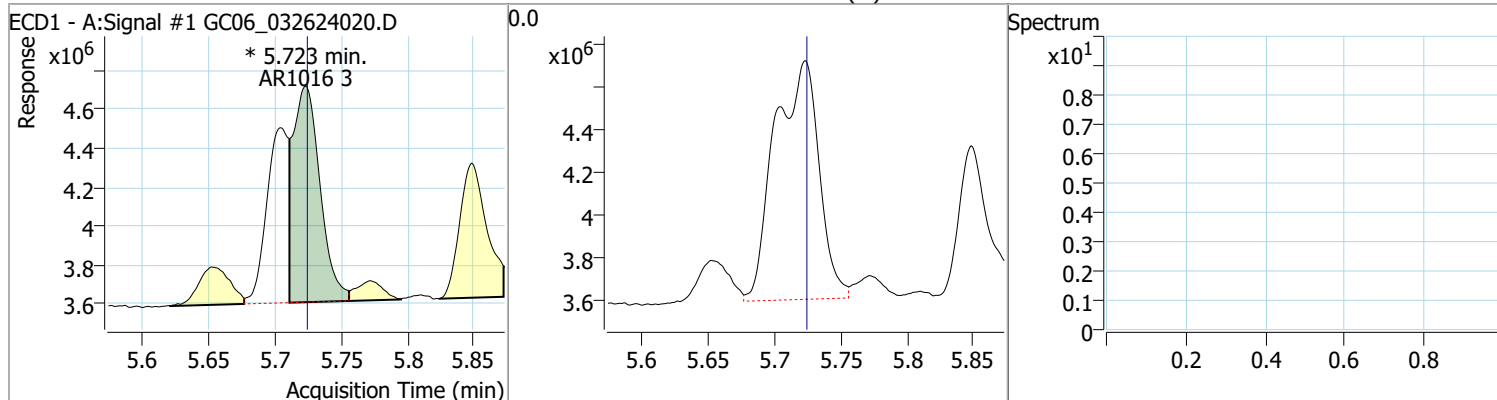


# Quantitation Results Report (Not Reviewed)

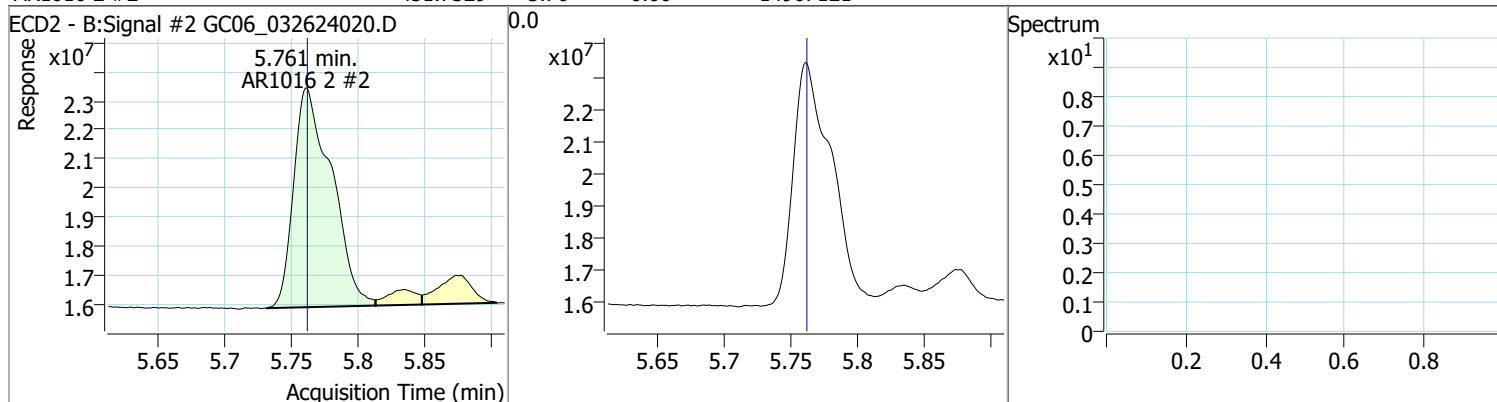
| Compound    | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 #2 | 447.3041 | 5.38 | 0.00     | 7378345 |      |        |       |       |



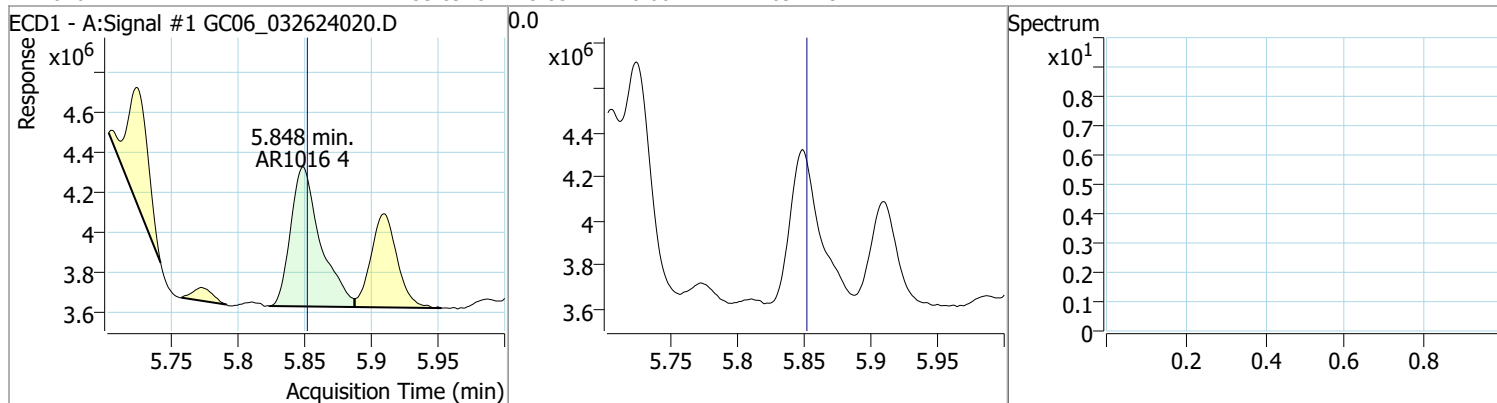
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 463.0573 | 5.72 | 0.00     | 1576647 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 451.7329 | 5.76 | 0.00     | 14907121 |      |        |       |       |

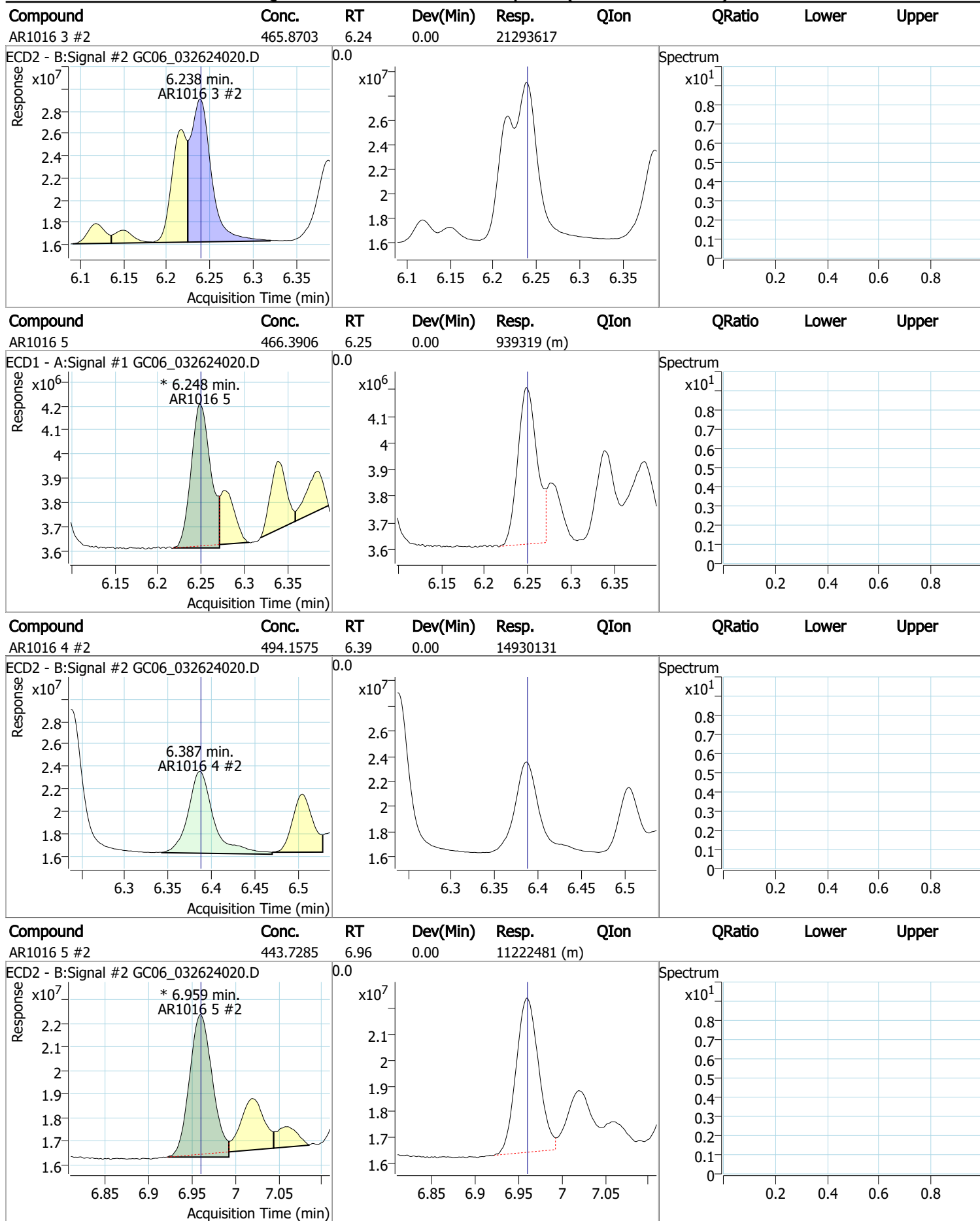


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 453.8978 | 5.85 | 0.00     | 1091129 |      |        |       |       |

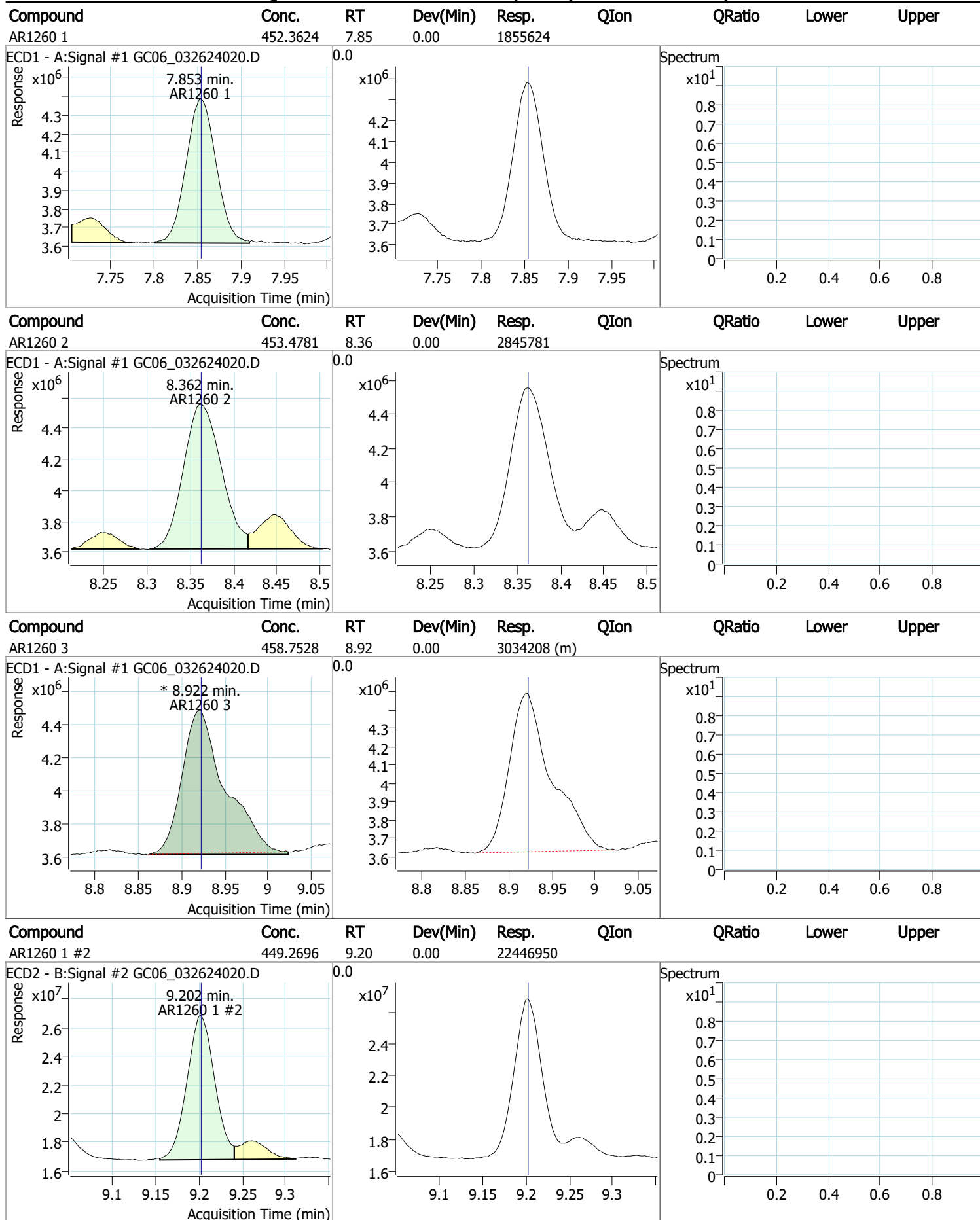




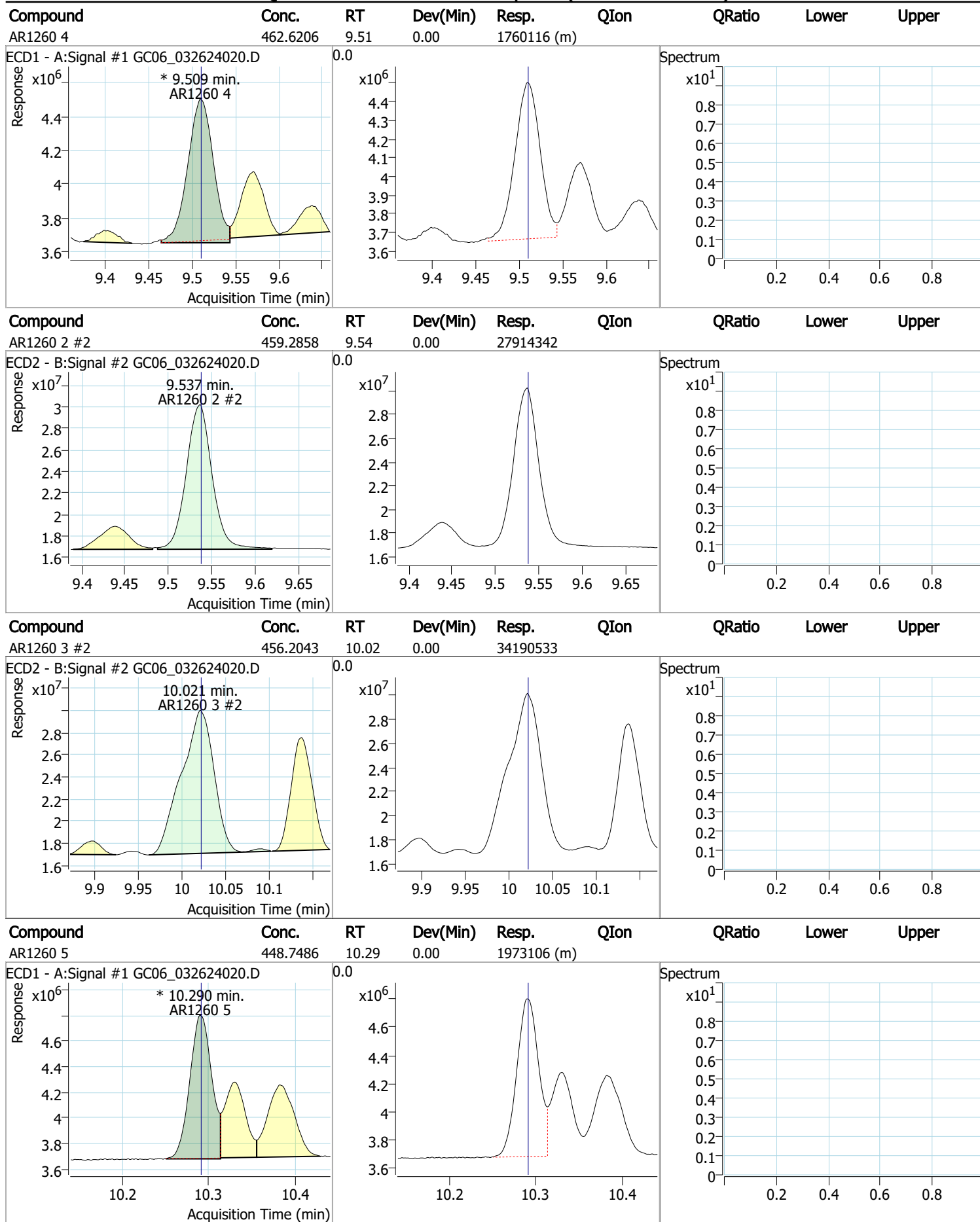
# Quantitation Results Report (Not Reviewed)



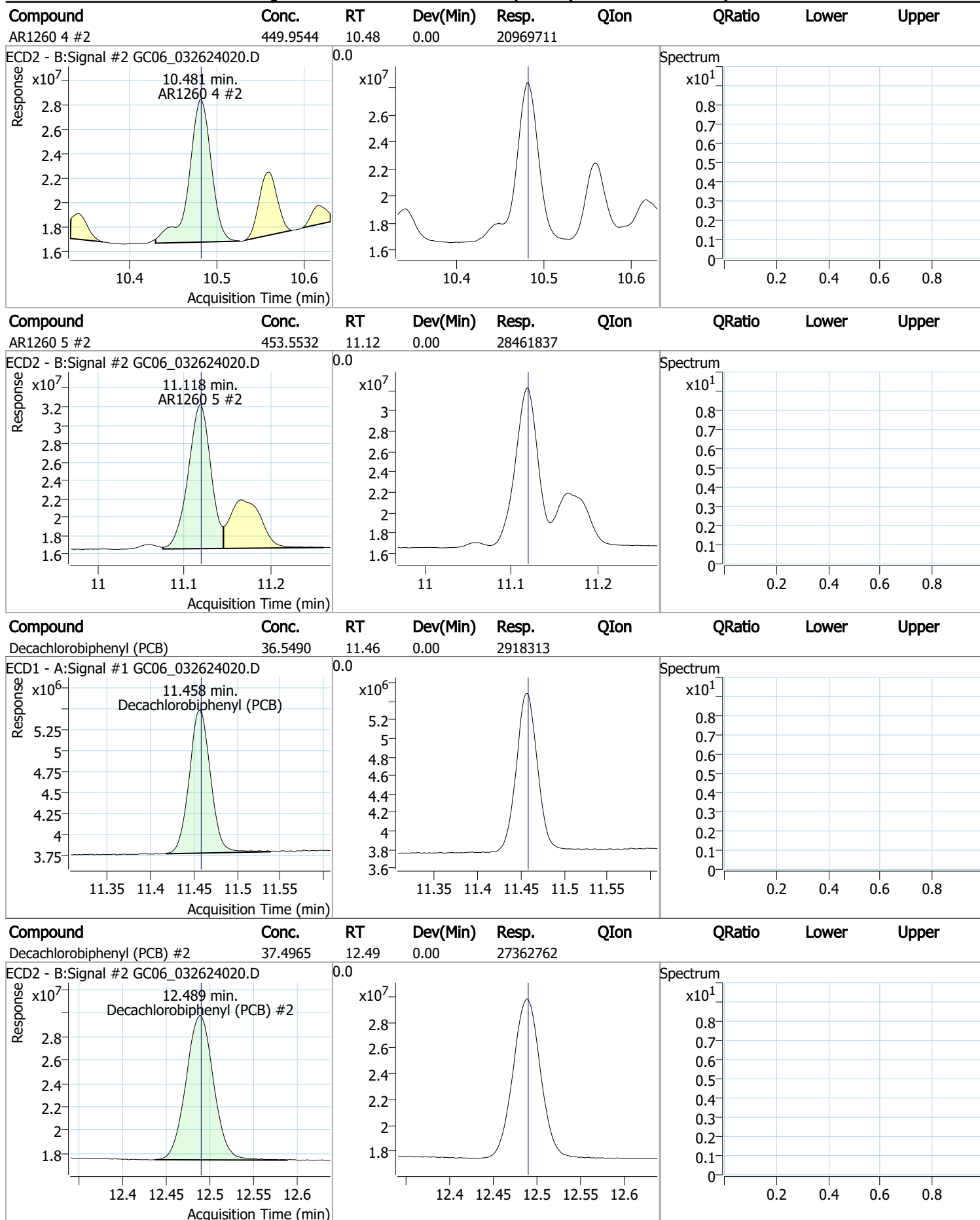
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

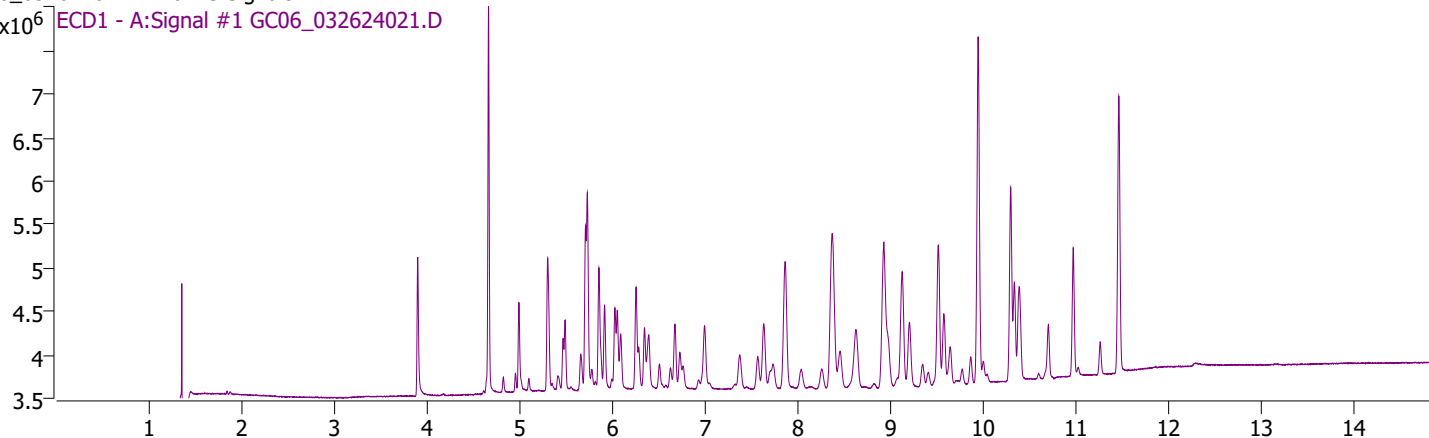


# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624021.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 4:17:51 PM  |
| Sample Name    | ICAL, S20232            | Instrument        | SVOA-GC06             |
| Vial           | 16                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 750 ppb PCB ICAL 7    |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |

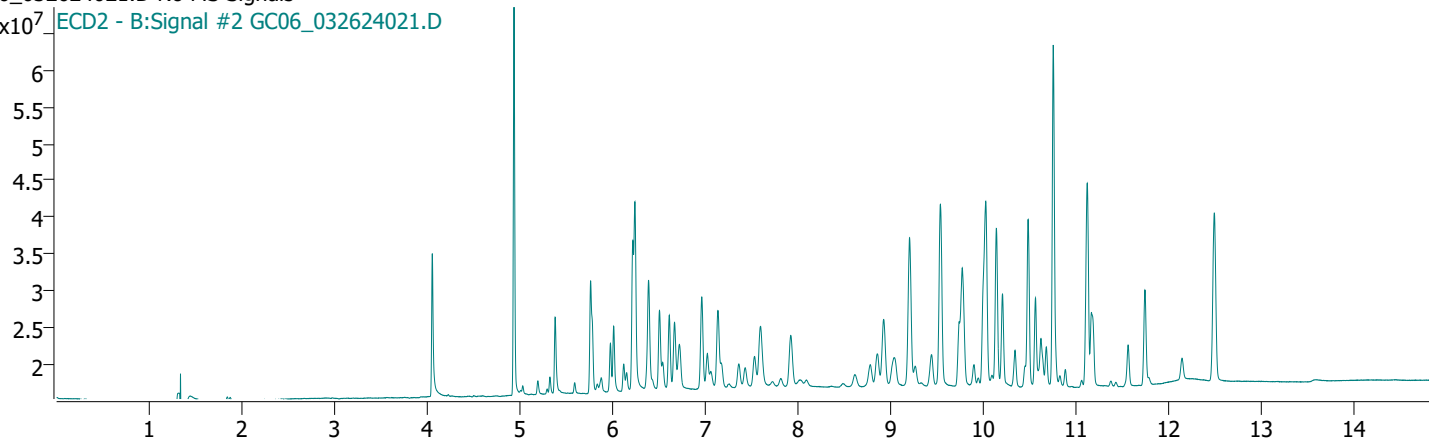
GC06\_032624021.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_032624021.D



GC06\_032624021.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_032624021.D



| Compound                           | RT                   | QIon | Resp.        | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|--------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |              |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.896                | 0.0  | 1873211.754  | 20.0000            | ng/ml | 0.003    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.053                | 0.0  | 24102939.570 | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |              |                    |       |          |
| S TCMX (PCB)                       | 4.660                | 0.0  | 4576901.540  | 54.2712            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 271.36% | *     |          |
| S TCMX (PCB) #2                    | 4.935                | 0.0  | 56036950.151 | 53.6149            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 268.07% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.460               | 0.0  | 5497709.736  | 49.3010            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 246.50% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.490               | 0.0  | 51064929.228 | 51.8250            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |              | Recovery = 259.13% | *     |          |

## Target Compounds

QValue

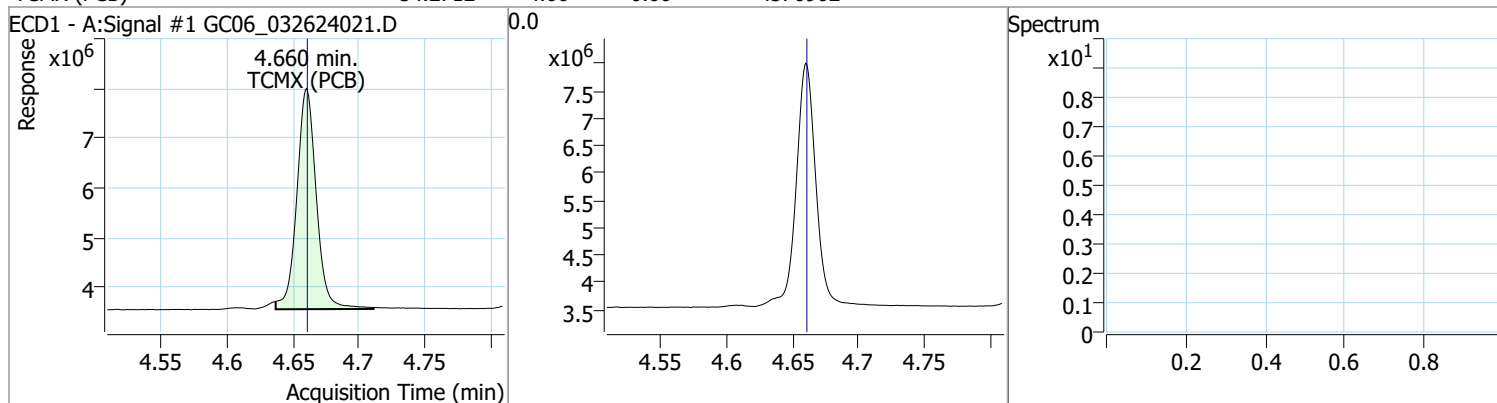
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 4.988  | 0.0  | 1349589.50<br>3  | 670.2121 | ng/ml   | 100      |
| T AR1016 2    | 5.298  | 0.0  | 2461946.82<br>3  | 665.9513 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.378  | 0.0  | 14848017.3<br>62 | 666.6517 | ng/ml   | 100      |
| T AR1016 3    | 5.726  | 0.0  | 3176012.54<br>3  | 667.9021 | ng/ml   | 100      |
| T AR1016 2 #2 | 5.761  | 0.0  | 29607885.5<br>21 | 664.4800 | ng/ml   | 100      |
| T AR1016 4    | 5.851  | 0.0  | 2199542.08<br>9  | 655.1556 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.239  | 0.0  | 41737882.4<br>99 | 676.2893 | ng/ml   | 100      |
| T AR1016 5    | 6.252  | 0.0  | 1772321.00<br>4  | 630.0999 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.387  | 0.0  | 28281329.7<br>40 | 693.2473 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.960  | 0.0  | 22982798.7<br>21 | 673.0044 | ng/ml m | 100      |
| T AR1260 1    | 7.860  | 0.0  | 3619156.13<br>7  | 631.7337 | ng/ml   | 100      |
| T AR1260 2    | 8.368  | 0.0  | 5495402.92<br>7  | 627.0247 | ng/ml   | 100      |
| T AR1260 3    | 8.925  | 0.0  | 5787039.17<br>5  | 626.4984 | ng/ml m | 100      |
| T AR1260 1 #2 | 9.203  | 0.0  | 45532485.3<br>40 | 674.9282 | ng/ml   | 100      |
| T AR1260 4    | 9.512  | 0.0  | 3357966.36<br>5  | 631.9608 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.534  | 0.0  | 53945255.1<br>51 | 657.3481 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.024 | 0.0  | 66850888.3<br>26 | 660.6132 | ng/ml   | 100      |
| T AR1260 5    | 10.293 | 0.0  | 3870014.08<br>0  | 630.2246 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.482 | 0.0  | 37120562.8<br>00 | 589.8984 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.119 | 0.0  | 54224117.6<br>37 | 639.9475 | ng/ml   | 100      |

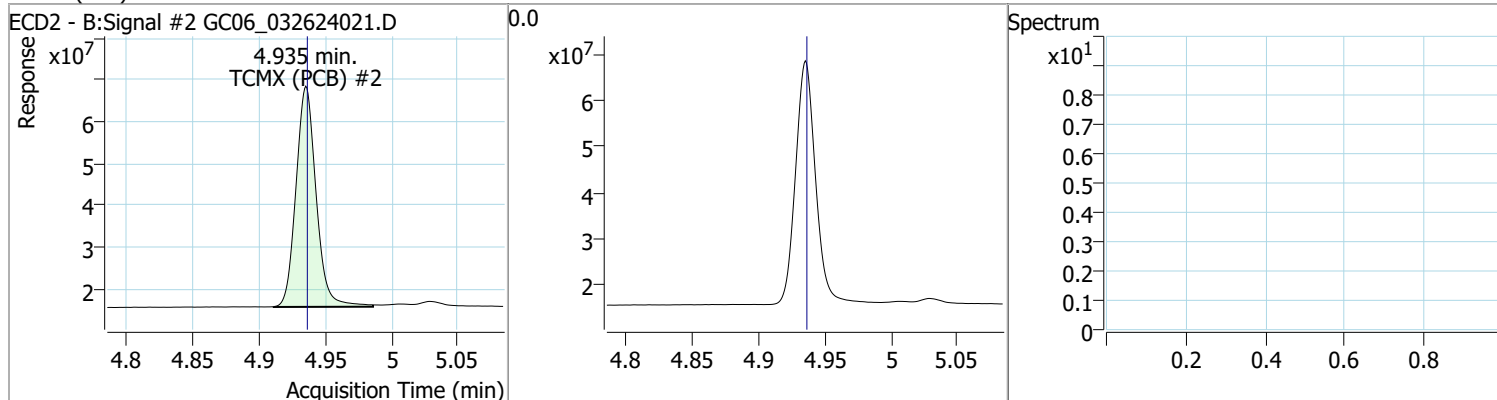
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

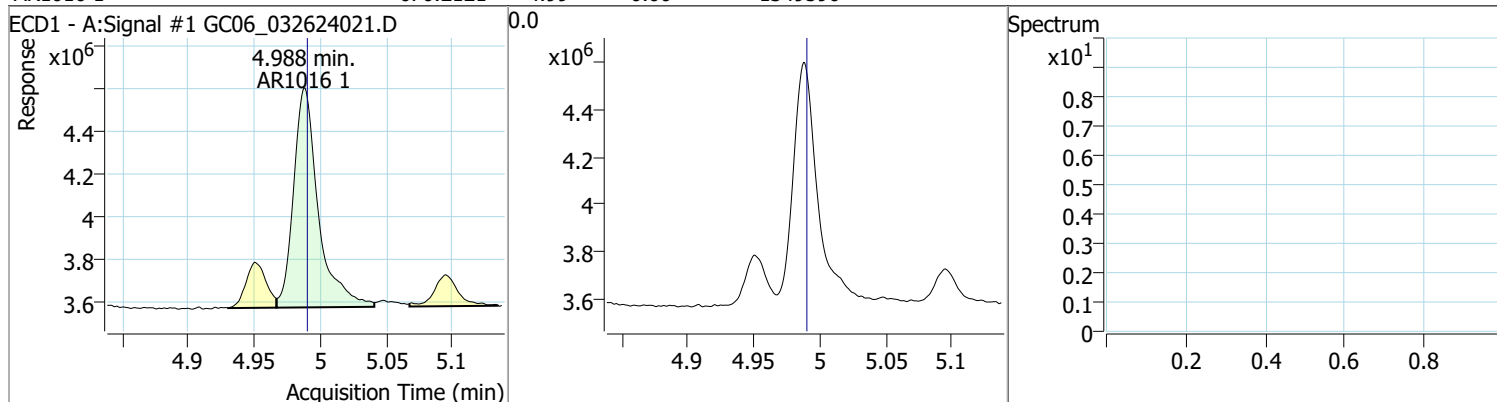
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 54.2712 | 4.66 | 0.00     | 4576902 |      |        |       |       |



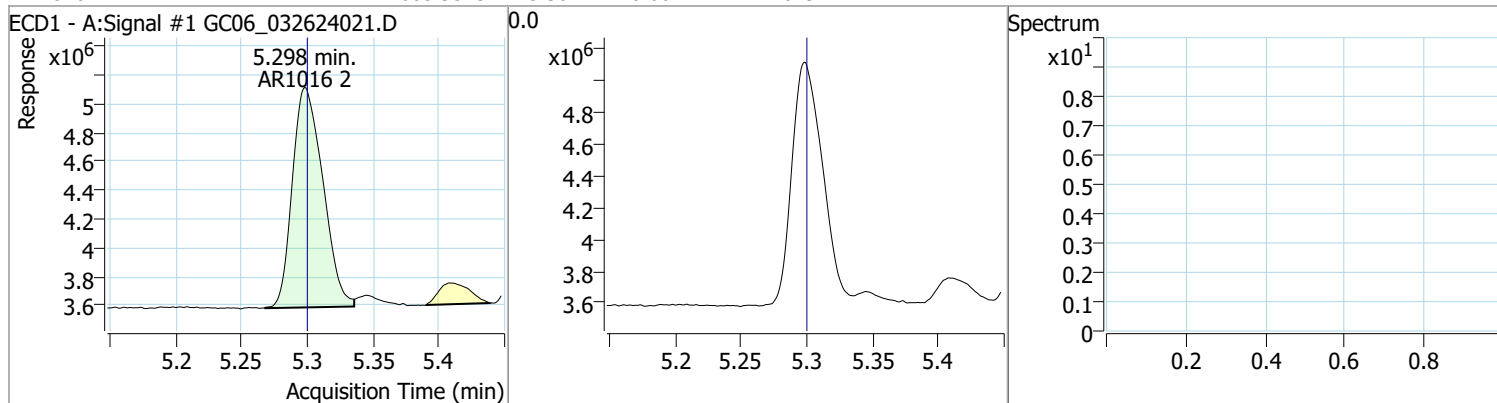
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 53.6149 | 4.94 | 0.00     | 56036950 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 670.2121 | 4.99 | 0.00     | 1349590 |      |        |       |       |

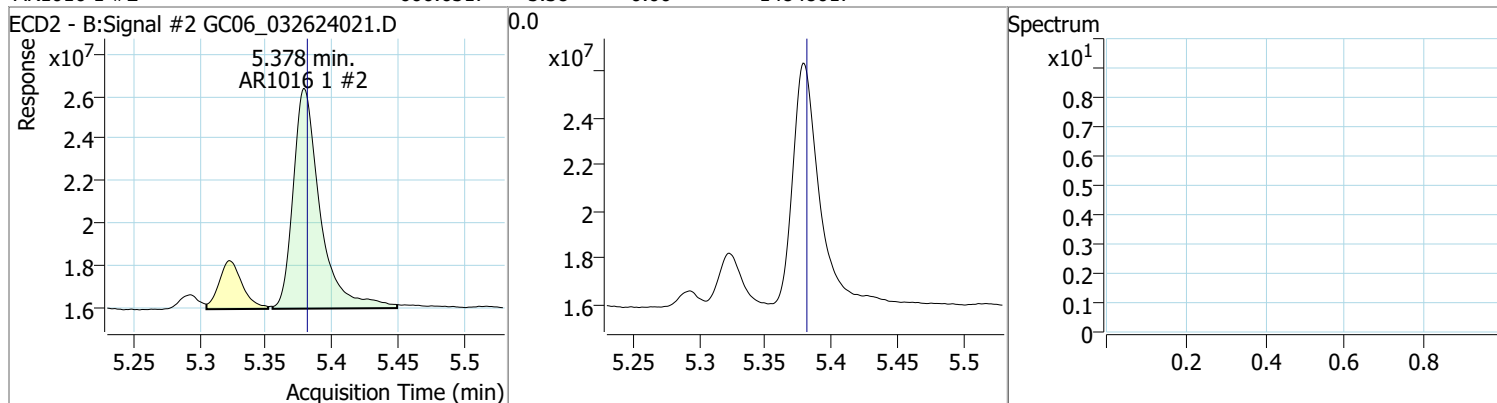


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 665.9513 | 5.30 | 0.00     | 2461947 |      |        |       |       |

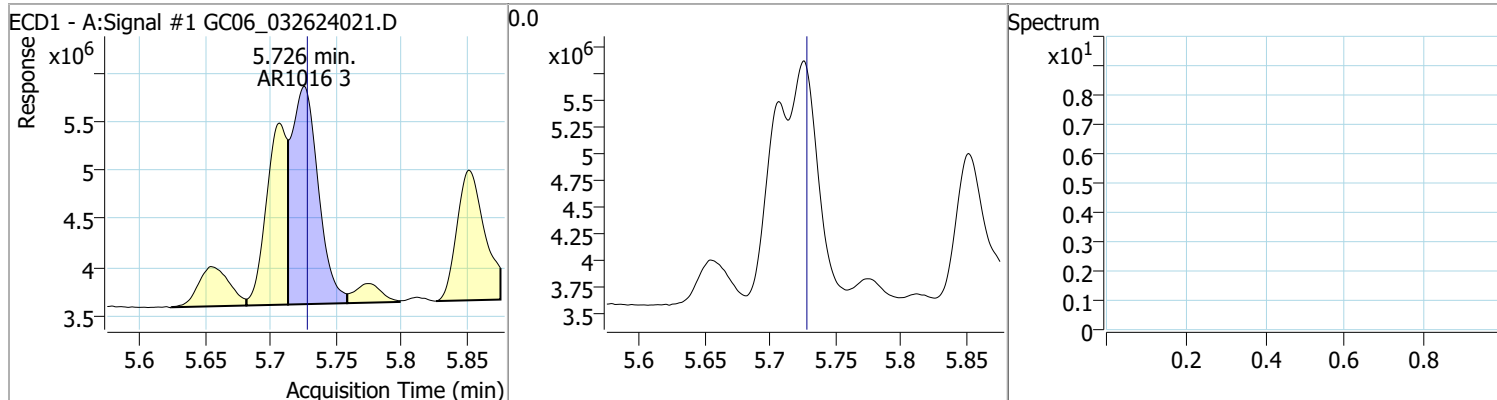


# Quantitation Results Report (Not Reviewed)

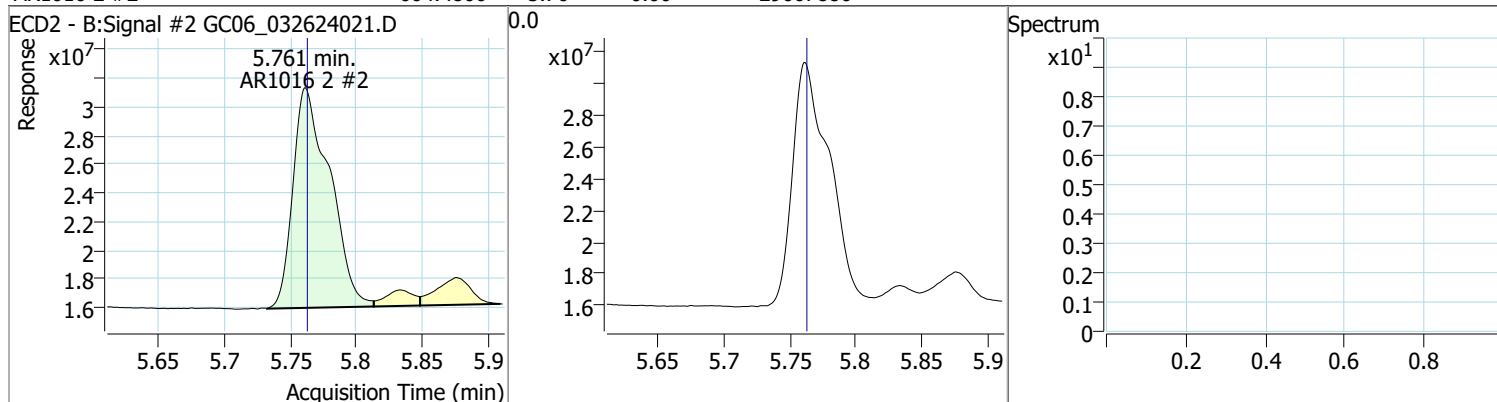
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 666.6517 | 5.38 | 0.00     | 14848017 |      |        |       |       |



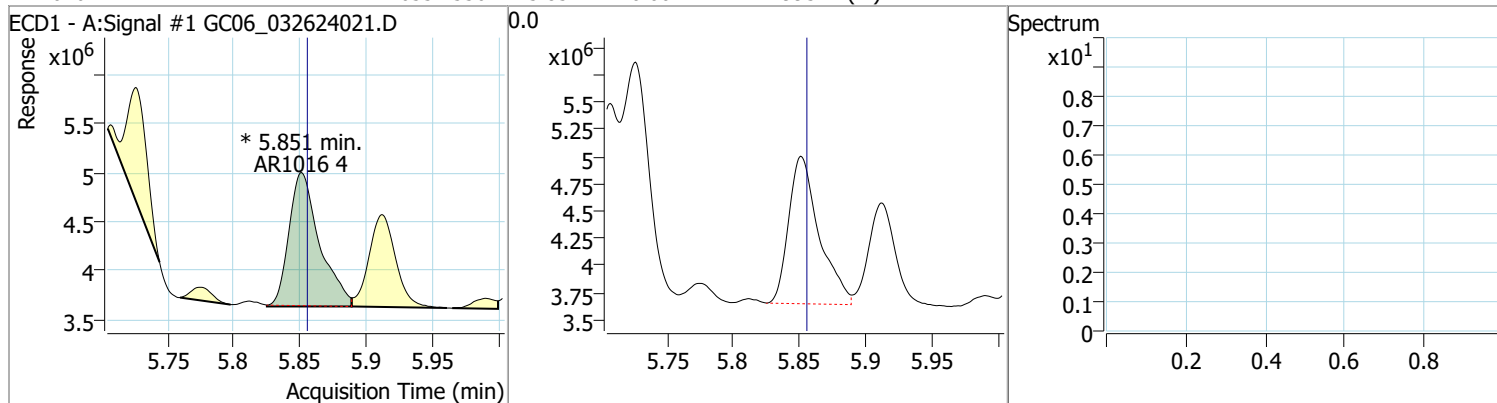
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 3 | 667.9021 | 5.73 | 0.00     | 3176013 |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 664.4800 | 5.76 | 0.00     | 29607886 |      |        |       |       |

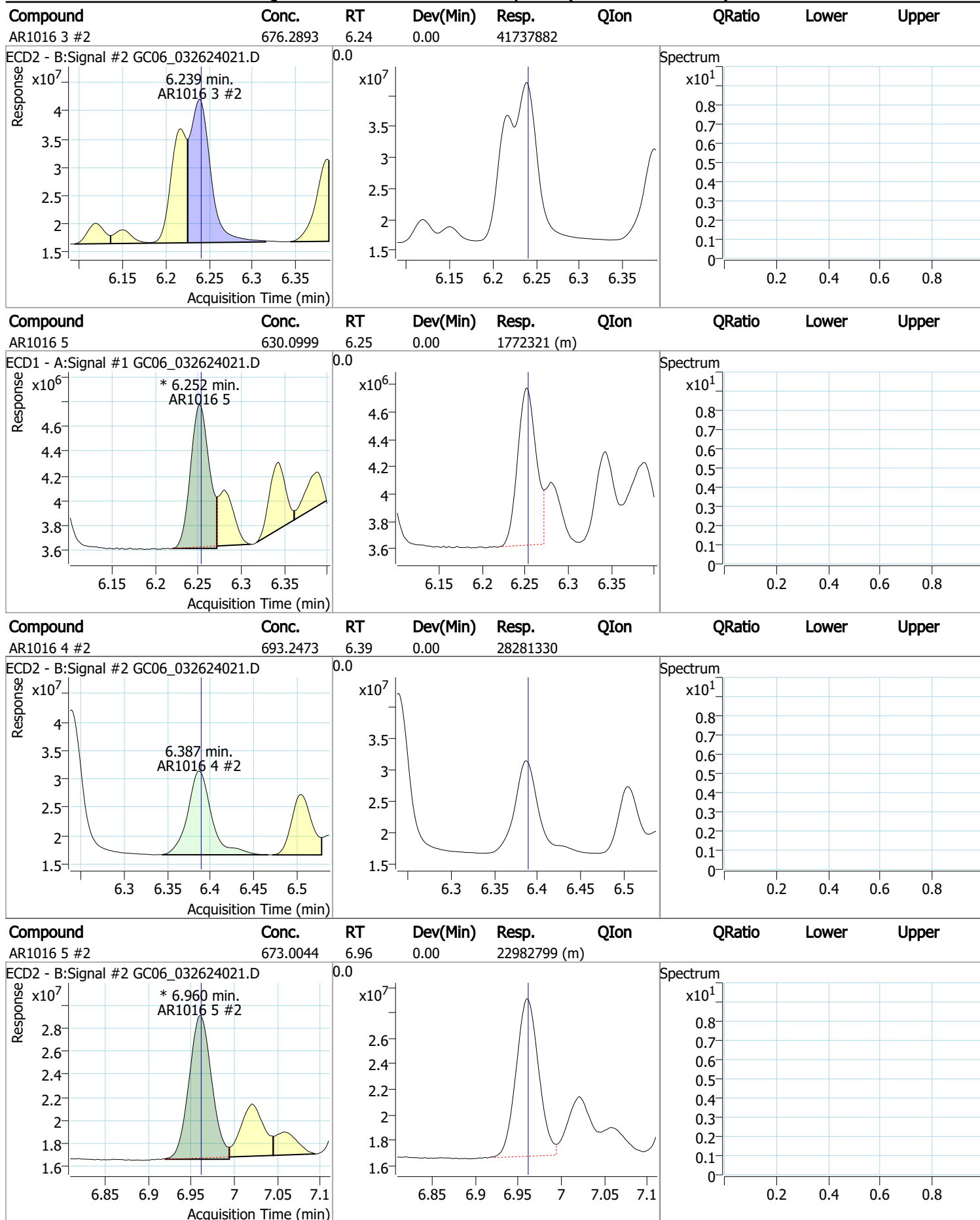


| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 4 | 655.1556 | 5.85 | 0.00     | 2199542 (m) |      |        |       |       |

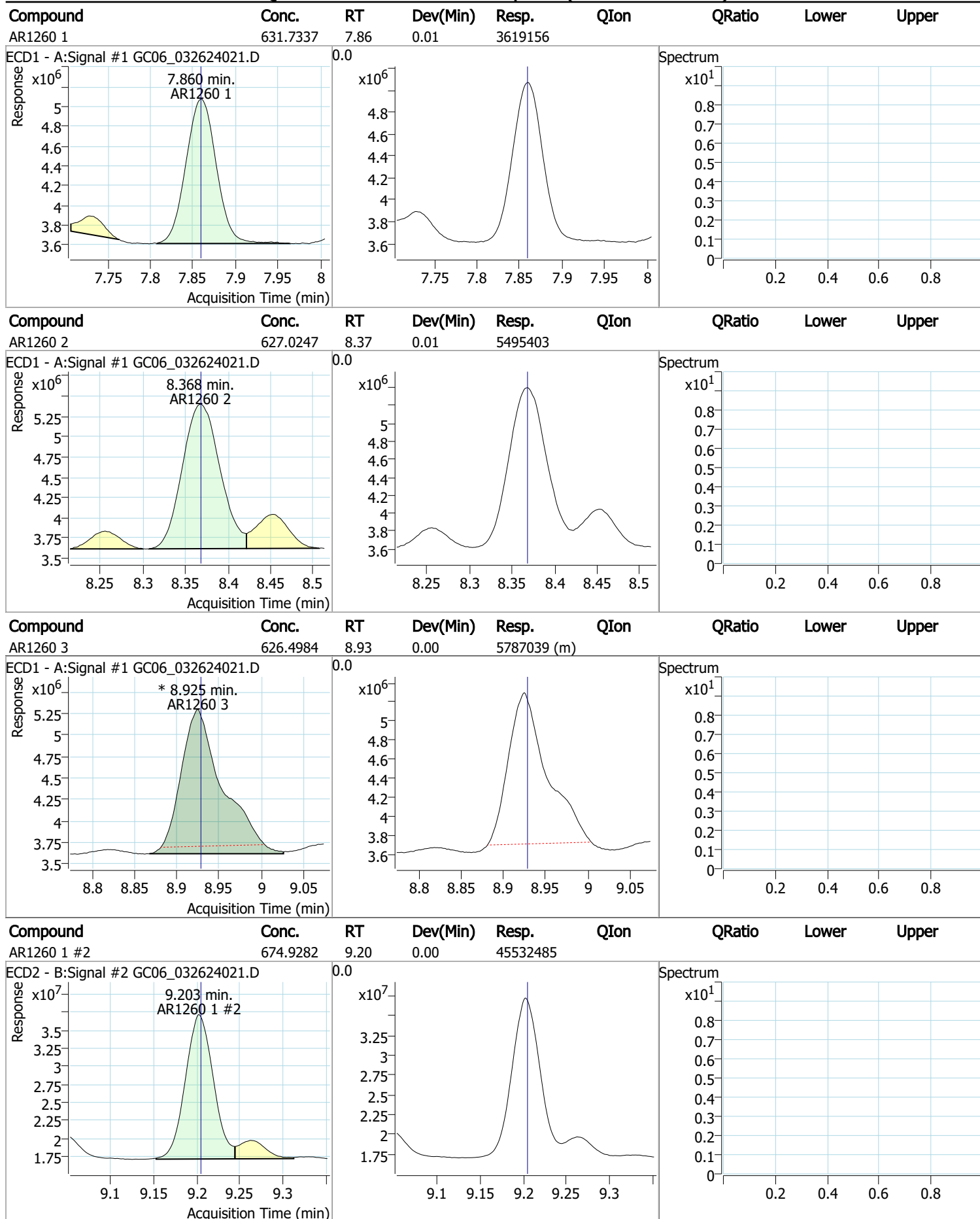




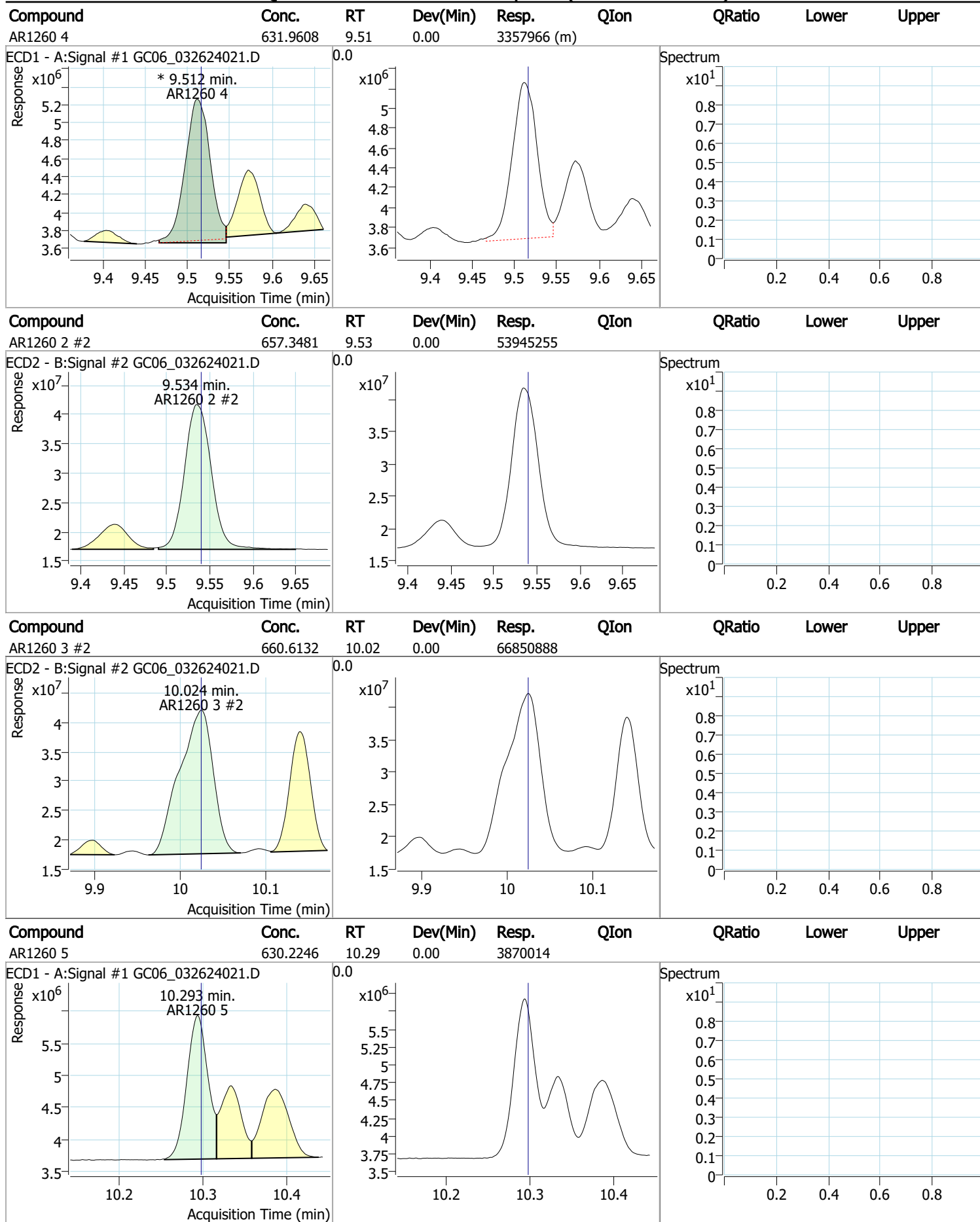
# Quantitation Results Report (Not Reviewed)



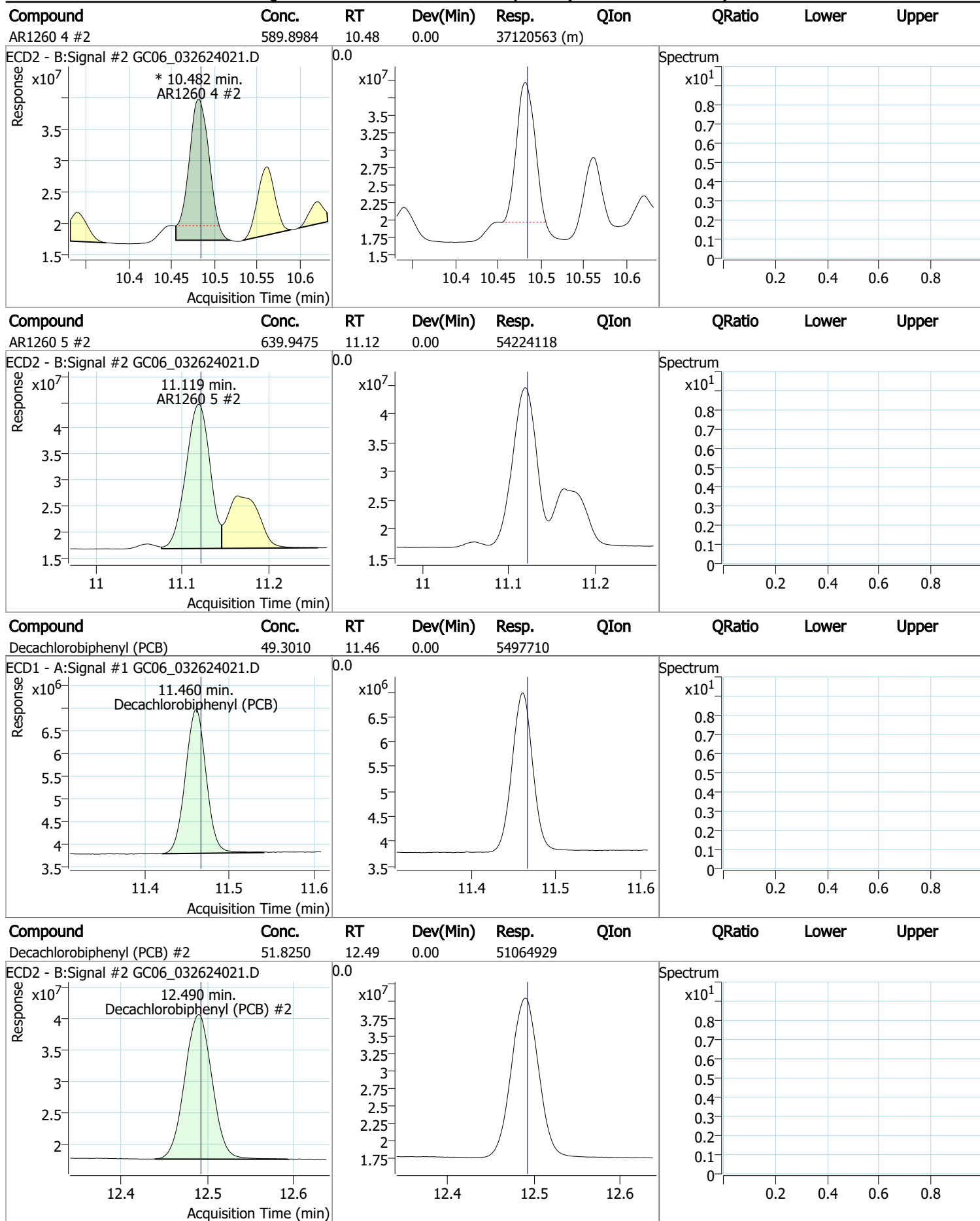
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

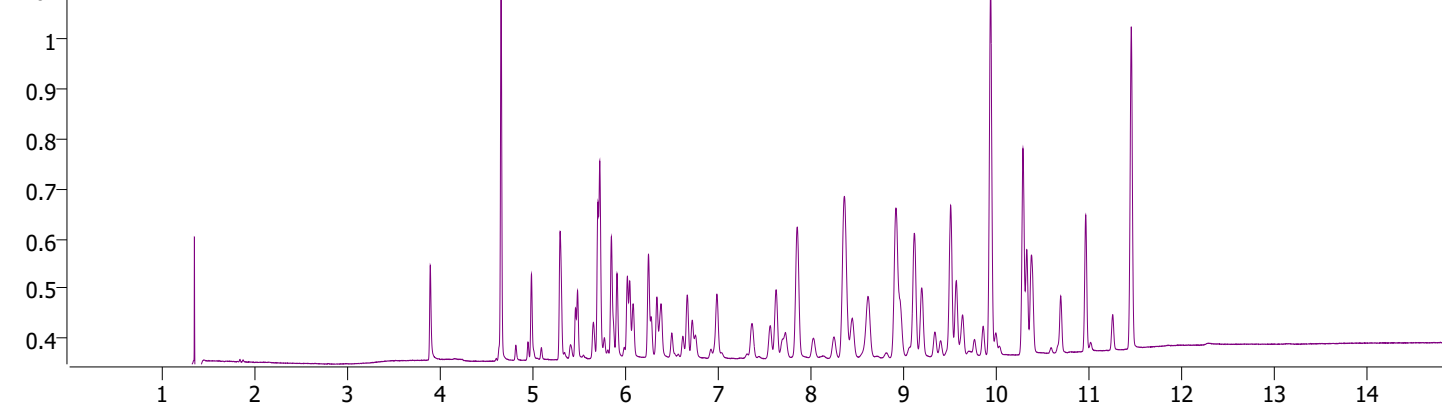


# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624022.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 4:37:28 PM  |
| Sample Name    | ICAL, S20233            | Instrument        | SVOA-GC06             |
| Vial           | 17                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 1000 ppb PCB ICAL 8   |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |

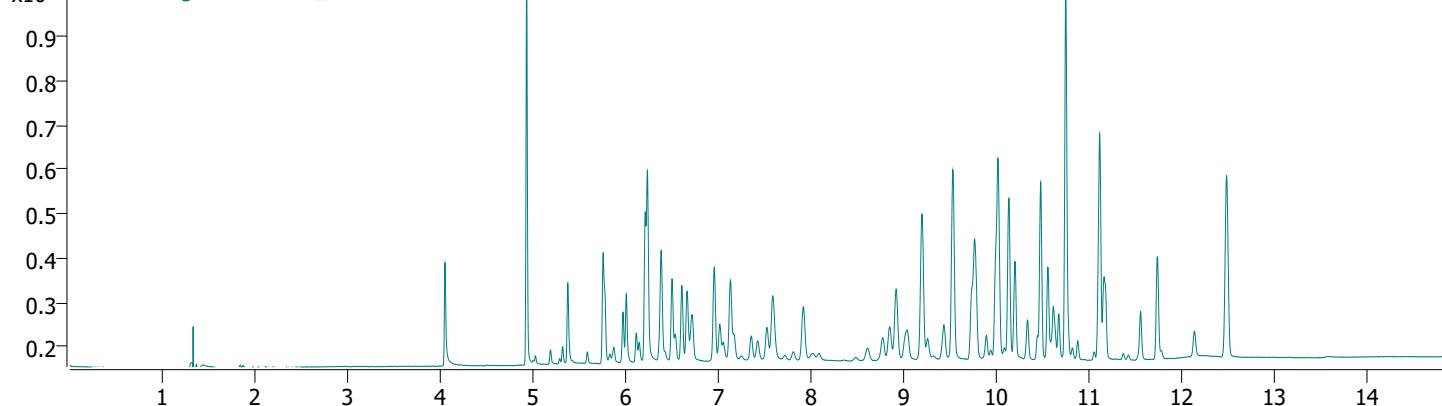
GC06\_032624022.D No MS Signals

x10<sup>7</sup> ECD1 - A:Signal #1 GC06\_032624022.D



GC06\_032624022.D No MS Signals

x10<sup>8</sup> ECD2 - B:Signal #2 GC06\_032624022.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.893                | 0.0  | 2215521.33<br>5  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.053                | 0.0  | 28894494.1<br>74 | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.658                | 0.0  | 7809792.86<br>9  | 78.2976            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 391.49% | *     |          |
| S TCMX (PCB) #2                    | 4.934                | 0.0  | 92714163.0<br>50 | 73.9966            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 369.98% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.460               | 0.0  | 10837478.6<br>45 | 82.1699            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 410.85% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.489               | 0.0  | 93838115.5<br>95 | 79.4421            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 397.21% | *     |          |

## Target Compounds

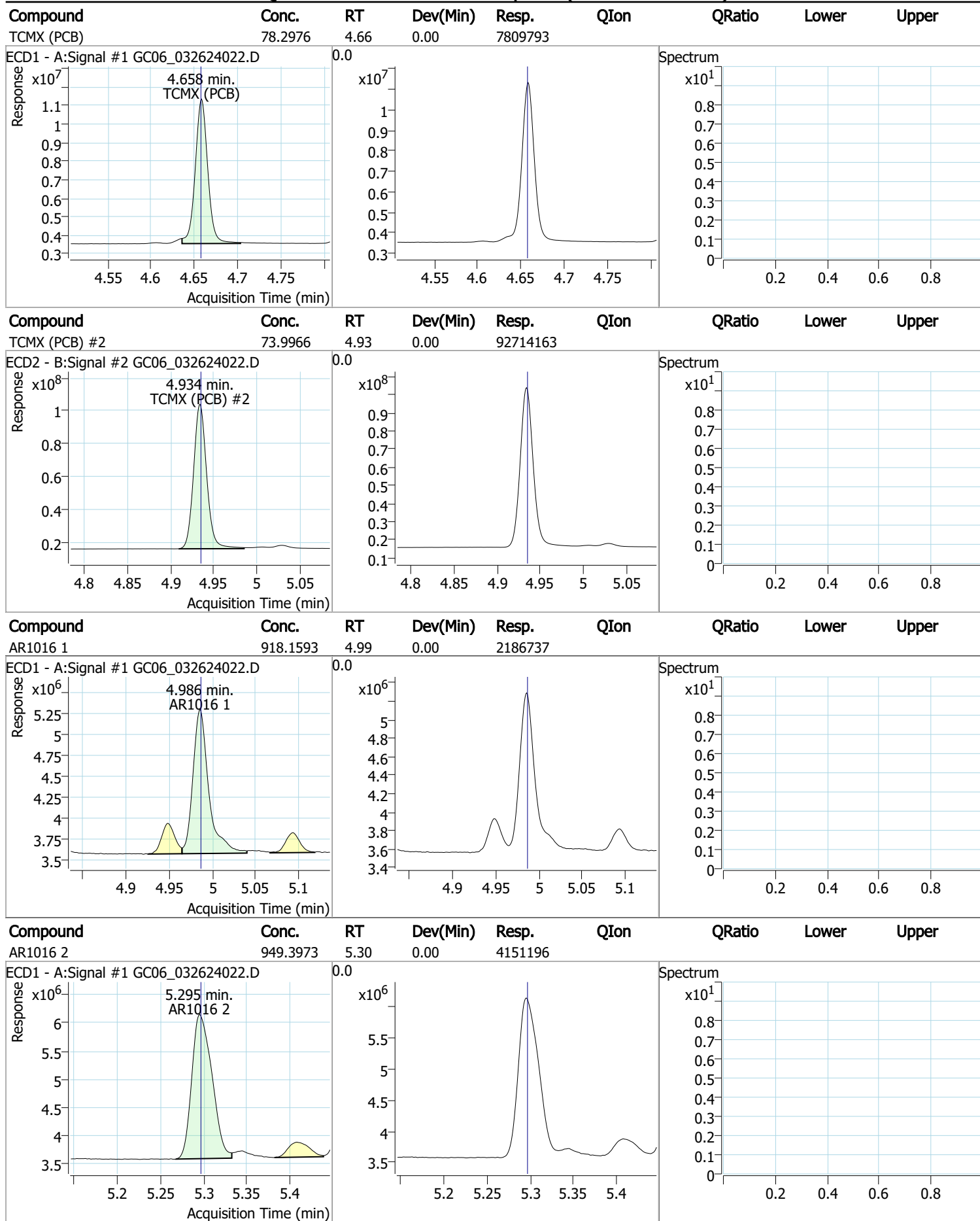
QValue

# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.             | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|-------------------|----------|---------|----------|
| T AR1016 1    | 4.986  | 0.0  | 2186736.94<br>6   | 918.1593 | ng/ml   | 100      |
| T AR1016 2    | 5.295  | 0.0  | 4151195.98<br>4   | 949.3973 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.378  | 0.0  | 24932029.8<br>99  | 933.7767 | ng/ml   | 100      |
| T AR1016 3    | 5.723  | 0.0  | 5374560.46<br>5   | 955.6184 | ng/ml   | 100      |
| T AR1016 2 #2 | 5.760  | 0.0  | 49751188.3<br>41  | 931.3929 | ng/ml   | 100      |
| T AR1016 4    | 5.848  | 0.0  | 3694556.25<br>6   | 930.4337 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.237  | 0.0  | 70315526.7<br>64  | 950.4040 | ng/ml m | 100      |
| T AR1016 5    | 6.249  | 0.0  | 3099222.30<br>6   | 931.6026 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.386  | 0.0  | 48184874.3<br>39  | 985.2672 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.959  | 0.0  | 38152332.4<br>17  | 931.9466 | ng/ml   | 100      |
| T AR1260 1    | 7.854  | 0.0  | 6539333.35<br>6   | 965.0975 | ng/ml   | 100      |
| T AR1260 2    | 8.363  | 0.0  | 9996817.54<br>0   | 964.4014 | ng/ml   | 100      |
| T AR1260 3    | 8.920  | 0.0  | 10721581.2<br>30  | 981.3713 | ng/ml m | 100      |
| T AR1260 1 #2 | 9.201  | 0.0  | 75674573.7<br>06  | 935.7096 | ng/ml   | 100      |
| T AR1260 4    | 9.510  | 0.0  | 6255634.41<br>9   | 995.3964 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.534  | 0.0  | 91812700.2<br>98  | 933.2539 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.021 | 0.0  | 116247511.<br>483 | 958.2495 | ng/ml   | 100      |
| T AR1260 5    | 10.291 | 0.0  | 7132940.18<br>6   | 982.1149 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.483 | 0.0  | 73487637.2<br>10  | 974.1635 | ng/ml   | 100      |
| T AR1260 5 #2 | 11.118 | 0.0  | 96691917.5<br>91  | 951.9123 | ng/ml   | 100      |

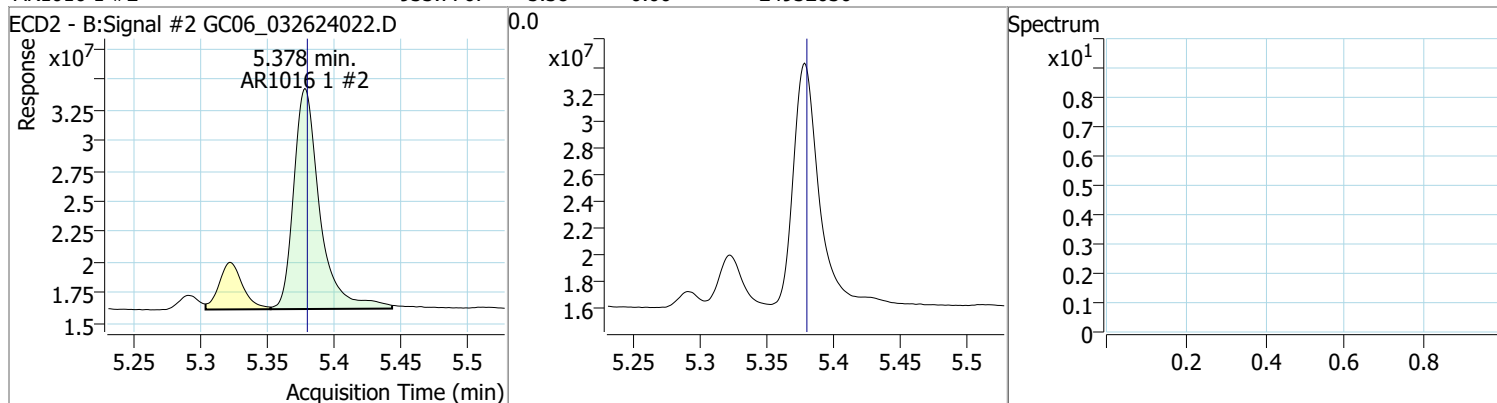
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

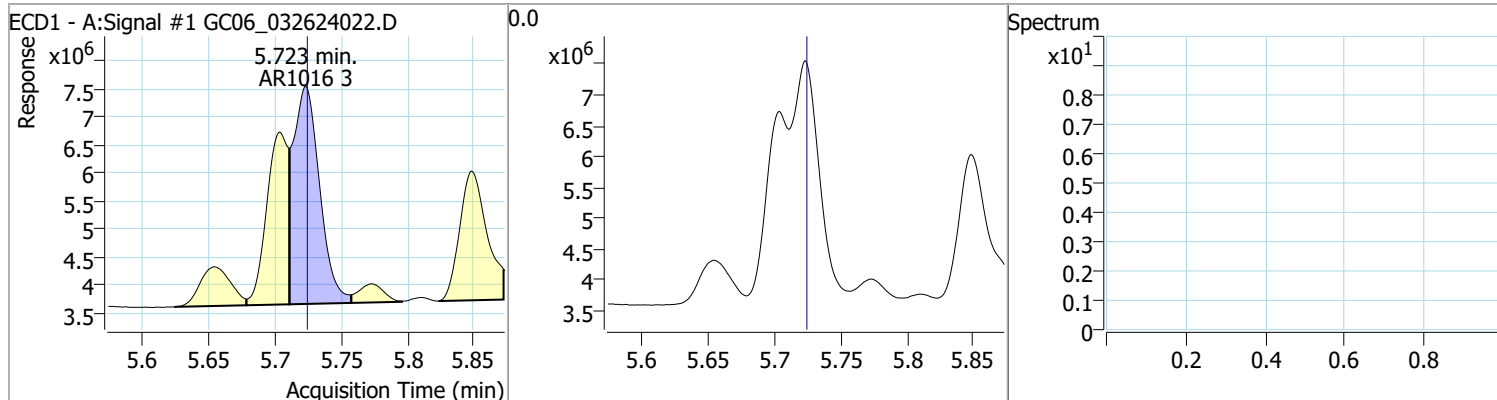


# Quantitation Results Report (Not Reviewed)

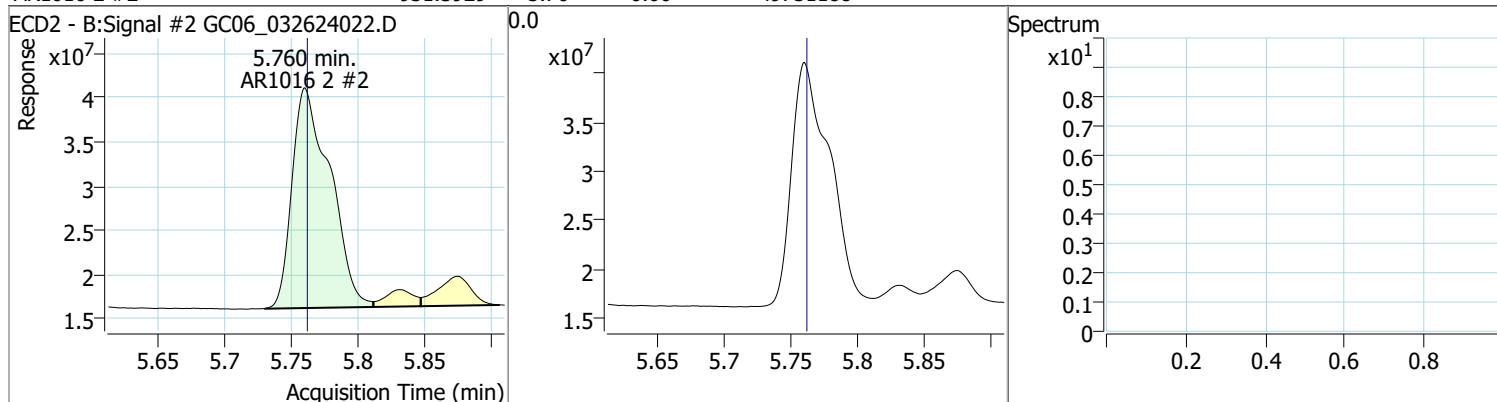
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 933.7767 | 5.38 | 0.00     | 24932030 |      |        |       |       |



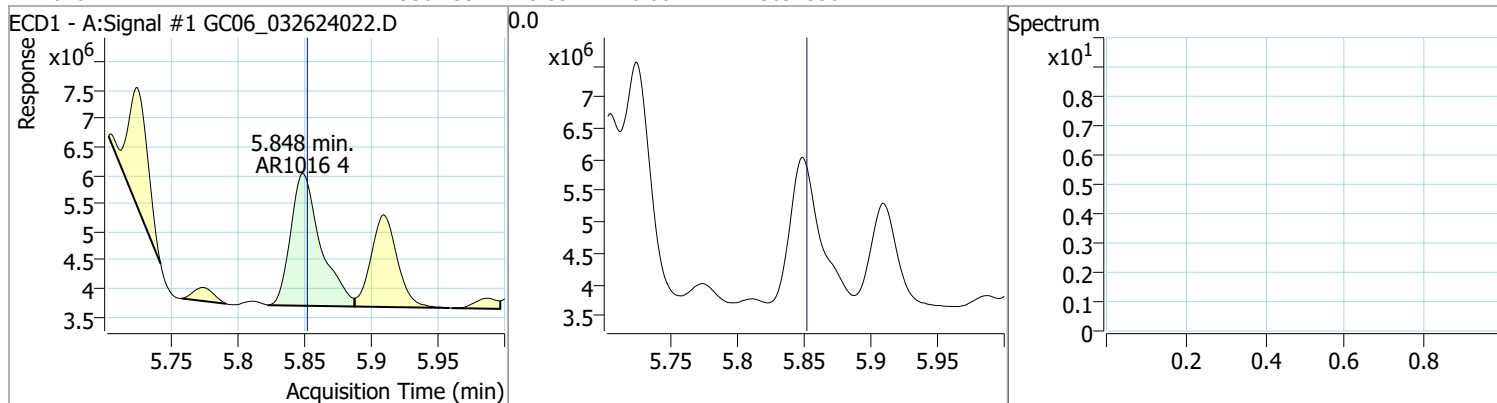
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 3 | 955.6184 | 5.72 | 0.00     | 5374560 |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 931.3929 | 5.76 | 0.00     | 49751188 |      |        |       |       |

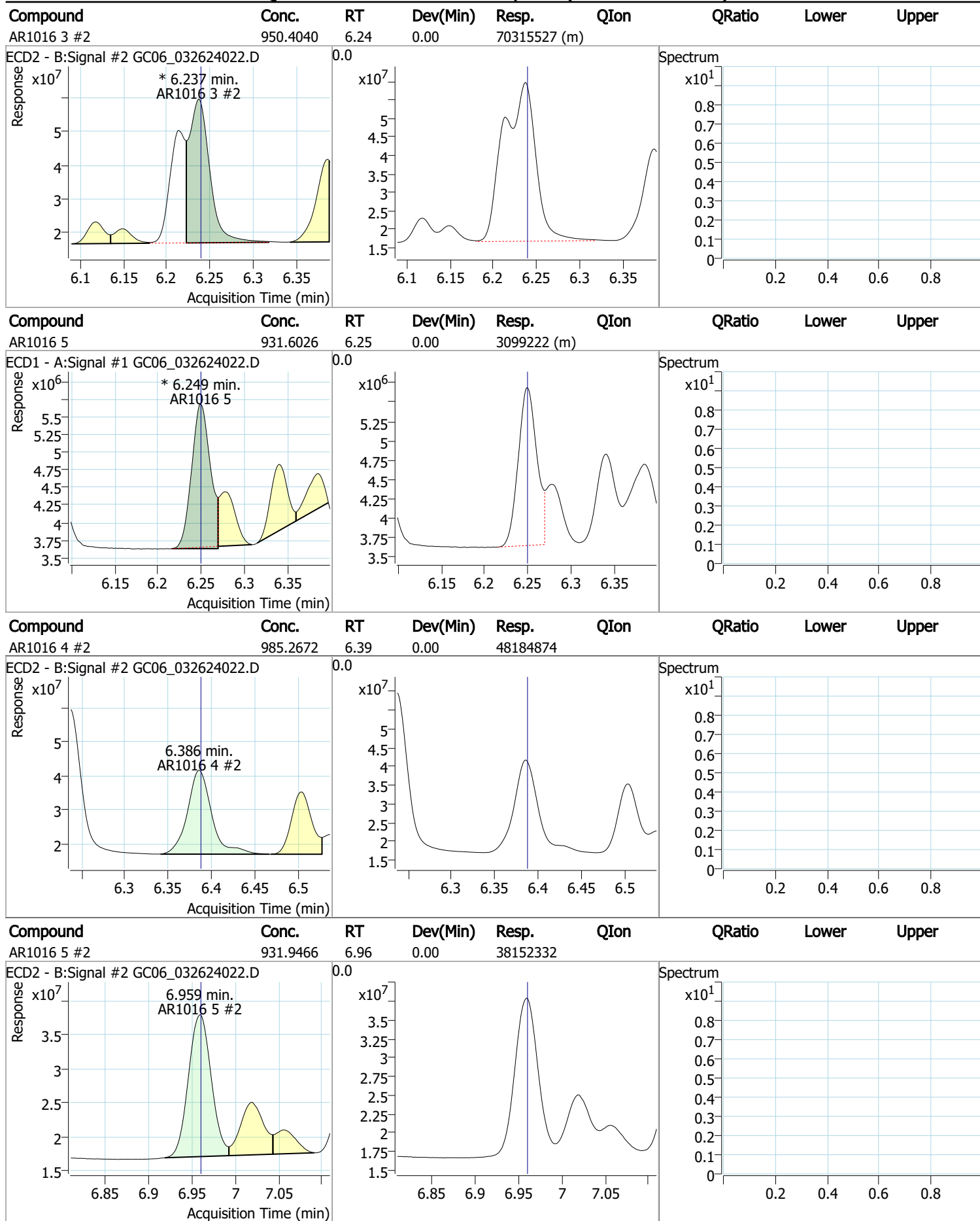


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 4 | 930.4337 | 5.85 | 0.00     | 3694556 |      |        |       |       |



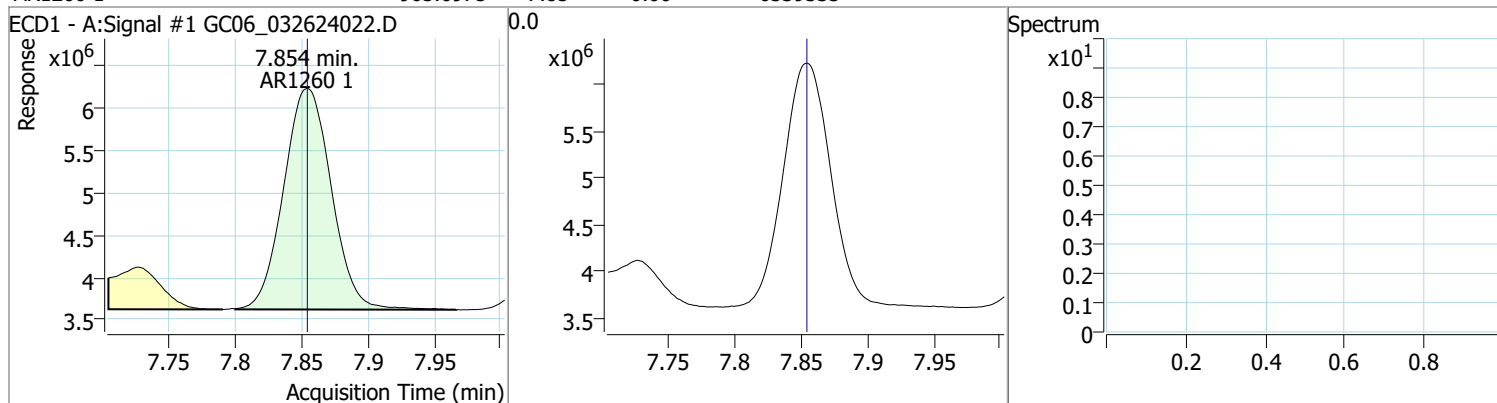


# Quantitation Results Report (Not Reviewed)

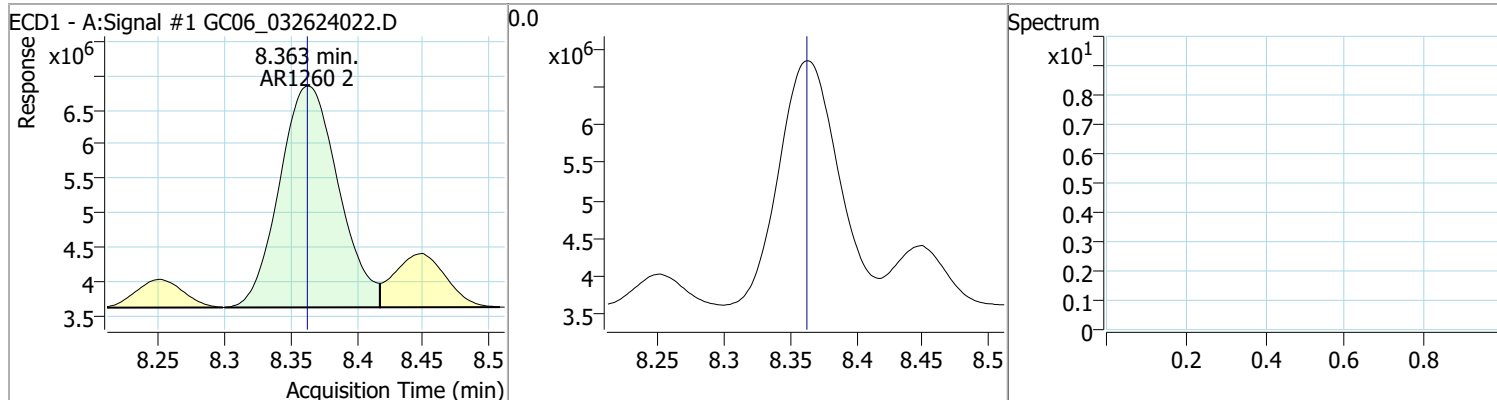


# Quantitation Results Report (Not Reviewed)

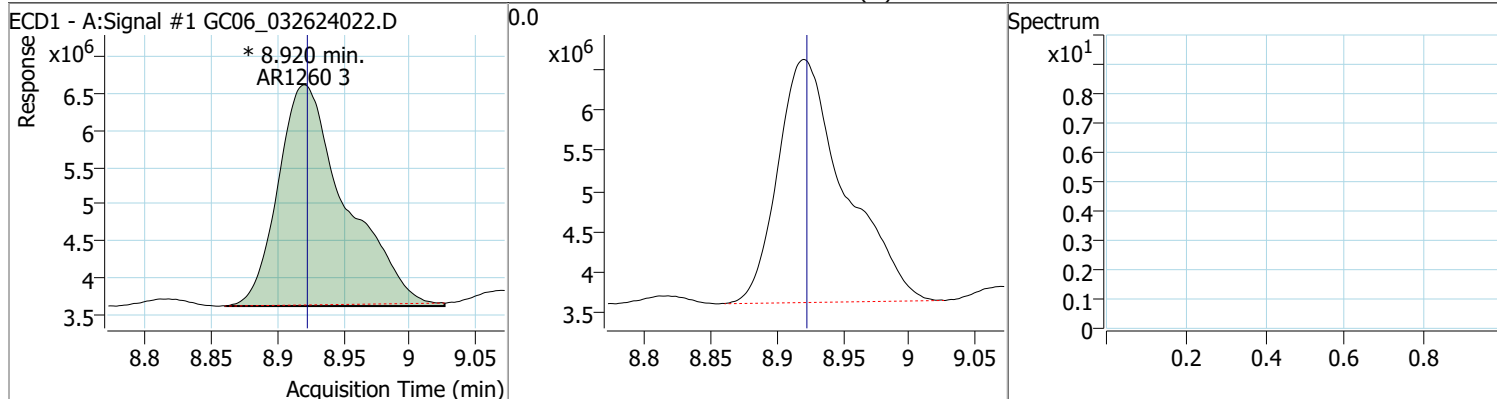
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 965.0975 | 7.85 | 0.00     | 6539333 |      |        |       |       |



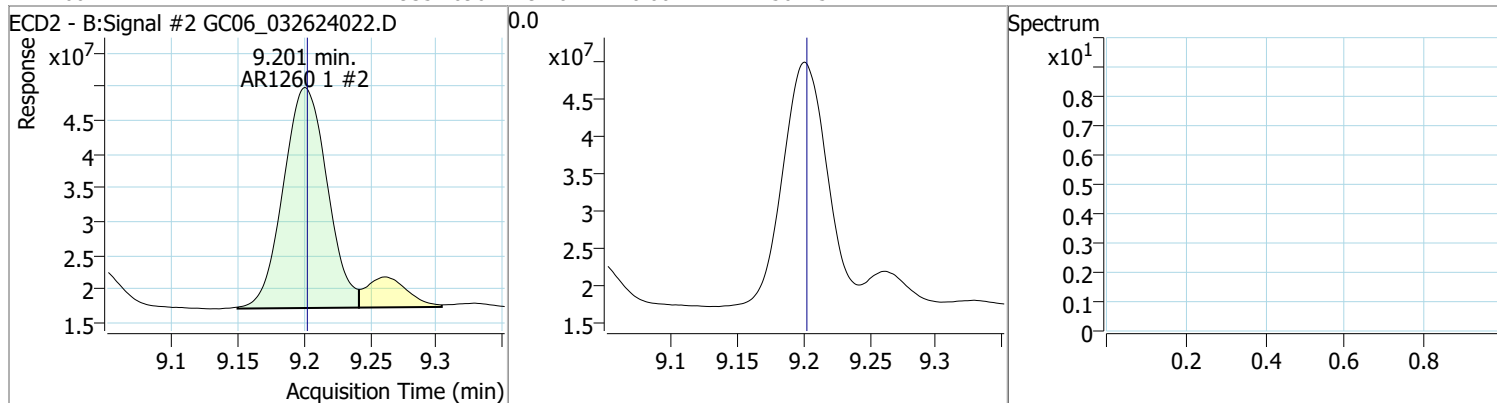
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1260 2 | 964.4014 | 8.36 | 0.00     | 9996818 |      |        |       |       |



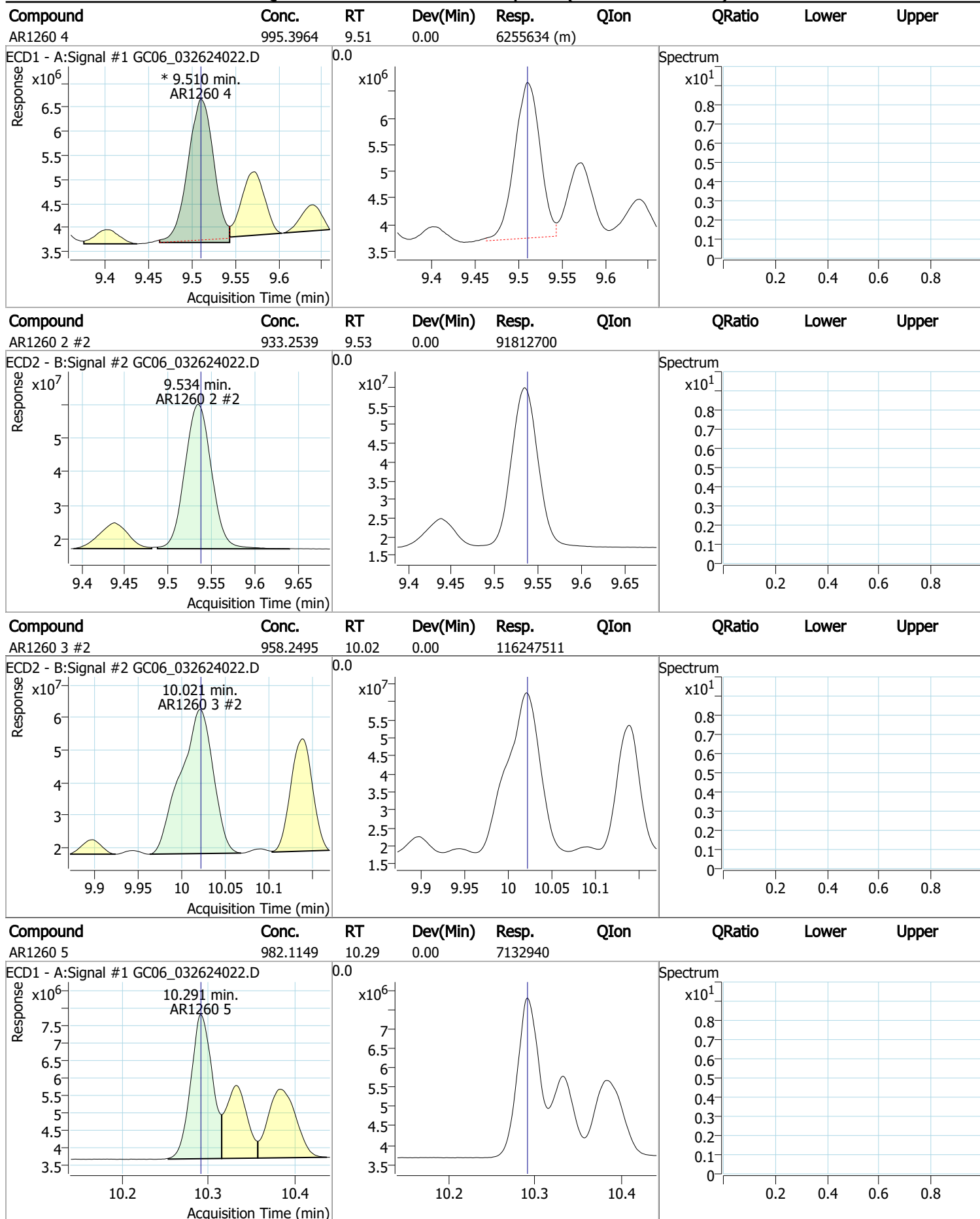
| Compound | Conc.    | RT   | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------------|------|--------|-------|-------|
| AR1260 3 | 981.3713 | 8.92 | 0.00     | 10721581 (m) |      |        |       |       |



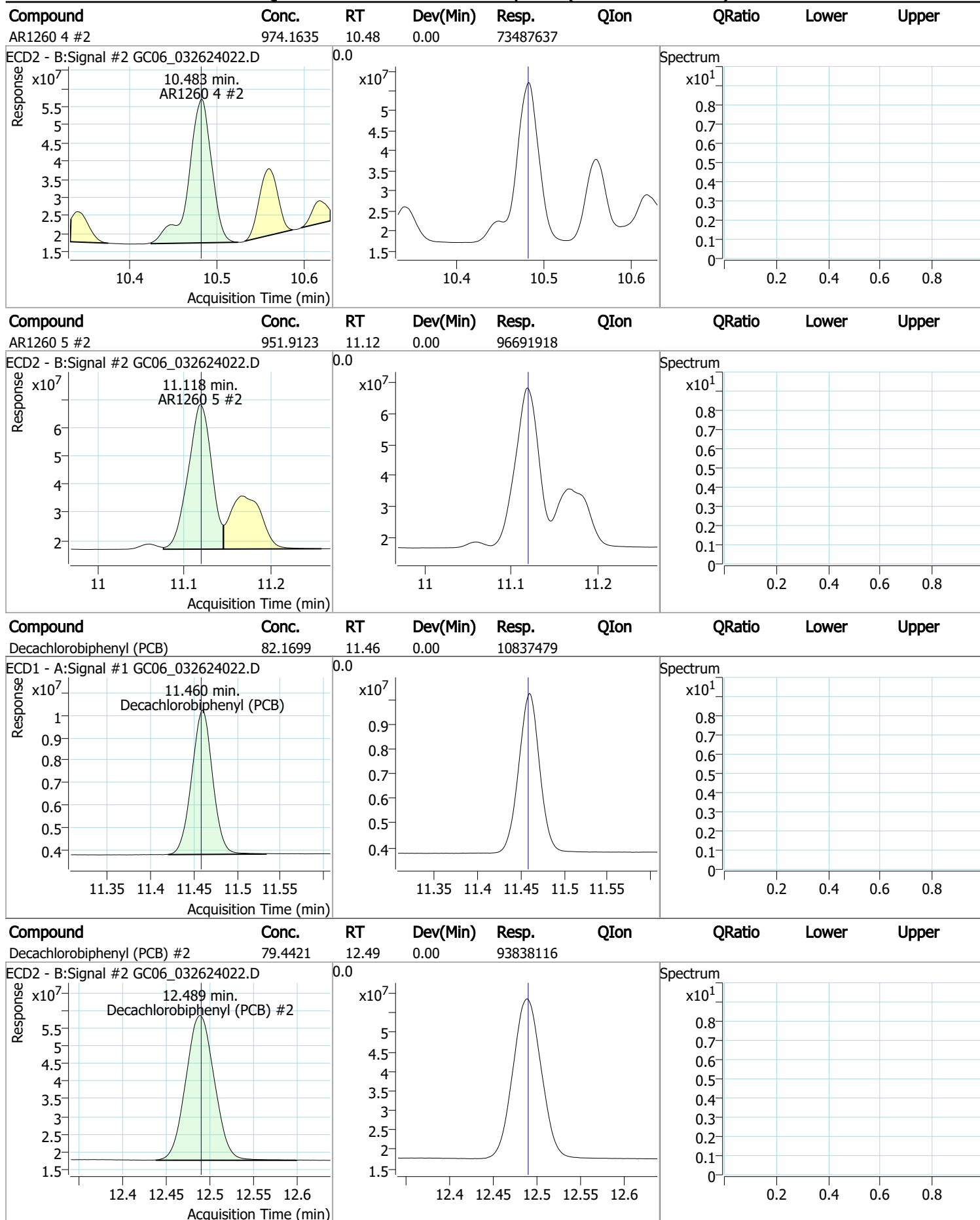
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1260 1 #2 | 935.7096 | 9.20 | 0.00     | 75674574 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



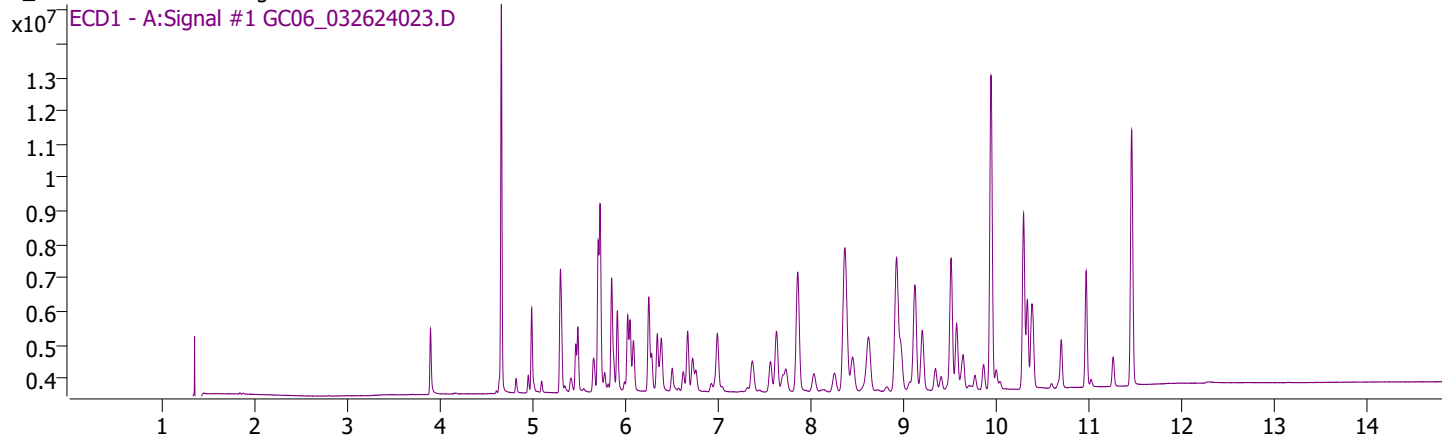
# Quantitation Results Report (Not Reviewed)



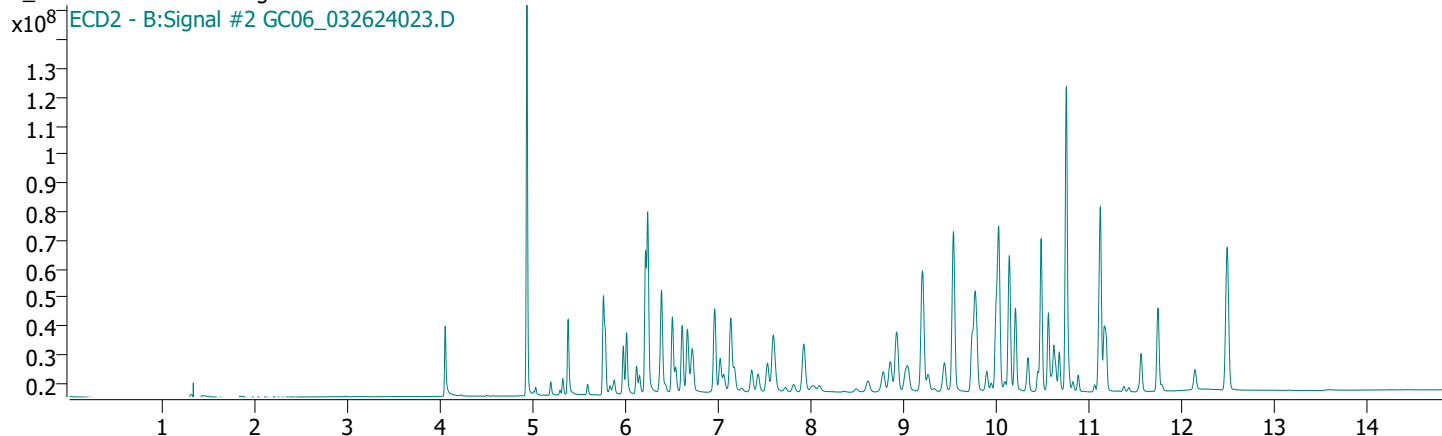
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624023.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 4:57:10 PM  |
| Sample Name    | ICAL, S20234            | Instrument        | SVOA-GC06             |
| Vial           | 18                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 1500 ppb PCB ICAL 9   |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |

GC06\_032624023.D No MS Signals



GC06\_032624023.D No MS Signals



| Compound                           | RT                   | QIon | Resp.         | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|---------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |               |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.894                | 0.0  | 2299894.784   | 20.0000            | ng/ml | 0.001    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.053                | 0.0  | 30044671.911  | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |               |                    |       |          |
| S TCMX (PCB)                       | 4.658                | 0.0  | 11678774.087  | 112.7909           | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |               | Recovery = 563.95% | *     |          |
| S TCMX (PCB) #2                    | 4.934                | 0.0  | 143954996.222 | 110.4944           | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |               | Recovery = 552.47% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.458               | 0.0  | 13274749.908  | 96.9569            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |               | Recovery = 484.78% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.488               | 0.0  | 113588179.857 | 92.4810            | ng/ml | -0.001   |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |               | Recovery = 462.40% | *     |          |

## Target Compounds

QValue

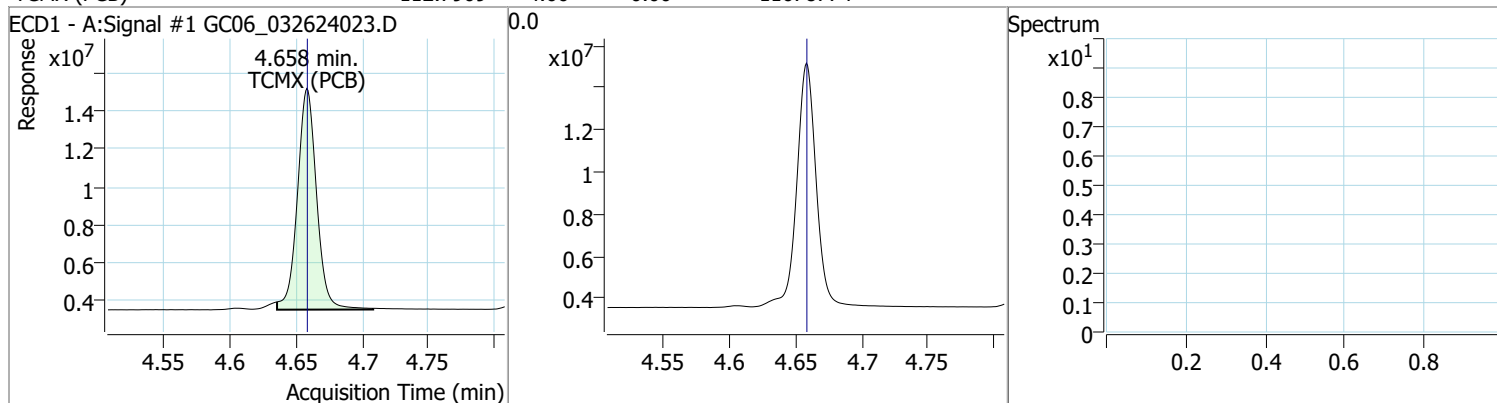
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.             | Conc.     | Units   | Dev(Min) |
|---------------|--------|------|-------------------|-----------|---------|----------|
| T AR1016 1    | 4.986  | 0.0  | 3141529.72<br>7   | 1270.6638 | ng/ml   | 100      |
| T AR1016 2    | 5.297  | 0.0  | 5870109.72<br>2   | 1293.2692 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.379  | 0.0  | 35267375.3<br>59  | 1270.2997 | ng/ml   | 100      |
| T AR1016 3    | 5.723  | 0.0  | 7663517.51<br>8   | 1312.6160 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.760  | 0.0  | 69976421.7<br>19  | 1259.8790 | ng/ml   | 100      |
| T AR1016 4    | 5.848  | 0.0  | 5258311.73<br>4   | 1275.6673 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.238  | 0.0  | 98636715.9<br>22  | 1282.1631 | ng/ml   | 100      |
| T AR1016 5    | 6.249  | 0.0  | 4386304.94<br>6   | 1270.1201 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.386  | 0.0  | 67751509.6<br>45  | 1332.3241 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.960  | 0.0  | 53402837.4<br>97  | 1254.5324 | ng/ml   | 100      |
| T AR1260 1    | 7.857  | 0.0  | 8655859.19<br>5   | 1230.5970 | ng/ml   | 100      |
| T AR1260 2    | 8.364  | 0.0  | 13063356.6<br>94  | 1214.0003 | ng/ml   | 100      |
| T AR1260 3    | 8.923  | 0.0  | 13752148.3<br>56  | 1212.5873 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.200  | 0.0  | 100170509.<br>670 | 1191.1834 | ng/ml   | 100      |
| T AR1260 4    | 9.510  | 0.0  | 8022474.42<br>8   | 1229.7053 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.536  | 0.0  | 118177788.<br>322 | 1155.2622 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.023 | 0.0  | 150948156.<br>600 | 1196.6590 | ng/ml   | 100      |
| T AR1260 5    | 10.293 | 0.0  | 9354424.86<br>9   | 1240.7343 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.482 | 0.0  | 94607003.5<br>39  | 1206.1143 | ng/ml   | 100      |
| T AR1260 5 #2 | 11.119 | 0.0  | 123031677.<br>039 | 1164.8536 | ng/ml   | 100      |

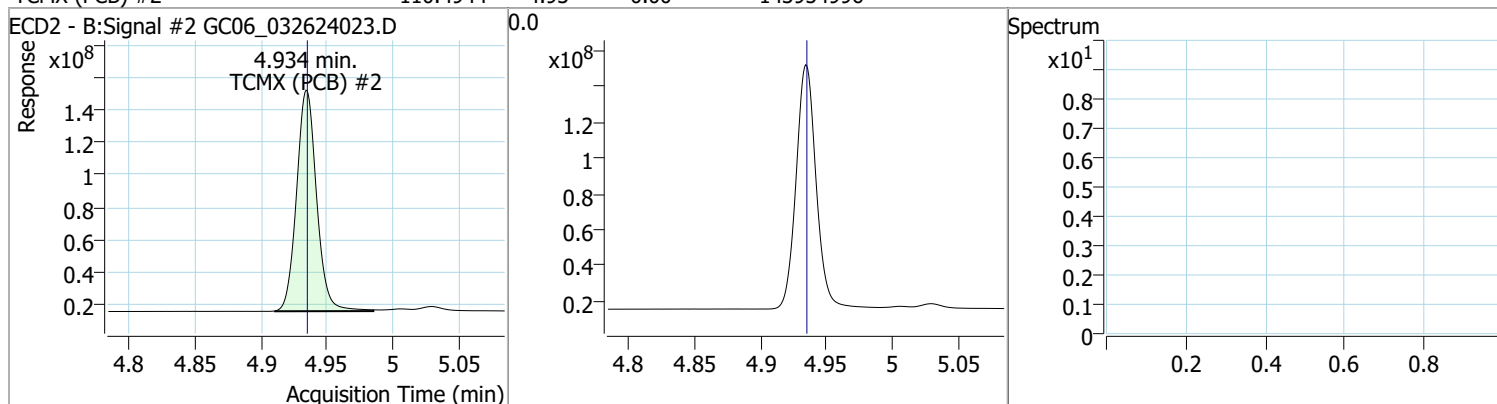
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

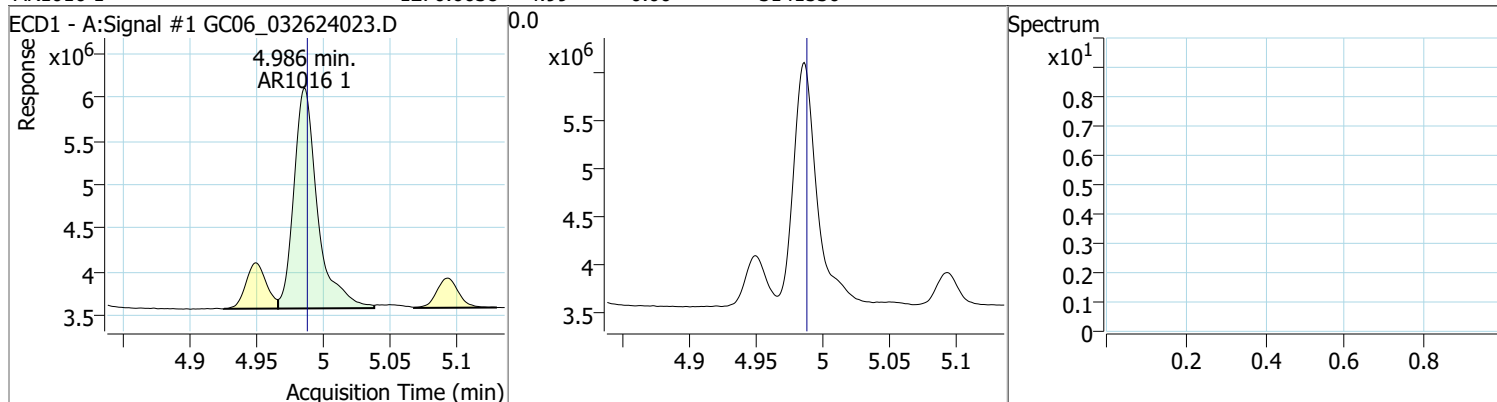
| Compound   | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) | 112.7909 | 4.66 | 0.00     | 11678774 |      |        |       |       |



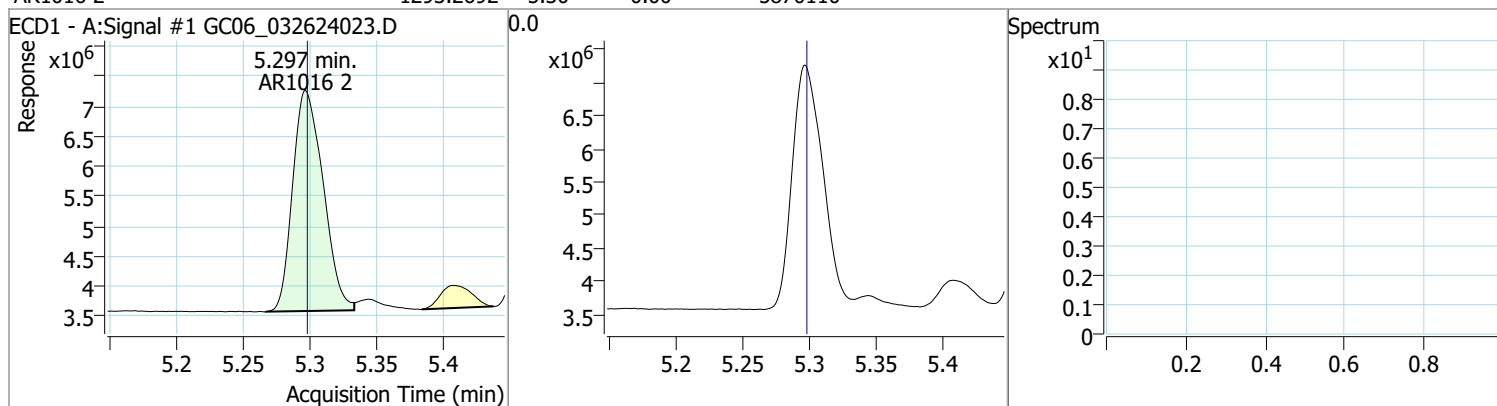
| Compound      | Conc.    | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|-----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 110.4944 | 4.93 | 0.00     | 143954996 |      |        |       |       |



| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 1270.6638 | 4.99 | 0.00     | 3141530 |      |        |       |       |

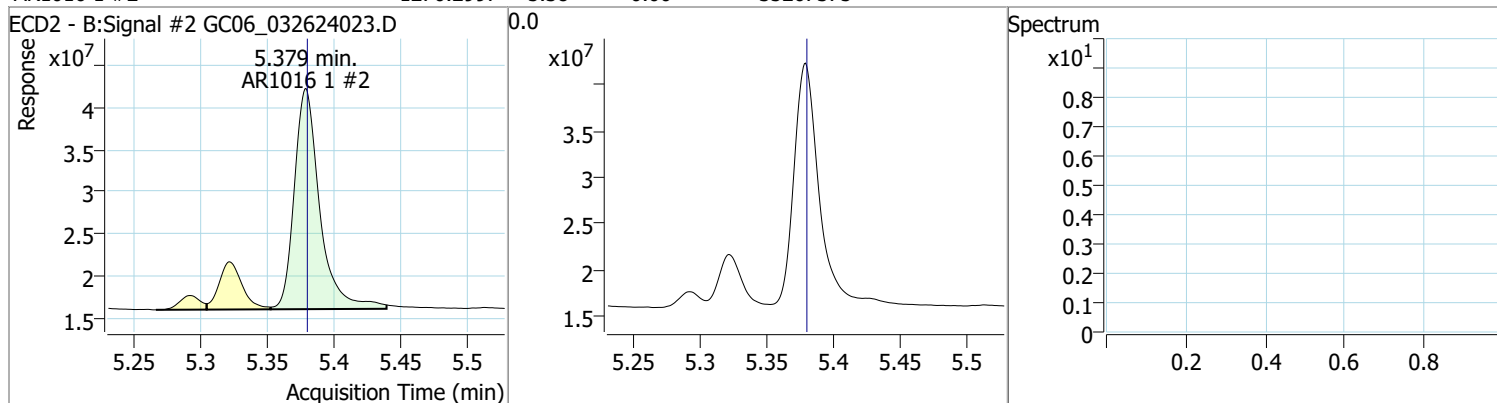


| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 1293.2692 | 5.30 | 0.00     | 5870110 |      |        |       |       |

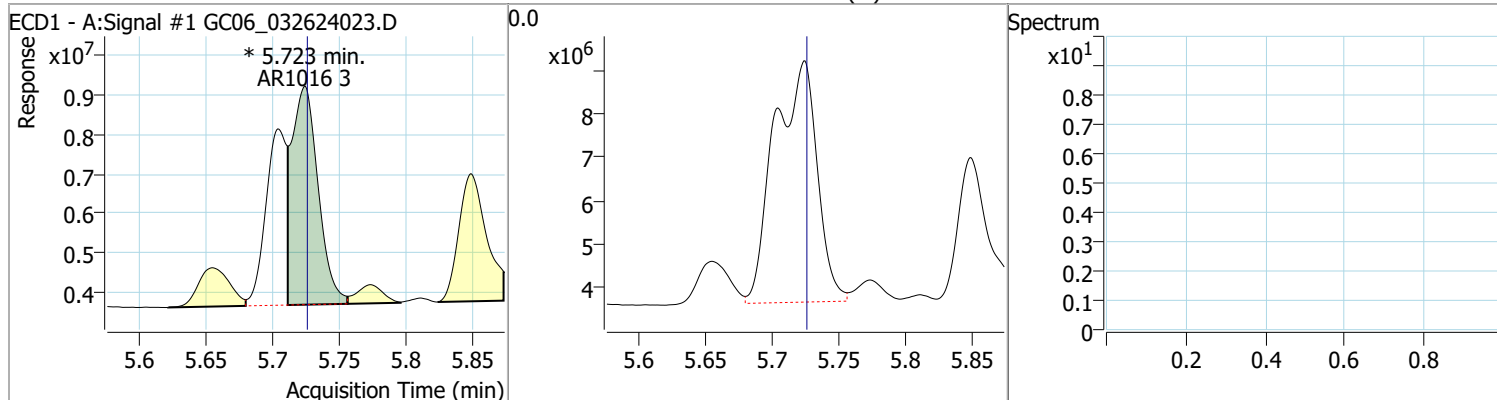


# Quantitation Results Report (Not Reviewed)

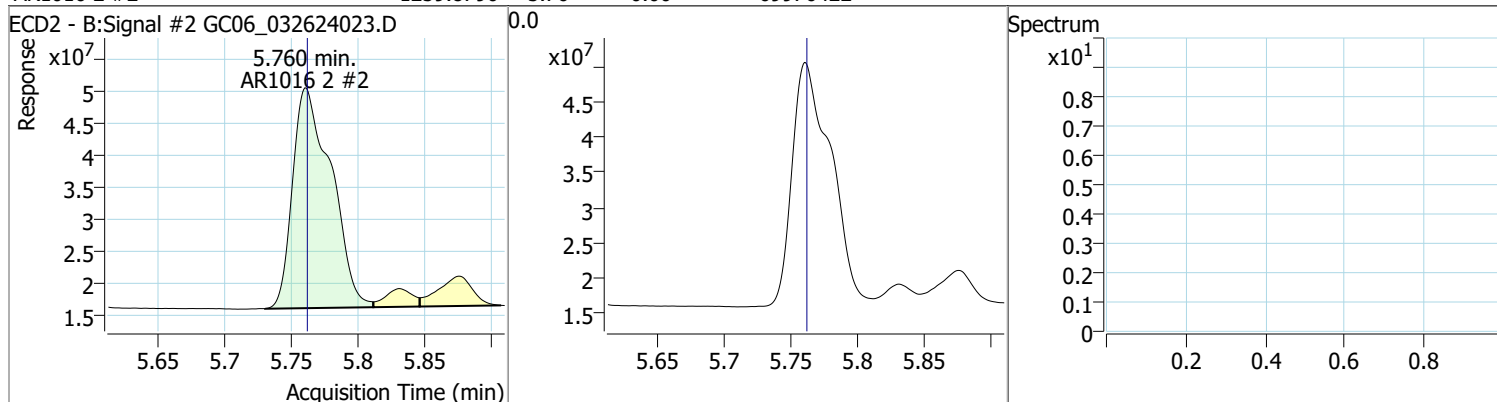
| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 1270.2997 | 5.38 | 0.00     | 35267375 |      |        |       |       |



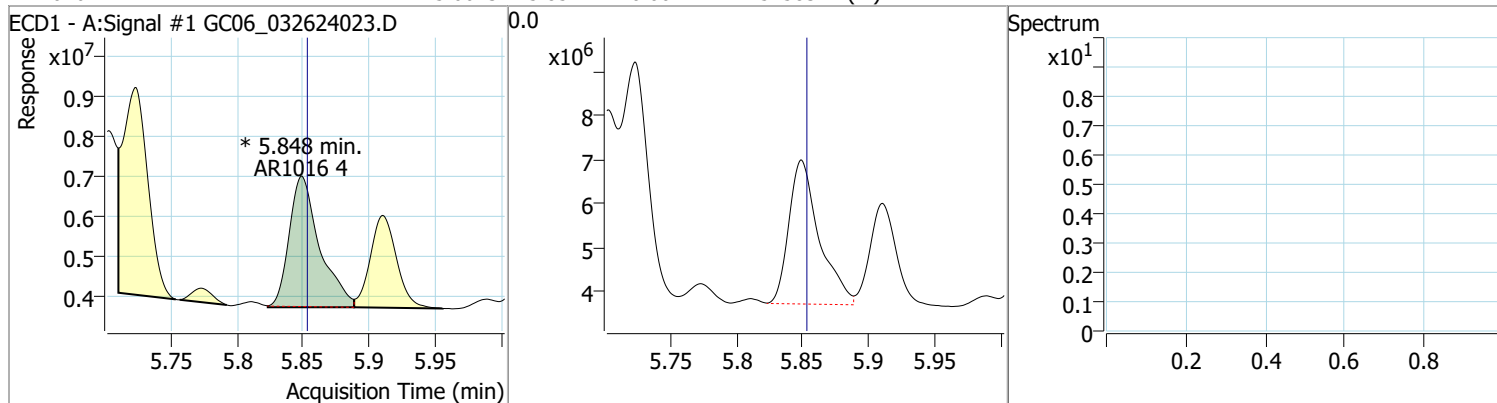
| Compound | Conc.     | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 1312.6160 | 5.72 | 0.00     | 7663518 (m) |      |        |       |       |



| Compound    | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 1259.8790 | 5.76 | 0.00     | 69976422 |      |        |       |       |

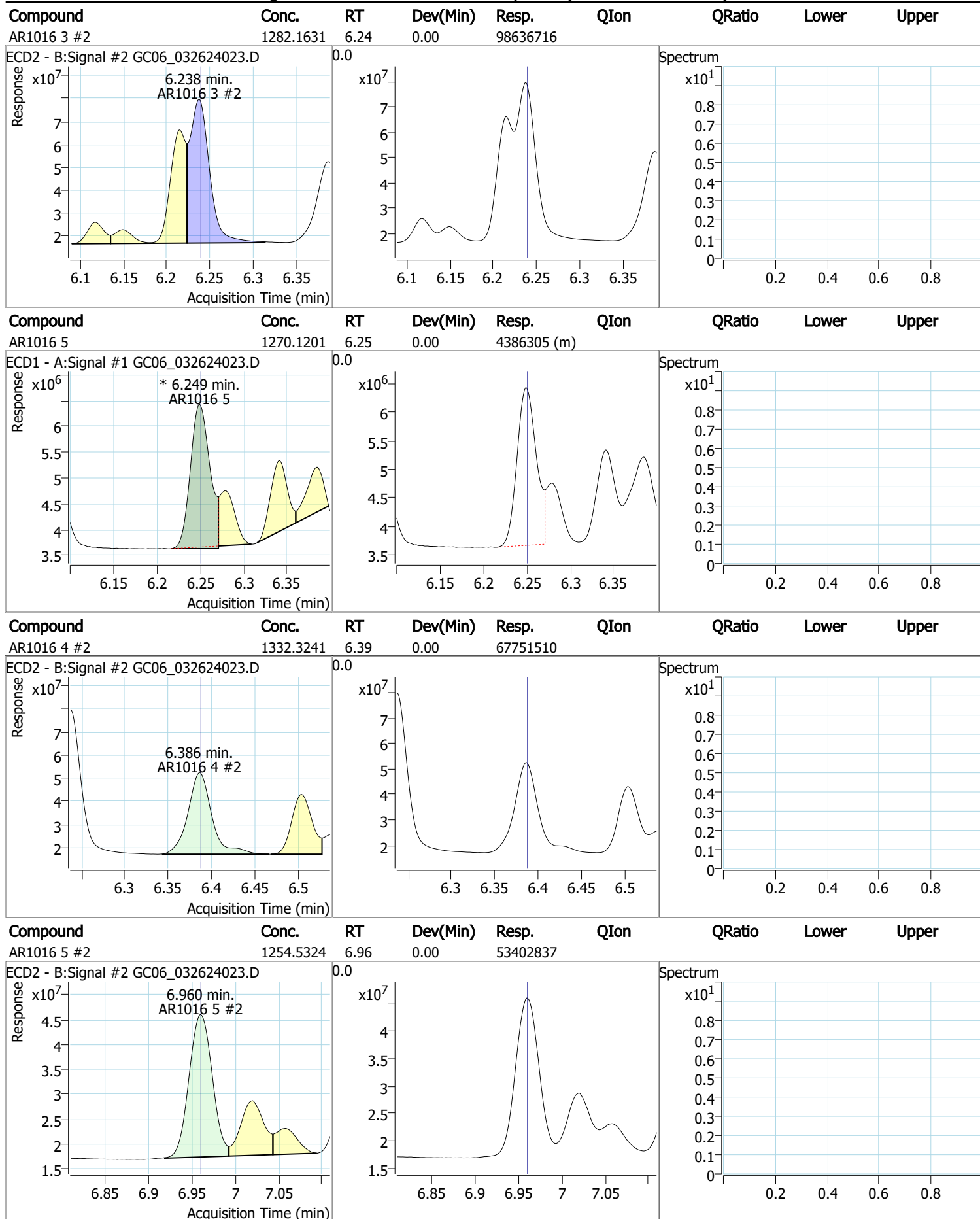


| Compound | Conc.     | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 4 | 1275.6673 | 5.85 | 0.00     | 5258312 (m) |      |        |       |       |



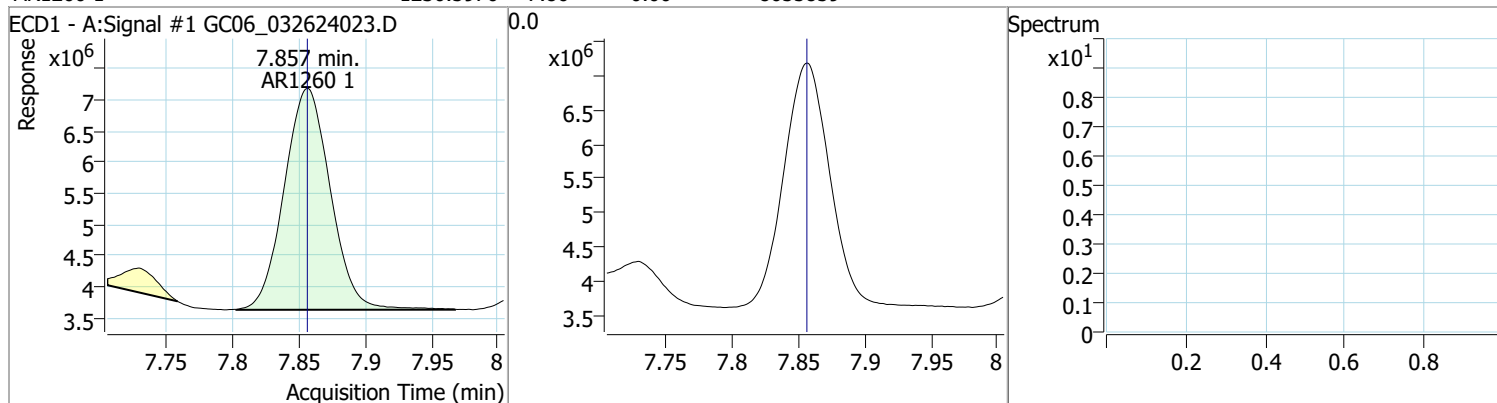


# Quantitation Results Report (Not Reviewed)

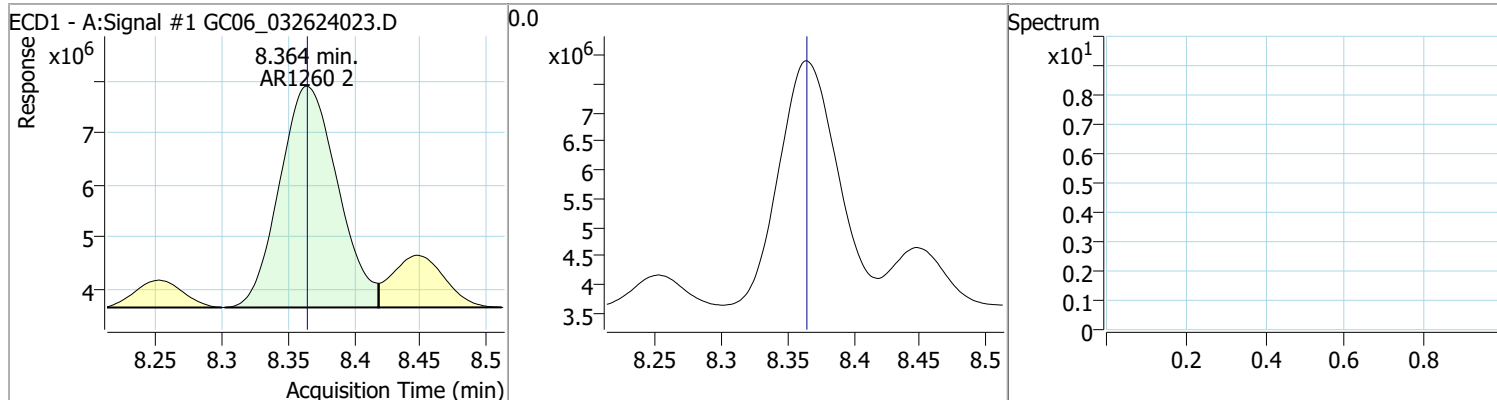


# Quantitation Results Report (Not Reviewed)

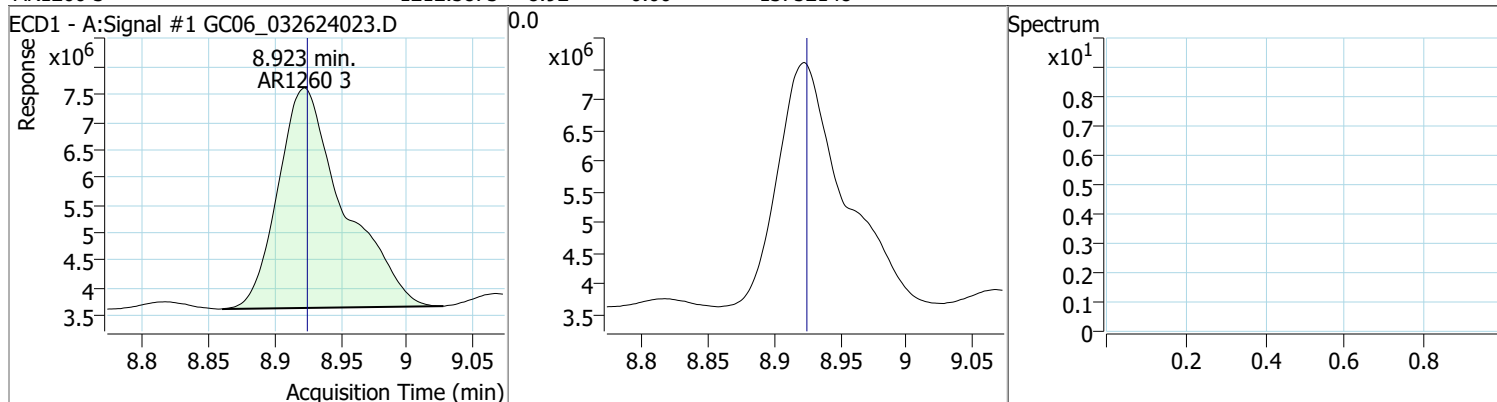
| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1260 1 | 1230.5970 | 7.86 | 0.00     | 8655859 |      |        |       |       |



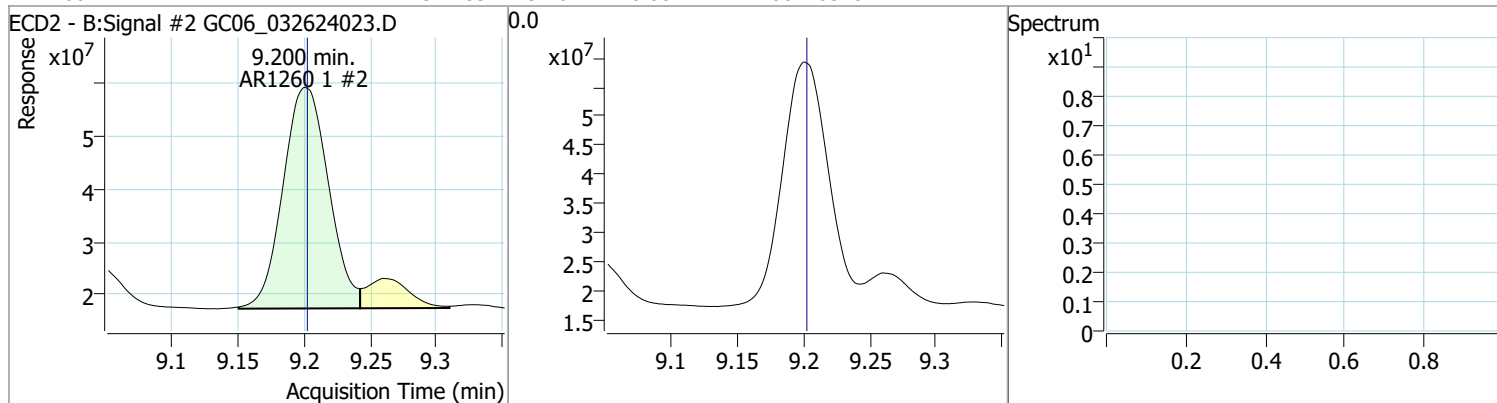
| Compound | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1260 2 | 1214.0003 | 8.36 | 0.00     | 13063357 |      |        |       |       |



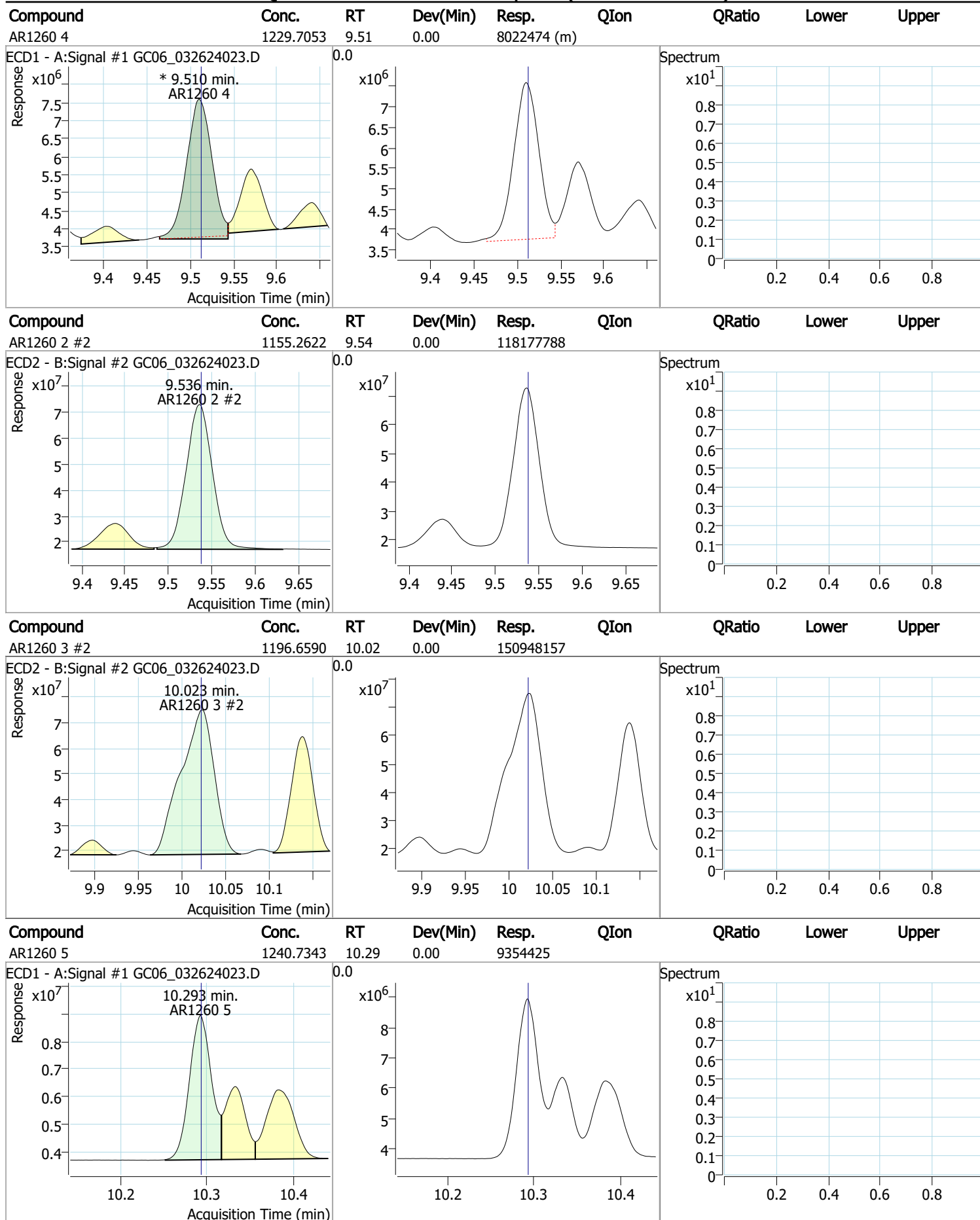
| Compound | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1260 3 | 1212.5873 | 8.92 | 0.00     | 13752148 |      |        |       |       |



| Compound    | Conc.     | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|-----------|------|--------|-------|-------|
| AR1260 1 #2 | 1191.1834 | 9.20 | 0.00     | 100170510 |      |        |       |       |

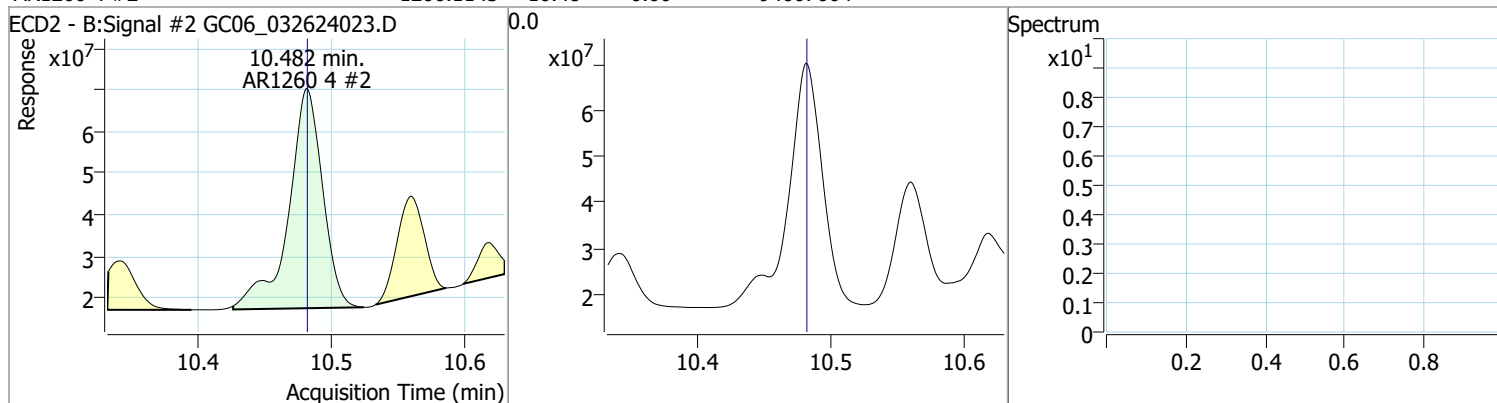


# Quantitation Results Report (Not Reviewed)

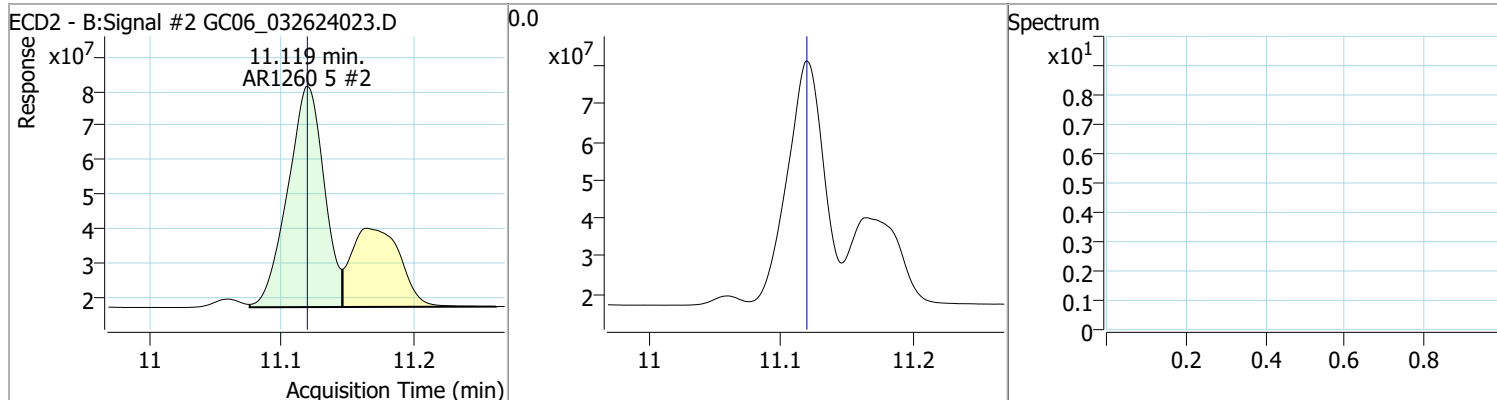


# Quantitation Results Report (Not Reviewed)

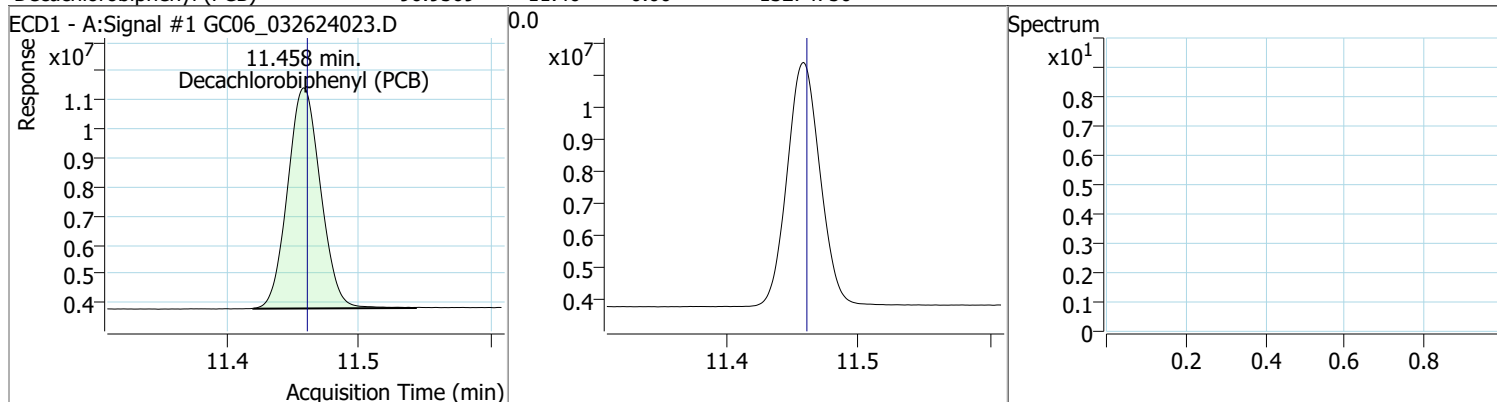
| Compound    | Conc.     | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|----------|------|--------|-------|-------|
| AR1260 4 #2 | 1206.1143 | 10.48 | 0.00     | 94607004 |      |        |       |       |



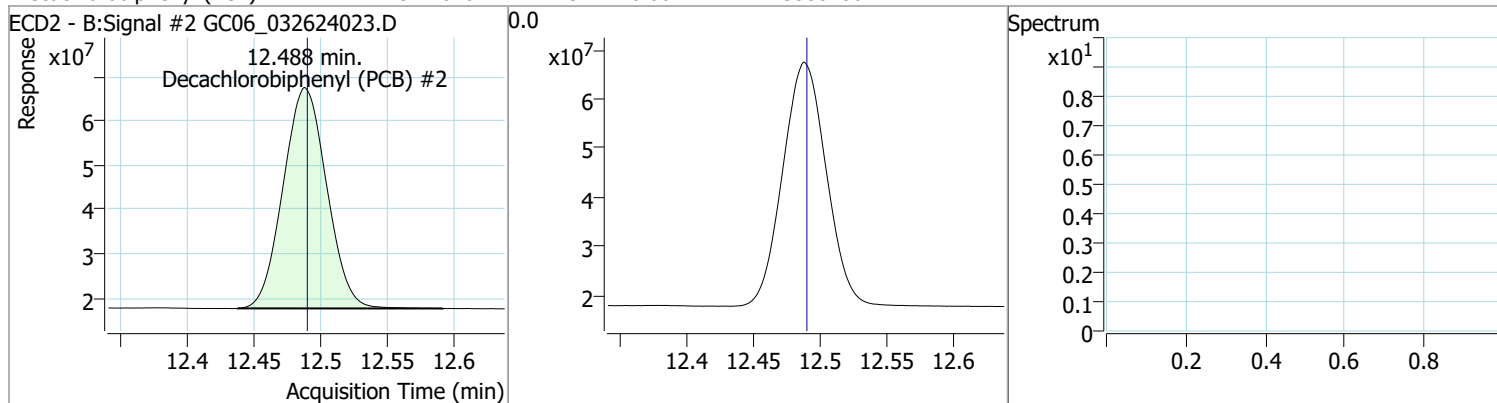
| Compound    | Conc.     | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|-----------|------|--------|-------|-------|
| AR1260 5 #2 | 1164.8536 | 11.12 | 0.00     | 123031677 |      |        |       |       |



| Compound                 | Conc.   | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------------|---------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 96.9569 | 11.46 | 0.00     | 13274750 |      |        |       |       |



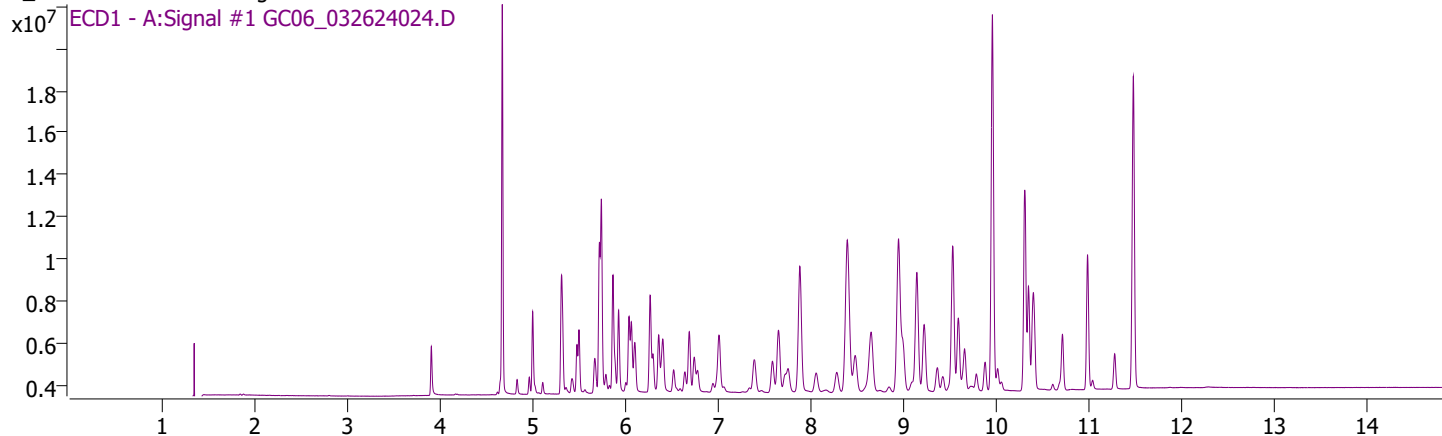
| Compound                    | Conc.   | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-----------------------------|---------|-------|----------|-----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 92.4810 | 12.49 | 0.00     | 113588180 |      |        |       |       |



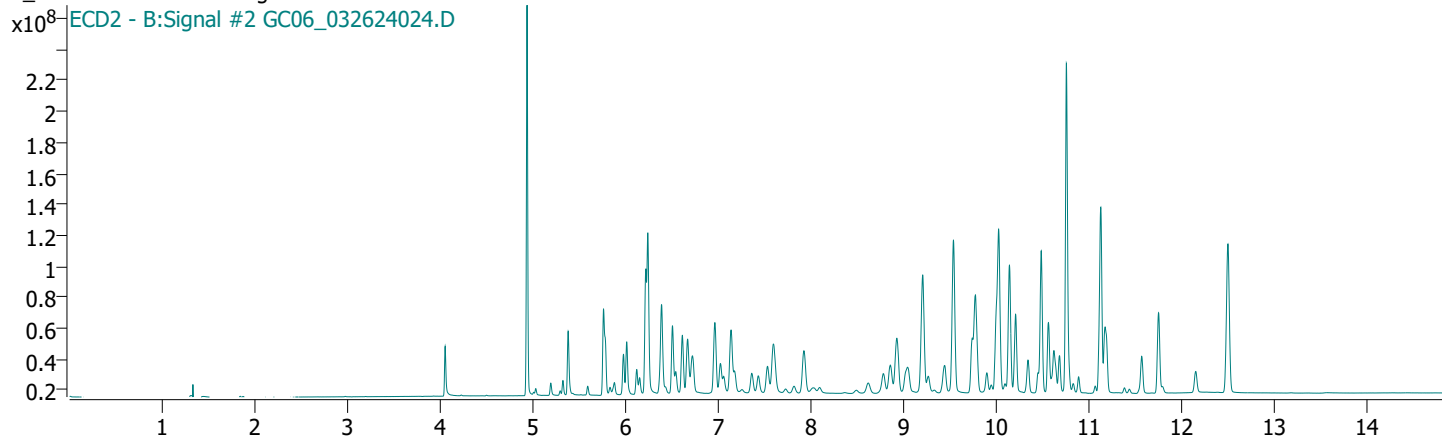
# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624024.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 7:13:45 PM  |
| Sample Name    | ICAL, S20235            | Instrument        | SVOA-GC06             |
| Vial           | 19                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 2000 ppb PCB ICAL 10  |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 10:44:12 AM |
| Ref Library    |                         |                   |                       |

GC06\_032624024.D No MS Signals



GC06\_032624024.D No MS Signals



| Compound                           | RT                   | QIon | Resp.             | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|-------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                   |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.904                | 0.0  | 2611521.53<br>9   | 20.0000            | ng/ml | 0.011    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.053                | 0.0  | 36077181.2<br>62  | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |                   |                    |       |          |
| S TCMX (PCB)                       | 4.670                | 0.0  | 18556125.8<br>62  | 157.8260           | ng/ml | 0.013    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 789.13% | *     |          |
| S TCMX (PCB) #2                    | 4.938                | 0.0  | 244661804.<br>223 | 156.3919           | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 781.96% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.482               | 0.0  | 25552167.1<br>80  | 164.3594           | ng/ml | 0.024    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 821.80% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.503               | 0.0  | 212051420.<br>981 | 143.7790           | ng/ml | 0.013    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                   | Recovery = 718.89% | *     |          |

**Target Compounds**

**QValue**

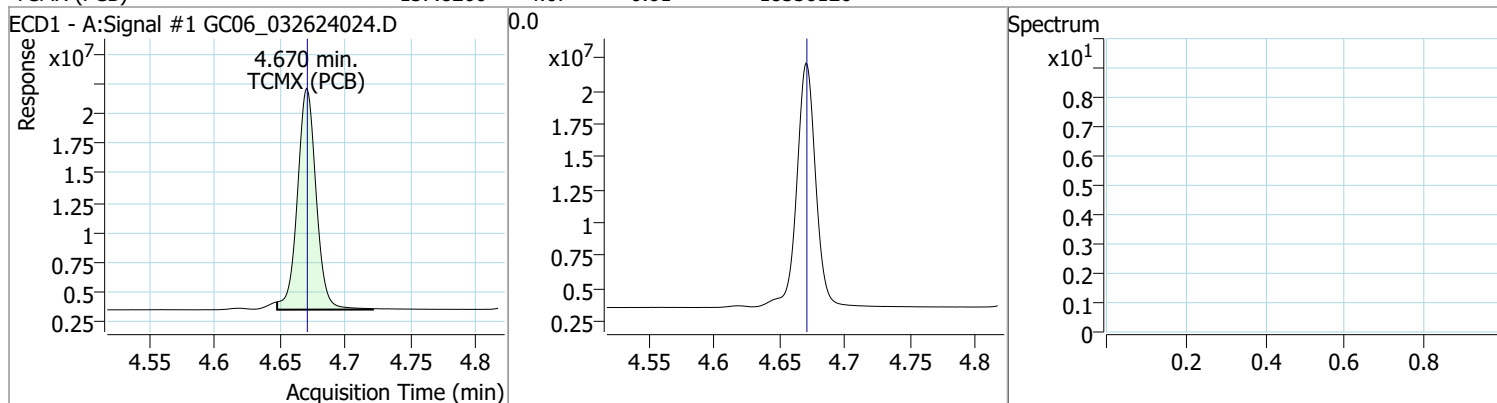
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.             | Conc.     | Units   | Dev(Min) |
|---------------|--------|------|-------------------|-----------|---------|----------|
| T AR1016 1    | 4.998  | 0.0  | 4856303.29<br>9   | 1729.8547 | ng/ml   | 100      |
| T AR1016 2    | 5.310  | 0.0  | 9118950.22<br>5   | 1769.3018 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.381  | 0.0  | 53715317.9<br>27  | 1611.2616 | ng/ml   | 100      |
| T AR1016 3    | 5.739  | 0.0  | 12023687.6<br>63  | 1813.6838 | ng/ml   | 100      |
| T AR1016 2 #2 | 5.763  | 0.0  | 109158652.<br>444 | 1636.7039 | ng/ml   | 100      |
| T AR1016 4    | 5.865  | 0.0  | 8374300.81<br>7   | 1789.1800 | ng/ml   | 100      |
| T AR1016 3 #2 | 6.241  | 0.0  | 159859148.<br>606 | 1730.5216 | ng/ml   | 100      |
| T AR1016 5    | 6.266  | 0.0  | 6947532.09<br>0   | 1771.7028 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.389  | 0.0  | 109730519.<br>044 | 1797.0213 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.964  | 0.0  | 88700632.2<br>30  | 1735.3183 | ng/ml m | 100      |
| T AR1260 1    | 7.882  | 0.0  | 14130953.2<br>52  | 1769.2593 | ng/ml   | 100      |
| T AR1260 2    | 8.394  | 0.0  | 21914061.1<br>58  | 1793.4994 | ng/ml m | 100      |
| T AR1260 3    | 8.947  | 0.0  | 24451827.4<br>44  | 1898.7516 | ng/ml   | 100      |
| T AR1260 1 #2 | 9.208  | 0.0  | 173587174.<br>933 | 1719.0609 | ng/ml   | 100      |
| T AR1260 4    | 9.532  | 0.0  | 14167130.2<br>77  | 1912.4449 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.539  | 0.0  | 205886947.<br>374 | 1676.1326 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.028 | 0.0  | 266717883.<br>539 | 1760.8793 | ng/ml   | 100      |
| T AR1260 5    | 10.309 | 0.0  | 17040187.9<br>83  | 1990.4462 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.488 | 0.0  | 170285214.<br>327 | 1807.9108 | ng/ml   | 100      |
| T AR1260 5 #2 | 11.130 | 0.0  | 224128870.<br>962 | 1767.2056 | ng/ml   | 100      |

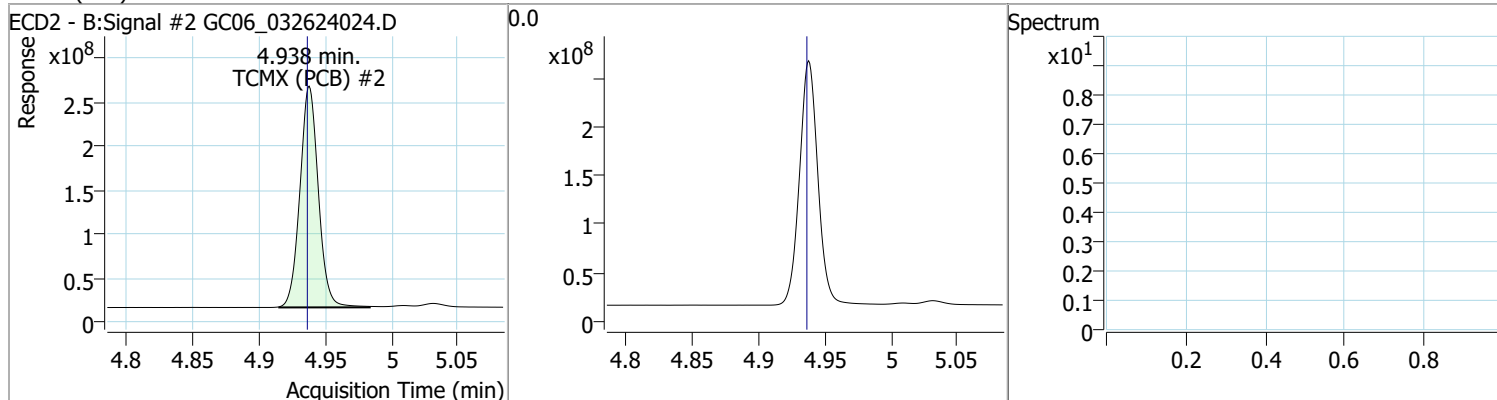
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

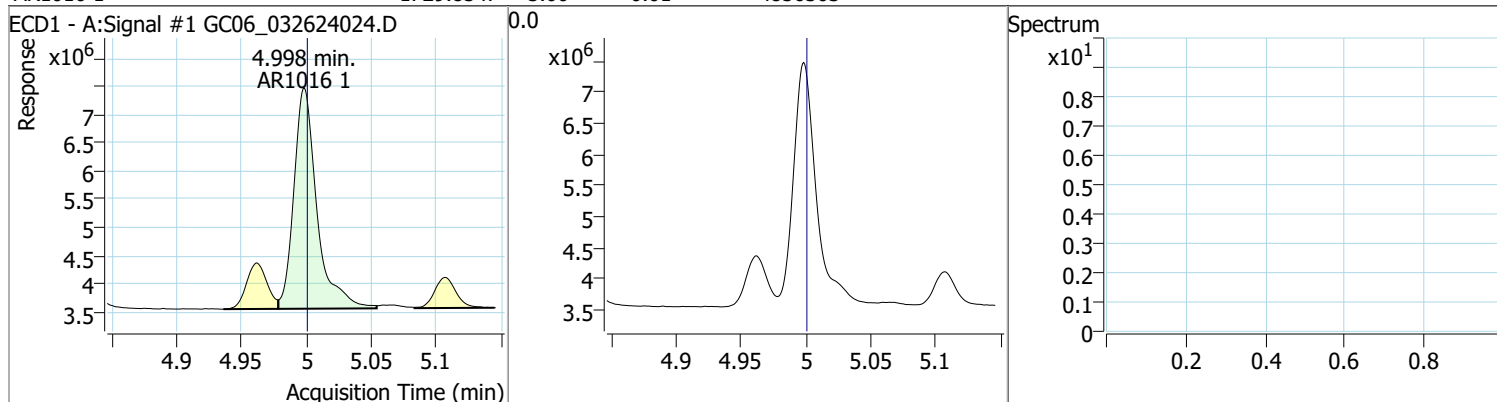
| Compound   | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) | 157.8260 | 4.67 | 0.01     | 18556126 |      |        |       |       |



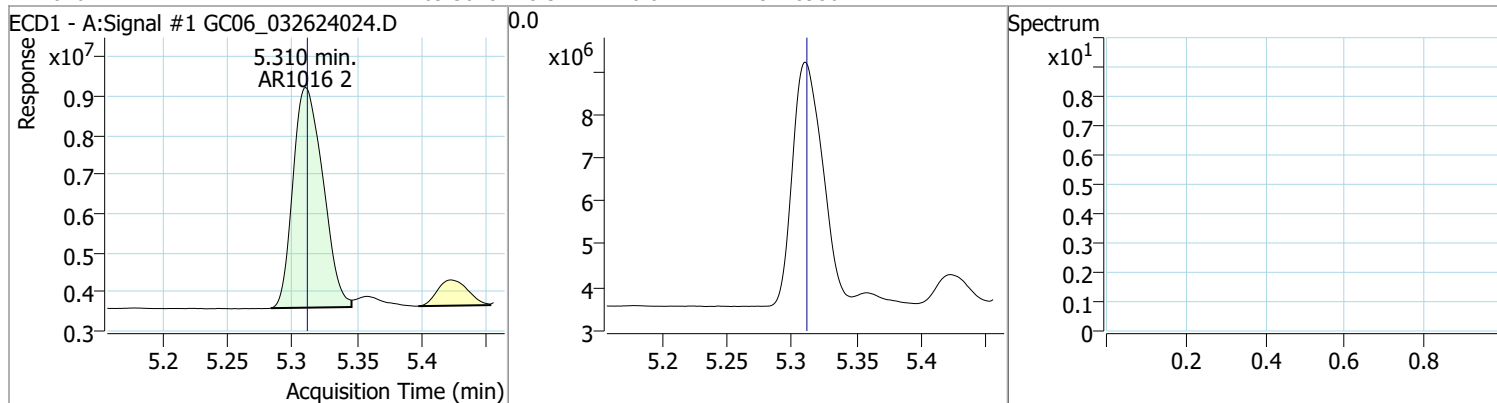
| Compound      | Conc.    | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|-----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 156.3919 | 4.94 | 0.00     | 244661804 |      |        |       |       |



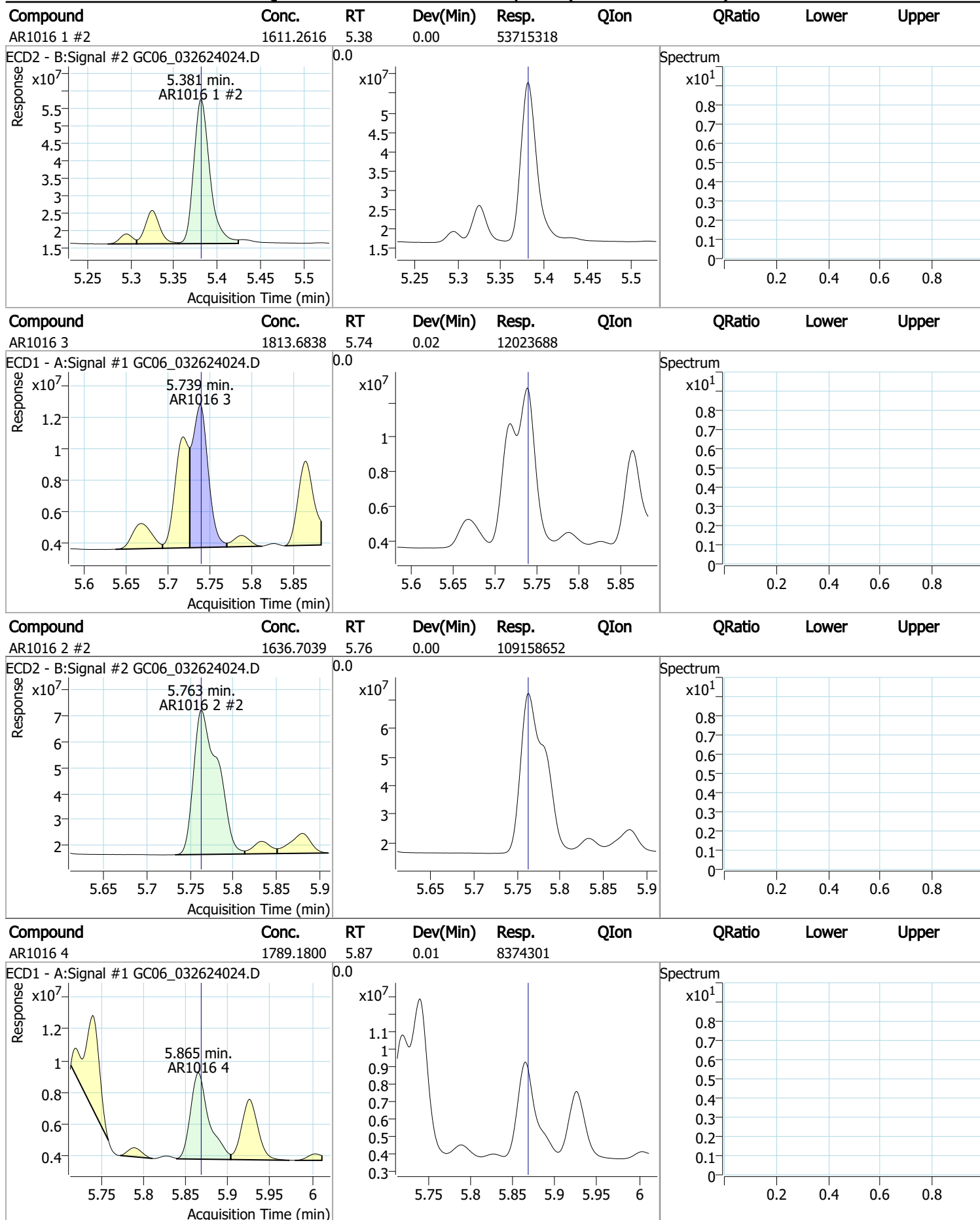
| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 1729.8547 | 5.00 | 0.01     | 4856303 |      |        |       |       |



| Compound | Conc.     | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 1769.3018 | 5.31 | 0.01     | 9118950 |      |        |       |       |

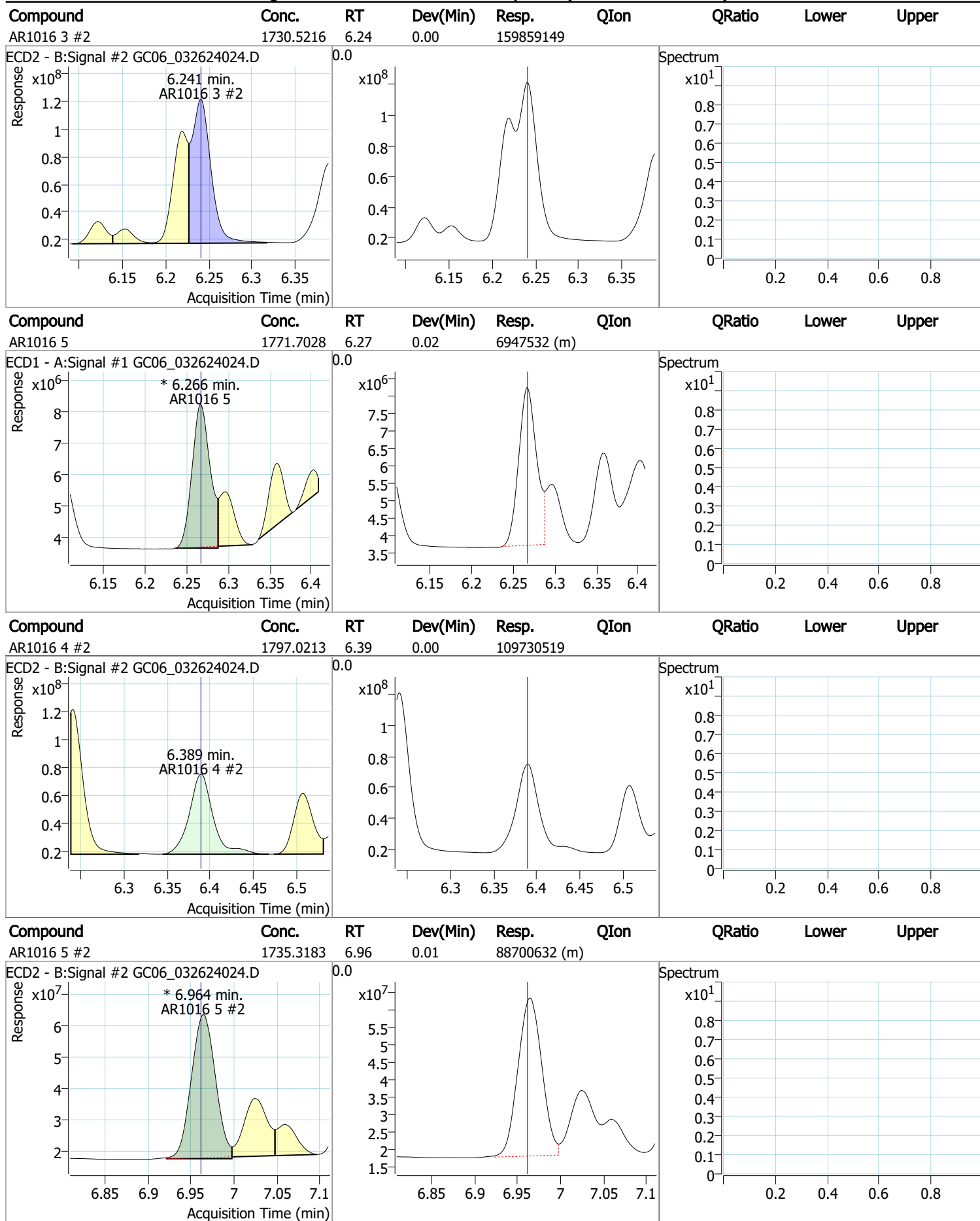


# Quantitation Results Report (Not Reviewed)



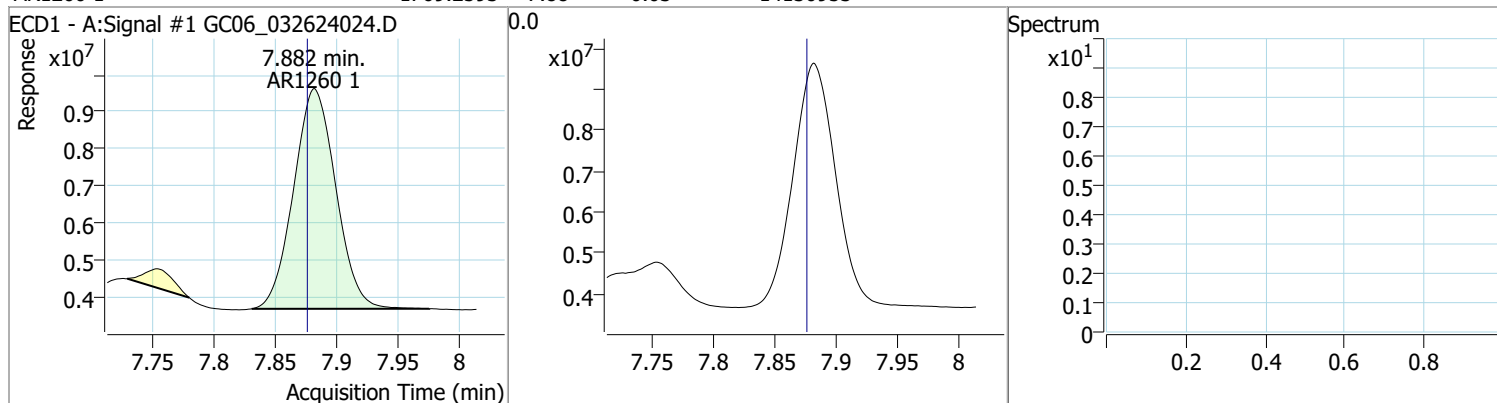


# Quantitation Results Report (Not Reviewed)

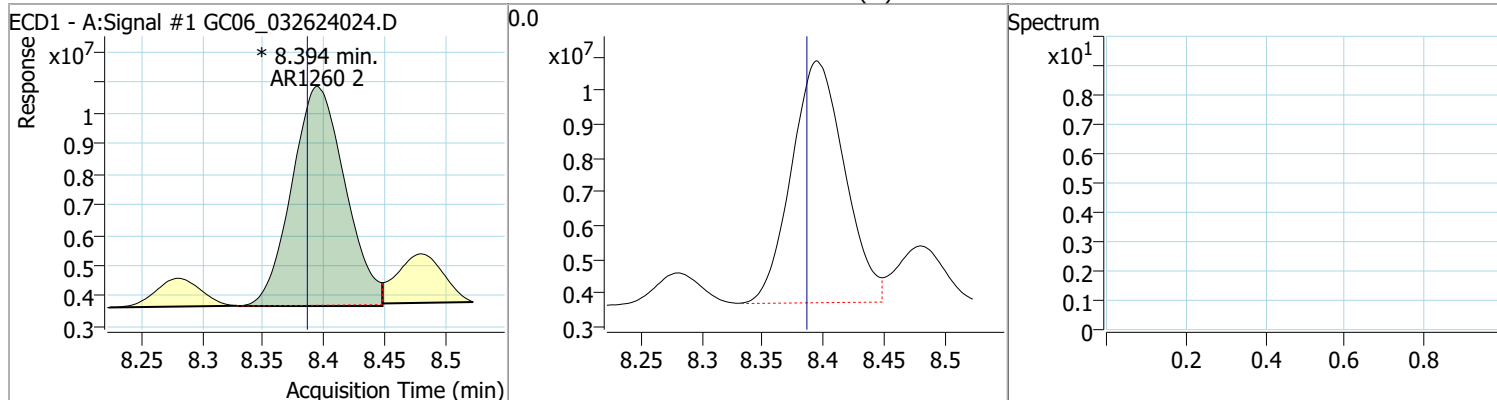


# Quantitation Results Report (Not Reviewed)

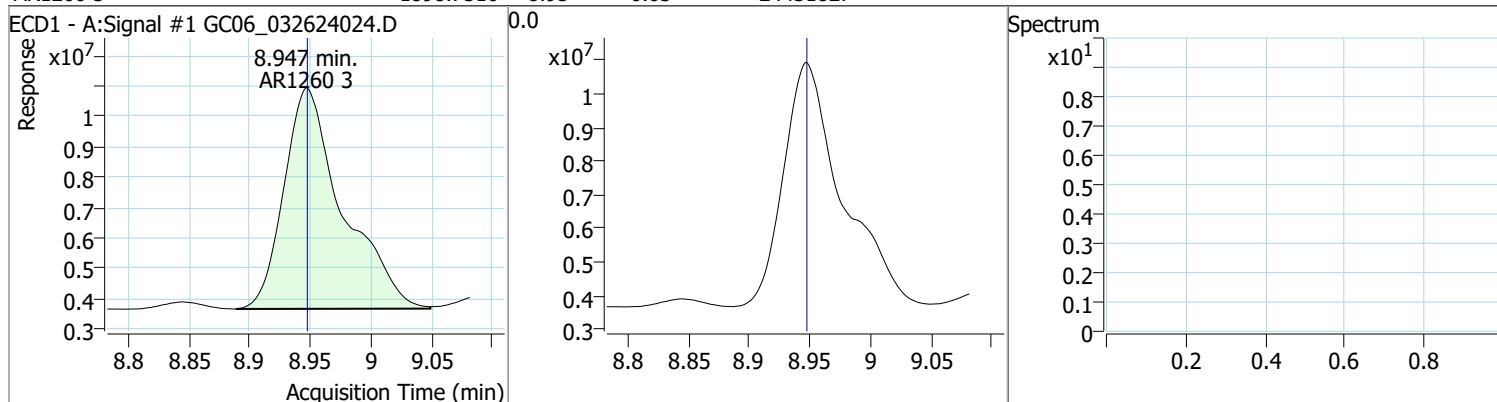
| Compound | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1260 1 | 1769.2593 | 7.88 | 0.03     | 14130953 |      |        |       |       |



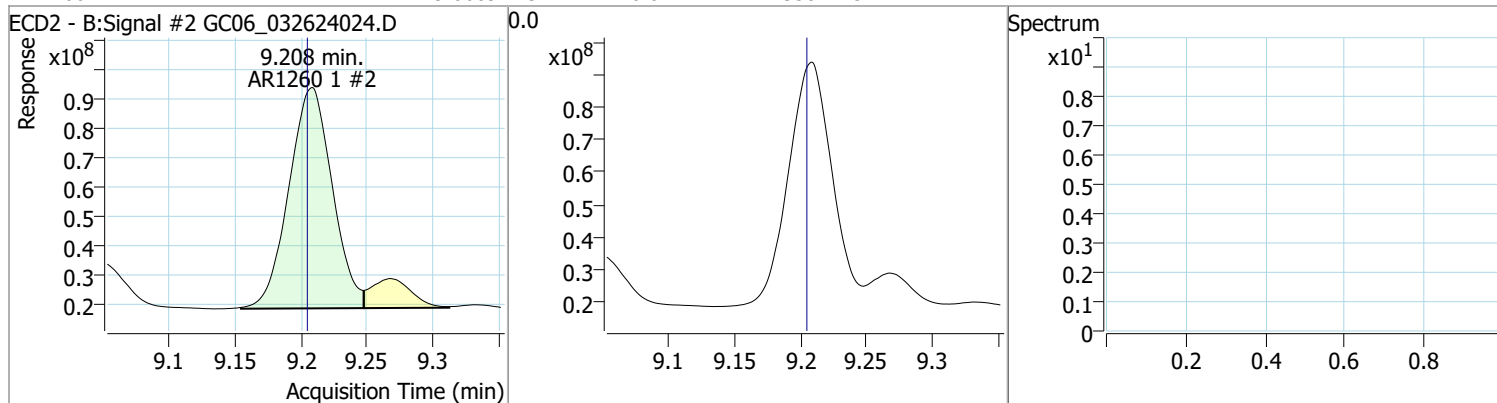
| Compound | Conc.     | RT   | Dev(Min) | Resp.        | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|--------------|------|--------|-------|-------|
| AR1260 2 | 1793.4994 | 8.39 | 0.03     | 21914061 (m) |      |        |       |       |



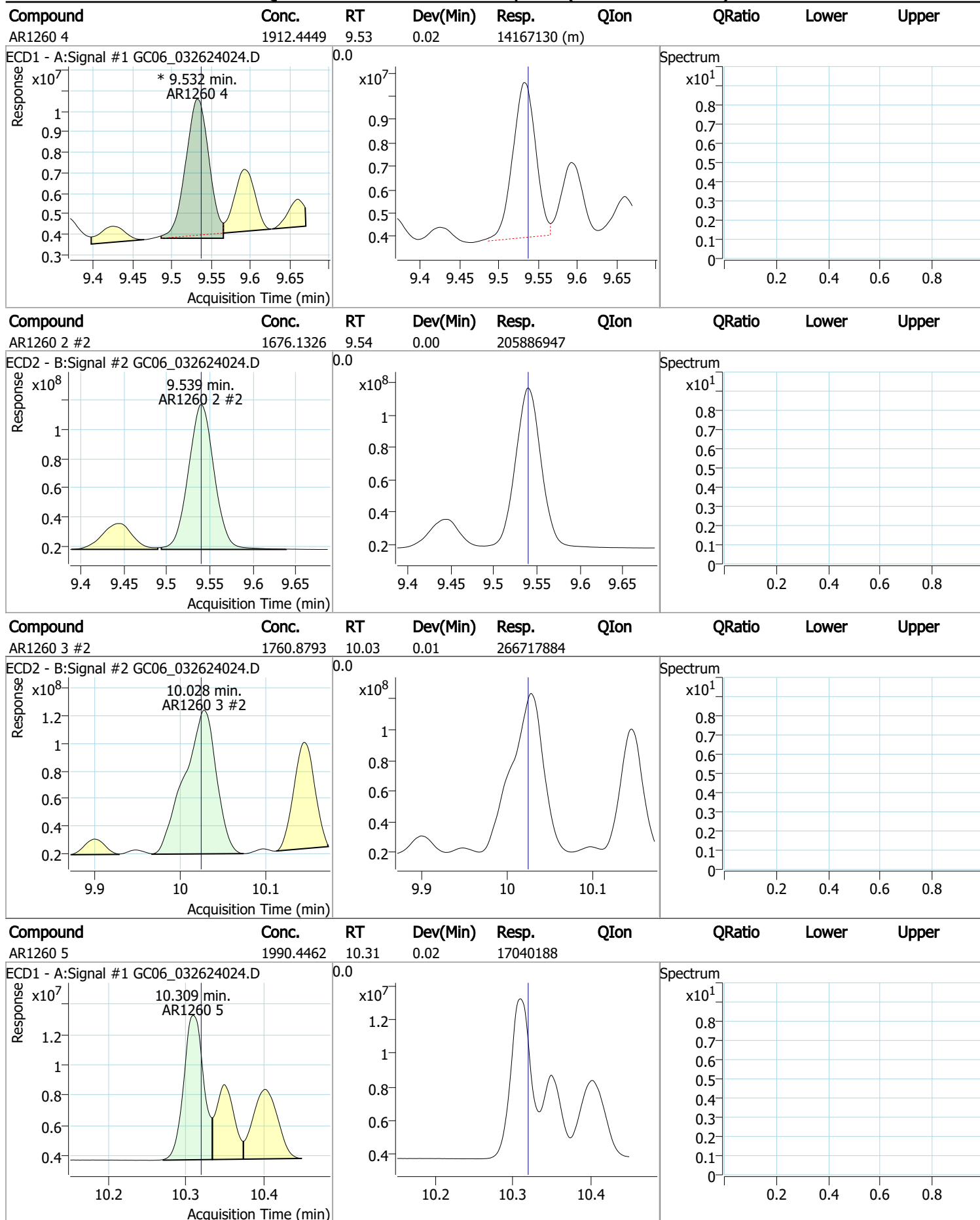
| Compound | Conc.     | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|-----------|------|----------|----------|------|--------|-------|-------|
| AR1260 3 | 1898.7516 | 8.95 | 0.03     | 24451827 |      |        |       |       |



| Compound    | Conc.     | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|------|----------|-----------|------|--------|-------|-------|
| AR1260 1 #2 | 1719.0609 | 9.21 | 0.01     | 173587175 |      |        |       |       |

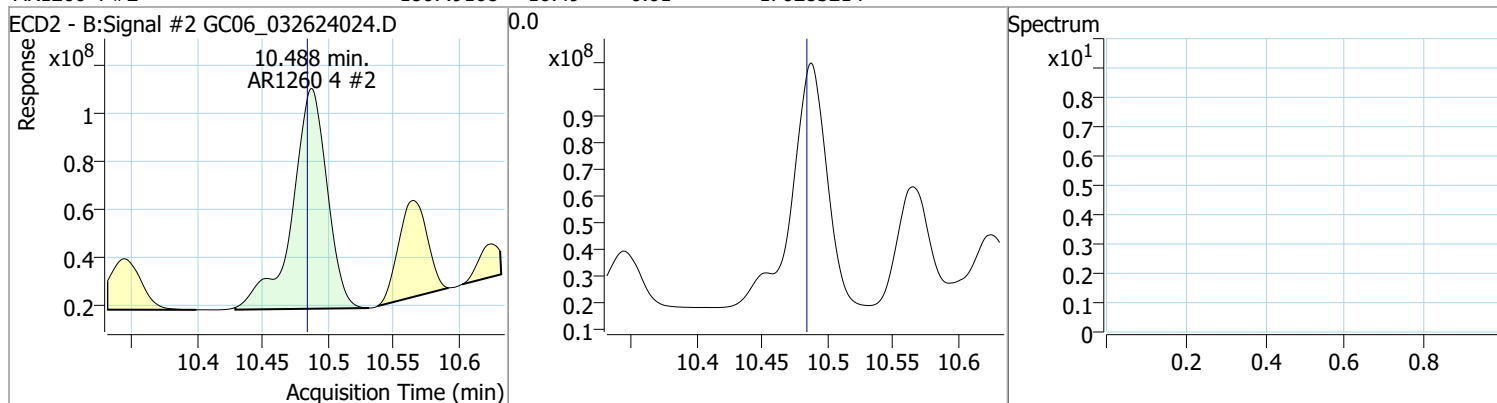


# Quantitation Results Report (Not Reviewed)

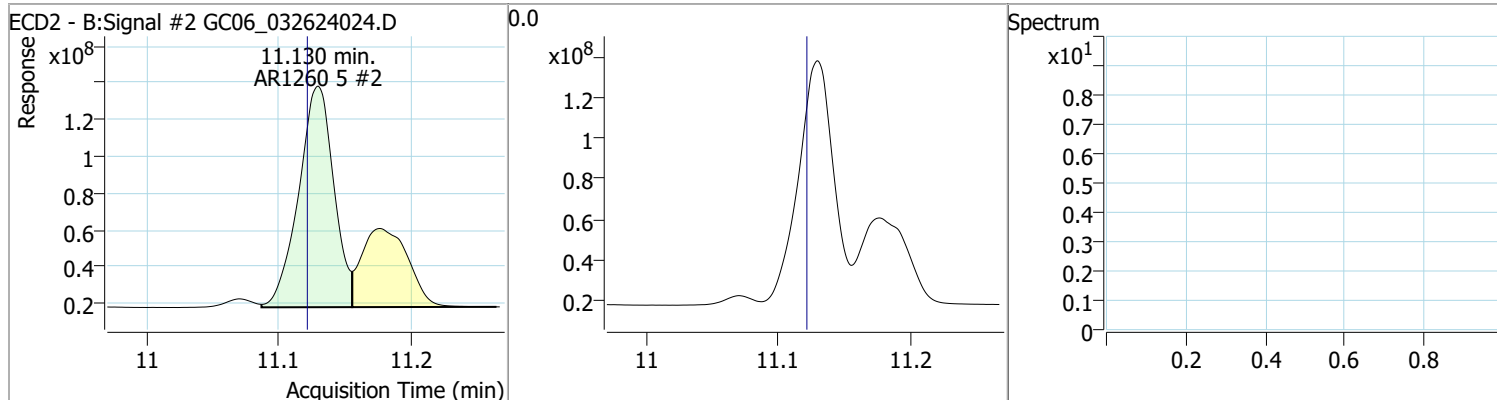


# Quantitation Results Report (Not Reviewed)

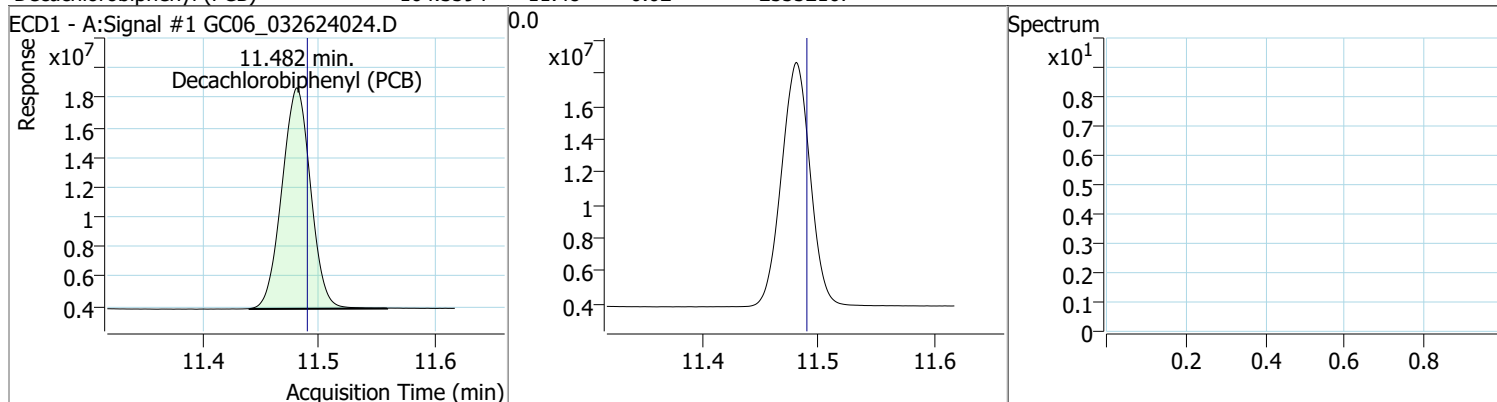
| Compound    | Conc.     | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|-----------|------|--------|-------|-------|
| AR1260 4 #2 | 1807.9108 | 10.49 | 0.01     | 170285214 |      |        |       |       |



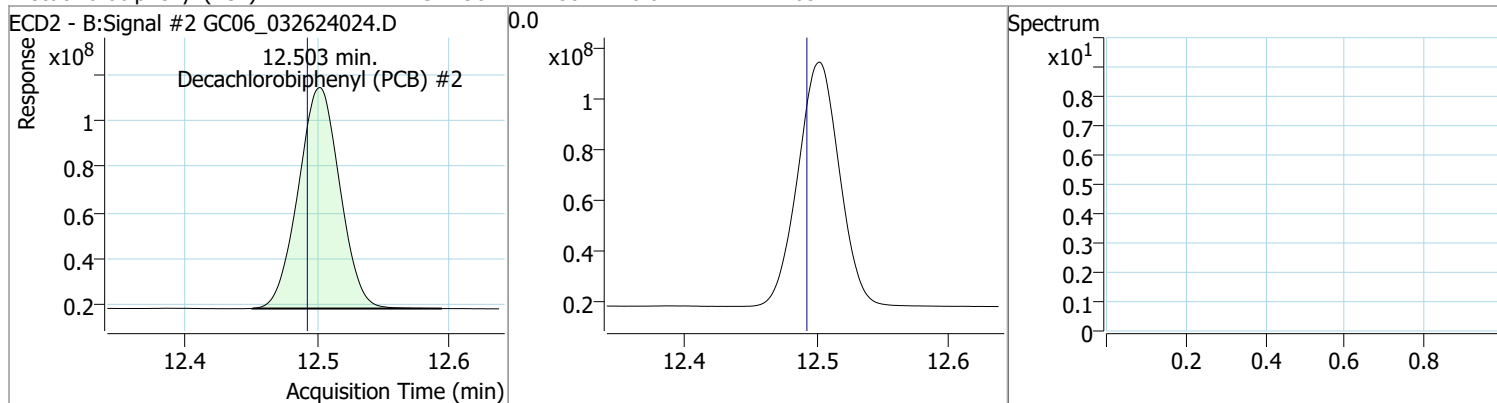
| Compound    | Conc.     | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-------------|-----------|-------|----------|-----------|------|--------|-------|-------|
| AR1260 5 #2 | 1767.2056 | 11.13 | 0.01     | 224128871 |      |        |       |       |



| Compound                 | Conc.    | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------------|----------|-------|----------|----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) | 164.3594 | 11.48 | 0.02     | 25552167 |      |        |       |       |



| Compound                    | Conc.    | RT    | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|-----------------------------|----------|-------|----------|-----------|------|--------|-------|-------|
| Decachlorobiphenyl (PCB) #2 | 143.7790 | 12.50 | 0.01     | 212051421 |      |        |       |       |

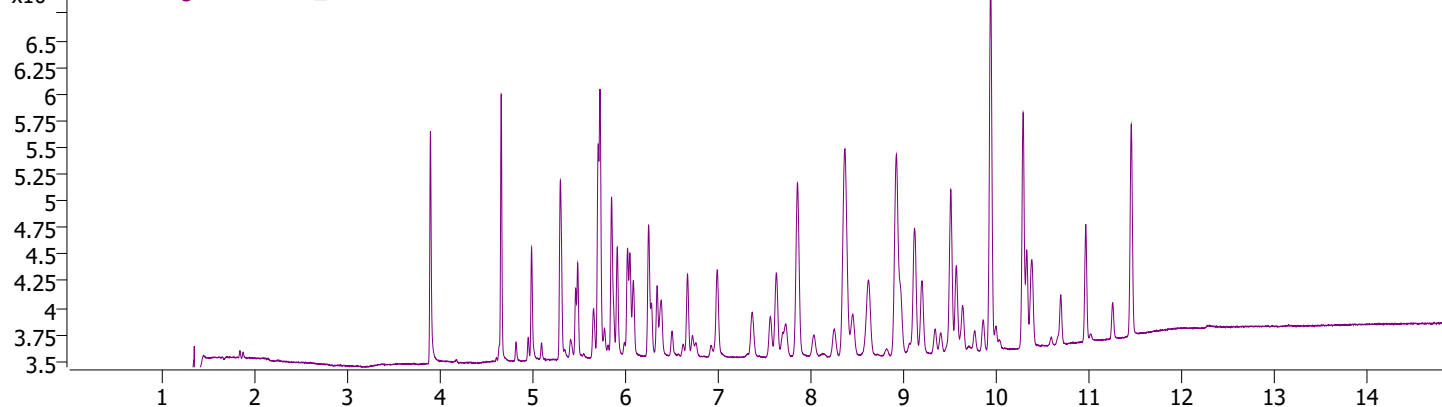


# Quantitation Results Report (Not Reviewed)

|                |                         |                   |                       |
|----------------|-------------------------|-------------------|-----------------------|
| Data File      | GC06_032624026.D        | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3  | Acq. Date-Time    | 3/26/2024 7:53:43 PM  |
| Sample Name    | ICV, S20242             | Instrument        | SVOA-GC06             |
| Vial           | 20                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_1.m | Comment           | 500 ppb PCB ICV       |
| Tune File      | ATUNE.U                 | Tune Date         |                       |
| Batch Name     | 032624_PCB.batch.bin    | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                         |                   |                       |

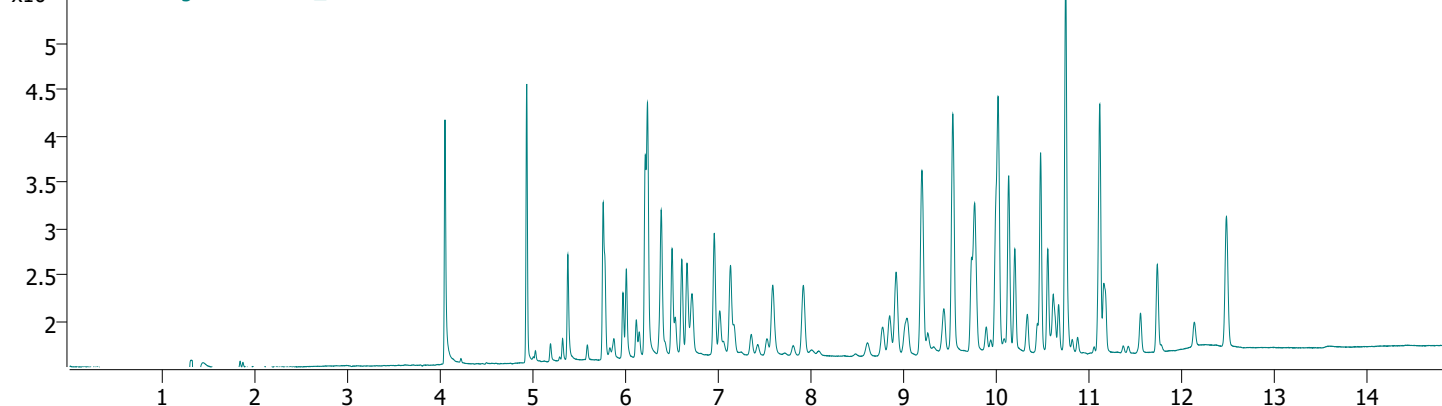
GC06\_032624026.D No MS Signals

x10<sup>6</sup> ECD1 - A:Signal #1 GC06\_032624026.D



GC06\_032624026.D No MS Signals

x10<sup>7</sup> ECD2 - B:Signal #2 GC06\_032624026.D



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.897                | 0.0  | 2501788.55<br>2  | 20.0000            | ng/ml | 0.003    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 4.053                | 0.0  | 32639189.6<br>75 | 20.0000            | ng/ml | 0.001    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.660                | 0.0  | 2625273.27<br>5  | 23.3082            | ng/ml | 0.003    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 116.54% |       |          |
| S TCMX (PCB) #2                    | 4.936                | 0.0  | 32965649.1<br>34 | 23.2918            | ng/ml | 0.002    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 116.46% |       |          |
| S Decachlorobiphenyl (PCB)         | 11.463               | 0.0  | 3426480.39<br>2  | 23.0069            | ng/ml | 0.005    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 115.03% |       |          |
| S Decachlorobiphenyl (PCB) #2      | 12.490               | 0.0  | 31150027.2<br>22 | 23.3456            | ng/ml | 0.001    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 116.73% |       |          |

## Target Compounds

QValue

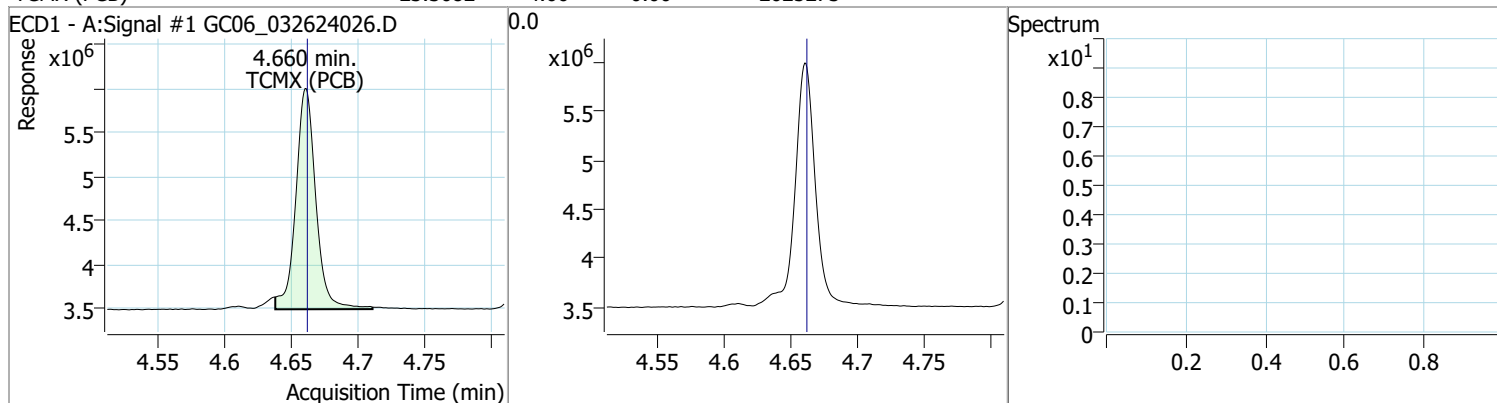
# Quantitation Results Report (Not Reviewed)

| Compound      | RT     | QIon | Resp.            | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|------------------|----------|---------|----------|
| T AR1016 1    | 4.988  | 0.0  | 1356209.07<br>0  | 504.2820 | ng/ml   | 100      |
| T AR1016 2    | 5.299  | 0.0  | 2707078.36<br>6  | 522.8508 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.380  | 0.0  | 15372282.9<br>22 | 509.6823 | ng/ml   | 100      |
| T AR1016 3    | 5.727  | 0.0  | 3371099.30<br>4  | 530.8092 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.762  | 0.0  | 32573406.9<br>09 | 539.8441 | ng/ml   | 100      |
| T AR1016 4    | 5.852  | 0.0  | 2386029.21<br>9  | 532.1380 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.239  | 0.0  | 44720785.6<br>33 | 535.1089 | ng/ml m | 100      |
| T AR1016 5    | 6.252  | 0.0  | 1879986.28<br>5  | 500.4469 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.388  | 0.0  | 30347626.1<br>11 | 549.3432 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.961  | 0.0  | 23675052.4<br>83 | 511.9607 | ng/ml m | 100      |
| T AR1260 1    | 7.858  | 0.0  | 3920825.20<br>9  | 512.4370 | ng/ml   | 100      |
| T AR1260 2    | 8.372  | 0.0  | 6015413.57<br>8  | 513.9098 | ng/ml   | 100      |
| T AR1260 3    | 8.927  | 0.0  | 6440816.10<br>0  | 522.0844 | ng/ml m | 100      |
| T AR1260 1 #2 | 9.203  | 0.0  | 46887200.7<br>13 | 513.2408 | ng/ml m | 100      |
| T AR1260 4    | 9.514  | 0.0  | 3092337.20<br>1  | 435.7495 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.536  | 0.0  | 54941359.1<br>53 | 494.3929 | ng/ml   | 100      |
| T AR1260 3 #2 | 10.024 | 0.0  | 71737484.7<br>89 | 523.5002 | ng/ml m | 100      |
| T AR1260 5    | 10.295 | 0.0  | 3786973.69<br>6  | 477.9513 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.483 | 0.0  | 35006768.4<br>88 | 410.8141 | ng/ml m | 100      |
| T AR1260 5 #2 | 11.123 | 0.0  | 49190518.7<br>52 | 428.7103 | ng/ml   | 100      |

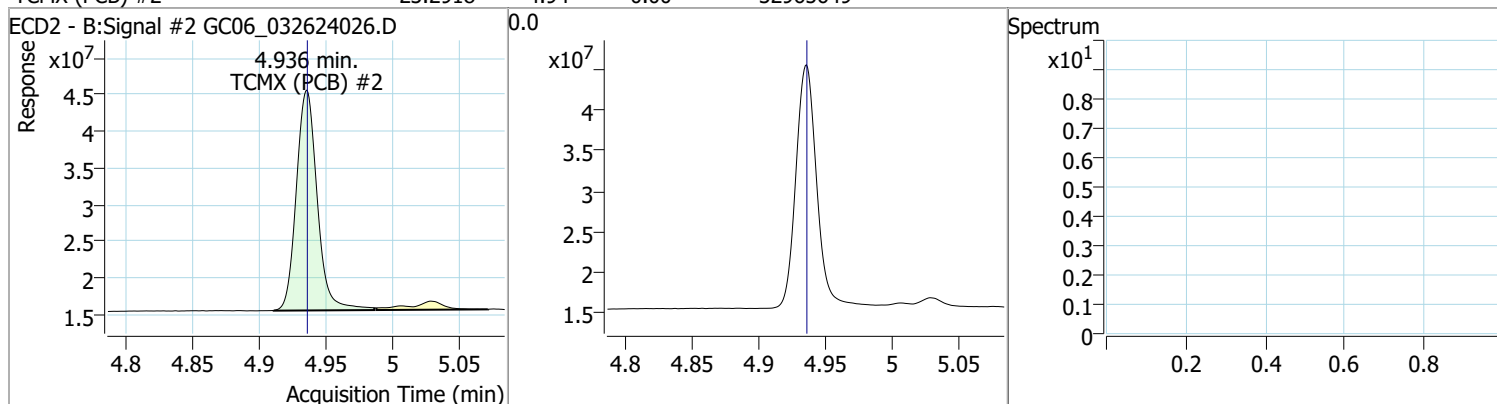
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (Not Reviewed)

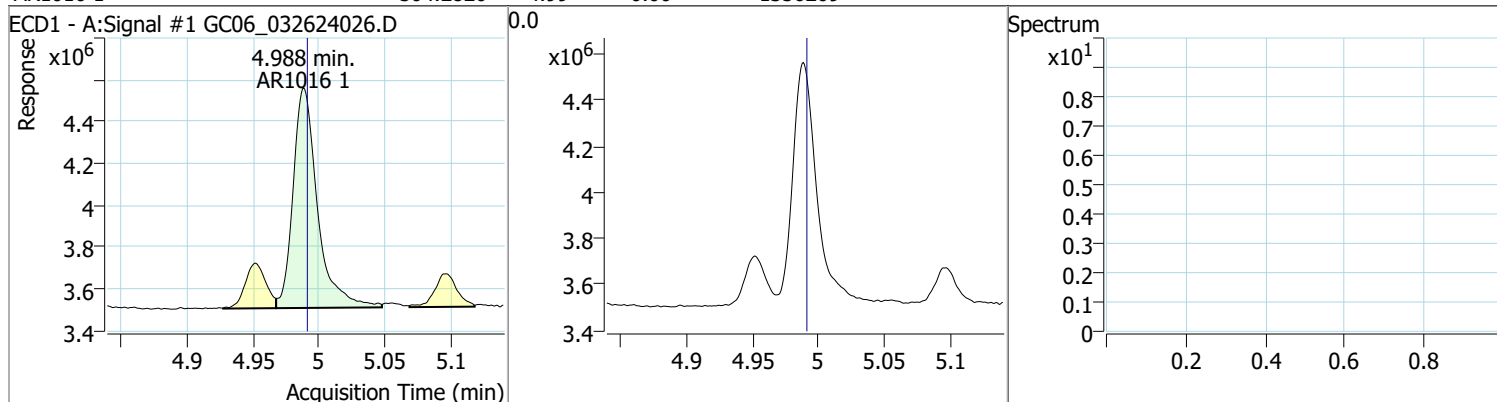
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 23.3082 | 4.66 | 0.00     | 2625273 |      |        |       |       |



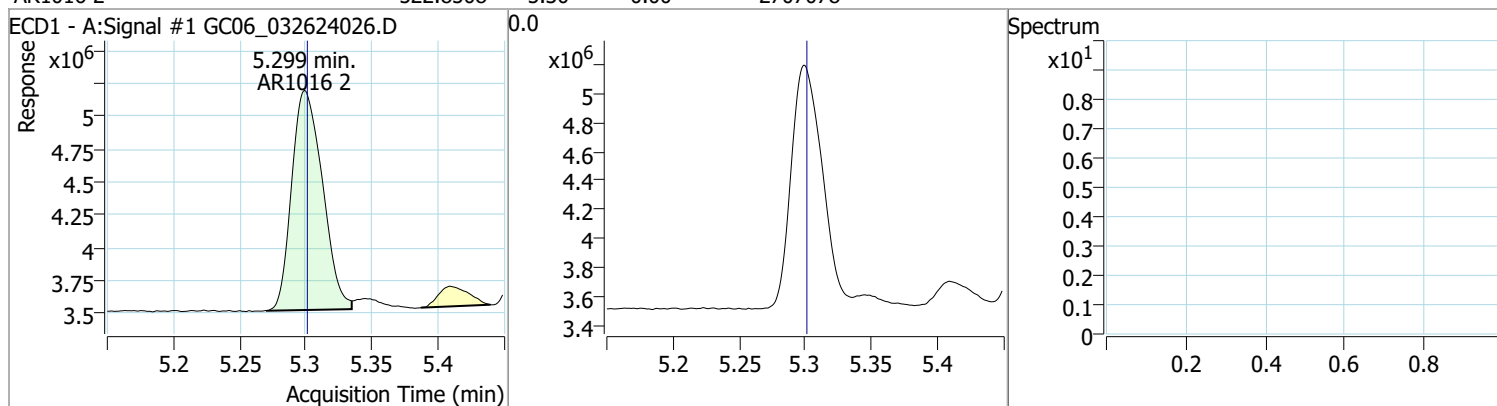
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 23.2918 | 4.94 | 0.00     | 32965649 |      |        |       |       |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 504.2820 | 4.99 | 0.00     | 1356209 |      |        |       |       |

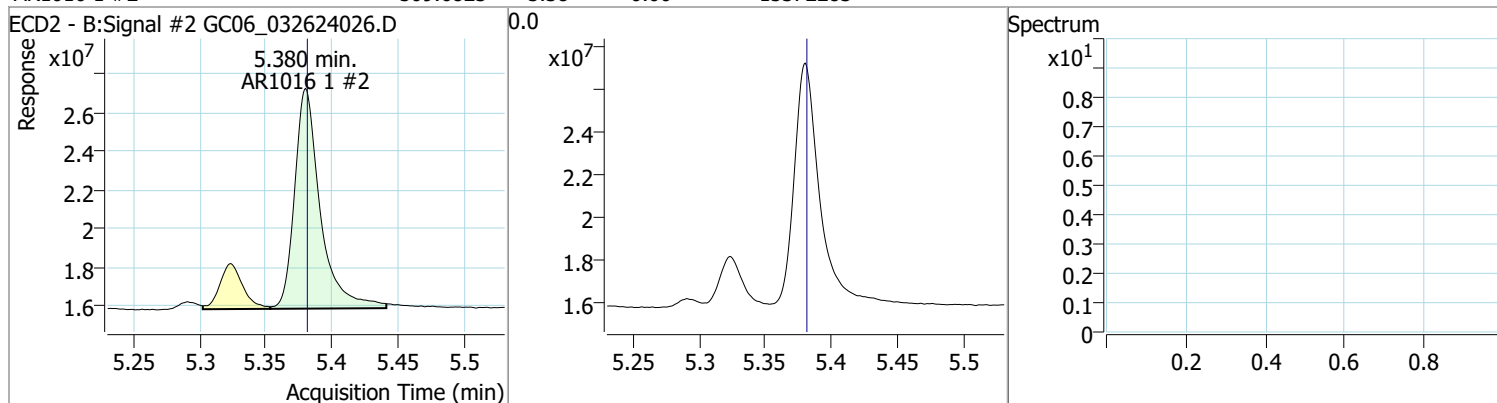


| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 522.8508 | 5.30 | 0.00     | 2707078 |      |        |       |       |

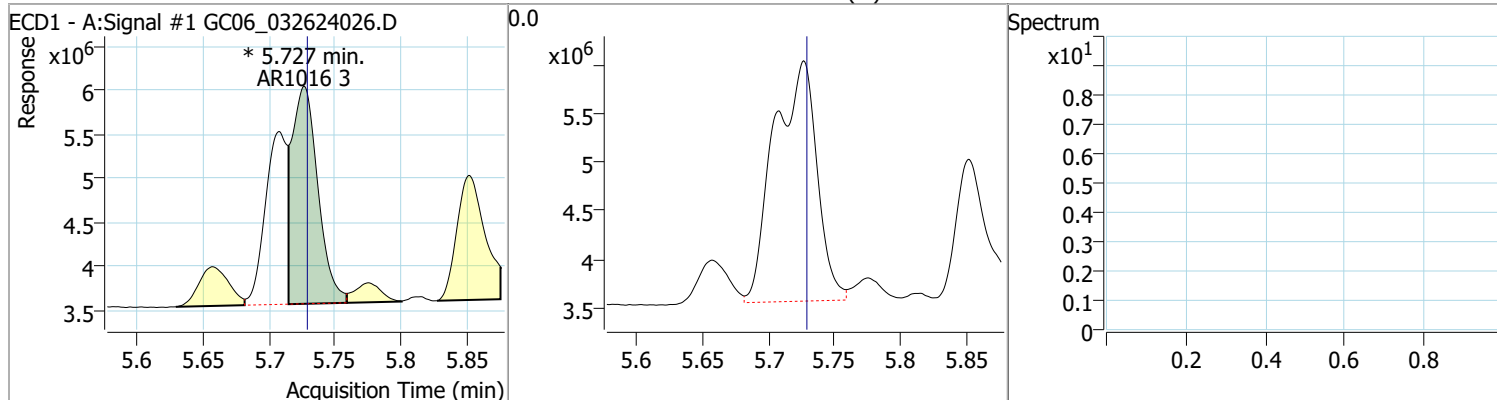


# Quantitation Results Report (Not Reviewed)

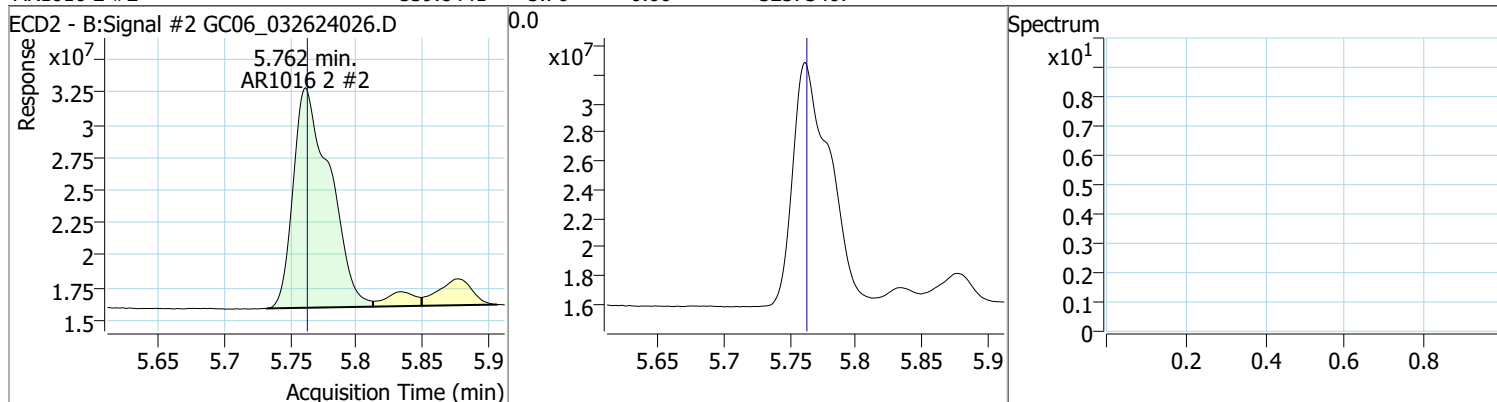
| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 1 #2 | 509.6823 | 5.38 | 0.00     | 15372283 |      |        |       |       |



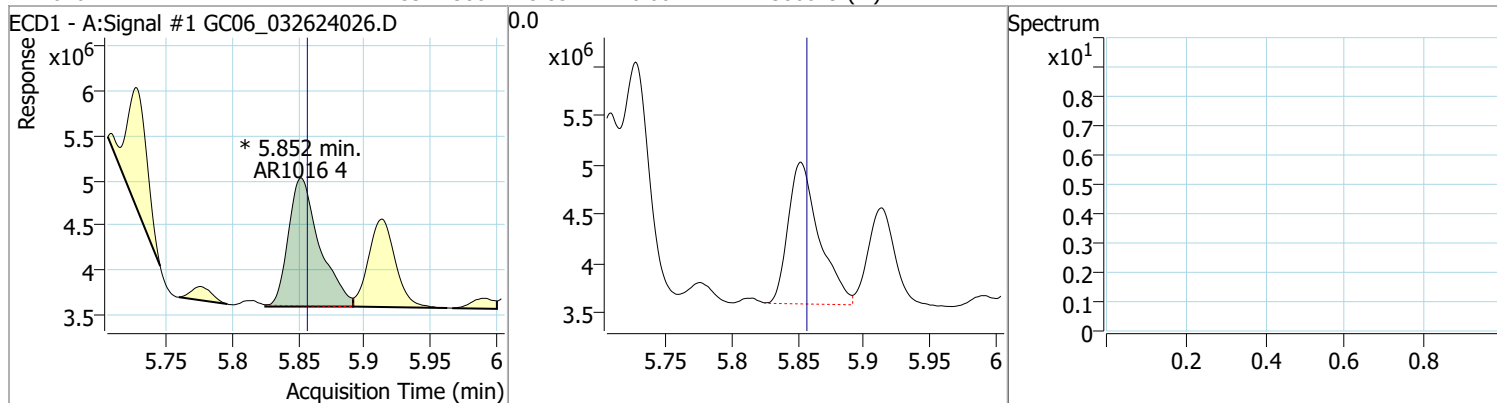
| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 3 | 530.8092 | 5.73 | 0.00     | 3371099 (m) |      |        |       |       |



| Compound    | Conc.    | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-------------|----------|------|----------|----------|------|--------|-------|-------|
| AR1016 2 #2 | 539.8441 | 5.76 | 0.00     | 32573407 |      |        |       |       |

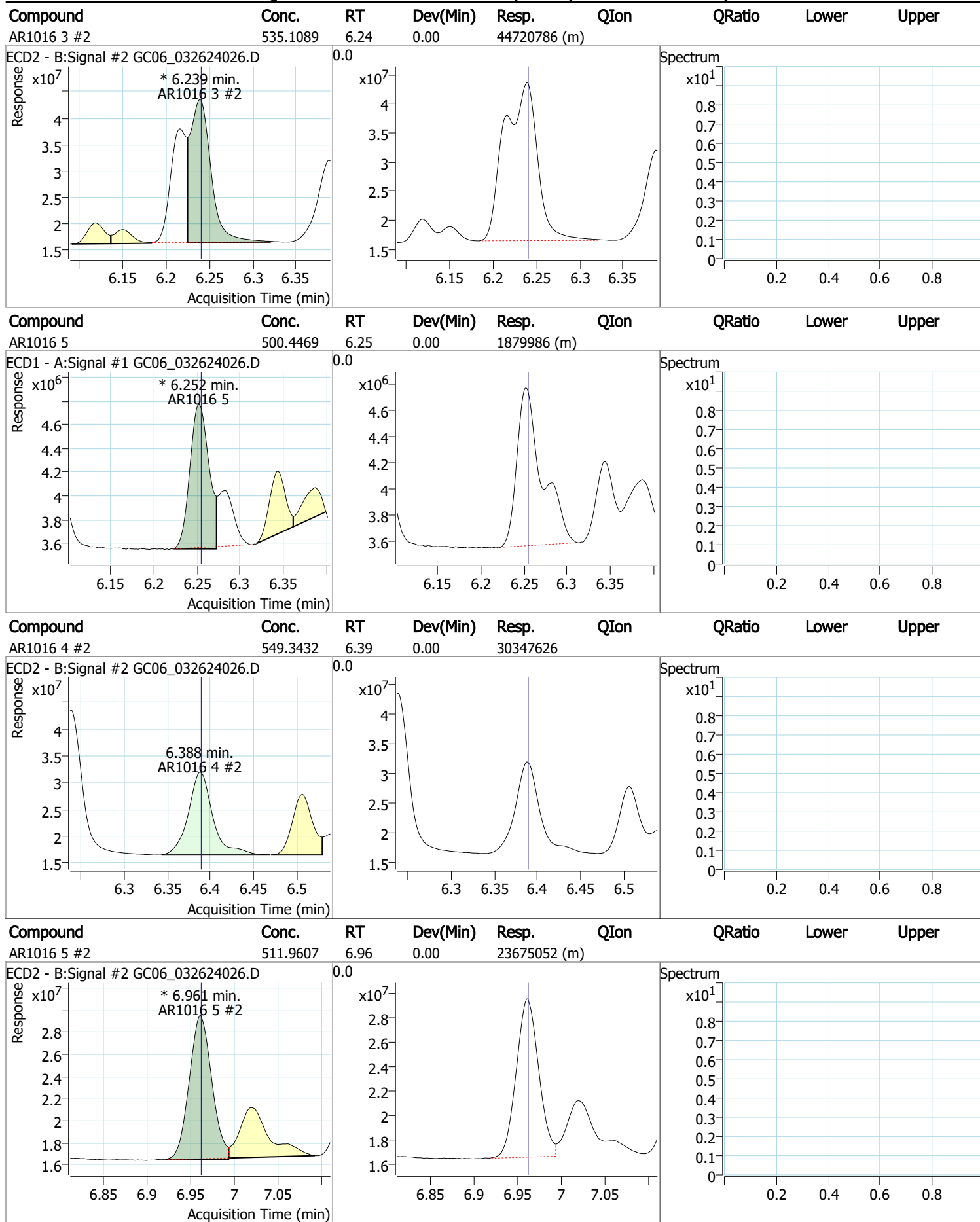


| Compound | Conc.    | RT   | Dev(Min) | Resp.       | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|-------------|------|--------|-------|-------|
| AR1016 4 | 532.1380 | 5.85 | 0.00     | 2386029 (m) |      |        |       |       |

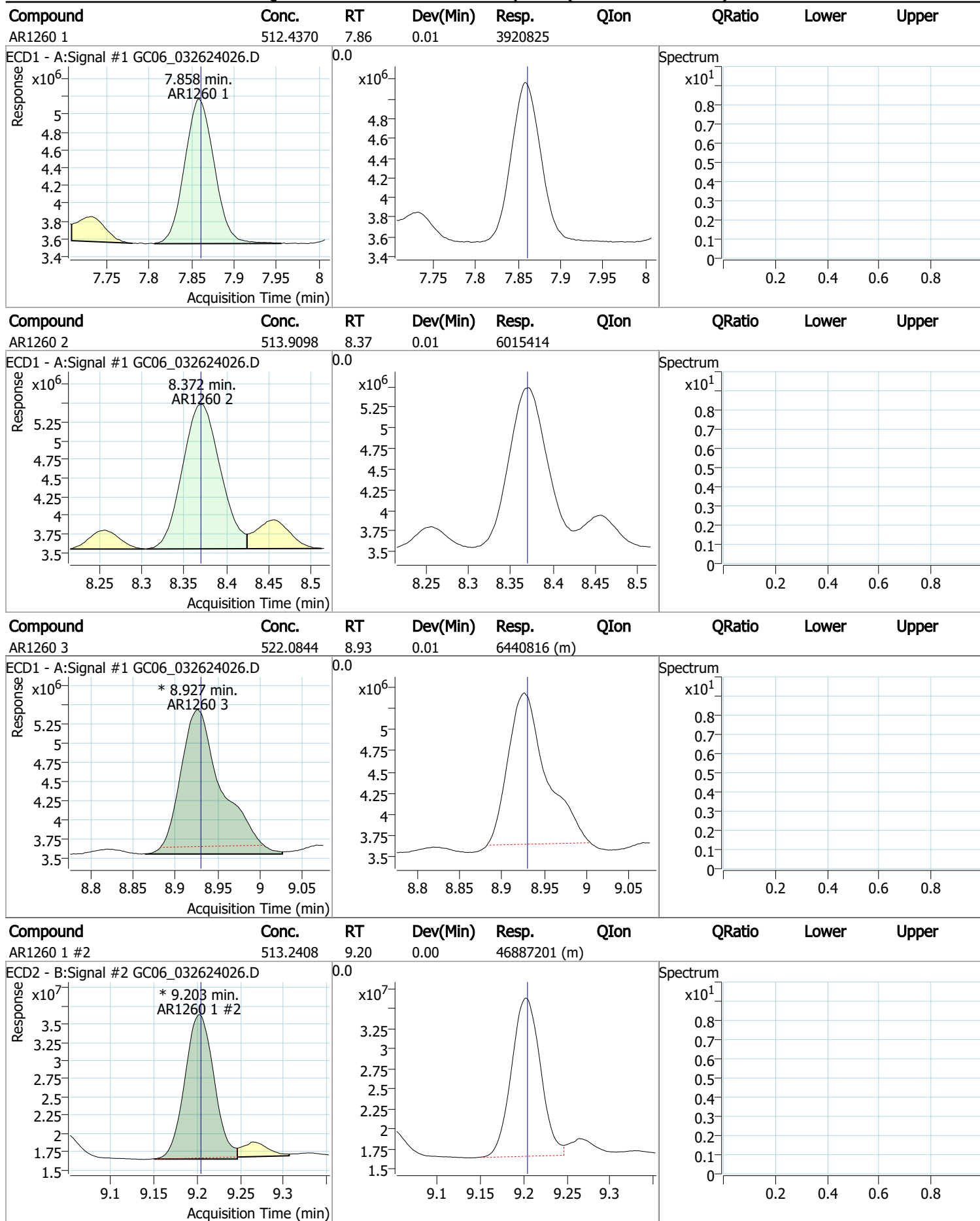




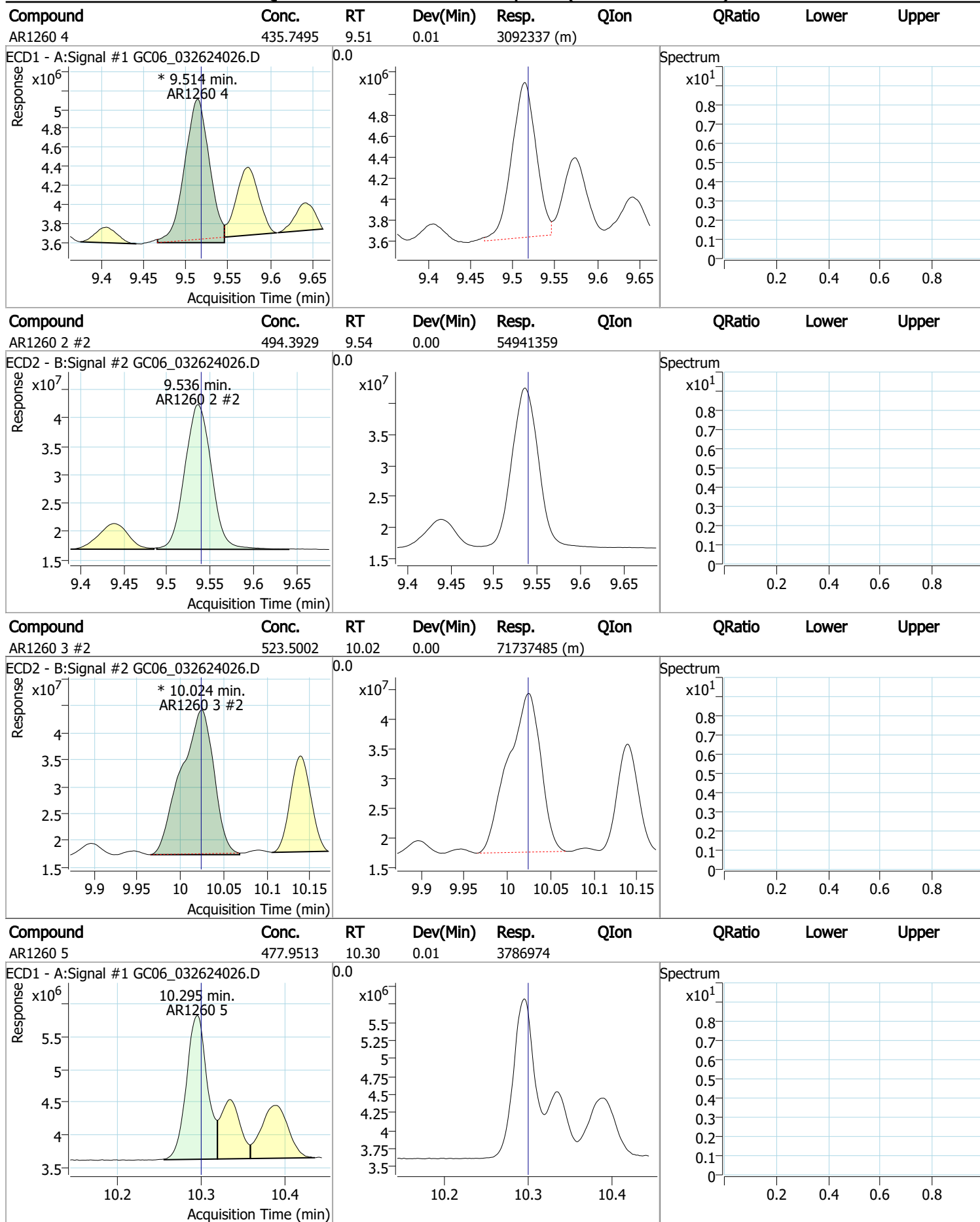
# Quantitation Results Report (Not Reviewed)



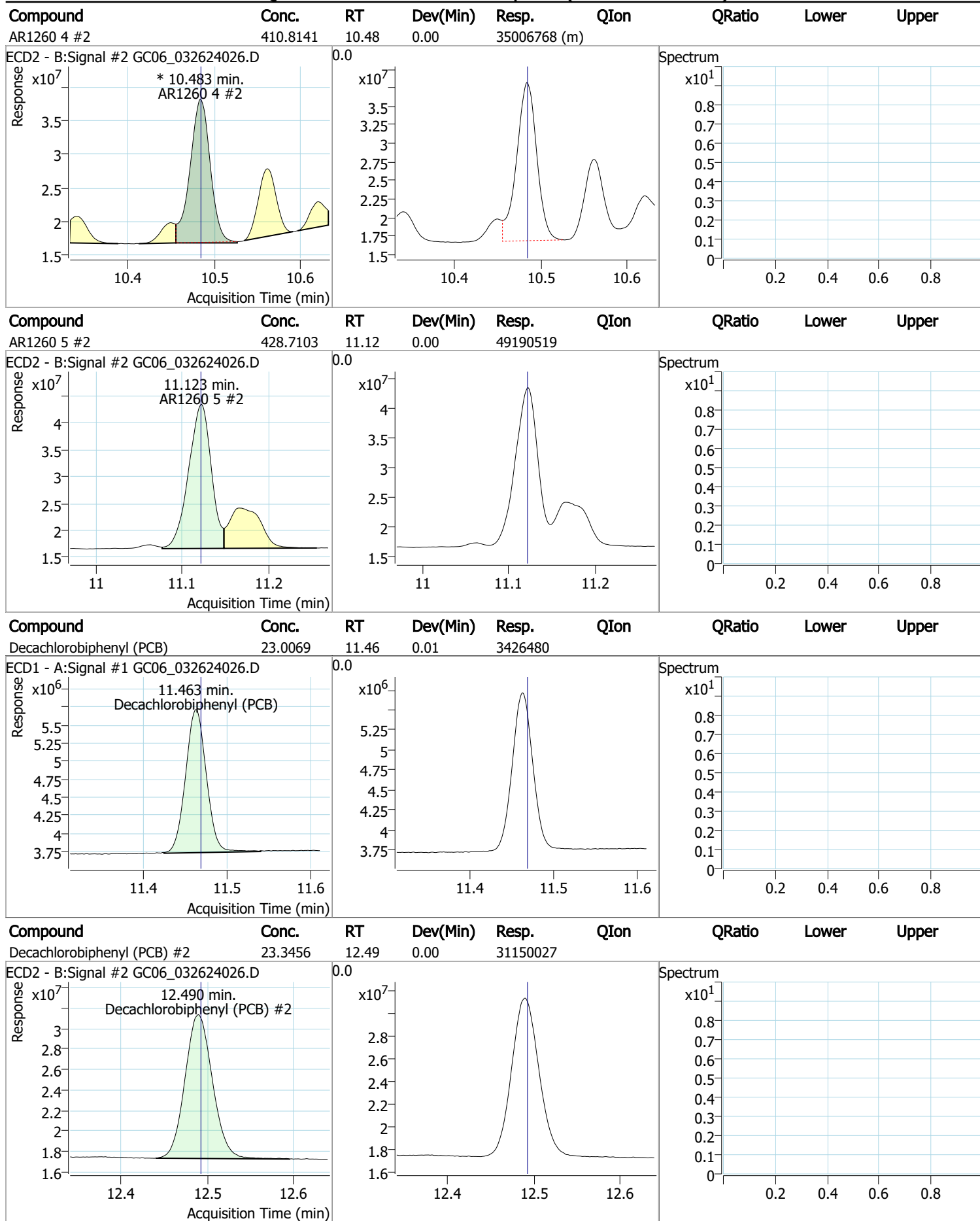
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)



### **Continuing Calibration Verification Raw Data**

ENTHALPY CONTINUING CALIBRATION FOR 506093 PCBS Wipe  
EPA 8082

|                      |                      |                         |
|----------------------|----------------------|-------------------------|
| Inst: SVOA-GC06      | File: gc06_041824004 | IDF: 1.0                |
| Seqnum: 454157500004 | Caldate: 26-MAR-2024 | Time: 18-APR-2024 09:40 |
| Cal: 454124679002    |                      |                         |

Standards: S20460

| Analyte                  | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|--------------------------|----|----------------|-----------|--------|-------|-------|----|--------|--------|-------|
| Aroclor-1016             | A  |                |           | 500.0  | 491.0 | ug/L  | -2 | 15     | 0.0000 |       |
| Aroclor-1260             | A  |                |           | 500.0  | 513.2 | ug/L  | 3  | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | A  | 1.1906         | 1.2405    | 40.00  | 41.68 | ug/L  | 4  | 15     | 0.0000 |       |
| TCMX (PCB)               | A  | 0.9004         | 0.9282    | 40.00  | 41.24 | ug/L  | 3  | 15     | 0.0000 |       |
| Aroclor-1016             | B  |                |           | 500.0  | 505.5 | ug/L  | 1  | 15     | 0.0000 |       |
| Aroclor-1260             | B  |                |           | 500.0  | 487.2 | ug/L  | -3 | 15     | 0.0000 |       |
| Decachlorobiphenyl (PCB) | B  | 0.8176         | 0.7639    | 40.00  | 37.37 | ug/L  | -7 | 15     | 0.0000 |       |
| TCMX (PCB)               | B  | 0.8673         | 0.8300    | 40.00  | 38.28 | ug/L  | -4 | 15     | 0.0000 |       |

| ISTD (ICAL gc06_032624016)   | Ch | ICAL Abund | Abund    | %Drift |
|------------------------------|----|------------|----------|--------|
| 1-bromo-2-nitrobenzene (PCB) | B  | 32342806   | 44115355 | 36.40  |
| 1-bromo-2-nitrobenzene (PCB) | A  | 2506887    | 3051386  | 21.72  |

04/18/24 : 500 PPB PCB CCV

MES 04/18/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

MES 04/18/24 [Aroclor-1016 B]: Corrected automatically drawn baseline for Ch. B.

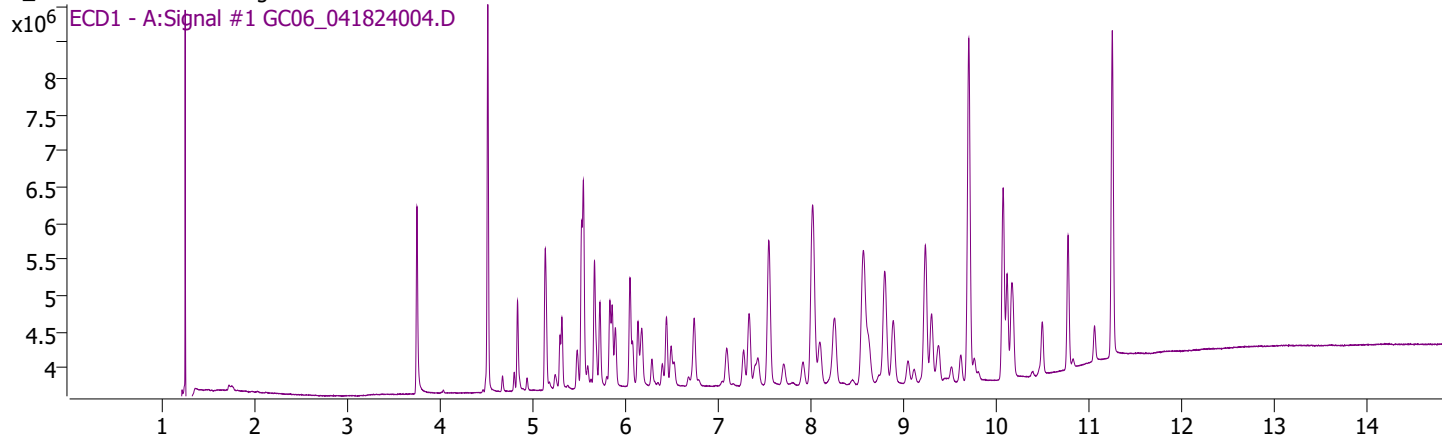
**Analyst:** MES 04/18/24

**Reviewer:** LW 04/22/24

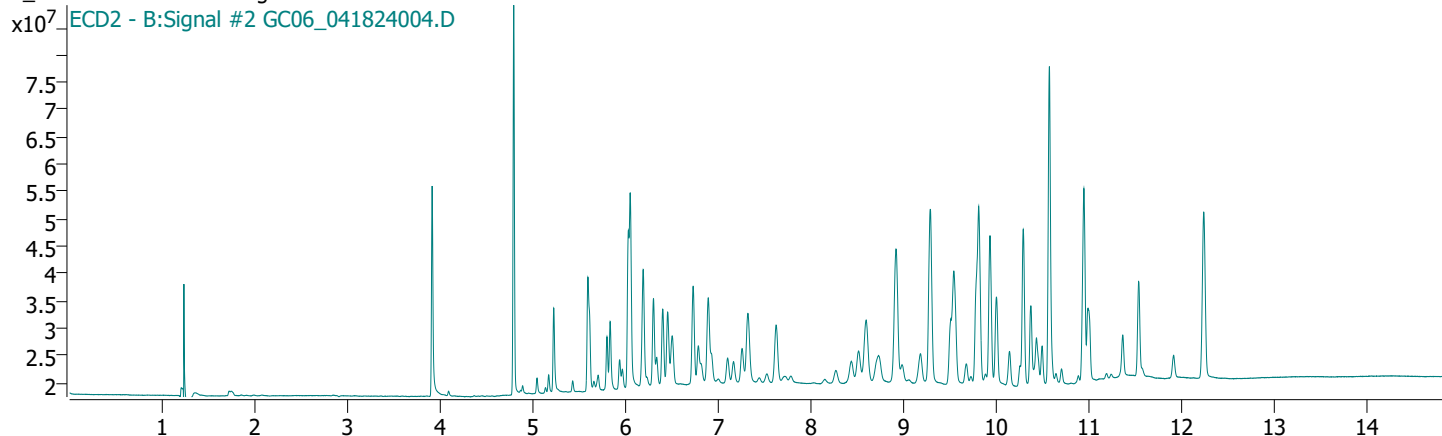
# Quantitation Results Report (Not Reviewed)

|                |                          |                   |                       |
|----------------|--------------------------|-------------------|-----------------------|
| Data File      | GC06_041824004.D         | Operator          |                       |
| Acq. Method    | Acq_Pesticide_122221_3   | Acq. Date-Time    | 4/18/2024 9:40:59 AM  |
| Sample Name    | CCV, S20460              | Instrument        | SVOA-GC06             |
| Vial           | 144                      | Multiplier        | 1.00                  |
| DA Method File | PCB_608_032624_GC06_18.m | Comment           | 500 PPB PCB CCV       |
| Tune File      | ATUNE.U                  | Tune Date         |                       |
| Batch Name     | 041824-PCB.batch.bin     | Last Calib Update | 3/27/2024 12:10:21 PM |
| Ref Library    |                          |                   |                       |

GC06\_041824004.D No MS Signals



GC06\_041824004.D No MS Signals



| Compound                           | RT                   | QIon | Resp.            | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|------|------------------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |      |                  |                    |       |          |
| M 1-bromo-2-nitrobenzene (PCB)     | 3.751                | 0.0  | 3051385.53<br>2  | 20.0000            | ng/ml | 0.000    |
| M 1-bromo-2-nitrobenzene (PCB) #2  | 3.915                | 0.0  | 44115354.5<br>62 | 20.0000            | ng/ml | 0.000    |
| <b>System Monitoring Compounds</b> |                      |      |                  |                    |       |          |
| S TCMX (PCB)                       | 4.516                | 0.0  | 5664791.32<br>7  | 41.2355            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 206.18% | *     |          |
| S TCMX (PCB) #2                    | 4.796                | 0.0  | 73231593.0<br>97 | 38.2815            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 191.41% | *     |          |
| S Decachlorobiphenyl (PCB)         | 11.258               | 0.0  | 7570656.92<br>4  | 41.6770            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 208.39% | *     |          |
| S Decachlorobiphenyl (PCB) #2      | 12.245               | 0.0  | 67401207.3<br>96 | 37.3736            | ng/ml | 0.000    |
| Spiked Amount: 20.000              | Range: 50.0 - 150.0% |      |                  | Recovery = 186.87% | *     |          |

## Target Compounds

QValue

# Quantitation Results Report (Not Reviewed)

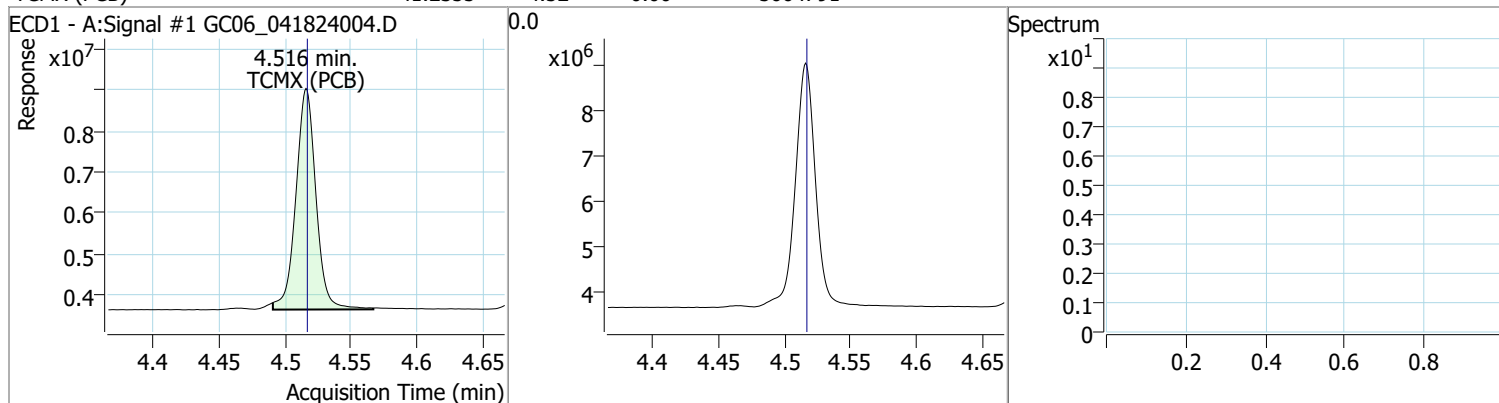
| Compound      | RT     | QIon | Resp.        | Conc.    | Units   | Dev(Min) |
|---------------|--------|------|--------------|----------|---------|----------|
| T AR1016 1    | 4.837  | 0.0  | 1610649.309  | 491.0224 | ng/ml   | 100      |
| T AR1016 2    | 5.137  | 0.0  | 3026788.377  | 479.3057 | ng/ml   | 100      |
| T AR1016 1 #2 | 5.228  | 0.0  | 20468380.893 | 502.1046 | ng/ml   | 100      |
| T AR1016 3    | 5.548  | 0.0  | 3960287.934  | 511.2663 | ng/ml m | 100      |
| T AR1016 2 #2 | 5.597  | 0.0  | 40832383.651 | 500.6792 | ng/ml   | 100      |
| T AR1016 4    | 5.668  | 0.0  | 2633811.875  | 481.6003 | ng/ml   | 100      |
| T AR1016 5    | 6.051  | 0.0  | 2253325.979  | 491.7913 | ng/ml m | 100      |
| T AR1016 3 #2 | 6.053  | 0.0  | 57102129.069 | 505.5157 | ng/ml m | 100      |
| T AR1016 4 #2 | 6.193  | 0.0  | 38741835.505 | 518.8583 | ng/ml   | 100      |
| T AR1016 5 #2 | 6.733  | 0.0  | 31274786.521 | 500.3681 | ng/ml   | 100      |
| T AR1260 1    | 7.549  | 0.0  | 4740502.838  | 507.9734 | ng/ml   | 100      |
| T AR1260 2    | 8.023  | 0.0  | 7229182.857  | 506.3655 | ng/ml   | 100      |
| T AR1260 3    | 8.570  | 0.0  | 7646027.619  | 508.1468 | ng/ml   | 100      |
| T AR1260 1 #2 | 8.923  | 0.0  | 65374671.473 | 529.4512 | ng/ml   | 100      |
| T AR1260 4    | 9.240  | 0.0  | 4518043.497  | 521.9801 | ng/ml m | 100      |
| T AR1260 2 #2 | 9.293  | 0.0  | 74946389.784 | 498.9685 | ng/ml   | 100      |
| T AR1260 3 #2 | 9.816  | 0.0  | 91345495.800 | 493.1822 | ng/ml   | 100      |
| T AR1260 5    | 10.080 | 0.0  | 5037798.566  | 521.2976 | ng/ml   | 100      |
| T AR1260 4 #2 | 10.297 | 0.0  | 54440892.877 | 472.6810 | ng/ml   | 100      |
| T AR1260 5 #2 | 10.952 | 0.0  | 68493038.518 | 441.6503 | ng/ml   | 100      |

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

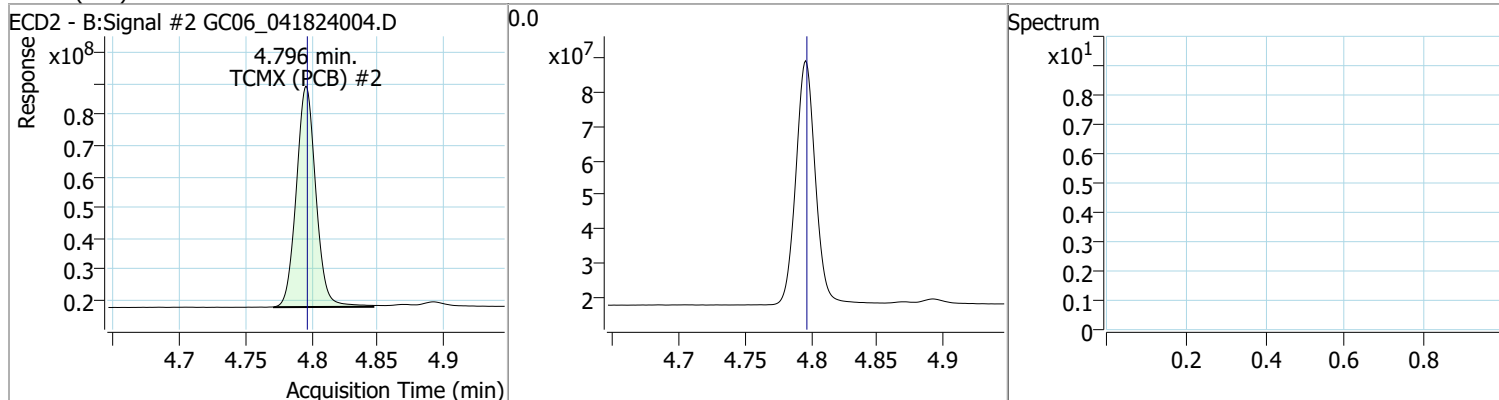


# Quantitation Results Report (Not Reviewed)

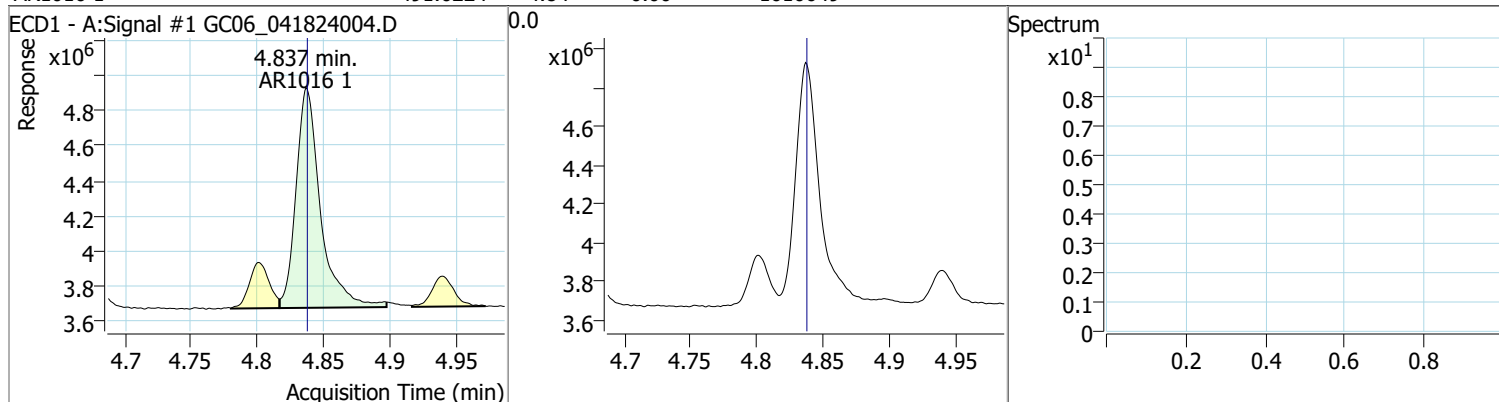
| Compound   | Conc.   | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|---------|------|--------|-------|-------|
| TCMX (PCB) | 41.2355 | 4.52 | 0.00     | 5664791 |      |        |       |       |



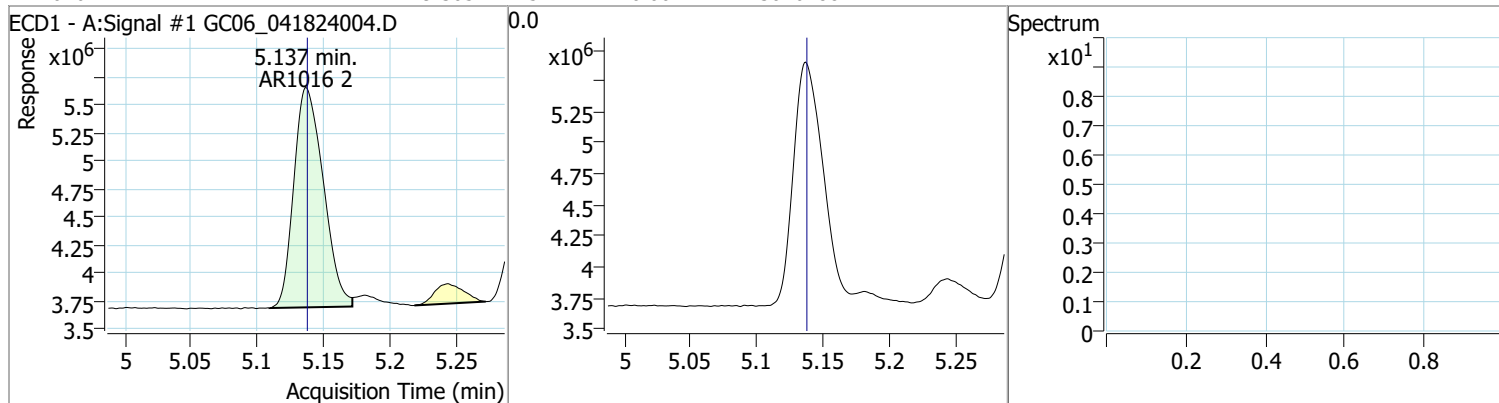
| Compound      | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|---------|------|----------|----------|------|--------|-------|-------|
| TCMX (PCB) #2 | 38.2815 | 4.80 | 0.00     | 73231593 |      |        |       |       |



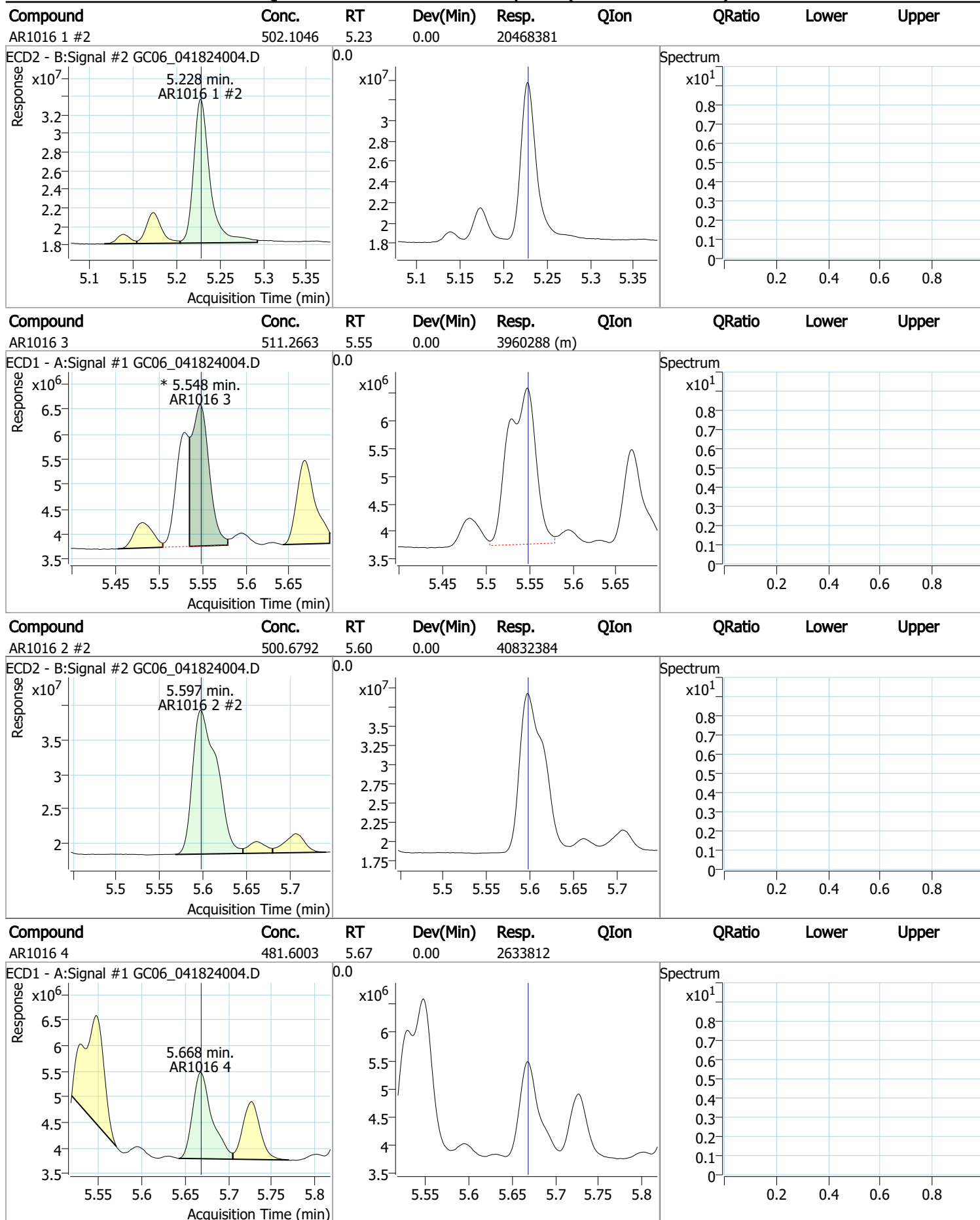
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 1 | 491.0224 | 4.84 | 0.00     | 1610649 |      |        |       |       |



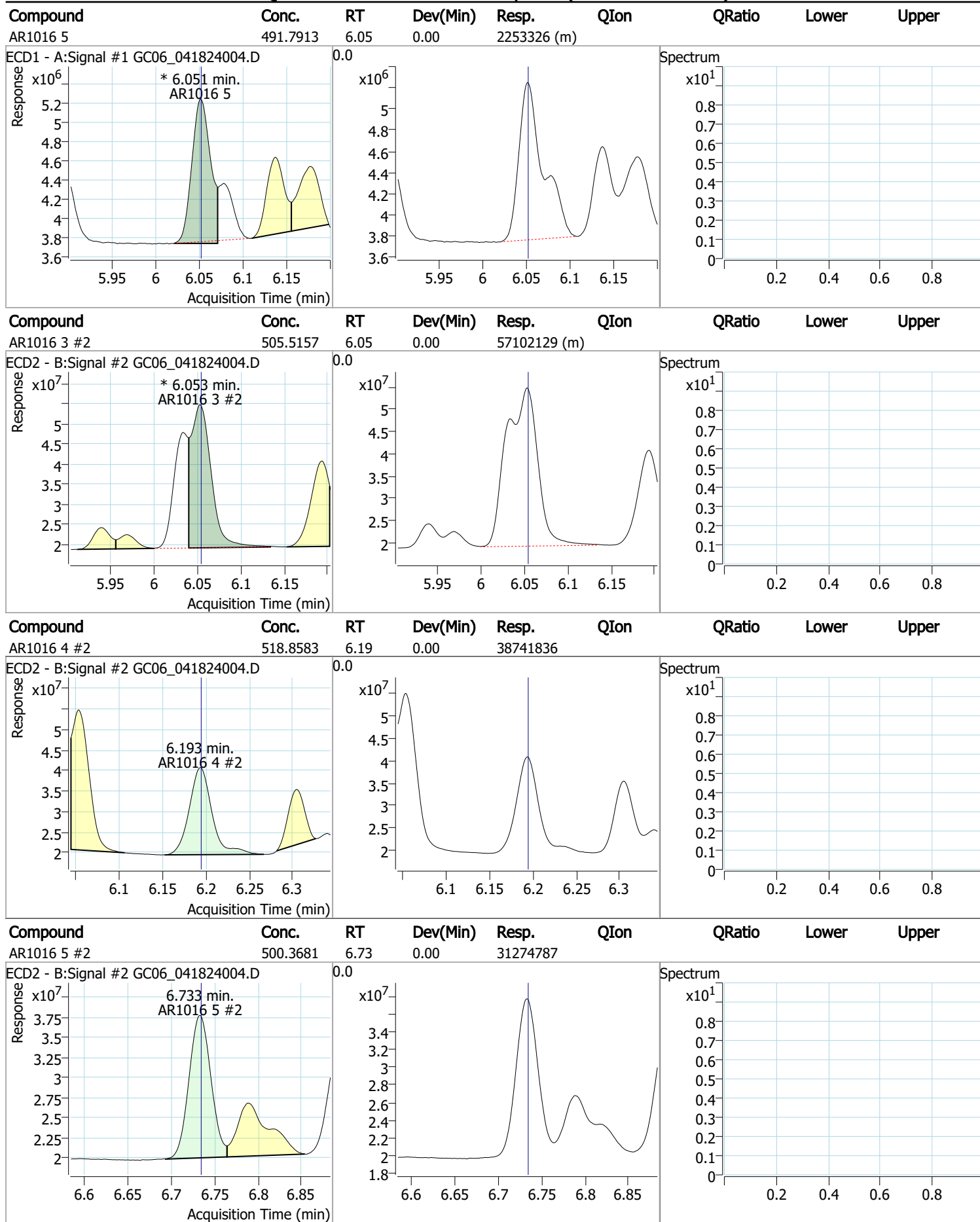
| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| AR1016 2 | 479.3057 | 5.14 | 0.00     | 3026788 |      |        |       |       |



# Quantitation Results Report (Not Reviewed)



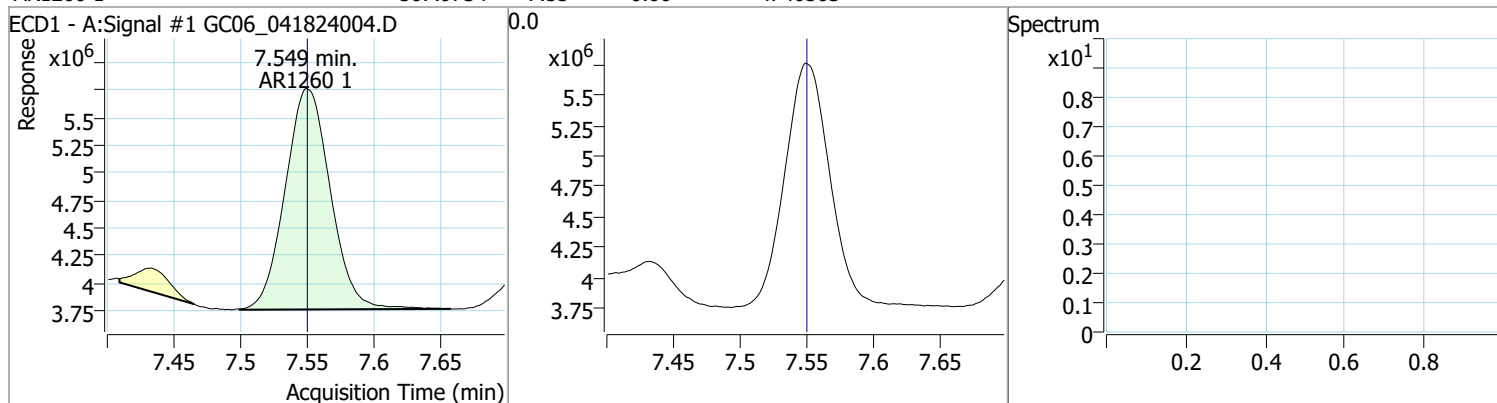
# Quantitation Results Report (Not Reviewed)



# Quantitation Results Report (Not Reviewed)

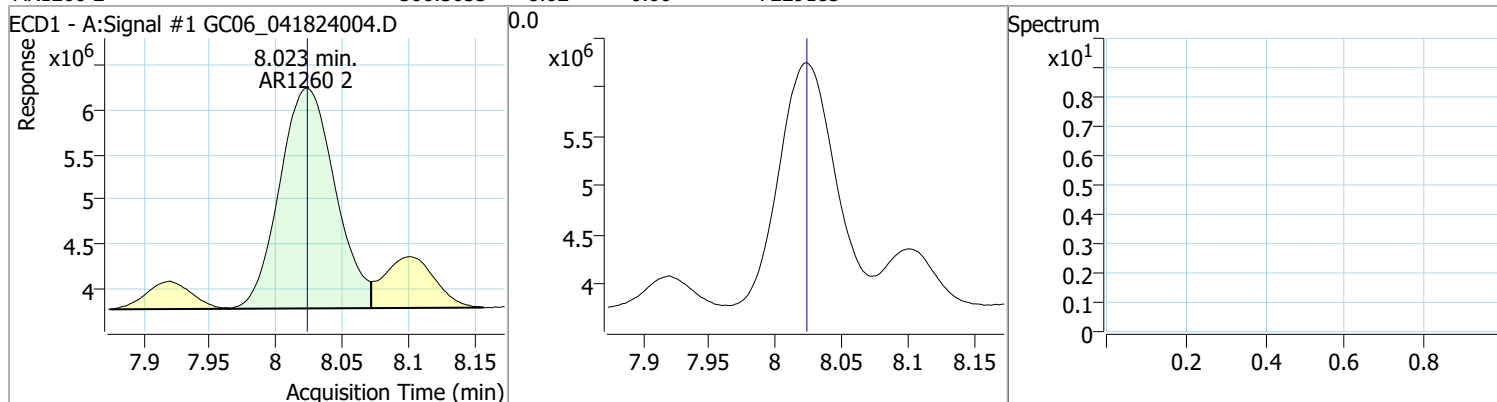
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 1 507.9734 7.55 0.00 4740503



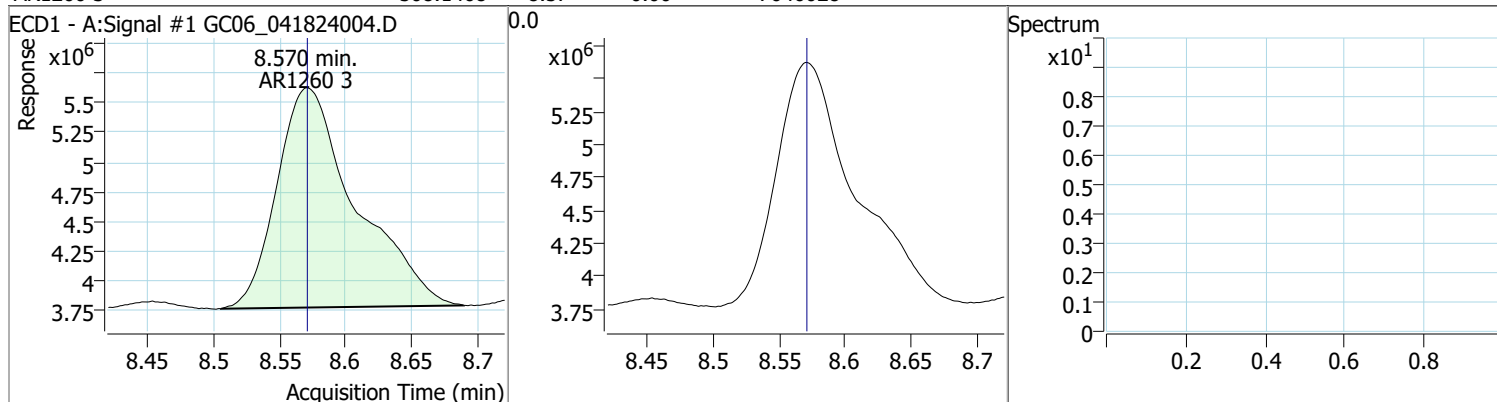
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 2 506.3655 8.02 0.00 7229183



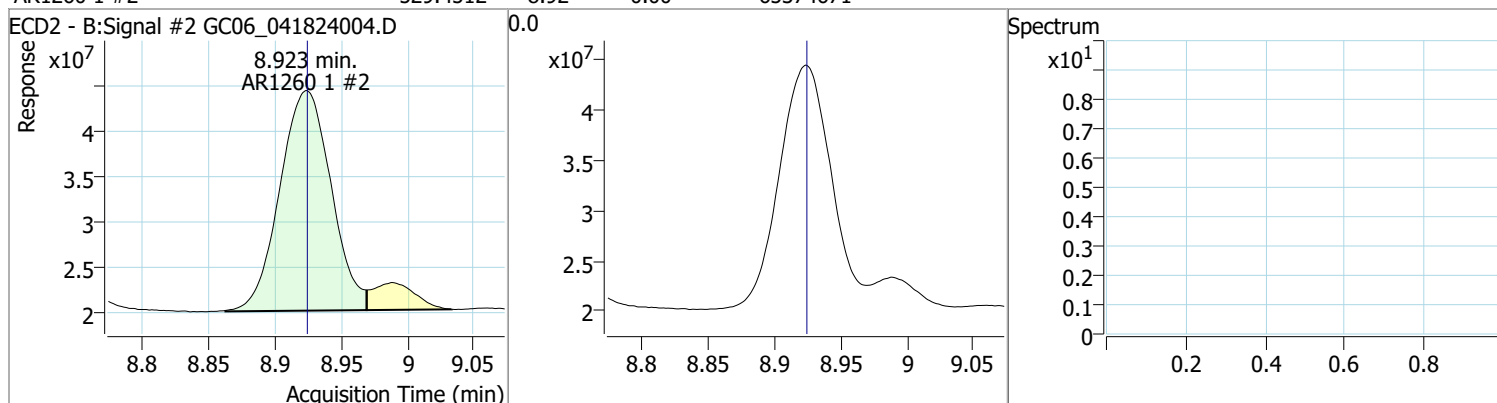
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

AR1260 3 508.1468 8.57 0.00 7646028

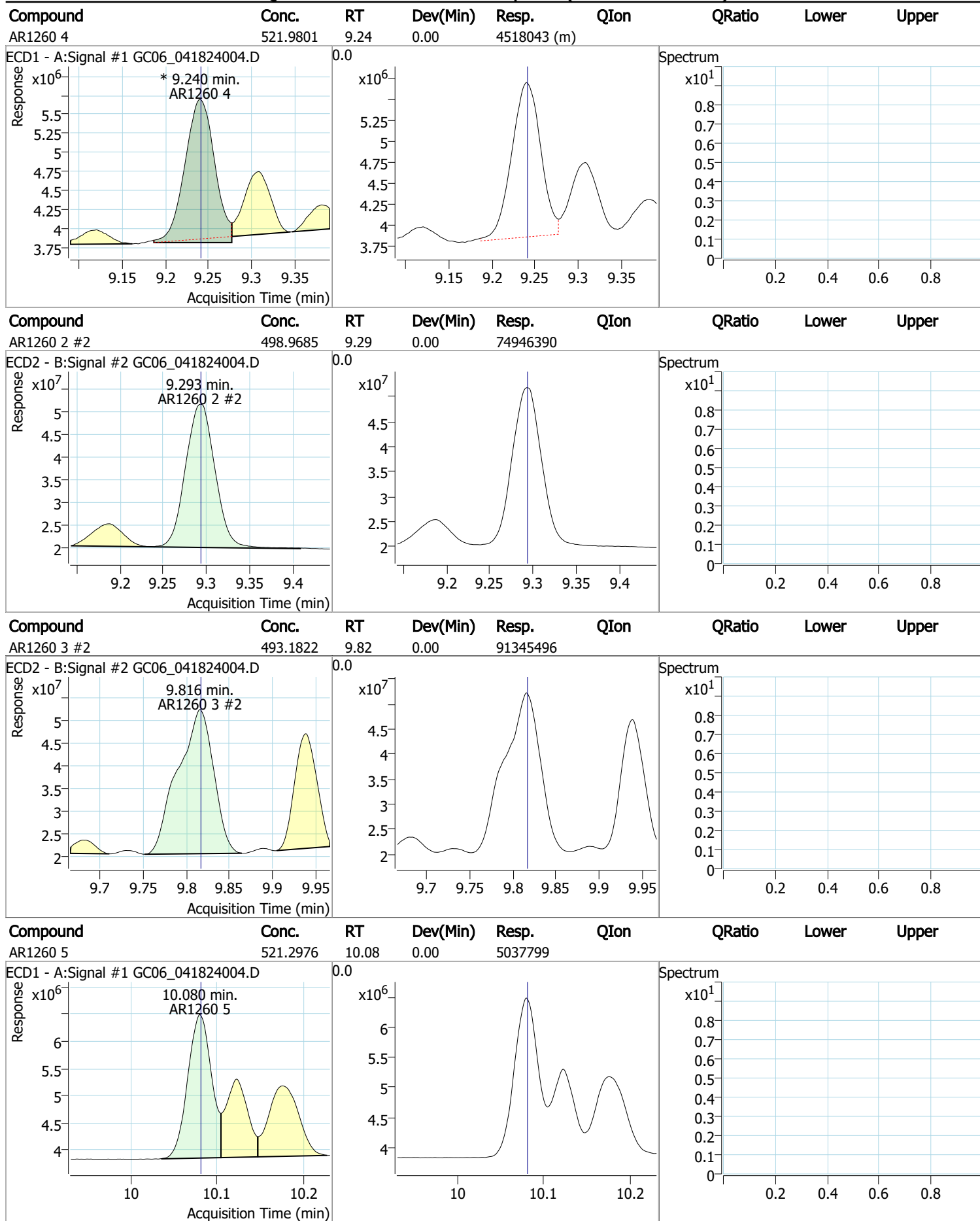


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

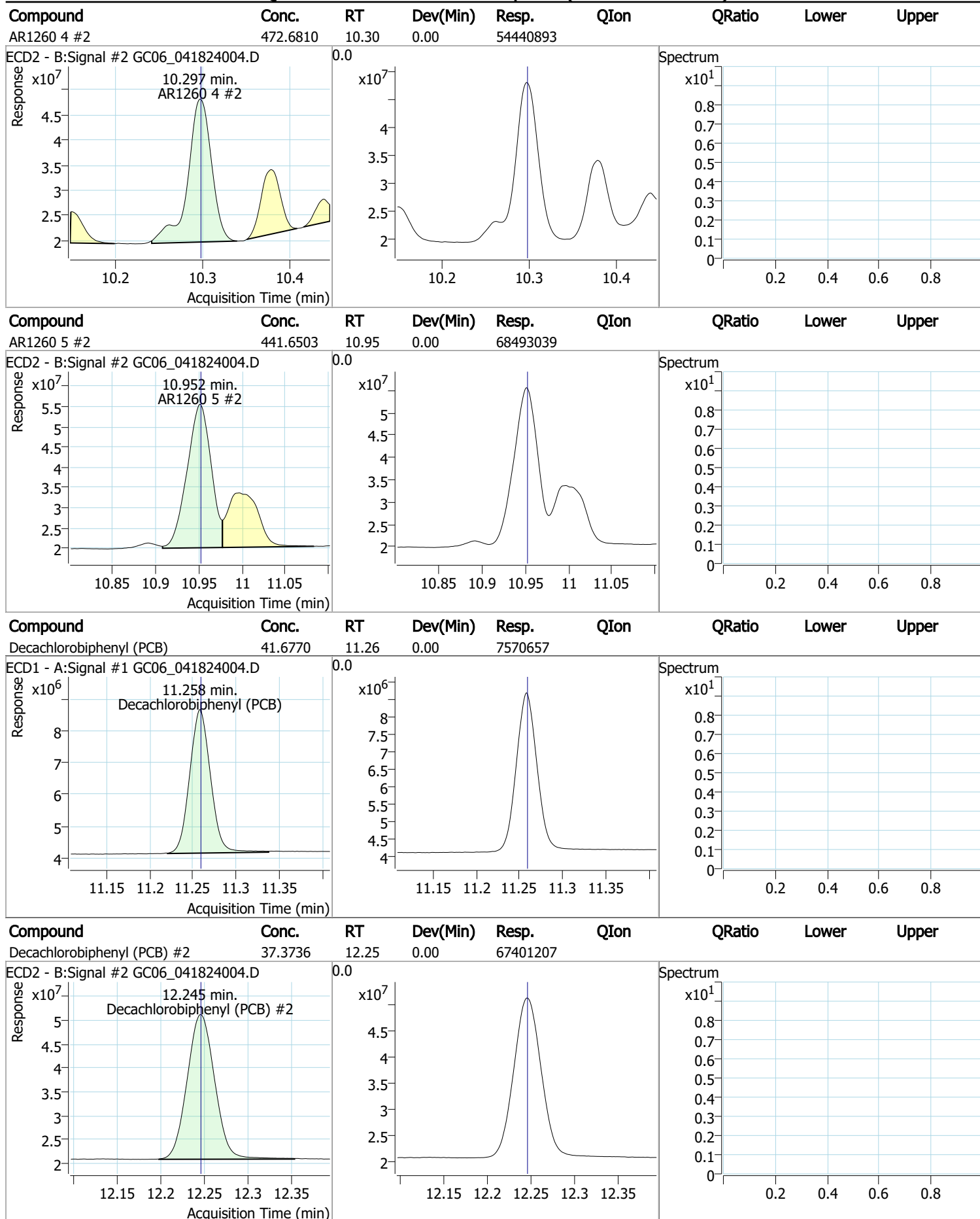
AR1260 1 #2 529.4512 8.92 0.00 65374671



# 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 : 506093  
Report Level : IV  
Report Date : 05/07/2024

## Metals

### **Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 506093  
 Project No: 20-10491  
 Location: Hangar 1 NTCRA  
 Date Received: 04/12/24

| Sample ID                                     | Lab ID     | Collected      | Matrix |
|-----------------------------------------------|------------|----------------|--------|
| ARCH-C14E-EXT-1 TO 2-240412-L-WF              | 506093-002 | 04/12/24 07:10 | Wipe   |
| ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF          | 506093-003 | 04/12/24 07:10 | Wipe   |
| ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA | 506093-005 | 04/12/24 07:25 | Wipe   |
| ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA | 506093-008 | 04/12/24 07:35 | Wipe   |
| ARCH-C14E-DG-2 TO 2.5-240412-L-FB             | 506093-010 | 04/12/24 07:45 | Wipe   |
| ARCH-C14E-DG-2.5 TO 3-240412-L-FB             | 506093-012 | 04/12/24 07:55 | Wipe   |
| ARCH-C14E-EXT-3 TO 4-240412-L-WF              | 506093-014 | 04/12/24 08:05 | Wipe   |
| ARCH-C14E-PS-3.5-240412-L-G                   | 506093-016 | 04/12/24 08:15 | Wipe   |
| ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA | 506093-018 | 04/12/24 07:48 | Wipe   |
| ARCH-C14E-DG-4 TO 4.5-240412-L-FB             | 506093-020 | 04/12/24 07:40 | Wipe   |
| ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA | 506093-022 | 04/12/24 08:10 | Wipe   |



## Case Narrative

### METALS (EPA 6010B)

---

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

Lab Job 506093  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 04/12/24

---

This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 04/15/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

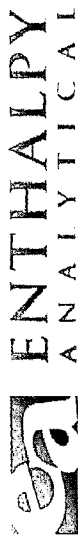
#### **Metals (EPA 6010B):**

No analytical problems were encountered.

## **Chain of Custody**

506093

| 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<br>Phone 714-771-6900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Page:                                                                                                                                                                                                                                                                           |  | 1 of 2                                                                                                                                                                                                                                                                                       |  | custom TAT:                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>CUSTOMER INFORMATION</b><br>Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (651) 890-9556<br>Fax:                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | <b>PROJECT INFORMATION</b><br>Quote #: RINC01721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #: 158 Cody Road, Mountain View, CA<br>Address:<br>Global ID:<br>Sampled By: <b>Dudak, M. Kim</b>                                                              |  | <b>Analysis Request</b><br>Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other                                                                                                       |  | <b>Test Instructions / Comments</b><br>Confirmation Wipe Samples - Level IV<br>Report/Stage 3 Validation<br>Report PCB concentrations on a µg/100cm <sup>2</sup> basis<br>Report lead concentrations on a µg/12 basis<br>Report Aroclor 1268 concentrations in addition to the standard Aroclors<br>Wipe samples collected from Zone 7 Enclosure A/B (Low Occupancy) |  |
| <b>SAMPLE ID</b><br>1 ARCH-C14E-EXT-1 TO 2-240412-P-WF<br>2 ARCH-C14E-EXT-1 TO 2-240412-L-WF<br>3 ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF<br>4 ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA<br>5 ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA<br>6 ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA<br>7 ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA<br>8 ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA<br>9 ARCH-C14E-DG-2 TO 2.5-240412-P-PB<br>10 ARCH-C14E-DG-2 TO 2.5-240412-L-PB<br>11 ARCH-C14E-DG-2.5 TO 3-240412-P-PB<br>12 ARCH-C14E-DG-2.5 TO 3-240412-P-PB<br>13 ARCH-C14E-EXT-3 TO 4-240412-P-WF<br>14 ARCH-C14E-EXT-3 TO 4-240412-L-WF<br>15 ARCH-C14E-PS-3.5-240412-P-G |  | <b>Sampling Time</b><br>0710<br>0710<br>0710<br>0725<br>0725<br>0735<br>0735<br>0735<br>0745<br>0745<br>0755<br>0755<br>0805<br>0805<br>0815                                                                                                                                    |  | <b>Matrix</b><br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP<br>WP                                                                                                                                                                                            |  | <b>Container No. / Pres.</b><br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                                                                                                                                                                                                                                                              |  |
| <b>Signature</b><br>1 Relinquished By: <i>[Signature]</i><br>2 Received By: <i>[Signature]</i><br>2 Relinquished By: <i>[Signature]</i><br>2 Received By: <i>[Signature]</i><br>3 Relinquished By: <i>[Signature]</i><br>3 Received By: <i>[Signature]</i>                                                                                                                                                                                                                                                                                                                                                                                                                               |  | <b>Print Name</b><br>Michaela Kim<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson<br>Audrey Hudson |  | <b>Company / Title</b><br>Rincon Env. Services<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental<br>Environmental |  | <b>Date / Time</b><br>4/12/24 14:31<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24<br>4/12/24 17:24                                                                                                     |  |



# Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92668  
Phone 714-771-6900

## Chain of Custody Record

|                                                                                                                                                             |                                                                                                                                                           |                      |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|
| Page: 2 of 2                                                                                                                                                | Standard: X (PCBs)                                                                                                                                        | 5 Day: 1 Day: X (PB) | 3 Day: custom TAT: |
| Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other | Sample Receipt Temp: | (lab use only)     |

## Turn Around Time (rush by advanced notice only)

|                                     |                  |                              |
|-------------------------------------|------------------|------------------------------|
| Report To: RINCON CONSULTANTS, INC. | Analysis Request | Test Instructions / Comments |
|-------------------------------------|------------------|------------------------------|

|                           |                  |                              |
|---------------------------|------------------|------------------------------|
| Report To: Lindsay Parker | Analysis Request | Test Instructions / Comments |
|---------------------------|------------------|------------------------------|

|                                      |                  |                              |
|--------------------------------------|------------------|------------------------------|
| Email: lparker@rinconconsultants.com | Analysis Request | Test Instructions / Comments |
|--------------------------------------|------------------|------------------------------|

|                                     |                  |                              |
|-------------------------------------|------------------|------------------------------|
| Address: 449 15th Street, Suite 303 | Analysis Request | Test Instructions / Comments |
|-------------------------------------|------------------|------------------------------|

|                                    |                  |                              |
|------------------------------------|------------------|------------------------------|
| Address: Oakland, California 94612 | Analysis Request | Test Instructions / Comments |
|------------------------------------|------------------|------------------------------|

|                       |                  |                              |
|-----------------------|------------------|------------------------------|
| Phone: (651) 890-9556 | Analysis Request | Test Instructions / Comments |
|-----------------------|------------------|------------------------------|

|      |                  |                              |
|------|------------------|------------------------------|
| Fax: | Analysis Request | Test Instructions / Comments |
|------|------------------|------------------------------|

|           |               |               |        |                      |       |
|-----------|---------------|---------------|--------|----------------------|-------|
| Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. |
|-----------|---------------|---------------|--------|----------------------|-------|

|                                |           |      |    |   |    |
|--------------------------------|-----------|------|----|---|----|
| 16 ARCH-C14E-PS-3.5-240412-L-G | 4/12/2024 | 0815 | WP | 1 | -- |
|--------------------------------|-----------|------|----|---|----|

|                                                  |           |      |    |   |    |
|--------------------------------------------------|-----------|------|----|---|----|
| 17 ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA | 4/12/2024 | 0848 | WP | 1 | -- |
|--------------------------------------------------|-----------|------|----|---|----|

|                                                  |           |      |    |   |    |
|--------------------------------------------------|-----------|------|----|---|----|
| 18 ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA | 4/12/2024 | 0848 | WP | 1 | -- |
|--------------------------------------------------|-----------|------|----|---|----|

|                                      |           |      |    |   |    |
|--------------------------------------|-----------|------|----|---|----|
| 19 ARCH-C14E-DG-4 TO 4.5-240412-P-FB | 4/12/2024 | 0848 | WP | 1 | -- |
|--------------------------------------|-----------|------|----|---|----|

|                                      |           |      |    |   |    |
|--------------------------------------|-----------|------|----|---|----|
| 20 ARCH-C14E-DG-4 TO 4.5-240412-L-FB | 4/12/2024 | 0848 | WP | 1 | -- |
|--------------------------------------|-----------|------|----|---|----|

|                                                  |           |      |    |   |    |
|--------------------------------------------------|-----------|------|----|---|----|
| 21 ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA | 4/12/2024 | 0810 | WP | 1 | -- |
|--------------------------------------------------|-----------|------|----|---|----|

|                                                  |           |      |    |   |    |
|--------------------------------------------------|-----------|------|----|---|----|
| 22 ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA | 4/12/2024 | 0810 | WP | 1 | -- |
|--------------------------------------------------|-----------|------|----|---|----|

|                               |           |      |    |   |    |
|-------------------------------|-----------|------|----|---|----|
| 23 240412-P-FIELD BLANK 1-L-O | 4/12/2024 | 0848 | WP | 1 | -- |
|-------------------------------|-----------|------|----|---|----|

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| 27 |  |  |  |  |  |
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| 28 |  |  |  |  |  |
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| 29 |  |  |  |  |  |
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| 30 |  |  |  |  |  |
|----|--|--|--|--|--|

|                                |           |            |                 |             |
|--------------------------------|-----------|------------|-----------------|-------------|
| 1 Relinquished By: [Signature] | Signature | Print Name | Company / Title | Date / Time |
|--------------------------------|-----------|------------|-----------------|-------------|

|                                |           |              |                       |               |
|--------------------------------|-----------|--------------|-----------------------|---------------|
| 1 Received By: Audrey Anderson | Signature | Michaela Kim | Rincon / ENV Sientist | 4/12/24 08:43 |
|--------------------------------|-----------|--------------|-----------------------|---------------|

|                                |           |                 |     |               |
|--------------------------------|-----------|-----------------|-----|---------------|
| 2 Relinquished By: [Signature] | Signature | Audrey Anderson | ENV | 4/12/24 14:31 |
|--------------------------------|-----------|-----------------|-----|---------------|

|                            |           |            |     |               |
|----------------------------|-----------|------------|-----|---------------|
| 2 Received By: [Signature] | Signature | Kevin Vign | ENV | 4/12/24 17:29 |
|----------------------------|-----------|------------|-----|---------------|

|                                |           |              |     |               |
|--------------------------------|-----------|--------------|-----|---------------|
| 3 Relinquished By: [Signature] | Signature | Jade Preston | ENV | 4/12/24 19:24 |
|--------------------------------|-----------|--------------|-----|---------------|

|                            |           |                |     |               |
|----------------------------|-----------|----------------|-----|---------------|
| 3 Received By: [Signature] | Signature | Kevin Sientist | ENV | 4/13/24 17:54 |
|----------------------------|-----------|----------------|-----|---------------|

[illegible]

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

 ENTHALPY  
ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RinconProject: Hangar 1 NTCRA

Date Received: 4/13/24Sampler's Name Present: ☒ Yes ☐ No

Section 2

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

Sample Temp (°C), One from each cooler: #1: 3.4 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

Shipping Information: \_\_\_\_\_

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 1.2 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

Section 5 Explanations/Comments

506093

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: Glenn Sylvester Date: APR 13 2024

SOUTHWEST AIRLINES

Printed on:

12 APR 19:17

526 OAK 1150 8276

ONT

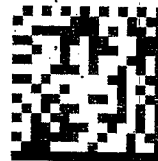
PC#

6

(122.4 KG)

OAK WN 5714 12 APR 20:35

STN FLT DATE ETD LOT



PC ID: 0006

PC WT: 30LB

526 11508276 0006

S

1.2 | 3.4

## **Results & QC Summary**



## Lead

|                                                                |  |                                 |                            |
|----------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 506093                                           |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14E-EXT-1 TO 2-240412-L-WF              |  | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-002                                      |  | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-002 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>36</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF          |  | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-003                                      |  | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-003 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>120</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA |  | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-005                                      |  | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-005 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>280</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA |  | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-008                                      |  | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-008 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>33</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-DG-2 TO 2.5-240412-L-FB             |  | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-010                                      |  | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-010 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |  | <b>8.4</b>                      | 0.50 ug/ft2                |

## Lead

|                                                                |                           |                                 |                            |
|----------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 506093                                           |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14E-DG-2.5 TO 3-240412-L-FB             | <b>Batch#:</b> 337746     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/12/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 506093-012                                      | <b>Received:</b> 04/12/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/15/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/15/24 |                                 |                            |
| <b>506093-012 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>24</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-EXT-3 TO 4-240412-L-WF              |                           | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-014                                      |                           | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-014 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>14</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-PS-3.5-240412-L-G                   |                           | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-016                                      |                           | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-016 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>76</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA |                           | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-018                                      |                           | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-018 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>32</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-DG-4 TO 4.5-240412-L-FB             |                           | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-020                                      |                           | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-020 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>20</b>                       | 0.50 ug/ft2                |

## Lead

|                                                                |  |                                 |                            |
|----------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 506093                                           |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA |  | <b>Batch#:</b> 337746           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |  | <b>Sampled:</b> 04/12/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506093-022                                      |  | <b>Received:</b> 04/12/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |  | <b>Prepared:</b> 04/15/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |  | <b>Analyzed:</b> 04/15/24       |                            |
| <b>506093-022 Analyte</b>                                      |  | <b>Result</b>                   | <b>RL</b>                  |
| <b>Lead</b>                                                    |  | <b>27</b>                       | <b>0.50</b>                |
|                                                                |  |                                 | <b>ug/ft2</b>              |

|                          |  |                           |                            |
|--------------------------|--|---------------------------|----------------------------|
| <b>Type:</b> BLANK       |  | <b>Batch#:</b> 337746     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1144511 |  | <b>Prepared:</b> 04/15/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      |  | <b>Analyzed:</b> 04/15/24 |                            |
| <b>Diln Fac:</b> 1.000   |  | <b>Prep:</b> EPA 3050B    |                            |
| <b>QC1144511 Analyte</b> |  | <b>Result</b>             | <b>RL</b>                  |
| <b>Lead</b>              |  | <b>ND</b>                 | <b>0.50</b>                |
|                          |  |                           | <b>ug/ft2</b>              |

Legend  
**ND:** Not Detected  
**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 506093

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1144512

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 337746

**Prepared:** 04/15/24

**Analyzed:** 04/15/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1144512 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 55.17  | 110  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1144513

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 337746

**Prepared:** 04/15/24

**Analyzed:** 04/15/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1144513 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 54.44  | 109  | 80-120 | ug/ft2 | 1   | 20  |

Legend

**RPD:** Relative Percent  
Difference

REPORTING SUMMARY FOR 506093 METALS Wipe  
Enthalpy Analytical - Orange

| Lab ID     | Inst ID | Analyzed       | IDF | P<br>B |
|------------|---------|----------------|-----|--------|
| 506093-002 | MET06   | 04/15/24 12:44 | 1.0 | ✓      |
| 506093-003 | MET06   | 04/15/24 12:48 | 1.0 | ✓      |
| 506093-005 | MET06   | 04/15/24 12:57 | 1.0 | ✓      |
| 506093-008 | MET06   | 04/15/24 13:01 | 1.0 | ✓      |
| 506093-010 | MET06   | 04/15/24 13:04 | 1.0 | ✓      |
| 506093-012 | MET06   | 04/15/24 13:07 | 1.0 | ✓      |
| 506093-014 | MET06   | 04/15/24 13:11 | 1.0 | ✓      |
| 506093-016 | MET06   | 04/15/24 13:14 | 1.0 | ✓      |
| 506093-018 | MET06   | 04/15/24 13:17 | 1.0 | ✓      |
| 506093-020 | MET06   | 04/15/24 13:21 | 1.0 | ✓      |
| 506093-022 | MET06   | 04/15/24 13:24 | 1.0 | ✓      |
| QC1144511  | MET06   | 04/15/24 12:18 | 1.0 | ✓      |
| QC1144512  | MET06   | 04/15/24 12:21 | 1.0 | ✓      |
| QC1144513  | MET06   | 04/15/24 12:24 | 1.0 | ✓      |

Instrument: MET06  
Method: EPA 6010B

Begun: 04/15/24 09:43

| #   | File            | Type    | Sample ID  | Matrix   | Batch  | Analyzed       | IDF  | Std's Used |                  |
|-----|-----------------|---------|------------|----------|--------|----------------|------|------------|------------------|
| 001 | met06_master011 | ICALBLK | CALBLANK   |          |        | 04/15/24 09:43 | 1.0  | 1          |                  |
| 002 | met06_master011 | ICAL    | L1         |          |        | 04/15/24 09:46 | 1.0  | 2 1        |                  |
| 003 | met06_master011 | ICAL    | L2         |          |        | 04/15/24 09:50 | 1.0  | 3 1        |                  |
| 004 | met06_master011 | ICAL    | L3         |          |        | 04/15/24 09:53 | 1.0  | 4 1        |                  |
| 005 | met06_master011 | ICAL    | L4         |          |        | 04/15/24 09:56 | 1.0  | 5 1        |                  |
| 006 | met06_master011 | ICAL    | L5         |          |        | 04/15/24 10:00 | 1.0  | 6 1        |                  |
| 007 | met06_master011 | ICAL    | L6         |          |        | 04/15/24 10:03 | 1.0  | 7 1        |                  |
| 008 | met06_master011 | ICAL    | L7         |          |        | 04/15/24 10:06 | 1.0  | 8 1        |                  |
| 009 | met06_master011 | ICAL    | L8         |          |        | 04/15/24 10:10 | 1.0  | 9 1        |                  |
| 010 | met06_master011 | ICV     |            |          |        | 04/15/24 10:17 | 1.0  | 10 1       |                  |
| 011 | met06_master011 | CRI     |            |          |        | 04/15/24 10:20 | 1.0  | 11 1       |                  |
| 012 | met06_master011 | ICB     |            |          |        | 04/15/24 10:24 | 1.0  | 1          |                  |
| 013 | met06_master011 | ICSA    |            |          |        | 04/15/24 10:27 | 1.0  | 12 1       | 6:MGASMGCO3=1300 |
| 014 | met06_master011 | ICSAB   |            |          |        | 04/15/24 10:30 | 1.0  | 13 1       | 6:MGASMGCO3=1400 |
| 015 | met06_master011 | SAMPLE  | 506295-001 | Miscell. | 337687 | 04/15/24 12:07 | 10.0 | 1          |                  |
| 016 | met06_master011 | CCV     |            |          |        | 04/15/24 12:10 | 1.0  | 10 1       |                  |
| 017 | met06_master011 | CCB     |            |          |        | 04/15/24 12:13 | 1.0  | 1          |                  |
| 018 | met06_master011 | BLANK   | QC1144511  | Wipe     | 337746 | 04/15/24 12:18 | 1.0  | 1          |                  |
| 019 | met06_master011 | BS      | QC1144512  | Wipe     | 337746 | 04/15/24 12:21 | 1.0  | 1          |                  |
| 020 | met06_master011 | BSD     | QC1144513  | Wipe     | 337746 | 04/15/24 12:24 | 1.0  | 1          |                  |
| 021 | met06_master011 | SAMPLE  | 506092-001 | Wipe     | 337746 | 04/15/24 12:28 | 1.0  | 1          | 1:FE=200         |
| 022 | met06_master011 | SAMPLE  | 506092-002 | Wipe     | 337746 | 04/15/24 12:31 | 1.0  | 1          | 2:ZN=120         |
| 023 | met06_master011 | SAMPLE  | 506092-003 | Wipe     | 337746 | 04/15/24 12:34 | 1.0  | 1          | 1:FE=200         |
| 024 | met06_master011 | SAMPLE  | 506092-004 | Wipe     | 337746 | 04/15/24 12:38 | 1.0  | 1          |                  |
| 025 | met06_master011 | SAMPLE  | 506092-005 | Wipe     | 337746 | 04/15/24 12:41 | 1.0  | 1          |                  |
| 026 | met06_master011 | SAMPLE  | 506093-002 | Wipe     | 337746 | 04/15/24 12:44 | 1.0  | 1          | 1:FE=59          |
| 027 | met06_master011 | SAMPLE  | 506093-003 | Wipe     | 337746 | 04/15/24 12:48 | 1.0  | 1          | 1:FE=99          |
| 028 | met06_master011 | CCV     |            |          |        | 04/15/24 12:51 | 1.0  | 10 1       |                  |
| 029 | met06_master011 | CCB     |            |          |        | 04/15/24 12:54 | 1.0  | 1          |                  |
| 030 | met06_master011 | SAMPLE  | 506093-005 | Wipe     | 337746 | 04/15/24 12:57 | 1.0  | 1          | 2:FE=120         |
| 031 | met06_master011 | SAMPLE  | 506093-008 | Wipe     | 337746 | 04/15/24 13:01 | 1.0  | 1          | 2:ZN=150         |
| 032 | met06_master011 | SAMPLE  | 506093-010 | Wipe     | 337746 | 04/15/24 13:04 | 1.0  | 1          | 1:FE=200         |
| 033 | met06_master011 | SAMPLE  | 506093-012 | Wipe     | 337746 | 04/15/24 13:07 | 1.0  | 1          | 1:FE=110         |
| 034 | met06_master011 | SAMPLE  | 506093-014 | Wipe     | 337746 | 04/15/24 13:11 | 1.0  | 1          | 1:FE=72          |
| 035 | met06_master011 | SAMPLE  | 506093-016 | Wipe     | 337746 | 04/15/24 13:14 | 1.0  | 1          | 1:FE=120         |
| 036 | met06_master011 | SAMPLE  | 506093-018 | Wipe     | 337746 | 04/15/24 13:17 | 1.0  | 1          | 1:FE=140         |
| 037 | met06_master011 | SAMPLE  | 506093-020 | Wipe     | 337746 | 04/15/24 13:21 | 1.0  | 1          | 1:FE=250         |
| 038 | met06_master011 | SAMPLE  | 506093-022 | Wipe     | 337746 | 04/15/24 13:24 | 1.0  | 1          | 1:FE=110         |
| 039 | met06_master011 | CCV     |            |          |        | 04/15/24 13:27 | 1.0  | 10 1       |                  |
| 040 | met06_master011 | CCB     |            |          |        | 04/15/24 13:31 | 1.0  | 1          |                  |

SBW 04/15/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 017.

SBW 04/15/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 018 through 040.

Standards Used:

1=S16862 2=S19988 3=S19987 4=S19986 5=S19985 6=S19984 7=S19983 8=S20458 9=S20135 10=S20478 11=S20459 12=S20136 13=S20273

| Date: 04/15/24           |        |             | Reference: met06_master011 |         |          |
|--------------------------|--------|-------------|----------------------------|---------|----------|
| Sequence: MET06 04/15/24 |        |             | Analyzed: 04/15/24 09:43   |         |          |
| #                        | Type   | Sample ID   | Y H                        | Y A     | Y R      |
|                          |        | ICALBLK STD | 33025300                   | 1760010 | 27459700 |
|                          |        | LOWER LIMIT | 9907590                    | 528003  | 8237910  |
|                          |        | UPPER LIMIT | 66050600                   | 3520020 | 54919400 |
| 012                      | ICB    |             | 32473300                   | 1767810 | 27101500 |
| 013                      | ICSA   |             | 28258400                   | 1533700 | 23654600 |
| 014                      | ICSAB  |             | 27925400                   | 1525080 | 23391800 |
| 015                      | SAMPLE | 506295-001  | 31749900                   | 1675280 | 25928800 |
| 016                      | CCV    |             | 30287300                   | 1649250 | 25237300 |
| 017                      | CCB    |             | 31025400                   | 1709820 | 26301600 |
| 018                      | BLANK  | QC1144511   | 30928500                   | 1672810 | 26747700 |
| 019                      | BS     | QC1144512   | 30598000                   | 1682560 | 26412700 |
| 020                      | BSD    | QC1144513   | 30450600                   | 1682040 | 26426200 |
| 021                      | SAMPLE | 506092-001  | 29986900                   | 1647290 | 26187800 |
| 022                      | SAMPLE | 506092-002  | 31179600                   | 1664960 | 25740600 |
| 023                      | SAMPLE | 506092-003  | 30591800                   | 1650950 | 26001700 |
| 024                      | SAMPLE | 506092-004  | 30638100                   | 1639990 | 25920200 |
| 025                      | SAMPLE | 506092-005  | 30108800                   | 1617480 | 25448300 |
| 026                      | SAMPLE | 506093-002  | 30676200                   | 1660190 | 26086200 |
| 027                      | SAMPLE | 506093-003  | 30861700                   | 1662390 | 26460800 |
| 028                      | CCV    |             | 30927200                   | 1677370 | 25351500 |
| 029                      | CCB    |             | 32697600                   | 1765610 | 27147900 |
| 030                      | SAMPLE | 506093-005  | 30498200                   | 1657190 | 26490300 |
| 031                      | SAMPLE | 506093-008  | 30875700                   | 1668120 | 25999700 |
| 032                      | SAMPLE | 506093-010  | 30522800                   | 1657610 | 25918400 |
| 033                      | SAMPLE | 506093-012  | 30723000                   | 1653240 | 26090800 |
| 034                      | SAMPLE | 506093-014  | 30662800                   | 1659920 | 26122500 |
| 035                      | SAMPLE | 506093-016  | 31106000                   | 1680210 | 26161800 |
| 036                      | SAMPLE | 506093-018  | 30766500                   | 1687450 | 26221400 |
| 037                      | SAMPLE | 506093-020  | 30021600                   | 1648250 | 25273300 |
| 038                      | SAMPLE | 506093-022  | 30693500                   | 1657480 | 25821900 |
| 039                      | CCV    |             | 30679800                   | 1685100 | 25701000 |
| 040                      | CCB    |             | 33119700                   | 1795820 | 27657600 |

Instrument: MET06  
 Calibration #: 484153223001  
 Units: mg/L

Date: 15-APR-2024 09:43  
 X Axis: R

| Level | File            | Seqnum       | Sample ID | Analyzed          | Standards             |
|-------|-----------------|--------------|-----------|-------------------|-----------------------|
| L1    | met06_master011 | 484153223002 | L1        | 15-APR-2024 09:46 | S19988, S16862 (100X) |
| L2    | met06_master011 | 484153223003 | L2        | 15-APR-2024 09:50 | S19987, S16862 (100X) |
| L3    | met06_master011 | 484153223004 | L3        | 15-APR-2024 09:53 | S19986, S16862 (100X) |
| L4    | met06_master011 | 484153223005 | L4        | 15-APR-2024 09:56 | S19985, S16862 (100X) |
| L5    | met06_master011 | 484153223006 | L5        | 15-APR-2024 10:00 | S19984, S16862 (100X) |
| L6    | met06_master011 | 484153223007 | L6        | 15-APR-2024 10:03 | S19983, S16862 (100X) |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.00376 | 32.8899 |    | 0.0226 | 1.000          |      | 7 | 0.995              |       |

*Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -0.011 | 0.0201 | 0.0337 | 0.0328 | 0.0304 | 0.0304 |

| Spiked Amounts / Drifts | Ch | L1     | %D  | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|-----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | -24 | 0.0100 | 4  | 0.1000 | 14 | 1.0000 | 8  | 5.0000 | 0  | 10.000 | 0  |



ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506093 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET06          | Cal Date: 15-APR-2024 |
| Calnum: 484153223001 |                       |

- ICV 484153223010 (15-APR-2024) stds: S20478, S16862 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.088 | mg/l  | 9  | 10  |       |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223012 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 10:24 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 32473300 | -1.67  |
| Yttrium             | A  | 1760010       | 1767810  | 0.44   |
| Yttrium             | R  | 27459700      | 27101500 | -1.30  |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223013 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 10:27 |
| Caldate: 15-APR-2024 |                         |

Standards: S20136, S16862 (100X)

| Analyte | Ch | Quant       | IQL      | Units | Flags |
|---------|----|-------------|----------|-------|-------|
| Lead    | A  | [0.0004429] | 0.003333 | mg/l  |       |

| Interferent | Ch | Spiked | Quant | Units | %Rec | Flags |
|-------------|----|--------|-------|-------|------|-------|
| Iron        | A  | 160.0  | 140.3 | mg/l  | 88   |       |
| Aluminum    | R  | 400.0  | 361.9 | mg/l  | 90   |       |
| Calcium     | R  | 400.0  | 220.7 | mg/l  | 55   |       |
| Magnesium   | R  | 400.0  | 379.9 | mg/l  | 95   |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 28258400 | -14.43 |
| Yttrium             | A  | 1760010       | 1533700  | -12.86 |
| Yttrium             | R  | 27459700      | 23654600 | -13.86 |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223014 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 10:30 |
| Caldate: 15-APR-2024 |                         |

Standards: S20273, S16862 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.053 | mg/l  | 5  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 27925400 | -15.44 |
| Yttrium             | A  | 1760010       | 1525080  | -13.35 |
| Yttrium             | R  | 27459700      | 23391800 | -14.81 |

ENTHALPY CONTINUING CALIBRATION FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223016 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:10 |
| Caldate: 15-APR-2024 |                         |

Standards: S20478, S16862 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | 0.0226         | 0.0328    | 1.000  | 1.081 | mg/l  | 8  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 30287300 | -8.29  |
| Yttrium             | A  | 1760010       | 1649250  | -6.29  |
| Yttrium             | R  | 27459700      | 25237300 | -8.09  |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223017 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:13 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 31025400 | -6.06  |
| Yttrium             | A  | 1760010       | 1709820  | -2.85  |
| Yttrium             | R  | 27459700      | 26301600 | -4.22  |

ENTHALPY CONTINUING CALIBRATION FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223028 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:51 |
| Caldate: 15-APR-2024 |                         |

Standards: S20478, S16862 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | 0.0226         | 0.0328    | 1.000  | 1.082 | mg/l  | 8  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 30927200 | -6.35  |
| Yttrium             | A  | 1760010       | 1677370  | -4.70  |
| Yttrium             | R  | 27459700      | 25351500 | -7.68  |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223029 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:54 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 32697600 | -0.99  |
| Yttrium             | A  | 1760010       | 1765610  | 0.32   |
| Yttrium             | R  | 27459700      | 27147900 | -1.14  |



ENTHALPY CONTINUING CALIBRATION FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223039 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 13:27 |
| Caldate: 15-APR-2024 |                         |

Standards: S20478, S16862 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | 0.0226         | 0.0325    | 1.000  | 1.071 | mg/l  | 7  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 30679800 | -7.10  |
| Yttrium             | A  | 1760010       | 1685100  | -4.26  |
| Yttrium             | R  | 27459700      | 25701000 | -6.40  |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223040 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 13:31 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 33119700 | 0.29   |
| Yttrium             | A  | 1760010       | 1795820  | 2.03   |
| Yttrium             | R  | 27459700      | 27657600 | 0.72   |

SAMPLE PREPARATION SUMMARY

|                 |                              |                  |
|-----------------|------------------------------|------------------|
| Batch #: 337746 | Prep Date: 15-APR-2024 10:00 | Started By: MLL  |
| Analysis: ICP   | Method: 3050B                | Finished By: MLL |

| Sample          | Matrix | Initial    | Final | Prep DF | pH | Spike S20344 | Spike S20345 | Analysis |
|-----------------|--------|------------|-------|---------|----|--------------|--------------|----------|
| QC1144511 BLANK | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | ICP      |
| QC1144512 BS    | Wipe   | 1 ft2      | 50 mL | 50.0    |    | .5 mL        | .5 mL        | ICP      |
| QC1144513 BSD   | Wipe   | 1 ft2      | 50 mL | 50.0    |    | .5 mL        | .5 mL        | ICP      |
| 506092-001      | Wipe   | 1.02 ft2   | 50 mL | 49.02   |    |              |              | 6010     |
| 506092-002      | Wipe   | 1.02 ft2   | 50 mL | 49.02   |    |              |              | 6010     |
| 506092-003      | Wipe   | 1.02 ft2   | 50 mL | 49.02   |    |              |              | 6010     |
| 506092-004      | Wipe   | 1.02 ft2   | 50 mL | 49.02   |    |              |              | 6010     |
| 506092-005      | Wipe   | 1.02 ft2   | 50 mL | 49.02   |    |              |              | 6010     |
| 506093-002      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 506093-003      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 506093-005      | Wipe   | 1.01 ft2   | 50 mL | 49.50   |    |              |              | 6010     |
| 506093-008      | Wipe   | 1.01 ft2   | 50 mL | 49.50   |    |              |              | 6010     |
| 506093-010      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 506093-012      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 506093-014      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 506093-016      | Wipe   | 1.0552 ft2 | 50 mL | 47.38   |    |              |              | 6010     |
| 506093-018      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 506093-020      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |
| 506093-022      | Wipe   | 1 ft2      | 50 mL | 50.0    |    |              |              | 6010     |

**Analyst:** SBW 04/15/24

**Reviewer:** KLN 04/16/24

# ICP and ICP-MS Prep Log for Soil/Misc.

Initials: ML Prep Method: 3050B / 3051 / Other:            OC Batch #: 337746 Therm ID/Corr Factor: 946625 0  
 Prep Start Date/Time: 4/15/24 10:00 Prep End Date/Time: 4/15/24 11:53 HotBlock Temp (Obs/Corr), °C: 90 / 90  
 HotBlock ID: 11

| Sample ID | Bottle # | Sample pH<br>(Water Only) | Sample Appearance | Initial Weight<br>g | Bal. ID | Final Vol<br>(mL) | Digestion<br>Tube Lot# | Comment |
|-----------|----------|---------------------------|-------------------|---------------------|---------|-------------------|------------------------|---------|
| Blank     |          |                           |                   |                     |         | 50                | M4015000124            |         |
| LCS       |          |                           |                   |                     |         |                   |                        |         |
| 506092-1  | A        |                           | Wipe              | 1.0200              |         |                   |                        |         |
| -2        |          |                           |                   |                     |         |                   |                        |         |
| -3        |          |                           |                   |                     |         |                   |                        |         |
| -4        |          |                           |                   |                     |         |                   |                        |         |
| -5        |          |                           |                   | 1.0000              |         |                   |                        |         |
| 093-2     |          |                           |                   |                     |         |                   |                        |         |
| -3        |          |                           |                   |                     |         |                   |                        |         |
| -5        |          |                           |                   | 1.0100              |         |                   |                        |         |
| -8        |          |                           |                   |                     |         |                   |                        |         |
| -10       |          |                           |                   | 1.0000              |         |                   |                        |         |
| -12       |          |                           |                   |                     |         |                   |                        |         |
| -14       |          |                           |                   |                     |         |                   |                        |         |
| -16       |          |                           |                   | 1.0552              |         |                   |                        |         |
| -18       |          |                           |                   | 1.0000              |         |                   |                        |         |
| -20       |          |                           |                   |                     |         |                   |                        |         |
| -22       |          |                           |                   |                     |         |                   |                        |         |
| LCS D     |          |                           |                   |                     |         |                   |                        |         |

Hydrochloric Acid ID: 0umf 24006801  
 Nitric Acid ID: 10umf 2873030909  
 H<sub>2</sub>O<sub>2</sub> ID: 3umf 8683302

LCS Spike ID: 0.5umf 520344, 520345  
 MS/MSD Spike ID:             
 Gold Std ID:

## ICP Raw Data

Instrument: MET06  
Method: EPA 6010B

Begun: 04/15/24 09:43

| #   | File            | Type    | Sample ID  | Matrix   | Batch  | Analyzed       | IDF  | Std's Used |                  |
|-----|-----------------|---------|------------|----------|--------|----------------|------|------------|------------------|
| 001 | met06_master011 | ICALBLK | CALBLANK   |          |        | 04/15/24 09:43 | 1.0  | 1          |                  |
| 002 | met06_master011 | ICAL    | L1         |          |        | 04/15/24 09:46 | 1.0  | 2 1        |                  |
| 003 | met06_master011 | ICAL    | L2         |          |        | 04/15/24 09:50 | 1.0  | 3 1        |                  |
| 004 | met06_master011 | ICAL    | L3         |          |        | 04/15/24 09:53 | 1.0  | 4 1        |                  |
| 005 | met06_master011 | ICAL    | L4         |          |        | 04/15/24 09:56 | 1.0  | 5 1        |                  |
| 006 | met06_master011 | ICAL    | L5         |          |        | 04/15/24 10:00 | 1.0  | 6 1        |                  |
| 007 | met06_master011 | ICAL    | L6         |          |        | 04/15/24 10:03 | 1.0  | 7 1        |                  |
| 008 | met06_master011 | ICAL    | L7         |          |        | 04/15/24 10:06 | 1.0  | 8 1        |                  |
| 009 | met06_master011 | ICAL    | L8         |          |        | 04/15/24 10:10 | 1.0  | 9 1        |                  |
| 010 | met06_master011 | ICV     |            |          |        | 04/15/24 10:17 | 1.0  | 10 1       |                  |
| 011 | met06_master011 | CRI     |            |          |        | 04/15/24 10:20 | 1.0  | 11 1       |                  |
| 012 | met06_master011 | ICB     |            |          |        | 04/15/24 10:24 | 1.0  | 1          |                  |
| 013 | met06_master011 | ICSA    |            |          |        | 04/15/24 10:27 | 1.0  | 12 1       | 6:MGASMGCO3=1300 |
| 014 | met06_master011 | ICSAB   |            |          |        | 04/15/24 10:30 | 1.0  | 13 1       | 6:MGASMGCO3=1400 |
| 015 | met06_master011 | SAMPLE  | 506295-001 | Miscell. | 337687 | 04/15/24 12:07 | 10.0 | 1          |                  |
| 016 | met06_master011 | CCV     |            |          |        | 04/15/24 12:10 | 1.0  | 10 1       |                  |
| 017 | met06_master011 | CCB     |            |          |        | 04/15/24 12:13 | 1.0  | 1          |                  |
| 018 | met06_master011 | BLANK   | QC1144511  | Wipe     | 337746 | 04/15/24 12:18 | 1.0  | 1          |                  |
| 019 | met06_master011 | BS      | QC1144512  | Wipe     | 337746 | 04/15/24 12:21 | 1.0  | 1          |                  |
| 020 | met06_master011 | BSD     | QC1144513  | Wipe     | 337746 | 04/15/24 12:24 | 1.0  | 1          |                  |
| 021 | met06_master011 | SAMPLE  | 506092-001 | Wipe     | 337746 | 04/15/24 12:28 | 1.0  | 1          | 1:FE=200         |
| 022 | met06_master011 | SAMPLE  | 506092-002 | Wipe     | 337746 | 04/15/24 12:31 | 1.0  | 1          | 2:ZN=120         |
| 023 | met06_master011 | SAMPLE  | 506092-003 | Wipe     | 337746 | 04/15/24 12:34 | 1.0  | 1          | 1:FE=200         |
| 024 | met06_master011 | SAMPLE  | 506092-004 | Wipe     | 337746 | 04/15/24 12:38 | 1.0  | 1          |                  |
| 025 | met06_master011 | SAMPLE  | 506092-005 | Wipe     | 337746 | 04/15/24 12:41 | 1.0  | 1          |                  |
| 026 | met06_master011 | SAMPLE  | 506093-002 | Wipe     | 337746 | 04/15/24 12:44 | 1.0  | 1          | 1:FE=59          |
| 027 | met06_master011 | SAMPLE  | 506093-003 | Wipe     | 337746 | 04/15/24 12:48 | 1.0  | 1          | 1:FE=99          |
| 028 | met06_master011 | CCV     |            |          |        | 04/15/24 12:51 | 1.0  | 10 1       |                  |
| 029 | met06_master011 | CCB     |            |          |        | 04/15/24 12:54 | 1.0  | 1          |                  |
| 030 | met06_master011 | SAMPLE  | 506093-005 | Wipe     | 337746 | 04/15/24 12:57 | 1.0  | 1          | 2:FE=120         |
| 031 | met06_master011 | SAMPLE  | 506093-008 | Wipe     | 337746 | 04/15/24 13:01 | 1.0  | 1          | 2:ZN=150         |
| 032 | met06_master011 | SAMPLE  | 506093-010 | Wipe     | 337746 | 04/15/24 13:04 | 1.0  | 1          | 1:FE=200         |
| 033 | met06_master011 | SAMPLE  | 506093-012 | Wipe     | 337746 | 04/15/24 13:07 | 1.0  | 1          | 1:FE=110         |
| 034 | met06_master011 | SAMPLE  | 506093-014 | Wipe     | 337746 | 04/15/24 13:11 | 1.0  | 1          | 1:FE=72          |
| 035 | met06_master011 | SAMPLE  | 506093-016 | Wipe     | 337746 | 04/15/24 13:14 | 1.0  | 1          | 1:FE=120         |
| 036 | met06_master011 | SAMPLE  | 506093-018 | Wipe     | 337746 | 04/15/24 13:17 | 1.0  | 1          | 1:FE=140         |
| 037 | met06_master011 | SAMPLE  | 506093-020 | Wipe     | 337746 | 04/15/24 13:21 | 1.0  | 1          | 1:FE=250         |
| 038 | met06_master011 | SAMPLE  | 506093-022 | Wipe     | 337746 | 04/15/24 13:24 | 1.0  | 1          | 1:FE=110         |
| 039 | met06_master011 | CCV     |            |          |        | 04/15/24 13:27 | 1.0  | 10 1       |                  |
| 040 | met06_master011 | CCB     |            |          |        | 04/15/24 13:31 | 1.0  | 1          |                  |

SBW 04/15/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 017.

SBW 04/15/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 018 through 040.

Standards Used:

1=S16862 2=S19988 3=S19987 4=S19986 5=S19985 6=S19984 7=S19983 8=S20458 9=S20135 10=S20478 11=S20459 12=S20136 13=S20273

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                             |
|-----------------------|----------------------|---------------------------------------------|
| Inst: MET06           | Lab ID: 506093-002   | Client ID: ARCH-C14E-EXT-1 TO 2-240412-L-WF |
| Seqnum: 484153223026  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                      |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 12:44                     |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                             |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                               |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.7249 | 36     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1660190      | -5.67  |

U=use

| Sample Name: 506093-002,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 12:44:44 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 60203.80000       | 625155            | 7147.820000         | 15249.70000     | 16524.70000                 | 5051390         | 15562.20000       |
| Int RSD                           | 0.2774958         | 0.5442618         | 0.5384341           | 0.8070978       | 0.6437394                   | 0.3652242       | 0.6815168         |
| Int SD                            | 167.0630000       | 3402.480000       | 38.4863000          | 123.0800000     | 106.3760000                 | 18448.90000     | 106.0590000       |
| RelInt Mean                       | 0.0000194         | 0.0213338         | -0.0006125          | 0.0024064       | 0.0033946                   | 0.1926760       | 0.0032252         |
| RelInt RSD                        | 23.7371271        | 1.9295906         | 2.6526794           | 3.6875790       | 0.9498116                   | 1.4582044       | 2.0298464         |
| RelInt SD                         | 0.0000046         | 0.0004117         | 0.0000162           | 0.0000887       | 0.0000322                   | 0.0028096       | 0.0000655         |
| Conc Mean                         | <-0.0006203[mg/l] | 1.5605500[mg/l]   | <-0.0289929[mg/l]   | 0.0231152[mg/l] | 0.0090661[mg/l]             | 7.2774600[mg/l] | 0.0161303[mg/l]   |
| Conc RSD                          | 27.1587245        | 1.9308385         | 2.8456864           | 4.1663754       | 0.9701868                   | 1.4831548       | 2.1090370         |
| Conc SD                           | 0.0001685[mg/l]   | 0.0301317[mg/l]   | 0.0008250[mg/l]     | 0.0009631[mg/l] | 0.0000880[mg/l]             | 0.1079360[mg/l] | 0.0003402[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                          | 20960.60000       | 194383            | 29353700            | 152557          | 335593                      | 1358250         | 7159.860000       |
| Int RSD                           | 0.8579096         | 1.4390868         | 0.0065707           | 0.6784415       | 0.2422732                   | 0.8246199       | 0.4527128         |
| Int SD                            | 179.8230000       | 2797.340000       | 1928.730000         | 1035.010000     | 813.0520000                 | 11200.40000     | 32.4136000        |
| RelInt Mean                       | 0.0062853         | 0.0045169         | 17.8068000          | 0.0054618       | 0.0104746                   | 0.8164730       | -0.0003720        |
| RelInt RSD                        | 2.1362101         | 1.2835266         | 0.5708550           | 1.6259230       | 1.6628129                   | 1.4156622       | 7.1336992         |
| RelInt SD                         | 0.0001343         | 0.0000580         | 0.1016510           | 0.0000888       | 0.0001742                   | 0.0115585       | 0.0000265         |
| Conc Mean                         | 0.0392737[mg/l]   | 0.1401220[mg/l]   | 59.2637000[mg/l]    | 1.3562800[mg/l] | 3.1543900[mg/l]             | 0.5216160[mg/l] | <-0.0032443[mg/l] |
| Conc RSD                          | 2.1253536         | 1.3163743         | 0.5709819           | 1.6337629       | 1.7503448                   | 1.4160589       | 6.4899362         |
| Conc SD                           | 0.0008347[mg/l]   | 0.0018445[mg/l]   | 0.3383850[mg/l]     | 0.0221584[mg/l] | 0.0552127[mg/l]             | 0.0073864[mg/l] | 0.0002106[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                          | 1862530           | 19009.60000       | 46455.90000         | 8088.280000     | 7770.780000                 | 12391.40000     | 497572            |
| Int RSD                           | 0.2820395         | 0.5070564         | 0.4181794           | 0.5778583       | 0.7004741                   | 0.9384815       | 0.6560839         |
| Int SD                            | 5253.070000       | 96.3894000        | 194.2690000         | 46.7388000      | 54.4323000                  | 116.2910000     | 3264.490000       |
| RelInt Mean                       | 0.0700771         | 0.0048425         | 0.0220334           | 0.0000951       | 0.0004152                   | 0.0012152       | 0.0171808         |
| RelInt RSD                        | 1.2557669         | 0.7948370         | 1.1295533           | 16.7643581      | 11.8706618                  | 2.1131144       | 1.6558833         |
| RelInt SD                         | 0.0008800         | 0.0000385         | 0.0002489           | 0.0000160       | 0.0000493                   | 0.0000257       | 0.0002845         |
| Conc Mean                         | 2.4581200[mg/l]   | 0.0378875[mg/l]   | 0.7249300[mg/l]     | 0.0061774[mg/l] | 0.0284964[mg/l]             | 0.0232094[mg/l] | 0.0841881[mg/l]   |
| Conc RSD                          | 1.2617976         | 0.7861089         | 1.1280772           | 12.1073071      | 11.7036187                  | 2.2022715       | 1.8219915         |
| Conc SD                           | 0.0310165[mg/l]   | 0.0002978[mg/l]   | 0.0081778[mg/l]     | 0.0007479[mg/l] | 0.0033351[mg/l]             | 0.0005111[mg/l] | 0.0015339[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                          | 968048            | 7246.130000       | 18290.60000         | 1660190         | 30676200                    | 26086200        | 4571330           |
| Int RSD                           | 1.7165368         | 0.5088744         | 0.6389238           | 0.5710870       | 0.7057263                   | 1.4863108       | 0.2091540         |
| Int SD                            | 16616.90000       | 36.8737000        | 116.8630000         | 9481.130000     | 216490                      | 387722          | 9561.120000       |
| RelInt Mean                       | 0.0294853         | -0.0007137        | 0.0001057           | ---             | ---                         | ---             | 2.7697100         |
| RelInt RSD                        | 1.5065236         | 1.7426705         | 0.9598699           | ---             | ---                         | ---             | 0.4171628         |
| RelInt SD                         | 0.0004442         | 0.0000124         | 0.0000010           | ---             | ---                         | ---             | 0.0115542         |
| Conc Mean                         | 0.2557130[mg/l]   | <-0.0449493[mg/l] | 0.0079790[mg/l]     | 1647630         | 30587000                    | 26016300        | 9.0745000[mg/l]   |
| Conc RSD                          | 1.5072718         | 1.7566636         | 2.0285298           | ---             | ---                         | ---             | 0.4173354         |
| Conc SD                           | 0.0038543[mg/l]   | 0.0007896[mg/l]   | 0.0001619[mg/l]     | 9483.940000     | 216609                      | 388033          | 0.0378711[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 34400.20000       | 45913.70000       | 463742              | 74560.60000     | 10720.00000                 | 60952.80000     |                   |
| Int RSD                           | 1.2643880         | 0.2488168         | 2.0160154           | 0.5876884       | 0.7828274                   | 0.7581998       |                   |
| Int SD                            | 434.9520000       | 114.2410000       | 9349.110000         | 438.1840000     | 83.9191000                  | 462.1440000     |                   |
| RelInt Mean                       | -0.0005324        | 0.0005901         | 0.2739270           | 0.0404039       | 0.0000592                   | 0.0324416       |                   |
| RelInt RSD                        | 1.8622405         | 1.2809085         | 1.7093970           | 1.2488423       | 157.4779905                 | 1.3998138       |                   |
| RelInt SD                         | 0.0000099         | 0.0000076         | 0.0046825           | 0.0005046       | 0.0000933                   | 0.0004541       |                   |
| Conc Mean                         | <-0.0000529[mg/l] | 0.0010376[mg/l]   | 3.9485100[mg/l]     | 1.0909400[mg/l] | <0.0000695[mg/l]            | 2.8018600[mg/l] |                   |
| Conc RSD                          | 46.0644973        | 1.6978528         | 1.7134995           | 1.2556328       | 450.7211746                 | 1.3915720       |                   |
| Conc SD                           | 0.0000244[mg/l]   | 0.0000176[mg/l]   | 0.0676577[mg/l]     | 0.0136982[mg/l] | 0.0003131[mg/l]             | 0.0389899[mg/l] |                   |



ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                                 |
|-----------------------|----------------------|-------------------------------------------------|
| Inst: MET06           | Lab ID: 506093-003   | Client ID: ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF |
| Seqnum: 484153223027  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                          |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 12:48                         |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                                 |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                                   |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 2.402 | 120    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1662390      | -5.55  |

U=use

| Sample Name: 506093-003,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 12:48:04 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 60418.90000       | 1177640           | 7021.280000         | 15335.20000     | 20547.00000                 | 5527840         | 19549.30000       |
| Int RSD                           | 0.9139756         | 0.2274150         | 1.0030635           | 1.8235497       | 0.6084003                   | 0.2991114       | 0.3749587         |
| Int SD                            | 552.2140000       | 2678.130000       | 70.4279000          | 279.6450000     | 125.0080000                 | 16534.40000     | 73.3018000        |
| RelInt Mean                       | 0.0000078         | 0.0418613         | -0.0004477          | 0.0020392       | 0.0056374                   | 0.2079830       | 0.0055053         |
| RelInt RSD                        | 22.3855214        | 1.9749673         | 5.6909610           | 9.1220043       | 1.7902370                   | 2.0083949       | 0.9935517         |
| RelInt SD                         | 0.0000017         | 0.0008267         | 0.0000255           | 0.0001860       | 0.0001009                   | 0.0041771       | 0.0000547         |
| Conc Mean                         | <-0.0010455[mg/l] | 3.0631700[mg/l]   | <-0.0206591[mg/l]   | 0.0191299[mg/l] | 0.0151339[mg/l]             | 7.8656000[mg/l] | 0.0277067[mg/l]   |
| Conc RSD                          | 6.0936038         | 1.9758420         | 6.2761689           | 10.5527995      | 1.8115423                   | 2.0405182       | 1.0916746         |
| Conc SD                           | 0.0000637[mg/l]   | 0.0605234[mg/l]   | 0.0012966[mg/l]     | 0.0020187[mg/l] | 0.0002742[mg/l]             | 0.1604990[mg/l] | 0.0003025[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                          | 29637.90000       | 281907            | 49105400            | 129226          | 406813                      | 2457010         | 7739.380000       |
| Int RSD                           | 4.1041032         | 1.0960565         | 1.1630615           | 1.3852243       | 0.4540194                   | 0.8130899       | 0.8518512         |
| Int SD                            | 1216.370000       | 3089.860000       | 571126              | 1790.070000     | 1847.010000                 | 19977.70000     | 65.9280000        |
| RelInt Mean                       | 0.0112224         | 0.0073116         | 29.7660000          | 0.0045037       | 0.0129731                   | 1.4811700       | -0.0002318        |
| RelInt RSD                        | 6.7873360         | 0.4094972         | 1.4292952           | 3.2761354       | 2.3526759                   | 1.0554224       | 20.1779935        |
| RelInt SD                         | 0.0007617         | 0.0000299         | 0.4254440           | 0.0001475       | 0.0003052                   | 0.0156326       | 0.0000468         |
| Conc Mean                         | 0.0699654[mg/l]   | 0.2290260[mg/l]   | >99.0665000[mg/l]   | 1.1171700[mg/l] | 3.9465000[mg/l]             | 0.9464060[mg/l] | <-0.0021313[mg/l] |
| Conc RSD                          | 6.7676880         | 0.4158187         | 1.4294136           | 3.2957741       | 2.4519676                   | 1.0557097       | 17.4063248        |
| Conc SD                           | 0.0047350[mg/l]   | 0.0009523[mg/l]   | 1.4160700[mg/l]     | 0.0368194[mg/l] | 0.0967669[mg/l]             | 0.0099913[mg/l] | 0.0003710[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                          | 1625710           | 25444.60000       | 131165              | 8536.410000     | 7584.570000                 | 12472.00000     | 595206            |
| Int RSD                           | 1.0365625         | 0.6603562         | 0.5909648           | 0.4190099       | 0.0376096                   | 1.3050112       | 1.0392184         |
| Int SD                            | 16851.50000       | 168.0250000       | 775.1390000         | 35.7684000      | 2.8525300                   | 162.7610000     | 6185.490000       |
| RelInt Mean                       | 0.0601458         | 0.0085035         | 0.0731008           | 0.0000784       | 0.0003233                   | 0.0017342       | 0.0205924         |
| RelInt RSD                        | 2.7370656         | 1.0635269         | 0.9346505           | 59.2907906      | 10.3554072                  | 4.4165595       | 2.8959568         |
| RelInt SD                         | 0.0016462         | 0.0000904         | 0.0006832           | 0.0000465       | 0.0000335                   | 0.0000766       | 0.0005963         |
| Conc Mean                         | 2.1080800[mg/l]   | 0.0662203[mg/l]   | 2.4019900[mg/l]     | 0.0052090[mg/l] | 0.0222750[mg/l]             | 0.0335417[mg/l] | 0.1025810[mg/l]   |
| Conc RSD                          | 2.7525046         | 1.0569478         | 0.9337258           | 41.8270929      | 10.1691134                  | 4.5461918       | 3.1342451         |
| Conc SD                           | 0.0580250[mg/l]   | 0.0006999[mg/l]   | 0.0224280[mg/l]     | 0.0021788[mg/l] | 0.0022652[mg/l]             | 0.0015249[mg/l] | 0.0032151[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                          | 1427610           | 7144.400000       | 19855.30000         | 1662390         | 30861700                    | 26460800        | 12382200          |
| Int RSD                           | 8.4128719         | 0.3334024         | 0.2354092           | 0.3079356       | 0.9817346                   | 1.7916163       | 0.6542989         |
| Int SD                            | 120103            | 23.8196000        | 46.7412000          | 5119.090000     | 302980                      | 474076          | 81016.60000       |
| RelInt Mean                       | 0.0441976         | -0.0005998        | 0.0001452           | ---             | ---                         | ---             | 7.5025000         |
| RelInt RSD                        | 8.4499385         | 6.0388461         | 3.8477615           | ---             | ---                         | ---             | 0.7125105         |
| RelInt SD                         | 0.0037347         | 0.0000362         | 0.0000056           | ---             | ---                         | ---             | 0.0534561         |
| Conc Mean                         | 0.3833770[mg/l]   | <-0.0379576[mg/l] | 0.0142681[mg/l]     | 1649160         | 30771200                    | 26389200        | 24.5864000[mg/l]  |
| Conc RSD                          | 8.4532197         | 5.9516144         | 6.2444614           | ---             | ---                         | ---             | 0.7126419         |
| Conc SD                           | 0.0324077[mg/l]   | 0.0022591[mg/l]   | 0.0008910[mg/l]     | 5137.920000     | 302498                      | 472986          | 0.1752130[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 35174.20000       | 54743.30000       | 870952              | 61589.40000     | 11145.80000                 | 58041.00000     |                   |
| Int RSD                           | 0.2450674         | 0.9325689         | 2.2835013           | 0.8564980       | 0.9564051                   | 0.9558777       |                   |
| Int SD                            | 86.2005000        | 510.5190000       | 19888.20000         | 527.5120000     | 106.5990000                 | 554.8010000     |                   |
| RelInt Mean                       | -0.0004989        | 0.0009086         | 0.5195660           | 0.0328213       | -0.0000790                  | 0.0308334       |                   |
| RelInt RSD                        | 0.4851822         | 0.9973200         | 2.2781514           | 1.2036635       | 105.5328902                 | 1.4089883       |                   |
| RelInt SD                         | 0.0000024         | 0.0000091         | 0.0118365           | 0.0003951       | 0.0000833                   | 0.0004344       |                   |
| Conc Mean                         | <0.0000294[mg/l]  | 0.0017797[mg/l]   | 7.4978700[mg/l]     | 0.8851090[mg/l] | <-0.0004206[mg/l]           | 2.6637800[mg/l] |                   |
| Conc RSD                          | 20.2040719        | 1.1864609         | 2.2810211           | 1.2115796       | 64.8375975                  | 1.4003033       |                   |
| Conc SD                           | 0.0000059[mg/l]   | 0.0000211[mg/l]   | 0.1710280[mg/l]     | 0.0107238[mg/l] | 0.0002727[mg/l]             | 0.0373010[mg/l] |                   |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                                          |
|-----------------------|----------------------|----------------------------------------------------------|
| Inst: MET06           | Lab ID: 506093-005   | Client ID: ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA |
| Seqnum: 484153223030  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 12:57                                  |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                                          |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                                            |

- 1.01 ft2 ⇒ 50.0 ml = 49.50 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 5.589 | 280    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1657190      | -5.84  |

U=use

| Sample Name: 506093-005,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 12:57:59 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 59947.50000       | 1127120           | 8758.210000         | 15807.60000     | 21173.80000                 | 6191780         | 17999.40000       |
| Int RSD                           | 1.5319671         | 0.8654305         | 0.9539084           | 0.4457641       | 0.6388839                   | 0.4594075       | 0.9537262         |
| Int SD                            | 918.3760000       | 9754.440000       | 83.5453000          | 70.4646000      | 135.2760000                 | 28445.50000     | 171.6650000       |
| RelInt Mean                       | -0.0000048        | 0.0398084         | 0.0005177           | 0.0021690       | 0.0059333                   | 0.2327910       | 0.0045218         |
| RelInt RSD                        | 91.8113600        | 0.4298163         | 5.7449669           | 5.4657821       | 2.4640969                   | 0.5333067       | 3.4063346         |
| RelInt SD                         | 0.0000044         | 0.0001711         | 0.0000297           | 0.0001186       | 0.0001462                   | 0.0012415       | 0.0001540         |
| Conc Mean                         | <-0.0015071[mg/l] | 2.9128900[mg/l]   | 0.0283236[mg/l]     | 0.0205391[mg/l] | 0.0159326[mg/l]             | 8.8188500[mg/l] | 0.0225734[mg/l]   |
| Conc RSD                          | 10.7848237        | 0.4299613         | 5.3315963           | 6.2641985       | 2.4769278                   | 0.5408449       | 3.2379128         |
| Conc SD                           | 0.0001625[mg/l]   | 0.0125243[mg/l]   | 0.0015101[mg/l]     | 0.0012866[mg/l] | 0.0003946[mg/l]             | 0.0476963[mg/l] | 0.0007309[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                          | 29849.90000       | 694961            | 59179800            | 165002          | 436358                      | 2090200         | 8403.320000       |
| Int RSD                           | 0.2835071         | 1.3159688         | 0.7245344           | 0.2261415       | 0.5155056                   | 0.7351354       | 0.2931068         |
| Int SD                            | 84.6266000        | 9145.470000       | 428778              | 373.1380000     | 2249.450000                 | 15365.80000     | 24.6307000        |
| RelInt Mean                       | 0.0112558         | 0.0209669         | 35.9946000          | 0.0058456       | 0.0140721                   | 1.2628100       | -0.0001493        |
| RelInt RSD                        | 1.7962028         | 2.4900248         | 1.8752618           | 0.4942889       | 0.0130260                   | 1.9436970       | 35.0926174        |
| RelInt SD                         | 0.0002022         | 0.0005221         | 0.6749930           | 0.0000289       | 0.0000018                   | 0.0245452       | 0.0000524         |
| Conc Mean                         | 0.0701733[mg/l]   | 0.6634170[mg/l]   | >119.7960000[mg/l]  | 1.4520700[mg/l] | 4.2949300[mg/l]             | 0.8068550[mg/l] | <-0.0014774[mg/l] |
| Conc RSD                          | 1.7910231         | 2.5035084         | 1.8752713           | 0.4966021       | 0.0133880                   | 1.9442899       | 28.1392059        |
| Conc SD                           | 0.0012568[mg/l]   | 0.0166087[mg/l]   | 2.2465000[mg/l]     | 0.0072110[mg/l] | 0.0005750[mg/l]             | 0.0156876[mg/l] | 0.0004157[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                          | 2084300           | 57590.60000       | 290432              | 9547.570000     | 7759.680000                 | 16577.80000     | 684744            |
| Int RSD                           | 0.4891330         | 0.2591100         | 0.5819607           | 1.1961892       | 1.2627518                   | 0.2799075       | 0.8975208         |
| Int SD                            | 10195.00000       | 149.2230000       | 1690.200000         | 114.2070000     | 97.9855000                  | 46.4025000      | 6145.720000       |
| RelInt Mean                       | 0.0773639         | 0.0280275         | 0.1700370           | 0.0003014       | 0.0003537                   | 0.0040976       | 0.0239351         |
| RelInt RSD                        | 0.4592607         | 1.6913603         | 1.8664350           | 16.1083680      | 8.8740604                   | 2.7530018       | 1.4416693         |
| RelInt SD                         | 0.0003553         | 0.0004740         | 0.0031736           | 0.0000485       | 0.0000314                   | 0.0001128       | 0.0003451         |
| Conc Mean                         | 2.7149600[mg/l]   | 0.2173190[mg/l]   | 5.5890000[mg/l]     | 0.0157134[mg/l] | 0.0243379[mg/l]             | 0.0805917[mg/l] | 0.1206030[mg/l]   |
| Conc RSD                          | 0.4613696         | 1.6879840         | 1.8652174           | 14.5834765      | 8.7277045                   | 2.7866145       | 1.5429550         |
| Conc SD                           | 0.0125260[mg/l]   | 0.0036683[mg/l]   | 0.1042470[mg/l]     | 0.0022916[mg/l] | 0.0021241[mg/l]             | 0.0022458[mg/l] | 0.0018608[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                          | 1506770           | 7305.090000       | 19190.20000         | 1657190         | 30498200                    | 26490300        | 26528500          |
| Int RSD                           | 12.0167643        | 1.2254538         | 1.7947859           | 1.4553551       | 3.5938842                   | 0.5063099       | 0.8189193         |
| Int SD                            | 181065            | 89.5205000        | 344.4230000         | 24118.00000     | 1096070                     | 134123          | 217247            |
| RelInt Mean                       | 0.0472568         | -0.0006454        | 0.0001231           | ---             | ---                         | ---             | 16.1310000        |
| RelInt RSD                        | 9.3882574         | 5.5425271         | 4.1593461           | ---             | ---                         | ---             | 1.0049842         |
| RelInt SD                         | 0.0044366         | 0.0000358         | 0.0000051           | ---             | ---                         | ---             | 0.1621140         |
| Conc Mean                         | 0.4099240[mg/l]   | <-0.0409594[mg/l] | 0.0107559[mg/l]     | 1643900         | 30408300                    | 26419100        | >52.8669000[mg/l] |
| Conc RSD                          | 9.3916189         | 5.7384630         | 7.5955987           | ---             | ---                         | ---             | 1.0048650         |
| Conc SD                           | 0.0384985[mg/l]   | 0.0023504[mg/l]   | 0.0008170[mg/l]     | 24075.80000     | 1095000                     | 133897          | 0.5312410[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 35137.00000       | 63374.30000       | 794779              | 63170.00000     | 11391.60000                 | 71696.60000     |                   |
| Int RSD                           | 1.4343655         | 0.3918102         | 1.1061440           | 0.9195378       | 0.5108369                   | 0.1242010       |                   |
| Int SD                            | 503.9930000       | 248.3070000       | 8791.400000         | 580.8720000     | 58.1925000                  | 89.0479000      |                   |
| RelInt Mean                       | -0.0005133        | 0.0012330         | 0.4748480           | 0.0337909       | -0.0000627                  | 0.0391607       |                   |
| RelInt RSD                        | 4.7826121         | 0.3751434         | 2.038740            | 1.8907842       | 67.6439961                  | 1.3009292       |                   |
| RelInt SD                         | 0.0000245         | 0.0000046         | 0.0096578           | 0.0006389       | 0.0000424                   | 0.0005095       |                   |
| Conc Mean                         | <-0.0000058[mg/l] | 0.0025357[mg/l]   | 6.8516900[mg/l]     | 0.9114290[mg/l] | <-0.0005447[mg/l]           | 3.3787500[mg/l] |                   |
| Conc RSD                          | 1047.939407       | 0.4248537         | 2.0366654           | 1.9030116       | 26.8963985                  | 1.2945942       |                   |
| Conc SD                           | 0.0000603[mg/l]   | 0.0000108[mg/l]   | 0.1395460[mg/l]     | 0.0173446[mg/l] | 0.0001465[mg/l]             | 0.0437411[mg/l] |                   |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                                          |
|-----------------------|----------------------|----------------------------------------------------------|
| Inst: MET06           | Lab ID: 506093-008   | Client ID: ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA |
| Seqnum: 484153223031  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 13:01                                  |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                                          |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                                            |

- 1.01 ft2  $\Rightarrow$  50.0 ml = 49.50 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.6571 | 33     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1668120      | -5.22  |

U=use

| Sample Name: 506093-008,337746    |                   |                   |                     |                   | Sample Type: Unknown Sample |                 |                    |
|-----------------------------------|-------------------|-------------------|---------------------|-------------------|-----------------------------|-----------------|--------------------|
| Measure Date: 2024-04-15 13:01:18 |                   |                   | Recalculation Date: |                   | State: Measured             |                 | Quality:           |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677         | Ba 230.424                  | Ca_R 317.933    | Co 228.616         |
| Int Mean                          | 61111.60000       | 1434920           | 8110.500000         | 15750.80000       | 24278.30000                 | 5475910         | 16871.90000        |
| Int RSD                           | 1.2800499         | 1.3207147         | 0.2087529           | 1.8019339         | 0.2964689                   | 0.5893815       | 0.1729930          |
| Int SD                            | 782.2590000       | 18951.20000       | 16.9309000          | 283.8190000       | 71.9776000                  | 32274.00000     | 29.1872000         |
| RelInt Mean                       | -0.0000394        | 0.0524942         | 0.0000852           | 0.0021173         | 0.0076736                   | 0.2095880       | 0.0036786          |
| RelInt RSD                        | 15.4058544        | 1.1084367         | 38.8894695          | 5.8113086         | 1.3946554                   | 0.3041691       | 0.8167099          |
| RelInt SD                         | 0.0000061         | 0.0005819         | 0.0000331           | 0.0001230         | 0.0001070                   | 0.0006375       | 0.0000300          |
| Conc Mean                         | <-0.0027745[mg/l] | 3.8415000[mg/l]   | 0.0063869[mg/l]     | 0.0199778[mg/l]   | 0.0206595[mg/l]             | 7.9273100[mg/l] | 0.0180288[mg/l]    |
| Conc RSD                          | 8.0206666         | 1.1087882         | 26.3067083          | 6.6840693         | 1.4124979                   | 0.3089964       | 0.9703364          |
| Conc SD                           | 0.0002225[mg/l]   | 0.0425941[mg/l]   | 0.0016802[mg/l]     | 0.0013353[mg/l]   | 0.0002918[mg/l]             | 0.0244951[mg/l] | 0.0001749[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                          | 26981.40000       | 481168            | 55917300            | 146861            | 486362                      | 2337320         | 8838.870000        |
| Int RSD                           | 0.6163431         | 1.1308088         | 0.4323438           | 0.2340928         | 0.1399092                   | 1.1823541       | 0.8004553          |
| Int SD                            | 166.2980000       | 5441.090000       | 241755              | 343.7910000       | 680.4650000                 | 27635.40000     | 70.7512000         |
| RelInt Mean                       | 0.0094573         | 0.0137518         | 33.7841000          | 0.0052535         | 0.0161670                   | 1.4038800       | -0.0006864         |
| RelInt RSD                        | 0.5114742         | 0.3084702         | 0.4441942           | 0.2280554         | 1.1536649                   | 1.9881329       | 13.5982994         |
| RelInt SD                         | 0.0000484         | 0.0000424         | 0.1500670           | 0.0000120         | 0.0001865                   | 0.0279110       | 0.0000933          |
| Conc Mean                         | 0.0589929[mg/l]   | 0.4338960[mg/l]   | >112.4390000[mg/l]  | 1.3042900[mg/l]   | 4.9590900[mg/l]             | 0.8970060[mg/l] | <-0.0057378[mg/l]  |
| Conc RSD                          | 0.5097596         | 0.3108786         | 0.4440986           | 0.2292642         | 1.1921119                   | 1.9884705       | 12.9045526         |
| Conc SD                           | 0.0003007[mg/l]   | 0.0013489[mg/l]   | 0.4993400[mg/l]     | 0.0029903[mg/l]   | 0.0591179[mg/l]             | 0.0178367[mg/l] | 0.0007404[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                          | 1757720           | 37539.80000       | 43903.10000         | 11107.50000       | 7862.560000                 | 14960.60000     | 607686             |
| Int RSD                           | 0.5724404         | 0.7802599         | 0.4897331           | 0.4597677         | 1.4454580                   | 0.8646445       | 0.9243359          |
| Int SD                            | 10061.90000       | 292.9080000       | 215.0080000         | 51.0687000        | 113.6500000                 | 129.3560000     | 5617.060000        |
| RelInt Mean                       | 0.0662591         | 0.0155940         | 0.0200735           | -0.0002310        | 0.0003373                   | 0.0030727       | 0.0214106          |
| RelInt RSD                        | 0.2830645         | 0.3255130         | 1.0584751           | 28.0969322        | 15.3141878                  | 1.2746788       | 1.1323036          |
| RelInt SD                         | 0.0001876         | 0.0000508         | 0.0002125           | 0.0000649         | 0.0000517                   | 0.0000392       | 0.0002424          |
| Conc Mean                         | 2.3235500[mg/l]   | 0.1210950[mg/l]   | 0.6571370[mg/l]     | <-0.0093092[mg/l] | 0.0232279[mg/l]             | 0.0601875[mg/l] | 0.1069930[mg/l]    |
| Conc RSD                          | 0.2845779         | 0.3246170         | 1.0627114           | 32.8738944        | 15.0497032                  | 1.2955265       | 1.2212855          |
| Conc SD                           | 0.0066123[mg/l]   | 0.0003931[mg/l]   | 0.0069835[mg/l]     | 0.0030603[mg/l]   | 0.0034957[mg/l]             | 0.0007797[mg/l] | 0.0013067[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                          | 1902620           | 7339.180000       | 20070.10000         | 1668120           | 30875700                    | 25999700        | 77731600           |
| Int RSD                           | 3.1424772         | 0.9272466         | 1.9329550           | 0.8433446         | 1.0182700                   | 0.3259284       | 0.1029869          |
| Int SD                            | 59789.40000       | 68.0523000        | 387.9460000         | 14068.00000       | 314398                      | 84740.40000     | 80053.40000        |
| RelInt Mean                       | 0.0595132         | -0.0006202        | 0.0001487           | ---               | ---                         | ---             | 46.9675000         |
| RelInt RSD                        | 2.2766546         | 1.8271308         | 3.4538069           | ---               | ---                         | ---             | 0.7520520          |
| RelInt SD                         | 0.0013549         | 0.0000113         | 0.0000051           | ---               | ---                         | ---             | 0.3532200          |
| Conc Mean                         | 0.5162780[mg/l]   | <-0.0395957[mg/l] | 0.0148331[mg/l]     | 1654640           | 30784400                    | 25928500        | >153.9350000[mg/l] |
| Conc RSD                          | 2.2772615         | 1.7666994         | 5.5231610           | ---               | ---                         | ---             | 0.7521162          |
| Conc SD                           | 0.0117570[mg/l]   | 0.0006995[mg/l]   | 0.0008193[mg/l]     | 14073.80000       | 314175                      | 84569.60000     | 1.1577700[mg/l]    |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495         | Cd 228.802                  | S 182.034       |                    |
| Int Mean                          | 35706.10000       | 69207.70000       | 986665              | 61190.80000       | 11518.60000                 | 59096.60000     |                    |
| Int RSD                           | 1.2263171         | 0.8807430         | 1.0276436           | 0.5677569         | 0.5445471                   | 0.8019768       |                    |
| Int SD                            | 437.8700000       | 609.5420000       | 10139.40000         | 347.4150000       | 62.7242000                  | 473.9410000     |                    |
| RelInt Mean                       | -0.0005074        | 0.0014703         | 0.5873130           | 0.0323525         | -0.0000623                  | 0.0313026       |                    |
| RelInt RSD                        | 1.9758974         | 1.0347422         | 0.2797299           | 0.7886408         | 129.4859207                 | 0.1084696       |                    |
| RelInt SD                         | 0.0000100         | 0.0000152         | 0.0016429           | 0.0002551         | 0.0000807                   | 0.0000340       |                    |
| Conc Mean                         | <0.0000086[mg/l]  | 0.0030886[mg/l]   | 8.4768600[mg/l]     | 0.8723820[mg/l]   | <-0.0004636[mg/l]           | 2.7040700[mg/l] |                    |
| Conc RSD                          | 286.8259860       | 1.1479130         | 0.2798843           | 0.7939893         | 59.1836603                  | 0.1078289       |                    |
| Conc SD                           | 0.0000246[mg/l]   | 0.0000355[mg/l]   | 0.0237254[mg/l]     | 0.0069266[mg/l]   | 0.0002744[mg/l]             | 0.0029158[mg/l] |                    |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                        |                      |                                              |
|------------------------|----------------------|----------------------------------------------|
| Inst: MET06            | Lab ID: 506093-010   | Client ID: ARCH-C14E-DG-2 TO 2.5-240412-L-FB |
| Seqnum: 484153223032.1 | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: met06_master011  | Batch: 337746        | Time: 15-APR-2024 13:04                      |
| Cal: 484153223001      | Caldate: 15-APR-2024 |                                              |
| IDF: 1.0               | Raw Units: mg/l      | Units: ug/ft2                                |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.1671 | 8.4    | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1657610      | -5.82  |

U=use

| Sample Name: 506093-010,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 13:04:37 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 61882.80000       | 912052            | 9209.030000         | 17848.70000     | 17727.90000                 | 4652550         | 31063.80000       |
| Int RSD                           | 0.8654327         | 1.1379285         | 0.7793036           | 0.3927110       | 0.3282876                   | 0.4803925       | 0.4771889         |
| Int SD                            | 535.5540000       | 10378.50000       | 71.7663000          | 70.0938000      | 58.1985000                  | 22350.50000     | 148.2330000       |
| RelInt Mean                       | -0.0000063        | 0.0325442         | 0.0006919           | 0.0025154       | 0.0035376                   | 0.1783480       | 0.0122025         |
| RelInt RSD                        | 42.0355114        | 1.8343361         | 4.6762561           | 2.0412901       | 0.6400076                   | 0.5877105       | 0.8184298         |
| RelInt SD                         | 0.0000026         | 0.0005970         | 0.0000324           | 0.0000513       | 0.0000226                   | 0.0010482       | 0.0000999         |
| Conc Mean                         | <-0.0015592[mg/l] | 2.3811500[mg/l]   | 0.0371444[mg/l]     | 0.0242978[mg/l] | 0.0094480[mg/l]             | 6.7268900[mg/l] | 0.0626560[mg/l]   |
| Conc RSD                          | 6.1772417         | 1.8353233         | 4.4190511           | 2.2933475       | 0.6517867                   | 0.5987537       | 0.8293986         |
| Conc SD                           | 0.0000963[mg/l]   | 0.0437018[mg/l]   | 0.0016414[mg/l]     | 0.0005572[mg/l] | 0.0000616[mg/l]             | 0.0402775[mg/l] | 0.0005197[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                          | 35552.70000       | 1599210           | 99818700            | 147191          | 376730                      | 4062670         | 8313.020000       |
| Int RSD                           | 0.5195217         | 0.7897649         | 0.7762333           | 0.2887534       | 1.4279988                   | 1.2221027       | 0.7682972         |
| Int SD                            | 184.7040000       | 12630.00000       | 774826              | 425.0190000     | 5379.700000                 | 49650.00000     | 63.8687000        |
| RelInt Mean                       | 0.0140091         | 0.0504825         | 60.7290000          | 0.0052825       | 0.0119811                   | 2.4617100       | -0.0001900        |
| RelInt RSD                        | 0.8342934         | 1.1231635         | 0.7085198           | 0.5161618       | 2.1660532                   | 0.2169431       | 35.4494157        |
| RelInt SD                         | 0.0001169         | 0.0005670         | 0.4302770           | 0.0000273       | 0.0002595                   | 0.0053405       | 0.0000673         |
| Conc Mean                         | 0.0872892[mg/l]   | 1.6023400[mg/l]   | >202.1180000[mg/l]  | 1.3115400[mg/l] | 3.6320300[mg/l]             | 1.5730300[mg/l] | <-0.0017999[mg/l] |
| Conc RSD                          | 0.8324088         | 1.1256100         | 0.7085861           | 0.5188801       | 2.2651768                   | 0.2168751       | 29.6838748        |
| Conc SD                           | 0.0007266[mg/l]   | 0.0180361[mg/l]   | 1.4321800[mg/l]     | 0.0068053[mg/l] | 0.0822719[mg/l]             | 0.0034115[mg/l] | 0.0005343[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                          | 1676170           | 76838.70000       | 19534.90000         | 10437.40000     | 7749.440000                 | 33216.80000     | 455878            |
| Int RSD                           | 0.5887649         | 0.1982295         | 0.6333127           | 0.7714287       | 0.5188001                   | 0.9797994       | 0.4213934         |
| Int SD                            | 9868.700000       | 152.3170000       | 123.7170000         | 80.5171000      | 40.2041000                  | 325.4580000     | 1921.040000       |
| RelInt Mean                       | 0.0633259         | 0.0393860         | 0.0053007           | 0.0013345       | 0.0001009                   | 0.0141703       | 0.0154963         |
| RelInt RSD                        | 0.7606019         | 0.7305642         | 1.9915295           | 3.5800249       | 13.5527150                  | 0.7063083       | 1.0948355         |
| RelInt SD                         | 0.0004817         | 0.0002877         | 0.0001056           | 0.0000478       | 0.0000137                   | 0.0001001       | 0.0001697         |
| Conc Mean                         | 2.2201700[mg/l]   | 0.3052240[mg/l]   | 0.1670930[mg/l]     | 0.0642948[mg/l] | 0.0072300[mg/l]             | 0.2811180[mg/l] | 0.0751061[mg/l]   |
| Conc RSD                          | 0.7646487         | 0.7296674         | 2.0298038           | 3.4957570       | 12.8006539                  | 0.7088838       | 1.2180928         |
| Conc SD                           | 0.0169765[mg/l]   | 0.0022271[mg/l]   | 0.0033917[mg/l]     | 0.0022476[mg/l] | 0.0009255[mg/l]             | 0.0019928[mg/l] | 0.0009149[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                          | 794661            | 7439.710000       | 19880.00000         | 1657610         | 30522800                    | 25918400        | 664319            |
| Int RSD                           | 2.1396419         | 0.3286526         | 0.8373491           | 1.0432912       | 0.8528117                   | 0.8228401       | 0.5126317         |
| Int SD                            | 17002.90000       | 24.4508000        | 166.4650000         | 17293.70000     | 260302                      | 213267          | 3405.510000       |
| RelInt Mean                       | 0.0238451         | -0.0006485        | 0.0001068           | ---             | ---                         | ---             | 0.3996210         |
| RelInt RSD                        | 2.4530323         | 3.0108290         | 5.9416895           | ---             | ---                         | ---             | 0.6168570         |
| RelInt SD                         | 0.0005849         | 0.0000195         | 0.0000063           | ---             | ---                         | ---             | 0.0024651         |
| Conc Mean                         | 0.2067690[mg/l]   | <-0.0406453[mg/l] | 0.0081419[mg/l]     | 1643340         | 30428800                    | 25845100        | 1.3064000[mg/l]   |
| Conc RSD                          | 2.4547442         | 3.1164735         | 12.4252019          | ---             | ---                         | ---             | 0.6184331         |
| Conc SD                           | 0.0050757[mg/l]   | 0.0012667[mg/l]   | 0.0010117[mg/l]     | 17262.60000     | 260061                      | 213395          | 0.0080792[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 35148.70000       | 48892.80000       | 621276              | 68339.00000     | 11615.30000                 | 55574.30000     |                   |
| Int RSD                           | 1.0045407         | 0.8380805         | 0.9379004           | 0.2388899       | 0.4238634                   | 0.0729420       |                   |
| Int SD                            | 353.0830000       | 409.7610000       | 5826.950000         | 163.2550000     | 49.2330000                  | 40.5370000      |                   |
| RelInt Mean                       | -0.0005471        | 0.0006928         | 0.3688780           | 0.0368954       | -0.0006716                  | 0.0293349       |                   |
| RelInt RSD                        | 0.3605769         | 0.8642902         | 1.6195870           | 0.9021612       | 5.6085479                   | 1.1868321       |                   |
| RelInt SD                         | 0.0000020         | 0.0000060         | 0.0059743           | 0.0003329       | 0.0000377                   | 0.0003482       |                   |
| Conc Mean                         | <-0.0000888[mg/l] | 0.0012770[mg/l]   | 5.3204900[mg/l]     | 0.9957030[mg/l] | <-0.0026020[mg/l]           | 2.5351300[mg/l] |                   |
| Conc RSD                          | 5.4562584         | 1.0926490         | 1.6225047           | 0.9074654       | 4.5901646                   | 1.1792176       |                   |
| Conc SD                           | 0.0000048[mg/l]   | 0.0000140[mg/l]   | 0.0863252[mg/l]     | 0.0090357[mg/l] | 0.0001194[mg/l]             | 0.0298947[mg/l] |                   |



ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                              |
|-----------------------|----------------------|----------------------------------------------|
| Inst: MET06           | Lab ID: 506093-012   | Client ID: ARCH-C14E-DG-2.5 TO 3-240412-L-FB |
| Seqnum: 484153223033  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 13:07                      |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                              |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                                |

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.4863 | 24     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1653240      | -6.07  |

U=use

| Sample Name: 506093-012,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 13:07:57 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 61124.50000       | 793068            | 8129.290000         | 15245.10000     | 17258.10000                 | 4750620         | 20700.60000       |
| Int RSD                           | 1.2755262         | 0.7211185         | 0.8156112           | 0.4243029       | 0.9155005                   | 0.9690946       | 0.3306460         |
| Int SD                            | 779.6590000       | 5718.960000       | 66.3034000          | 64.6854000      | 157.9980000                 | 46038.00000     | 68.4457000        |
| RelInt Mean                       | 0.0000115         | 0.0277917         | -0.0001292          | 0.0019019       | 0.0036034                   | 0.1810270       | 0.0061775         |
| RelInt RSD                        | 53.1032087        | 1.0559807         | 13.0552654          | 2.2927193       | 1.7574839                   | 0.9774398       | 1.3031033         |
| RelInt SD                         | 0.0000061         | 0.0002935         | 0.0000169           | 0.0000436       | 0.0000633                   | 0.0017694       | 0.0000805         |
| Conc Mean                         | <-0.0009082[mg/l] | 2.0332600[mg/l]   | <-0.0044956[mg/l]   | 0.0176399[mg/l] | 0.0096267[mg/l]             | 6.8298500[mg/l] | 0.0314855[mg/l]   |
| Conc RSD                          | 24.6692771        | 1.0564561         | 19.0342048          | 2.6829687       | 1.7623069                   | 0.9956470       | 1.3747280         |
| Conc SD                           | 0.0002240[mg/l]   | 0.0214805[mg/l]   | 0.0008557[mg/l]     | 0.0004733[mg/l] | 0.0001697[mg/l]             | 0.0680012[mg/l] | 0.0004328[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                          | 27957.20000       | 442112            | 54265200            | 126439          | 364148                      | 2149560         | 7737.820000       |
| Int RSD                           | 1.1542966         | 1.4569657         | 0.5646750           | 0.7378190       | 0.8757209                   | 0.9694077       | 0.7884740         |
| Int SD                            | 322.7090000       | 6441.420000       | 306422              | 932.8910000     | 3188.920000                 | 20838.00000     | 61.0107000        |
| RelInt Mean                       | 0.0102091         | 0.0125445         | 33.0760000          | 0.0044500       | 0.0113937                   | 1.3018200       | -0.0002122        |
| RelInt RSD                        | 1.2555759         | 1.5602216         | 0.2332250           | 1.3160803       | 0.7360752                   | 0.5667212       | 30.3373217        |
| RelInt SD                         | 0.0001282         | 0.0001957         | 0.0771415           | 0.0000586       | 0.0000839                   | 0.0073777       | 0.0000644         |
| Conc Mean                         | 0.0636659[mg/l]   | 0.3954900[mg/l]   | >110.0820000[mg/l]  | 1.1037900[mg/l] | 3.4457700[mg/l]             | 0.8317840[mg/l] | <-0.0019762[mg/l] |
| Conc RSD                          | 1.2516009         | 1.5740777         | 0.2332879           | 1.3241196       | 0.7717869                   | 0.5668611       | 25.8432851        |
| Conc SD                           | 0.0007968[mg/l]   | 0.0062253[mg/l]   | 0.2568080[mg/l]     | 0.0146155[mg/l] | 0.0265940[mg/l]             | 0.0047151[mg/l] | 0.0005107[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                          | 1623710           | 35679.50000       | 34710.00000         | 8414.570000     | 8039.990000                 | 12934.40000     | 478915            |
| Int RSD                           | 0.5304703         | 0.4141510         | 0.4570988           | 0.8072926       | 0.5057892                   | 1.3562129       | 0.2921625         |
| Int SD                            | 8613.300000       | 147.7670000       | 158.6590000         | 67.9302000      | 40.6654000                  | 175.4180000     | 1399.210000       |
| RelInt Mean                       | 0.0608985         | 0.0147663         | 0.0148620           | 0.0002473       | 0.0004179                   | 0.0014497       | 0.0163721         |
| RelInt RSD                        | 0.7428344         | 0.1943655         | 0.6748015           | 17.2113911      | 4.6297271                   | 4.3002821       | 0.8278840         |
| RelInt SD                         | 0.0004524         | 0.0000287         | 0.0001003           | 0.0000426       | 0.0000193                   | 0.0000623       | 0.0001355         |
| Conc Mean                         | 2.1346100[mg/l]   | 0.1146890[mg/l]   | 0.4863480[mg/l]     | 0.0132032[mg/l] | 0.0286793[mg/l]             | 0.0278766[mg/l] | 0.0798276[mg/l]   |
| Conc RSD                          | 0.7471013         | 0.1934632         | 0.6800049           | 15.1614003      | 4.5649301                   | 4.4521570       | 0.9152123         |
| Conc SD                           | 0.0159477[mg/l]   | 0.0002219[mg/l]   | 0.0033072[mg/l]     | 0.0020018[mg/l] | 0.0013092[mg/l]             | 0.0012411[mg/l] | 0.0007306[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                          | 802252            | 7430.240000       | 19316.90000         | 1653240         | 30723000                    | 26090800        | 909476            |
| Int RSD                           | 5.6464802         | 0.2009975         | 1.1104991           | 0.4188091       | 0.8181070                   | 0.5658240       | 0.4883999         |
| Int SD                            | 45299.00000       | 14.9346000        | 214.5140000         | 6923.920000     | 251347                      | 147628          | 4441.880000       |
| RelInt Mean                       | 0.0239843         | -0.0007335        | 0.0001159           | ---             | ---                         | ---             | 0.5499590         |
| RelInt RSD                        | 5.3208974         | 1.6301500         | 4.5823207           | ---             | ---                         | ---             | 0.4211914         |
| RelInt SD                         | 0.0012762         | 0.0000120         | 0.0000053           | ---             | ---                         | ---             | 0.0023164         |
| Conc Mean                         | 0.2079780[mg/l]   | <-0.0461070[mg/l] | 0.0095945[mg/l]     | 1640080         | 30632000                    | 26019100        | 1.7991500[mg/l]   |
| Conc RSD                          | 5.3246497         | 1.7113562         | 8.8239175           | ---             | ---                         | ---             | 0.4219354         |
| Conc SD                           | 0.0110741[mg/l]   | 0.0007891[mg/l]   | 0.0008466[mg/l]     | 6859.400000     | 250651                      | 147342          | 0.0075912[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 35186.40000       | 50795.30000       | 551531              | 59327.90000     | 10964.20000                 | 61166.90000     |                   |
| Int RSD                           | 1.4409147         | 1.1257124         | 1.6167160           | 0.7197356       | 0.9721183                   | 0.7259122       |                   |
| Int SD                            | 507.0060000       | 571.8090000       | 8916.690000         | 427.0040000     | 106.5850000                 | 444.0180000     |                   |
| RelInt Mean                       | -0.0005101        | 0.0007550         | 0.3281560           | 0.0312461       | -0.0002074                  | 0.0326681       |                   |
| RelInt RSD                        | 2.6134530         | 0.2388782         | 1.9529980           | 0.7888761       | 18.3945950                  | 0.5941974       |                   |
| RelInt SD                         | 0.0000133         | 0.0000018         | 0.0064089           | 0.0002465       | 0.0000381                   | 0.0001941       |                   |
| Conc Mean                         | <0.0000021[mg/l]  | 0.0014218[mg/l]   | 4.7320600[mg/l]     | 0.8423500[mg/l] | <-0.0009064[mg/l]           | 2.8213000[mg/l] |                   |
| Conc RSD                          | 1560.954792       | 0.2955105         | 1.9569152           | 0.7943527       | 14.1894904                  | 0.5909368       |                   |
| Conc SD                           | 0.0000327[mg/l]   | 0.0000042[mg/l]   | 0.0926024[mg/l]     | 0.0066912[mg/l] | 0.0001286[mg/l]             | 0.0166721[mg/l] |                   |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                             |
|-----------------------|----------------------|---------------------------------------------|
| Inst: MET06           | Lab ID: 506093-014   | Client ID: ARCH-C14E-EXT-3 TO 4-240412-L-WF |
| Seqnum: 484153223034  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                      |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 13:11                     |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                             |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                               |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.2894 | 14     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1659920      | -5.69  |

U=use

| Sample Name: 506093-014,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                  |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|------------------|
| Measure Date: 2024-04-15 13:11:16 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:         |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616       |
| Int Mean                          | 60694.10000       | 328243            | 7198.880000         | 14932.00000     | 15097.50000                 | 4506840         | 16927.30000      |
| Int RSD                           | 0.2704365         | 0.4094924         | 0.5867913           | 0.7298687       | 0.2985587                   | 0.8859689       | 0.7052040        |
| Int SD                            | 164.1390000       | 1344.130000       | 42.2424000          | 108.9840000     | 45.0749000                  | 39929.20000     | 119.3720000      |
| RelInt Mean                       | 0.0000285         | 0.0099751         | -0.0004772          | 0.0020804       | 0.0024789                   | 0.1714780       | 0.0039810        |
| RelInt RSD                        | 19.7303649        | 1.3300806         | 5.4399968           | 1.5208348       | 2.3510749                   | 0.2713596       | 1.0878110        |
| RelInt SD                         | 0.0000056         | 0.0001327         | 0.0000260           | 0.0000316       | 0.0000583                   | 0.0004653       | 0.0000433        |
| Conc Mean                         | <-0.0002856[mg/l] | 0.7290850[mg/l]   | <-0.0221169[mg/l]   | 0.0195773[mg/l] | 0.0065836[mg/l]             | 6.4629400[mg/l] | 0.0202420[mg/l]  |
| Conc RSD                          | 72.1620713        | 1.3321615         | 5.9556267           | 1.7539089       | 2.4109339                   | 0.2764531       | 1.2051329        |
| Conc SD                           | 0.0002061[mg/l]   | 0.0097126[mg/l]   | 0.0013172[mg/l]     | 0.0003434[mg/l] | 0.0001587[mg/l]             | 0.0178670[mg/l] | 0.0002439[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                          | 17763.20000       | 272848            | 35729900            | 149393          | 287340                      | 1661810         | 7239.640000      |
| Int RSD                           | 1.1209523         | 0.9393802         | 0.1596850           | 0.5668318       | 0.2241425                   | 0.9130827       | 1.2355062        |
| Int SD                            | 199.1170000       | 2563.080000       | 57055.30000         | 846.8070000     | 644.0510000                 | 15173.70000     | 89.4462000       |
| RelInt Mean                       | 0.0042296         | 0.0070600         | 21.6834000          | 0.0053217       | 0.0085899                   | 1.0007900       | -0.0002501       |
| RelInt RSD                        | 2.0098827         | 0.7544295         | 0.6232510           | 0.8836719       | 1.0068930                   | 1.3635128       | 17.0109169       |
| RelInt SD                         | 0.0000850         | 0.0000533         | 0.1351420           | 0.0000470       | 0.0000865                   | 0.0136459       | 0.0000425        |
| Conc Mean                         | 0.0264945[mg/l]   | 0.2210220[mg/l]   | 72.1657000[mg/l]    | 1.3213100[mg/l] | 2.5568900[mg/l]             | 0.6394050[mg/l] | <-0.002766[mg/l] |
| Conc RSD                          | 1.9946140         | 0.7665165         | 0.6231659           | 0.8880127       | 1.0723887                   | 1.3640212       | 14.8237966       |
| Conc SD                           | 0.0005285[mg/l]   | 0.0016942[mg/l]   | 0.4497120[mg/l]     | 0.0117334[mg/l] | 0.0274198[mg/l]             | 0.0087216[mg/l] | 0.0003375[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                          | 1814500           | 24228.40000       | 24694.90000         | 7985.180000     | 7643.510000                 | 13000.20000     | 451302           |
| Int RSD                           | 1.0960761         | 0.5628106         | 0.4026742           | 0.6183668       | 0.8217350                   | 0.8395179       | 0.6621841        |
| Int SD                            | 19888.30000       | 136.3600000       | 99.4400000          | 49.3777000      | 62.8094000                  | 109.1390000     | 2988.450000      |
| RelInt Mean                       | 0.0681202         | 0.0079325         | 0.0088030           | 0.0001232       | 0.0003921                   | 0.0017683       | 0.0153326        |
| RelInt RSD                        | 0.2300404         | 1.0329869         | 0.7646425           | 14.4494054      | 6.5889620                   | 2.3021484       | 0.5838331        |
| RelInt SD                         | 0.0001567         | 0.0000819         | 0.0000673           | 0.0000178       | 0.0000258                   | 0.0000407       | 0.0000895        |
| Conc Mean                         | 2.3891500[mg/l]   | 0.0618017[mg/l]   | 0.2893710[mg/l]     | 0.0075736[mg/l] | 0.0269318[mg/l]             | 0.0342193[mg/l] | 0.0742232[mg/l]  |
| Conc RSD                          | 0.2311584         | 1.0261757         | 0.7581582           | 11.1079686      | 6.4907284                   | 2.3685230       | 0.6502024        |
| Conc SD                           | 0.0055227[mg/l]   | 0.0006342[mg/l]   | 0.0021939[mg/l]     | 0.0008413[mg/l] | 0.0017481[mg/l]             | 0.0008105[mg/l] | 0.0004826[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                          | 554511            | 7125.810000       | 17721.70000         | 1659920         | 30662800                    | 26122500        | 527995           |
| Int RSD                           | 7.4480218         | 0.5575563         | 0.5279420           | 0.4881127       | 0.9455921                   | 0.9037114       | 0.4948437        |
| Int SD                            | 41300.10000       | 39.7304000        | 93.5603000          | 8102.280000     | 289945                      | 236072          | 2612.750000      |
| RelInt Mean                       | 0.0159747         | -0.0006802        | 0.0000782           | ---             | ---                         | ---             | 0.3161520        |
| RelInt RSD                        | 8.3553369         | 3.2510526         | 1.7249358           | ---             | ---                         | ---             | 0.9491257        |
| RelInt SD                         | 0.0013347         | 0.0000221         | 0.0000013           | ---             | ---                         | ---             | 0.0030007        |
| Conc Mean                         | 0.1384740[mg/l]   | <-0.0425068[mg/l] | 0.0035852[mg/l]     | 1647090         | 30573000                    | 26051600        | 1.0328500[mg/l]  |
| Conc RSD                          | 8.3643861         | 3.2784637         | 5.9963238           | ---             | ---                         | ---             | 0.9520908        |
| Conc SD                           | 0.0115825[mg/l]   | 0.0013936[mg/l]   | 0.0002150[mg/l]     | 8138.560000     | 289905                      | 235166          | 0.0098337[mg/l]  |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                  |
| Int Mean                          | 34718.80000       | 41096.50000       | 244582              | 67079.00000     | 10796.90000                 | 63598.70000     |                  |
| Int RSD                           | 2.0338865         | 1.7109632         | 0.6244940           | 0.7961150       | 0.6525688                   | 0.1962226       |                  |
| Int SD                            | 706.1410000       | 703.1460000       | 1527.400000         | 534.0260000     | 70.4572000                  | 124.7950000     |                  |
| RelInt Mean                       | -0.0005240        | 0.0003841         | 0.1410450           | 0.0360411       | -0.0000235                  | 0.0342043       |                  |
| RelInt RSD                        | 2.1540748         | 3.9258069         | 0.5399759           | 1.3063308       | 95.4993231                  | 0.5514833       |                  |
| RelInt SD                         | 0.0000113         | 0.0000151         | 0.0007616           | 0.0004708       | 0.0000224                   | 0.0001886       |                  |
| Conc Mean                         | <-0.0000323[mg/l] | 0.0005575[mg/l]   | 2.0284000[mg/l]     | 0.9725120[mg/l] | <-0.0002307[mg/l]           | 2.9532100[mg/l] |                  |
| Conc RSD                          | 85.9509769        | 6.3024640         | 0.5432459           | 1.3141329       | 32.9697598                  | 0.5483017       |                  |
| Conc SD                           | 0.0000277[mg/l]   | 0.0000351[mg/l]   | 0.0110192[mg/l]     | 0.0127801[mg/l] | 0.0000761[mg/l]             | 0.0161925[mg/l] |                  |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                        |
|-----------------------|----------------------|----------------------------------------|
| Inst: MET06           | Lab ID: 506093-016   | Client ID: ARCH-C14E-PS-3.5-240412-L-G |
| Seqnum: 484153223035  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                 |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 13:14                |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                        |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                          |

- 1.06 ft2 ⇒ 50.0 ml = 47.38 ml/ft2 PDF

| Analyte | Ch | Raw   | Result | RL   | Blank | Flags |
|---------|----|-------|--------|------|-------|-------|
| Lead    | A  | 1.607 | 76     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1680210      | -4.53  |

U=use

| Sample Name: 506093-016,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 13:14:36 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 61209.90000       | 601482            | 8023.850000         | 15373.00000     | 17251.30000                 | 5304620         | 17365.40000       |
| Int RSD                           | 1.4264278         | 0.8954649         | 0.6074814           | 1.0621349       | 0.4790317                   | 0.3836524       | 1.1770417         |
| Int SD                            | 873.1150000       | 5386.060000       | 48.7434000          | 163.2820000     | 82.6392000                  | 20351.30000     | 204.3980000       |
| RelInt Mean                       | 0.0000131         | 0.0202908         | 0.0001617           | 0.0017986       | 0.0035064                   | 0.2017370       | 0.0040224         |
| RelInt RSD                        | 44.2728035        | 1.6637540         | 2.1257746           | 4.9754473       | 0.9170576                   | 0.9132286       | 2.1008562         |
| RelInt SD                         | 0.0000058         | 0.0003376         | 0.0000034           | 0.0000895       | 0.0000322                   | 0.0018423       | 0.0000845         |
| Conc Mean                         | <-0.0008497[mg/l] | 1.4842000[mg/l]   | 0.0102918[mg/l]     | 0.0165187[mg/l] | 0.0093623[mg/l]             | 7.6256300[mg/l] | 0.0203793[mg/l]   |
| Conc RSD                          | 25.0303647        | 1.6653214         | 1.6893255           | 5.8793186       | 0.9317305                   | 0.9282840       | 2.0454235         |
| Conc SD                           | 0.0002127[mg/l]   | 0.0247167[mg/l]   | 0.0001739[mg/l]     | 0.0009712[mg/l] | 0.0000872[mg/l]             | 0.0707875[mg/l] | 0.0004168[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                          | 20737.80000       | 267025            | 59334300            | 143027          | 337378                      | 2031530         | 7820.070000       |
| Int RSD                           | 1.5920541         | 1.0057747         | 0.3034316           | 0.5937963       | 0.6168867                   | 0.3865308       | 0.1217394         |
| Int SD                            | 330.1570000       | 2685.670000       | 180039              | 849.2890000     | 2081.240000                 | 7852.490000     | 9.5201100         |
| RelInt Mean                       | 0.0055576         | 0.0067463         | 35.5875000          | 0.0050743       | 0.0104751                   | 1.2099500       | -0.0001487        |
| RelInt RSD                        | 3.2342314         | 0.5798529         | 0.8326322           | 1.1179902       | 1.5115942                   | 0.3145304       | 34.1361968        |
| RelInt SD                         | 0.0001797         | 0.0000391         | 0.2963130           | 0.0000567       | 0.0001583                   | 0.0038057       | 0.0000508         |
| Conc Mean                         | 0.0347498[mg/l]   | 0.2110420[mg/l]   | >118.4420000[mg/l]  | 1.2595800[mg/l] | 3.1545500[mg/l]             | 0.7730750[mg/l] | <-0.0014726[mg/l] |
| Conc RSD                          | 3.2156444         | 0.5895462         | 0.8326928           | 1.1240017       | 1.5916470                   | 0.3147004       | 27.3502689        |
| Conc SD                           | 0.0011174[mg/l]   | 0.0012442[mg/l]   | 0.9862580[mg/l]     | 0.0141577[mg/l] | 0.0502093[mg/l]             | 0.0024329[mg/l] | 0.0004028[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                          | 1753690           | 25443.40000       | 92100.70000         | 9108.220000     | 7578.050000                 | 12560.80000     | 498405            |
| Int RSD                           | 0.4523701         | 0.7252765         | 0.6369528           | 0.7283520       | 0.8338412                   | 1.2588609       | 0.2428387         |
| Int SD                            | 7933.170000       | 184.5350000       | 586.6380000         | 66.3399000      | 63.1889000                  | 158.1230000     | 1210.320000       |
| RelInt Mean                       | 0.0656987         | 0.0083097         | 0.0489445           | 0.0006092       | 0.0003013                   | 0.0018486       | 0.0170794         |
| RelInt RSD                        | 0.7961817         | 1.1224408         | 0.2564354           | 2.8376610       | 10.1159626                  | 4.0030078       | 0.5740108         |
| RelInt SD                         | 0.0005231         | 0.0000933         | 0.0001255           | 0.0000173       | 0.0000305                   | 0.0000740       | 0.0000980         |
| Conc Mean                         | 2.3038000[mg/l]   | 0.0647209[mg/l]   | 1.6069700[mg/l]     | 0.0304277[mg/l] | 0.0207891[mg/l]             | 0.0358177[mg/l] | 0.0836413[mg/l]   |
| Conc RSD                          | 0.8001563         | 1.1153321         | 0.2568225           | 2.6965265       | 9.9210163                   | 4.1128269       | 0.6318051         |
| Conc SD                           | 0.0184340[mg/l]   | 0.0007219[mg/l]   | 0.0041271[mg/l]     | 0.0008205[mg/l] | 0.0020625[mg/l]             | 0.0014731[mg/l] | 0.0005285[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                          | 720981            | 7071.940000       | 20141.40000         | 1680210         | 31106000                    | 26161800        | 4801760           |
| Int RSD                           | 6.3632467         | 0.5223899         | 1.0593057           | 0.5663268       | 0.8361377                   | 0.7379997       | 0.7577930         |
| Int SD                            | 45877.80000       | 36.9431000        | 213.3590000         | 9515.480000     | 260089                      | 193074          | 36387.40000       |
| RelInt Mean                       | 0.0210933         | -0.0006098        | 0.0001425           | ---             | ---                         | ---             | 2.8759100         |
| RelInt RSD                        | 6.5987778         | 5.4168013         | 2.2824093           | ---             | ---                         | ---             | 0.3047362         |
| RelInt SD                         | 0.0013919         | 0.0000330         | 0.0000033           | ---             | ---                         | ---             | 0.0087639         |
| Conc Mean                         | 0.1828910[mg/l]   | <-0.0380949[mg/l] | 0.0138445[mg/l]     | 1666810         | 31014400                    | 26090200        | 9.4225800[mg/l]   |
| Conc RSD                          | 6.6036601         | 5.5699582         | 3.7472787           | ---             | ---                         | ---             | 0.3047637         |
| Conc SD                           | 0.0120775[mg/l]   | 0.0021219[mg/l]   | 0.0005188[mg/l]     | 9581.890000     | 259685                      | 192944          | 0.0287166[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 34947.40000       | 49916.30000       | 400159              | 50582.10000     | 11235.10000                 | 61106.30000     |                   |
| Int RSD                           | 0.5132399         | 0.2314514         | 2.9134419           | 0.1406480       | 0.5082447                   | 0.7720170       |                   |
| Int SD                            | 179.3640000       | 115.5320000       | 11658.40000         | 71.1427000      | 57.1018000                  | 471.7510000     |                   |
| RelInt Mean                       | -0.0005435        | 0.0007278         | 0.2320300           | 0.0259239       | -0.0002146                  | 0.0323629       |                   |
| RelInt RSD                        | 1.4942672         | 1.1373715         | 3.5126406           | 0.4729072       | 19.0708653                  | 0.3883490       |                   |
| RelInt SD                         | 0.0000081         | 0.0000083         | 0.0081504           | 0.0001226       | 0.0000409                   | 0.0001257       |                   |
| Conc Mean                         | <-0.0000799[mg/l] | 0.0013585[mg/l]   | 3.3430800[mg/l]     | 0.6978720[mg/l] | <-0.0009842[mg/l]           | 2.7951000[mg/l] |                   |
| Conc RSD                          | 24.9540782        | 1.4199865         | 3.5228592           | 0.4767364       | 13.8324475                  | 0.3860756       |                   |
| Conc SD                           | 0.0000199[mg/l]   | 0.0000193[mg/l]   | 0.1177720[mg/l]     | 0.0033270[mg/l] | 0.0001361[mg/l]             | 0.0107912[mg/l] |                   |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                                          |
|-----------------------|----------------------|----------------------------------------------------------|
| Inst: MET06           | Lab ID: 506093-018   | Client ID: ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA |
| Seqnum: 484153223036  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 13:17                                  |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                                          |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                                            |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.6453 | 32     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1687450      | -4.12  |

U=use

| Sample Name: 506093-018,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 13:17:54 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 61577.50000       | 903683            | 8883.740000         | 16790.80000     | 20328.50000                 | 6005360         | 17418.60000       |
| Int RSD                           | 0.7517421         | 0.8538271         | 0.9416946           | 0.0039655       | 0.7702487                   | 0.8162042       | 0.2538981         |
| Int SD                            | 462.9040000       | 7715.890000       | 83.6577000          | 0.6658330       | 156.5800000                 | 49016.00000     | 44.2255000        |
| RelInt Mean                       | 0.0000068         | 0.0316937         | 0.0005391           | 0.0024319       | 0.0052100                   | 0.2280430       | 0.0039746         |
| RelInt RSD                        | 142.7751055       | 0.5814436         | 1.5179217           | 2.6486161       | 1.5433389                   | 0.8346715       | 1.8713427         |
| RelInt SD                         | 0.0000097         | 0.0001843         | 0.0000082           | 0.0000644       | 0.0000804                   | 0.0019034       | 0.0000744         |
| Conc Mean                         | <-0.0010814[mg/l] | 2.3188900[mg/l]   | 0.0294013[mg/l]     | 0.0233916[mg/l] | 0.0139720[mg/l]             | 8.6363900[mg/l] | 0.0197923[mg/l]   |
| Conc RSD                          | 32.8340901        | 0.5816317         | 1.4155326           | 2.9883377       | 1.5638706                   | 0.8468191       | 1.7620994         |
| Conc SD                           | 0.0003551[mg/l]   | 0.0134874[mg/l]   | 0.0004162[mg/l]     | 0.0006990[mg/l] | 0.0002185[mg/l]             | 0.0731346[mg/l] | 0.0003488[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                          | 32197.80000       | 695582            | 70020900            | 138035          | 398310                      | 2728300         | 8124.790000       |
| Int RSD                           | 1.0567119         | 1.8671558         | 0.3597255           | 0.4857949       | 0.3781929                   | 1.6735696       | 0.8369164         |
| Int SD                            | 340.2380000       | 12987.60000       | 251883              | 670.5670000     | 1506.380000                 | 45660.00000     | 67.9977000        |
| RelInt Mean                       | 0.0122307         | 0.0207372         | 41.8192000          | 0.0048732       | 0.0127215                   | 1.6206400       | -0.0000685        |
| RelInt RSD                        | 2.0696199         | 1.1200692         | 0.1636837           | 0.1708100       | 0.2475942                   | 1.2493089       | 49.9431778        |
| RelInt SD                         | 0.0002531         | 0.0002323         | 0.0684512           | 0.0000083       | 0.0000315                   | 0.0202468       | 0.0000342         |
| Conc Mean                         | 0.0762338[mg/l]   | 0.6561090[mg/l]   | >139.1810000[mg/l]  | 1.2094100[mg/l] | 3.8667300[mg/l]             | 1.0355300[mg/l] | <-0.0008366[mg/l] |
| Conc RSD                          | 2.0637958         | 1.1261467         | 0.1638047           | 0.1720450       | 0.2583594                   | 1.2493699       | 32.4659226        |
| Conc SD                           | 0.0015733[mg/l]   | 0.0073888[mg/l]   | 0.2279850[mg/l]     | 0.0020807[mg/l] | 0.0099901[mg/l]             | 0.0129376[mg/l] | 0.0002716[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                          | 2715780           | 47986.10000       | 43562.10000         | 9273.120000     | 7475.560000                 | 17353.70000     | 562660            |
| Int RSD                           | 0.4766292         | 0.3354659         | 0.5506966           | 1.0339691       | 0.9667904                   | 1.4703838       | 0.5232272         |
| Int SD                            | 12944.20000       | 160.9770000       | 239.8950000         | 95.8812000      | 72.2730000                  | 255.1660000     | 2943.990000       |
| RelInt Mean                       | 0.1022160         | 0.0216252         | 0.0197437           | 0.0006670       | 0.0001045                   | 0.0044668       | 0.0194656         |
| RelInt RSD                        | 0.7194559         | 0.5263905         | 1.0549593           | 7.7041704       | 24.6595737                  | 3.6095334       | 0.2939873         |
| RelInt SD                         | 0.0007354         | 0.0001138         | 0.0002083           | 0.0000514       | 0.0000258                   | 0.0001612       | 0.0000572         |
| Conc Mean                         | 3.5909300[mg/l]   | 0.1677710[mg/l]   | 0.6453330[mg/l]     | 0.0329071[mg/l] | 0.0074733[mg/l]             | 0.0879418[mg/l] | 0.0965063[mg/l]   |
| Conc RSD                          | 0.7214761         | 0.5248333         | 1.0608523           | 7.3759158       | 23.3359471                  | 3.6498912       | 0.3195584         |
| Conc SD                           | 0.0259077[mg/l]   | 0.0008805[mg/l]   | 0.0068460[mg/l]     | 0.0024272[mg/l] | 0.0017440[mg/l]             | 0.0032098[mg/l] | 0.0003084[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                          | 1414320           | 7303.320000       | 19342.40000         | 1687450         | 30766500                    | 26221400        | 1902890           |
| Int RSD                           | 4.4382106         | 0.3841075         | 1.3872477           | 0.4270918       | 1.3813531                   | 0.3497117       | 0.2921609         |
| Int SD                            | 62770.50000       | 28.0526000        | 268.3270000         | 7206.960000     | 424994                      | 91699.30000     | 5559.500000       |
| RelInt Mean                       | 0.0439096         | -0.0006360        | 0.0001011           | ---             | ---                         | ---             | 1.1321300         |
| RelInt RSD                        | 5.7677364         | 3.1774487         | 7.9966764           | ---             | ---                         | ---             | 0.1477083         |
| RelInt SD                         | 0.0025326         | 0.0000202         | 0.0000081           | ---             | ---                         | ---             | 0.0016723         |
| Conc Mean                         | 0.3808780[mg/l]   | <-0.0402842[mg/l] | 0.0072389[mg/l]     | 1673900         | 30674000                    | 26148700        | 3.7072400[mg/l]   |
| Conc RSD                          | 5.7699841         | 3.0910382         | 17.8096612          | ---             | ---                         | ---             | 0.1478939         |
| Conc SD                           | 0.0219766[mg/l]   | 0.0012452[mg/l]   | 0.0012892[mg/l]     | 7332.630000     | 424537                      | 91447.70000     | 0.0054828[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 35558.80000       | 54601.00000       | 650967              | 75754.10000     | 11374.20000                 | 69411.90000     |                   |
| Int RSD                           | 0.3420672         | 0.6347796         | 0.4418826           | 0.5002554       | 0.2252308                   | 0.1724719       |                   |
| Int SD                            | 121.6350000       | 346.5960000       | 2876.510000         | 378.9640000     | 25.6182000                  | 119.7160000     |                   |
| RelInt Mean                       | -0.0005089        | 0.0008984         | 0.3803950           | 0.0406769       | -0.0002688                  | 0.0370773       |                   |
| RelInt RSD                        | 2.4081076         | 1.2441133         | 0.7058400           | 0.6429866       | 5.3355305                   | 0.5582257       |                   |
| RelInt SD                         | 0.0000123         | 0.0000112         | 0.0026850           | 0.0002615       | 0.0000143                   | 0.0002070       |                   |
| Conc Mean                         | <0.0000050[mg/l]  | 0.0017561[mg/l]   | 5.4868800[mg/l]     | 1.0983500[mg/l] | <-0.0012341[mg/l]           | 3.1998700[mg/l] |                   |
| Conc RSD                          | 596.4896284       | 1.4834604         | 0.7071961           | 0.6463614       | 3.9774414                   | 0.5554757       |                   |
| Conc SD                           | 0.0000301[mg/l]   | 0.0000261[mg/l]   | 0.0388030[mg/l]     | 0.0070993[mg/l] | 0.0000491[mg/l]             | 0.0177745[mg/l] |                   |



ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                              |
|-----------------------|----------------------|----------------------------------------------|
| Inst: MET06           | Lab ID: 506093-020   | Client ID: ARCH-C14E-DG-4 TO 4.5-240412-L-FB |
| Seqnum: 484153223037  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                       |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 13:21                      |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                              |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                                |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.4097 | 20     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1648250      | -6.35  |

U=use

| Sample Name: 506093-020,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 13:21:13 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 63994.50000       | 761435            | 10233.50000         | 19125.70000     | 19149.60000                 | 5366870         | 23495.10000       |
| Int RSD                           | 0.7543492         | 2.0399771         | 0.4455572           | 1.1799882       | 1.0722992                   | 0.1427374       | 1.0157820         |
| Int SD                            | 482.7420000       | 15533.10000       | 45.5961000          | 225.6810000     | 205.3410000                 | 7660.530000     | 238.6590000       |
| RelInt Mean                       | -0.0000562        | 0.0272236         | 0.0012222           | 0.0022657       | 0.0038820                   | 0.2111220       | 0.0072070         |
| RelInt RSD                        | 10.0108133        | 1.9332564         | 2.0340615           | 4.5506987       | 2.8298115                   | 0.5467171       | 2.3914250         |
| RelInt SD                         | 0.0000056         | 0.0005263         | 0.0000249           | 0.0001031       | 0.0001099                   | 0.0011542       | 0.0001724         |
| Conc Mean                         | <-0.0033900[mg/l] | 1.9916800[mg/l]   | 0.0639706[mg/l]     | 0.0215886[mg/l] | 0.0103748[mg/l]             | 7.9862100[mg/l] | 0.0365614[mg/l]   |
| Conc RSD                          | 6.0832026         | 1.9341611         | 1.9673100           | 5.1831985       | 2.8748506                   | 0.5553235       | 2.3982834         |
| Conc SD                           | 0.0002062[mg/l]   | 0.0385223[mg/l]   | 0.0012585[mg/l]     | 0.0011190[mg/l] | 0.0002983[mg/l]             | 0.0443493[mg/l] | 0.0008768[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                          | 60789.60000       | 1709670           | 121136000           | 113953          | 363720                      | 4000190         | 9346.890000       |
| Int RSD                           | 1.1103939         | 0.9230963         | 0.4557943           | 0.1894062       | 0.8820906                   | 1.0935381       | 0.8058927         |
| Int SD                            | 675.0040000       | 15781.90000       | 552131              | 215.8340000     | 3208.340000                 | 43743.60000     | 75.3259000        |
| RelInt Mean                       | 0.0287388         | 0.0549253         | 74.1732000          | 0.0040877       | 0.0116023                   | 2.4381400       | -0.0000021        |
| RelInt RSD                        | 2.3965371         | 0.8217670         | 1.5006768           | 0.2985028       | 0.7025529                   | 1.9960175       | 1553.088702       |
| RelInt SD                         | 0.0006887         | 0.0004514         | 1.1131000           | 0.0000122       | 0.0000815                   | 0.0486657       | 0.0000328         |
| Conc Mean                         | 0.1788570[mg/l]   | 1.7436700[mg/l]   | >246.8630000[mg/l]  | 1.0133700[mg/l] | 3.5119200[mg/l]             | 1.5579800[mg/l] | <-0.0003095[mg/l] |
| Conc RSD                          | 2.3937335         | 0.8235274         | 1.5005327           | 0.3005812       | 0.7359222                   | 1.9962323       | 83.9772132        |
| Conc SD                           | 0.0042814[mg/l]   | 0.0143596[mg/l]   | 3.7042600[mg/l]     | 0.0030460[mg/l] | 0.0258450[mg/l]             | 0.0311009[mg/l] | 0.0002599[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                          | 2343660           | 159705            | 32149.10000         | 10418.00000     | 8166.240000                 | 30511.00000     | 490911            |
| Int RSD                           | 0.0843757         | 0.4693936         | 0.7501299           | 0.2201584       | 0.7186710                   | 1.0863525       | 0.7028749         |
| Int SD                            | 1977.480000       | 749.6450000       | 241.1600000         | 22.9361000      | 58.6884000                  | 331.4570000     | 3450.490000       |
| RelInt Mean                       | 0.0912993         | 0.0898053         | 0.0127432           | 0.0010322       | 0.0001151                   | 0.0125976       | 0.0171095         |
| RelInt RSD                        | 0.4597155         | 1.3772461         | 2.1199149           | 1.9944970       | 23.2942720                  | 2.6899489       | 0.6032964         |
| RelInt SD                         | 0.0004197         | 0.0012368         | 0.0002701           | 0.0000206       | 0.0000268                   | 0.0003389       | 0.0001032         |
| Conc Mean                         | 3.2061400[mg/l]   | 0.6954260[mg/l]   | 0.4096750[mg/l]     | 0.0495127[mg/l] | 0.0081906[mg/l]             | 0.2498090[mg/l] | 0.0838036[mg/l]   |
| Conc RSD                          | 0.4613398         | 1.3764355         | 2.1318826           | 1.9379190       | 22.1535531                  | 2.7004592       | 0.6638999         |
| Conc SD                           | 0.0147912[mg/l]   | 0.0095721[mg/l]   | 0.0087338[mg/l]     | 0.0009595[mg/l] | 0.0018145[mg/l]             | 0.0067460[mg/l] | 0.0005564[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                          | 1288200           | 7648.000000       | 20651.30000         | 1648250         | 30021600                    | 25273300        | 940647            |
| Int RSD                           | 2.4870595         | 0.6449987         | 1.1627985           | 1.0318823       | 0.3817352                   | 0.5097158       | 1.0745795         |
| Int SD                            | 32038.30000       | 49.3295000        | 240.1330000         | 17008.00000     | 114603                      | 128822          | 10108.00000       |
| RelInt Mean                       | 0.0407460         | -0.0006515        | 0.0000832           | ---             | ---                         | ---             | 0.5711410         |
| RelInt RSD                        | 2.5238551         | 3.4486934         | 7.0647113           | ---             | ---                         | ---             | 1.7314428         |
| RelInt SD                         | 0.0010284         | 0.0000225         | 0.0000059           | ---             | ---                         | ---             | 0.0098890         |
| Conc Mean                         | 0.3534270[mg/l]   | <-0.0412116[mg/l] | 0.0043914[mg/l]     | 1632940         | 29924600                    | 25196700        | 1.8685100[mg/l]   |
| Conc RSD                          | 2.5250419         | 3.5385183         | 21.3601233          | ---             | ---                         | ---             | 1.7345693         |
| Conc SD                           | 0.0089242[mg/l]   | 0.0014583[mg/l]   | 0.0009380[mg/l]     | 17006.90000     | 114080                      | 128858          | 0.0324106[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 36759.90000       | 48088.30000       | 536330              | 60216.60000     | 12485.50000                 | 63888.10000     |                   |
| Int RSD                           | 1.6047133         | 1.4029691         | 0.7569276           | 0.5755058       | 1.6825678                   | 1.3511014       |                   |
| Int SD                            | 589.8910000       | 674.6640000       | 4059.630000         | 346.5500000     | 210.0770000                 | 863.1930000     |                   |
| RelInt Mean                       | -0.0005696        | 0.0006296         | 0.3182040           | 0.0321477       | -0.0010587                  | 0.0345337       |                   |
| RelInt RSD                        | 2.5562621         | 2.2469701         | 1.2277878           | 1.6958289       | 8.7891714                   | 2.5720673       |                   |
| RelInt SD                         | 0.0000146         | 0.0000141         | 0.0039069           | 0.0005452       | 0.0000930                   | 0.0008882       |                   |
| Conc Mean                         | <-0.0001440[mg/l] | 0.0011297[mg/l]   | 4.5882300[mg/l]     | 0.8668230[mg/l] | <-0.0039868[mg/l]           | 2.9814900[mg/l] |                   |
| Conc RSD                          | 24.8225926        | 2.9180247         | 1.2306968           | 1.7073036       | 7.7007547                   | 2.5579459       |                   |
| Conc SD                           | 0.0000358[mg/l]   | 0.0000330[mg/l]   | 0.0564672[mg/l]     | 0.0147993[mg/l] | 0.0003070[mg/l]             | 0.0762649[mg/l] |                   |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

|                       |                      |                                                          |
|-----------------------|----------------------|----------------------------------------------------------|
| Inst: MET06           | Lab ID: 506093-022   | Client ID: ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA |
| Seqnum: 484153223038  | Matrix: Wipe         | Acct: RINCON-BERK (JG)                                   |
| File: met06_master011 | Batch: 337746        | Time: 15-APR-2024 13:24                                  |
| Cal: 484153223001     | Caldate: 15-APR-2024 |                                                          |
| IDF: 1.0              | Raw Units: mg/l      | Units: ug/ft2                                            |

- 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw    | Result | RL   | Blank | Flags |
|---------|----|--------|--------|------|-------|-------|
| Lead    | A  | 0.5415 | 27     | 0.50 |       | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---------------------|----|---------------|--------------|--------|
| Yttrium             | A  | 1760010       | 1657480      | -5.83  |

U=use

| Sample Name: 506093-022,337746    |                   |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 13:24:31 |                   |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                          | 61220.20000       | 501152            | 8850.230000         | 15903.70000     | 16729.80000                 | 6666160         | 15885.70000       |
| Int RSD                           | 0.5517525         | 1.3894248         | 0.2558465           | 0.1974346       | 0.0463402                   | 0.4035022       | 0.4391113         |
| Int SD                            | 337.7840000       | 6963.130000       | 22.6430000          | 31.3994000      | 7.7526300                   | 26898.10000     | 69.7559000        |
| RelInt Mean                       | 0.0000149         | 0.0165110         | 0.0003831           | 0.0023752       | 0.0033117                   | 0.2572490       | 0.0033084         |
| RelInt RSD                        | 57.8627087        | 0.8656229         | 6.4567069           | 2.1815813       | 0.7213507                   | 0.5594891       | 2.5764621         |
| RelInt SD                         | 0.0000086         | 0.0001429         | 0.0000247           | 0.0000518       | 0.0000239                   | 0.0014393       | 0.0000852         |
| Conc Mean                         | <-0.0007847[mg/l] | 1.2075200[mg/l]   | 0.0215143[mg/l]     | 0.0227764[mg/l] | 0.0088378[mg/l]             | 9.7586000[mg/l] | 0.0166627[mg/l]   |
| Conc RSD                          | 40.2193071        | 0.8667434         | 5.8325858           | 2.4689459       | 0.7210645                   | 0.5666807       | 2.6501887         |
| Conc SD                           | 0.0003156[mg/l]   | 0.0104661[mg/l]   | 0.0012548[mg/l]     | 0.0005623[mg/l] | 0.0000637[mg/l]             | 0.0553001[mg/l] | 0.0004416[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                          | 23736.10000       | 535674            | 53528800            | 135678          | 330712                      | 1668740         | 7734.070000       |
| Int RSD                           | 0.4290806         | 0.8818965         | 0.1832344           | 0.4598181       | 0.4880107                   | 1.9685272       | 0.5424453         |
| Int SD                            | 101.8470000       | 4724.090000       | 98083.20000         | 623.8720000     | 1613.910000                 | 32849.60000     | 41.9531000        |
| RelInt Mean                       | 0.0076532         | 0.0155950         | 32.5446000          | 0.0048555       | 0.0103125                   | 1.0060500       | -0.0002419        |
| RelInt RSD                        | 0.6350935         | 0.9584354         | 0.7632480           | 0.7340481       | 0.7680989                   | 1.1507182       | 23.9137859        |
| RelInt SD                         | 0.0000486         | 0.0001495         | 0.2483960           | 0.0000356       | 0.0000792                   | 0.0115768       | 0.0000578         |
| Conc Mean                         | 0.0477775[mg/l]   | 0.4925300[mg/l]   | >108.3140000[mg/l]  | 1.2049900[mg/l] | 3.1030200[mg/l]             | 0.6427680[mg/l] | <-0.0022115[mg/l] |
| Conc RSD                          | 0.6324253         | 0.9652590         | 0.7630352           | 0.7380733       | 0.8092407                   | 1.1509736       | 20.7483055        |
| Conc SD                           | 0.0003022[mg/l]   | 0.0047542[mg/l]   | 0.8264740[mg/l]     | 0.0088937[mg/l] | 0.0251109[mg/l]             | 0.0073981[mg/l] | 0.0004589[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                          | 2573790           | 47288.30000       | 37459.40000         | 9009.650000     | 7966.230000                 | 15968.70000     | 548753            |
| Int RSD                           | 0.2613220         | 0.5570955         | 0.8349947           | 0.4271065       | 0.7034733                   | 0.3523374       | 0.8354688         |
| Int SD                            | 6725.880000       | 263.4410000       | 312.7840000         | 38.4808000      | 56.0403000                  | 56.2637000      | 4584.660000       |
| RelInt Mean                       | 0.0983032         | 0.0217885         | 0.0165288           | 0.0005152       | 0.0004126                   | 0.0033852       | 0.0192677         |
| RelInt RSD                        | 0.7006639         | 1.5259426         | 2.1720512           | 4.7116820       | 3.4300458                   | 2.2458709       | 0.3032287         |
| RelInt SD                         | 0.0006888         | 0.0003325         | 0.0003590           | 0.0000243       | 0.0000142                   | 0.0000760       | 0.0000584         |
| Conc Mean                         | 3.4530100[mg/l]   | 0.1690350[mg/l]   | 0.5414780[mg/l]     | 0.0259235[mg/l] | 0.0283176[mg/l]             | 0.0664081[mg/l] | 0.0954395[mg/l]   |
| Conc RSD                          | 0.7030011         | 1.5223652         | 2.1735324           | 4.4193492       | 3.3813529                   | 2.2790894       | 0.3300049         |
| Conc SD                           | 0.0242747[mg/l]   | 0.0025733[mg/l]   | 0.0117692[mg/l]     | 0.0011457[mg/l] | 0.0009575[mg/l]             | 0.0015135[mg/l] | 0.0003150[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                          | 763658            | 7369.820000       | 18259.10000         | 1657480         | 30693500                    | 25821900        | 4906720           |
| Int RSD                           | 1.4580873         | 0.0751090         | 1.7415371           | 0.9109069       | 0.8375291                   | 0.9613351       | 0.5938570         |
| Int SD                            | 11134.80000       | 5.5354000         | 317.9890000         | 15098.10000     | 257067                      | 248235          | 29138.90000       |
| RelInt Mean                       | 0.0226396         | -0.0007259        | 0.0000826           | ---             | ---                         | ---             | 2.9792200         |
| RelInt RSD                        | 0.8678864         | 2.8043843         | 6.7939546           | ---             | ---                         | ---             | 0.4023503         |
| RelInt SD                         | 0.0001965         | 0.0000204         | 0.0000056           | ---             | ---                         | ---             | 0.0119869         |
| Conc Mean                         | 0.1963080[mg/l]   | <-0.0455838[mg/l] | 0.0042950[mg/l]     | 1644310         | 30602800                    | 25751000        | 9.7611800[mg/l]   |
| Conc RSD                          | 0.8684414         | 2.8751662         | 20.8502910          | ---             | ---                         | ---             | 0.4024790         |
| Conc SD                           | 0.0017048[mg/l]   | 0.0013106[mg/l]   | 0.0008955[mg/l]     | 15106.40000     | 256651                      | 247843          | 0.0392867[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                          | 34916.10000       | 46617.40000       | 352321              | 74159.30000     | 10998.20000                 | 64641.30000     |                   |
| Int RSD                           | 0.7751181         | 0.4485214         | 0.2352781           | 0.5018454       | 1.3517576                   | 0.3558700       |                   |
| Int SD                            | 270.6410000       | 209.0890000       | 828.9340000         | 372.1650000     | 148.6690000                 | 230.0390000     |                   |
| RelInt Mean                       | -0.0005319        | 0.0006055         | 0.2063600           | 0.0402367       | -0.0001952                  | 0.0347385       |                   |
| RelInt RSD                        | 2.1030922         | 0.7065762         | 1.1682545           | 1.2336896       | 48.4493094                  | 1.3259122       |                   |
| RelInt SD                         | 0.0000112         | 0.0000043         | 0.0024108           | 0.0004964       | 0.0000946                   | 0.0004606       |                   |
| Conc Mean                         | <-0.0000515[mg/l] | 0.0010735[mg/l]   | 2.9721700[mg/l]     | 1.0864000[mg/l] | <-0.0009605[mg/l]           | 2.9990700[mg/l] |                   |
| Conc RSD                          | 53.3105508        | 0.9289822         | 1.1722714           | 1.2405928       | 32.3058359                  | 1.3184921       |                   |
| Conc SD                           | 0.0000275[mg/l]   | 0.0000100[mg/l]   | 0.0348419[mg/l]     | 0.0134778[mg/l] | 0.0003103[mg/l]             | 0.0395425[mg/l] |                   |

ENTHALPY BLANK USER REPORT FOR 506093 METALS Wipe  
EPA 6010B

|                        |                      |                         |
|------------------------|----------------------|-------------------------|
| Inst: MET06            | Lab ID: QC1144511    |                         |
| Seqnum: 484153223018.2 | Matrix: Wipe         |                         |
| File: met06_master011  | Batch: 337746        | Time: 15-APR-2024 12:18 |
| Cal: 484153223001      | Caldate: 15-APR-2024 |                         |
| IDF: 1.0               | Raw Units: mg/l      | Units: ug/ft2           |

• 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw        | Result | RL   | Flags |
|---------|----|------------|--------|------|-------|
| Lead    | A  | -0.0006532 | ND     | 0.50 | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BLANK Abund | %Drift |
|---------------------|----|---------------|-------------|--------|
| Yttrium             | A  | 1760010       | 1672810     | -4.95  |

U=Use

| Sample Name: BLANK,QC1144511,337746 |                  |                   |                     |                 | Sample Type: Unknown Sample |                 |                   |
|-------------------------------------|------------------|-------------------|---------------------|-----------------|-----------------------------|-----------------|-------------------|
| Measure Date: 2024-04-15 12:18:12   |                  |                   | Recalculation Date: |                 | State: Measured             |                 | Quality:          |
|                                     | Ag 328.068       | Al_R 396.152      | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616        |
| Int Mean                            | 64049.30000      | 60357.70000       | 4601.840000         | 13326.40000     | 10845.50000                 | 135197          | 10234.90000       |
| Int RSD                             | 1.6413450        | 0.2297901         | 0.3952462           | 1.0751441       | 0.3776958                   | 2.6013669       | 0.4375079         |
| Int SD                              | 1051.270000      | 138.6960000       | 18.1886000          | 143.2780000     | 40.9630000                  | 3516.970000     | 44.7785000        |
| RelInt Mean                         | 0.0000465        | 0.0001427         | -0.0001386          | 0.0014126       | 0.0000875                   | 0.0036684       | 0.0000087         |
| RelInt RSD                          | 5.1310584        | 19.4116369        | 11.8674095          | 7.5143711       | 5.3798000                   | 3.0830755       | 327.9040823       |
| RelInt SD                           | 0.0000024        | 0.0000277         | 0.0000164           | 0.0001061       | 0.0000047                   | 0.0001131       | 0.0000285         |
| Conc Mean                           | <0.0003721[mg/l] | 0.0093445[mg/l]   | <-0.0049136[mg/l]   | 0.0123293[mg/l] | <0.0000990[mg/l]            | 0.0150192[mg/l] | <-0.0000718[mg/l] |
| Conc RSD                            | 23.4716019       | 21.6916529        | 16.9810138          | 9.3435150       | 13.5370562                  | 28.9344306      | 205.3699743       |
| Conc SD                             | 0.0000873[mg/l]  | 0.0020270[mg/l]   | 0.0008344[mg/l]     | 0.0011520[mg/l] | 0.0000134[mg/l]             | 0.0043457[mg/l] | 0.0001475[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                            | 10713.30000      | 62051.90000       | 21426.30000         | 13402.90000     | 75210.30000                 | 13586.80000     | 6393.180000       |
| Int RSD                             | 0.4440079        | 1.3688944         | 6.7895064           | 2.1798566       | 1.2882797                   | 3.1106736       | 1.0891262         |
| Int SD                              | 47.5679000       | 849.4250000       | 1454.740000         | 292.1640000     | 968.9190000                 | 422.6410000     | 69.6298000        |
| RelInt Mean                         | 0.0001383        | 0.0001079         | 0.0053896           | 0.0000835       | 0.0005202                   | 0.0009049       | 0.0001081         |
| RelInt RSD                          | 3.4027995        | 6.4855435         | 16.4903332          | 3.6095667       | 3.5289843                   | 25.5850651      | 27.4092296        |
| RelInt SD                           | 0.0000047        | 0.0000070         | 0.0008888           | 0.0000030       | 0.0000184                   | 0.0002315       | 0.0000296         |
| Conc Mean                           | 0.0010606[mg/l]  | <-0.0001332[mg/l] | 0.0168894[mg/l]     | 0.0140977[mg/l] | <-0.0015078[mg/l]           | 0.0004116[mg/l] | <-0.0005651[mg/l] |
| Conc RSD                            | 2.7590495        | 167.1315070       | 17.5138252          | 5.3372252       | 385.9752094                 | 35.9452625      | 41.6080624        |
| Conc SD                             | 0.0000293[mg/l]  | 0.0002226[mg/l]   | 0.0029580[mg/l]     | 0.0007524[mg/l] | 0.0058198[mg/l]             | 0.0001480[mg/l] | 0.0002351[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                            | 49838.90000      | 11114.80000       | 9840.440000         | 6997.260000     | 5116.240000                 | 7158.310000     | 59580.60000       |
| Int RSD                             | 1.0008447        | 0.6811702         | 0.8096782           | 1.0586787       | 0.4609635                   | 0.4687475       | 1.5956973         |
| Int SD                              | 498.8100000      | 75.7107000        | 79.6759000          | 74.0785000      | 23.5840000                  | 33.5544000      | 950.7260000       |
| RelInt Mean                         | 0.0005062        | 0.0001971         | -0.0001338          | 0.0000633       | 0.0000036                   | 0.0015117       | 0.0002328         |
| RelInt RSD                          | 6.4261331        | 40.0875604        | 27.4040187          | 65.6285111      | 505.6134555                 | 1.8615758       | 6.9255620         |
| RelInt SD                           | 0.0000325        | 0.0000790         | 0.0000367           | 0.0000415       | 0.0000181                   | 0.0000281       | 0.0000161         |
| Conc Mean                           | 0.0059591[mg/l]  | 0.0019363[mg/l]   | <-0.0006532[mg/l]   | 0.0049001[mg/l] | <0.0006432[mg/l]            | 0.0291122[mg/l] | <-0.0071872[mg/l] |
| Conc RSD                            | 19.2405216       | 31.5829865        | 184.4744315         | 39.9354294      | 190.3116930                 | 1.9245402       | 1.2093314         |
| Conc SD                             | 0.0011466[mg/l]  | 0.0006116[mg/l]   | 0.0012051[mg/l]     | 0.0019569[mg/l] | 0.0012241[mg/l]             | 0.0005603[mg/l] | 0.0000869[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                            | 72567.90000      | 4823.940000       | 17301.20000         | 1672810         | 30928500                    | 26747700        | 7516.630000       |
| Int RSD                             | 1.6281166        | 0.4650659         | 1.0561348           | 0.7585918       | 0.5132483                   | 1.2609682       | 0.4526124         |
| Int SD                              | 1181.490000      | 22.4345000        | 182.7240000         | 12689.80000     | 158740                      | 337280          | 34.0212000        |
| RelInt Mean                         | 0.0001248        | -0.0001752        | 0.0000593           | ---             | ---                         | ---             | 0.0005217         |
| RelInt RSD                          | 7.3585087        | 3.0576625         | 8.6039222           | ---             | ---                         | ---             | 3.3342534         |
| RelInt SD                           | 0.0000092        | 0.0000054         | 0.0000051           | ---             | ---                         | ---             | 0.0000174         |
| Conc Mean                           | 0.0009369[mg/l]  | <-0.0097333[mg/l] | <0.0005787[mg/l]    | 1660390         | 30835800                    | 26674800        | <-0.0016261[mg/l] |
| Conc RSD                            | 8.5040505        | 3.5416463         | 140.6855986         | ---             | ---                         | ---             | 3.5061466         |
| Conc SD                             | 0.0000797[mg/l]  | 0.0003447[mg/l]   | 0.0008142[mg/l]     | 12709.00000     | 157784                      | 337552          | 0.0000570[mg/l]   |
|                                     | Be_R 313.107     | Li_R 670.780      | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                   |
| Int Mean                            | 36603.30000      | 34197.10000       | 16631.50000         | 5842.140000     | 10466.80000                 | 5186.790000     |                   |
| Int RSD                             | 1.2640718        | 1.5184621         | 2.6023269           | 1.9635613       | 0.8415839                   | 2.0423036       |                   |
| Int SD                              | 462.6920000      | 519.2700000       | 432.8060000         | 114.7140000     | 88.0869000                  | 105.9300000     |                   |
| RelInt Mean                         | -0.0004961       | 0.0000350         | 0.0032116           | 0.0009697       | 0.0001733                   | 0.0001739       |                   |
| RelInt RSD                          | 1.4444451        | 3.1905805         | 8.1493221           | 8.7509590       | 30.6879024                  | 23.9123283      |                   |
| RelInt SD                           | 0.0000072        | 0.0000011         | 0.0002617           | 0.0000849       | 0.0000532                   | 0.0000416       |                   |
| Conc Mean                           | <0.0000363[mg/l] | <-0.0002558[mg/l] | 0.0366948[mg/l]     | 0.0204727[mg/l] | 0.0003613[mg/l]             | 0.0314060[mg/l] |                   |
| Conc RSD                            | 48.5155229       | 1.0185424         | 10.2937201          | 11.2519599      | 49.7755154                  | 11.3665860      |                   |
| Conc SD                             | 0.0000176[mg/l]  | 0.0000026[mg/l]   | 0.0037773[mg/l]     | 0.0023036[mg/l] | 0.0001798[mg/l]             | 0.0035698[mg/l] |                   |

ENTHALPY SPIKE USER REPORT FOR 506093 METALS Wipe  
EPA 6010B

|                         |                         |
|-------------------------|-------------------------|
| Type: BS                | Type: BSD               |
| Inst: MET06             | Inst: MET06             |
| Seqnum: 484153223019.2  | Seqnum: 484153223020.2  |
| File: met06_master011   | File: met06_master011   |
| IDF: 1.0                | IDF: 1.0                |
| Lab ID: QC1144512       | Lab ID: QC1144513       |
| Matrix: Wipe            | Matrix: Wipe            |
| Batch: 337746           | Batch: 337746           |
| Time: 15-APR-2024 12:21 | Time: 15-APR-2024 12:24 |
| Cal: 484153223001       | Cal: 484153223001       |
| Units: ug/ft2           |                         |

- BS: 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2  $\Rightarrow$  50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---------|--------|--------|-----------|----|------|---------|------------|----|------|--------|-----|-----|-------|
| Lead    | 50.00  | 1.103  | 55.17     | A  | 110  | 1.089   | 54.44      | A  | 109  | 80-120 | 1   | 20  | u     |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BS Abund | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | A  | 1760010       | 1682560  | -4.40  |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BSD Abund | %Drift |
|---------------------|----|---------------|-----------|--------|
| Yttrium             | A  | 1760010       | 1682040   | -4.43  |

U=USE

| Sample Name: BS,QC1144512,337746  |                 |                 |                     |                 | Sample Type: Unknown Sample |                 |                 |
|-----------------------------------|-----------------|-----------------|---------------------|-----------------|-----------------------------|-----------------|-----------------|
| Measure Date: 2024-04-15 12:21:32 |                 |                 | Recalculation Date: |                 | State: Measured             |                 | Quality:        |
|                                   | Ag 328.068      | Al_R 396.152    | As 189.042          | B 249.677       | Ba 230.424                  | Ca_R 317.933    | Co 228.616      |
| Int Mean                          | 458414          | 410492          | 35844.10000         | 156288          | 703497                      | 883853          | 373682          |
| Int RSD                           | 1.2233745       | 0.8180768       | 0.8197472           | 0.4775088       | 0.5136710                   | 1.0208338       | 0.2539242       |
| Int SD                            | 5608.120000     | 3358.140000     | 293.8310000         | 746.2890000     | 3613.660000                 | 9022.670000     | 948.8690000     |
| RelInt Mean                       | 0.0128991       | 0.0133279       | 0.0184862           | 0.0869001       | 0.4146350                   | 0.0320947       | 0.2173140       |
| RelInt RSD                        | 1.4142847       | 0.8915208       | 1.2530428           | 1.8305042       | 1.8307258                   | 0.8907109       | 1.5672575       |
| RelInt SD                         | 0.0001824       | 0.0001188       | 0.0002316           | 0.0015907       | 0.0075908                   | 0.0002859       | 0.0034059       |
| Conc Mean                         | 0.4712520[mg/l] | 0.9745120[mg/l] | 0.9390850[mg/l]     | 0.9401040[mg/l] | 1.1185300[mg/l]             | 1.1072800[mg/l] | 1.1222600[mg/l] |
| Conc RSD                          | 1.4182072       | 0.8925062       | 1.2498336           | 1.8363394       | 1.8306706                   | 0.9919533       | 1.5681304       |
| Conc SD                           | 0.0066833[mg/l] | 0.0086976[mg/l] | 0.0117370[mg/l]     | 0.0172635[mg/l] | 0.0204766[mg/l]             | 0.0109837[mg/l] | 0.0175985[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                          | 302835          | 1056730         | 578067              | 589662          | 153731                      | 2986800         | 228426          |
| Int RSD                           | 0.5449799       | 1.2042622       | 0.4133915           | 0.8222948       | 0.6088147                   | 0.5308022       | 0.6014814       |
| Int SD                            | 1650.390000     | 12725.80000     | 2389.680000         | 4848.760000     | 935.9370000                 | 15854.00000     | 1373.940000     |
| RelInt Mean                       | 0.1747880       | 0.0325814       | 0.3385380           | 0.0218888       | 0.0034946                   | 1.7810400       | 0.1329620       |
| RelInt RSD                        | 1.9531604       | 1.6520070       | 1.8088516           | 0.6825683       | 0.5384239                   | 0.9048702       | 1.9005806       |
| RelInt SD                         | 0.0034139       | 0.0005382       | 0.0061237           | 0.0001494       | 0.0000188                   | 0.0161161       | 0.0025271       |
| Conc Mean                         | 1.0867800[mg/l] | 1.0328900[mg/l] | 1.1256800[mg/l]     | 5.4557700[mg/l] | 0.9414810[mg/l]             | 1.1380400[mg/l] | 1.0545400[mg/l] |
| Conc RSD                          | 1.9531000       | 1.6575724       | 1.8107366           | 0.6835845       | 0.6334605                   | 0.9047749       | 1.9009331       |
| Conc SD                           | 0.0212259[mg/l] | 0.0171209[mg/l] | 0.0203831[mg/l]     | 0.0372948[mg/l] | 0.0059639[mg/l]             | 0.0102967[mg/l] | 0.0200461[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                          | 725446          | 246778          | 66215.60000         | 41387.10000     | 26334.60000                 | 7527.760000     | 31142100        |
| Int RSD                           | 0.5164878       | 0.1556419       | 0.8155873           | 0.5513626       | 0.2531092                   | 0.7500531       | 0.2835628       |
| Int SD                            | 3746.840000     | 384.0900000     | 540.0460000         | 228.1930000     | 66.6553000                  | 56.4622000      | 88307.40000     |
| RelInt Mean                       | 0.0260774       | 0.1410350       | 0.0334436           | 0.0205243       | 0.0126345                   | 0.0016287       | 1.1799000       |
| RelInt RSD                        | 0.5539931       | 1.5902152       | 2.1176877           | 1.9619914       | 1.2723416                   | 2.8217911       | 0.3604077       |
| RelInt SD                         | 0.0001445       | 0.0022428       | 0.0007082           | 0.0004027       | 0.0001608                   | 0.0000460       | 0.0042524       |
| Conc Mean                         | 0.9072670[mg/l] | 1.0919000[mg/l] | 1.1033200[mg/l]     | 0.9626920[mg/l] | 0.8553250[mg/l]             | 0.0314397[mg/l] | 6.3529800[mg/l] |
| Conc RSD                          | 0.5612119       | 1.5895503       | 2.1111645           | 1.9584769       | 1.2718674                   | 2.9101136       | 0.3609062       |
| Conc SD                           | 0.0050917[mg/l] | 0.0173563[mg/l] | 0.0232929[mg/l]     | 0.0188541[mg/l] | 0.0108786[mg/l]             | 0.0009149[mg/l] | 0.0229283[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                          | 3854390         | 33445.70000     | 215091              | 1682560         | 30598000                    | 26412700        | 548820          |
| Int RSD                           | 1.6398392       | 0.0789477       | 1.4942234           | 1.4224099       | 1.7969573                   | 0.1714652       | 0.1211729       |
| Int SD                            | 63205.80000     | 26.4046000      | 3213.940000         | 23932.90000     | 549833                      | 45288.60000     | 665.0210000     |
| RelInt Mean                       | 0.1238750       | 0.0168257       | 0.0065231           | ---             | ---                         | ---             | 0.3244690       |
| RelInt RSD                        | 1.7628093       | 1.5532727       | 1.7716910           | ---             | ---                         | ---             | 1.5512237       |
| RelInt SD                         | 0.0021837       | 0.0002613       | 0.0001156           | ---             | ---                         | ---             | 0.0050332       |
| Conc Mean                         | 1.0747700[mg/l] | 1.0765400[mg/l] | 1.0310300[mg/l]     | 1670010         | 30505200                    | 26340200        | 1.0595800[mg/l] |
| Conc RSD                          | 1.7631586       | 1.5506995       | 1.7872807           | ---             | ---                         | ---             | 1.5557863       |
| Conc SD                           | 0.0189499[mg/l] | 0.0166939[mg/l] | 0.0184274[mg/l]     | 23952.20000     | 549298                      | 45233.70000     | 0.0164848[mg/l] |
|                                   | Be_R 313.107    | Li_R 670.780    | Si 251.612          | P 177.495       | Cd 228.802                  | S 182.034       |                 |
| Int Mean                          | 10797200        | 13154000        | 570265              | 6704.450000     | 507861                      | 5257.900000     |                 |
| Int RSD                           | 0.4250713       | 0.7972328       | 0.5373625           | 0.6964315       | 0.3825279                   | 0.8255330       |                 |
| Int SD                            | 45895.80000     | 104868          | 3064.390000         | 46.6919000      | 1942.710000                 | 43.4057000      |                 |
| RelInt Mean                       | 0.4073120       | 0.4944990       | 0.3341400           | 0.0013631       | 0.2974250                   | 0.0001345       |                 |
| RelInt RSD                        | 0.3939290       | 0.8133626       | 1.8146944           | 2.6876417       | 1.6826091                   | 22.2507735      |                 |
| RelInt SD                         | 0.0016045       | 0.0040221       | 0.0060636           | 0.0000366       | 0.0050045                   | 0.0000299       |                 |
| Conc Mean                         | 1.0015400[mg/l] | 1.1519900[mg/l] | 4.7947600[mg/l]     | 0.0311496[mg/l] | 0.9855530[mg/l]             | 0.0280215[mg/l] |                 |
| Conc RSD                          | 0.3933982       | 0.8137466       | 1.8179659           | 3.1924294       | 1.6850438                   | 9.1666399       |                 |
| Conc SD                           | 0.0039400[mg/l] | 0.0093743[mg/l] | 0.0871671[mg/l]     | 0.0009944[mg/l] | 0.0166070[mg/l]             | 0.0025686[mg/l] |                 |



Sample Name: BSD,QC1144513,337746

Sample Type: Unknown Sample

Measure Date: 2024-04-15 12:24:51

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068      | Al_R 396.152    | As 189.042      | B 249.677       | Ba 230.424      | Ca_R 317.933    | Co 228.616      |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Int Mean    | 452052          | 405943          | 35428.00000     | 154140          | 693698          | 876889          | 369859          |
| Int RSD     | 1.4037987       | 0.5584405       | 0.4964717       | 0.8141430       | 0.6421584       | 0.5694826       | 0.6774176       |
| Int SD      | 6345.900000     | 2266.950000     | 175.8900000     | 1254.920000     | 4454.640000     | 4993.730000     | 2505.490000     |
| RelInt Mean | 0.0127507       | 0.0131474       | 0.0182662       | 0.0856647       | 0.4088520       | 0.0318423       | 0.2151510       |
| RelInt RSD  | 0.4728336       | 0.4775568       | 0.6754059       | 0.1938640       | 0.3531351       | 0.6771182       | 0.3089472       |
| RelInt SD   | 0.0000603       | 0.0000628       | 0.0001234       | 0.0001661       | 0.0014438       | 0.0002156       | 0.0006647       |
| Conc Mean   | 0.4658170[mg/l] | 0.9612960[mg/l] | 0.9279300[mg/l] | 0.9266960[mg/l] | 1.1029200[mg/l] | 1.0975800[mg/l] | 1.1110500[mg/l] |
| Conc RSD    | 0.4739994       | 0.4778705       | 0.6743504       | 0.1944651       | 0.3539631       | 0.7548406       | 0.3092876       |
| Conc SD     | 0.0022080[mg/l] | 0.0045937[mg/l] | 0.0062575[mg/l] | 0.0018021[mg/l] | 0.0039039[mg/l] | 0.0082850[mg/l] | 0.0034363[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    | 300097          | 1060760         | 608481          | 581363          | 153747          | 2965870         | 225222          |
| Int RSD     | 0.6016455       | 0.6254007       | 0.7843121       | 0.6302379       | 0.6059930       | 0.8822201       | 0.7814690       |
| Int SD      | 1805.520000     | 6634.000000     | 4772.390000     | 3663.970000     | 931.6960000     | 26165.50000     | 1760.040000     |
| RelInt Mean | 0.1732210       | 0.0328814       | 0.3567990       | 0.0215735       | 0.0035341       | 1.7689600       | 0.1310970       |
| RelInt RSD  | 0.3850307       | 0.5658883       | 0.2230965       | 0.6786984       | 0.4136642       | 0.1062443       | 0.2089850       |
| RelInt SD   | 0.0006670       | 0.0001861       | 0.0007960       | 0.0001464       | 0.0000146       | 0.0018794       | 0.0002740       |
| Conc Mean   | 1.0770400[mg/l] | 1.0424300[mg/l] | 1.1864500[mg/l] | 5.3770800[mg/l] | 0.9539950[mg/l] | 1.1303200[mg/l] | 1.0397500[mg/l] |
| Conc RSD    | 0.3847109       | 0.5676208       | 0.2230629       | 0.6795696       | 0.4857940       | 0.1067609       | 0.2087511       |
| Conc SD     | 0.0041435[mg/l] | 0.0059170[mg/l] | 0.0026465[mg/l] | 0.0365410[mg/l] | 0.0046345[mg/l] | 0.0012067[mg/l] | 0.0021705[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    | 712413          | 244745          | 65398.80000     | 40809.80000     | 25970.60000     | 7297.300000     | 30766600        |
| Int RSD     | 0.5050989       | 0.5446975       | 0.3916127       | 0.6700890       | 0.4828190       | 0.6374782       | 0.6465518       |
| Int SD      | 3598.390000     | 1333.120000     | 256.1100000     | 273.4620000     | 125.3910000     | 46.5187000      | 198922          |
| RelInt Mean | 0.0255882       | 0.1398430       | 0.0330036       | 0.0202235       | 0.0124503       | 0.0015073       | 1.1651000       |
| RelInt RSD  | 0.9124128       | 0.4204916       | 0.5632779       | 0.3313724       | 1.5023092       | 2.3811002       | 0.8795983       |
| RelInt SD   | 0.0002335       | 0.0005880       | 0.0001859       | 0.0000670       | 0.0001870       | 0.0000359       | 0.0102482       |
| Conc Mean   | 0.8900230[mg/l] | 1.0826800[mg/l] | 1.0888500[mg/l] | 0.9485750[mg/l] | 0.8428600[mg/l] | 0.0290243[mg/l] | 6.2732000[mg/l] |
| Conc RSD    | 0.9245963       | 0.4202747       | 0.5616421       | 0.3306908       | 1.5016491       | 2.4616166       | 0.8808120       |
| Conc SD     | 0.0082291[mg/l] | 0.0045502[mg/l] | 0.0061154[mg/l] | 0.0031369[mg/l] | 0.0126568[mg/l] | 0.0007145[mg/l] | 0.0552551[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    | 3863880         | 33067.40000     | 212737          | 1682040     | 30450600  | 26426200    | 543606          |
| Int RSD     | 0.9280438       | 0.2736054       | 1.8430785       | 0.9913320   | 1.1405490 | 0.4512983   | 0.6924832       |
| Int SD      | 35858.50000     | 90.4742000      | 3920.910000     | 16674.60000 | 347304    | 119261      | 3764.380000     |
| RelInt Mean | 0.1247760       | 0.0166349       | 0.0064817       | ---         | ---       | ---         | 0.3214210       |
| RelInt RSD  | 0.2811751       | 1.0179021       | 0.9639199       | ---         | ---       | ---         | 0.3330554       |
| RelInt SD   | 0.0003508       | 0.0001693       | 0.0000625       | ---         | ---       | ---         | 0.0010705       |
| Conc Mean   | 1.0825900[mg/l] | 1.0643100[mg/l] | 1.0244400[mg/l] | 1669470     | 30358200  | 26353300    | 1.0495900[mg/l] |
| Conc RSD    | 0.2810214       | 1.0208774       | 0.9726026       | ---         | ---       | ---         | 0.3338856       |
| Conc SD     | 0.0030423[mg/l] | 0.0108653[mg/l] | 0.0099637[mg/l] | 16640.50000 | 346300    | 119295      | 0.0035044[mg/l] |

|             | Be_R 313.107    | Li_R 670.780    | Si 251.612      | P 177.495       | Cd 228.802      | S 182.034       |  |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| Int Mean    | 10653900        | 12935800        | 564183          | 6885.820000     | 500832          | 5200.990000     |  |
| Int RSD     | 0.7752485       | 1.1045857       | 0.8577111       | 0.7839502       | 0.7048431       | 1.1201483       |  |
| Int SD      | 82594.20000     | 142887          | 4839.060000     | 53.9814000      | 3530.080000     | 58.2588000      |  |
| RelInt Mean | 0.4016750       | 0.4860480       | 0.3305910       | 0.0014915       | 0.2933610       | 0.0001239       |  |
| RelInt RSD  | 0.8187415       | 1.2139892       | 0.1339259       | 1.1119783       | 0.3404836       | 21.8664515      |  |
| RelInt SD   | 0.0032887       | 0.0059006       | 0.0004427       | 0.0000166       | 0.0009988       | 0.0000271       |  |
| Conc Mean   | 0.9876940[mg/l] | 1.1323000[mg/l] | 4.7438100[mg/l] | 0.0346352[mg/l] | 0.9720740[mg/l] | 0.0271173[mg/l] |  |
| Conc RSD    | 0.8177219       | 1.2143602       | 0.1341243       | 1.2996316       | 0.3406593       | 8.5795784       |  |
| Conc SD     | 0.0080766[mg/l] | 0.0137502[mg/l] | 0.0063626[mg/l] | 0.0004501[mg/l] | 0.0033115[mg/l] | 0.0023266[mg/l] |  |

|                             |                         |
|-----------------------------|-------------------------|
| Instrument: MET06           | Date: 15-APR-2024 09:43 |
| Calibration #: 484153223001 | X Axis: R               |
| Units: mg/L                 |                         |

| Level | File            | Seqnum       | Sample ID | Analyzed          | Standards             |
|-------|-----------------|--------------|-----------|-------------------|-----------------------|
| L1    | met06_master011 | 484153223002 | L1        | 15-APR-2024 09:46 | S19988, S16862 (100X) |
| L2    | met06_master011 | 484153223003 | L2        | 15-APR-2024 09:50 | S19987, S16862 (100X) |
| L3    | met06_master011 | 484153223004 | L3        | 15-APR-2024 09:53 | S19986, S16862 (100X) |
| L4    | met06_master011 | 484153223005 | L4        | 15-APR-2024 09:56 | S19985, S16862 (100X) |
| L5    | met06_master011 | 484153223006 | L5        | 15-APR-2024 10:00 | S19984, S16862 (100X) |
| L6    | met06_master011 | 484153223007 | L6        | 15-APR-2024 10:03 | S19983, S16862 (100X) |

| Analyte | Ch | Type | a0      | a1      | a2 | Avg RF | r <sup>2</sup> | %RSD | n | Min r <sup>2</sup> | Flags |
|---------|----|------|---------|---------|----|--------|----------------|------|---|--------------------|-------|
| Lead    | A  | WB1K | 0.00376 | 32.8899 |    | 0.0226 | 1.000          |      | 7 | 0.995              |       |

Instrument amount = a0 + (response × a1) + (response<sup>2</sup> × 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  | -0.011 | 0.0201 | 0.0337 | 0.0328 | 0.0304 | 0.0304 |

| Spiked Amounts / Drifts | Ch | L1     | %D  | L2     | %D | L3     | %D | L4     | %D | L5     | %D | L6     | %D |
|-------------------------|----|--------|-----|--------|----|--------|----|--------|----|--------|----|--------|----|
| Lead                    | A  | 0.0033 | -24 | 0.0100 | 4  | 0.1000 | 14 | 1.0000 | 8  | 5.0000 | 0  | 10.000 | 0  |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506093 METALS Wipe  
EPA 6010B

|                      |                       |
|----------------------|-----------------------|
| Inst: MET06          | Cal Date: 15-APR-2024 |
| Calnum: 484153223001 |                       |

- ICV 484153223010 (15-APR-2024) stds: S20478, S16862 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---------|----|--------|-------|-------|----|-----|-------|
| Lead    | A  | 1.000  | 1.088 | mg/l  | 9  | 10  |       |

| Sample Name: ICALBLK,CALBLANK     |              |              |                     |             | Sample Type: Calibration Sample |              |              |
|-----------------------------------|--------------|--------------|---------------------|-------------|---------------------------------|--------------|--------------|
| Measure Date: 2024-04-15 09:43:38 |              |              | Recalculation Date: |             | State: Measured                 |              | Quality:     |
|                                   | Ag 328.068   | Al_R 396.152 | As 189.042          | B 249.677   | Ba 230.424                      | Ca_R 317.933 | Co 228.616   |
| Int Mean                          | 68978.80000  | 61268.10000  | 4887.530000         | 12046.20000 | 11341.10000                     | 128913       | 10877.30000  |
| Int RSD                           | 0.4425389    | 0.8490797    | 1.2010852           | 0.9069748   | 0.5784941                       | 0.3240496    | 0.3014820    |
| Int SD                            | 305.2580000  | 520.2150000  | 58.7034000          | 109.2560000 | 65.6076000                      | 417.7420000  | 32.7931000   |
| RelInt Mean                       | 0.0000363    | 0.0000188    | -0.0000418          | 0.0002765   | 0.0000404                       | 0.0032682    | 0.0000114    |
| RelInt RSD                        | 18.9602437   | 32.3944111   | 60.2995914          | 19.1785831  | 111.6935174                     | 1.0853413    | 28.5710893   |
| RelInt SD                         | 0.0000069    | 0.0000061    | 0.0000252           | 0.0000530   | 0.0000451                       | 0.0000355    | 0.0000032    |
|                                   | Cr 267.716   | Cu 324.754   | Fe 259.941          | K_R 769.896 | Mg_R 383.230                    | Mn 257.611   | Mo 202.095   |
| Int Mean                          | 11173.30000  | 66912.10000  | 13826.50000         | 12929.50000 | 78933.20000                     | 12952.10000  | 6421.460000  |
| Int RSD                           | 0.3860847    | 0.3863188    | 1.2595668           | 1.1845315   | 0.2223652                       | 0.6117433    | 0.5198849    |
| Int SD                            | 43.1384000   | 258.4940000  | 174.1540000         | 153.1540000 | 175.5200000                     | 79.2336000   | 33.3842000   |
| RelInt Mean                       | -0.0000345   | 0.0001131    | 0.0002699           | 0.0000434   | 0.0005264                       | 0.0001051    | 0.0000272    |
| RelInt RSD                        | 45.1831518   | 3.2887467    | 28.1965391          | 6.7946828   | 2.2476873                       | 37.9472643   | 46.5564941   |
| RelInt SD                         | 0.0000156    | 0.0000037    | 0.0000761           | 0.0000029   | 0.0000118                       | 0.0000399    | 0.0000127    |
|                                   | Na_R 589.592 | Ni 231.604   | Pb 220.353          | Sb 206.833  | Se 196.090                      | Sn 189.991   | Sr_R 407.771 |
| Int Mean                          | 44605.10000  | 11404.40000  | 10306.10000         | 7157.520000 | 5257.890000                     | 4937.540000  | 62216.20000  |
| Int RSD                           | 1.7285378    | 0.4946863    | 0.2411659           | 0.4231605   | 0.2940780                       | 0.2931926    | 0.4826042    |
| Int SD                            | 771.0160000  | 56.4160000   | 24.8548000          | 30.2878000  | 15.4623000                      | 14.4765000   | 300.2580000  |
| RelInt Mean                       | 0.0002215    | -0.0000632   | -0.0001170          | -0.0000408  | -0.0000071                      | 0.0000499    | 0.0002006    |
| RelInt RSD                        | 11.4747903   | 111.1280763  | 11.5730462          | 36.3026297  | 188.1023290                     | 9.6690211    | 3.9520829    |
| RelInt SD                         | 0.0000254    | 0.0000702    | 0.0000135           | 0.0000148   | 0.0000133                       | 0.0000048    | 0.0000079    |
|                                   | 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                          | 74168.30000  | 4892.770000  | 18538.50000         | 1760010     | 33025300                        | 27459700     | 8409.410000  |
| Int RSD                           | 0.4813997    | 0.4133916    | 0.9057691           | 1.0657610   | 1.2473619                       | 0.8540625    | 0.5218880    |
| Int SD                            | 357.0460000  | 20.2263000   | 167.9160000         | 18757.50000 | 411945                          | 234523       | 43.8877000   |
| RelInt Mean                       | 0.0000152    | -0.0000301   | 0.0000558           | ---         | ---                             | ---          | 0.0008418    |
| RelInt RSD                        | 30.7605313   | 33.4784455   | 6.8955276           | ---         | ---                             | ---          | 3.5535335    |
| RelInt SD                         | 0.0000047    | 0.0000101    | 0.0000038           | ---         | ---                             | ---          | 0.0000299    |
|                                   | Be_R 313.107 | Li_R 670.780 | Si 251.612          | P 177.495   | Cd 228.802                      | S 182.034    |              |
| Int Mean                          | 38621.80000  | 35083.00000  | 13187.40000         | 4803.290000 | 11002.30000                     | 4933.380000  |              |
| Int RSD                           | 0.5732721    | 0.8776302    | 1.0367624           | 2.0020319   | 0.0977096                       | 0.9473018    |              |
| Int SD                            | 221.4080000  | 307.8990000  | 136.7220000         | 96.1634000  | 10.7503000                      | 46.7340000   |              |
| RelInt Mean                       | -0.0005130   | 0.0000151    | 0.0006712           | 0.0002156   | 0.0000790                       | -0.0001919   |              |
| RelInt RSD                        | 1.9649328    | 19.8115812   | 7.1903736           | 22.5539081  | 29.2566773                      | 16.3959711   |              |
| RelInt SD                         | 0.0000101    | 0.0000030    | 0.0000483           | 0.0000486   | 0.0000231                       | 0.0000315    |              |

Sample Name: ICAL,L1,S19988

Sample Type: Calibration Sample

Measure Date: 2024-04-15 09:46:57

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068   | Al_R 396.152 | As 189.042  | B 249.677   | Ba 230.424   | Ca_R 317.933 | Co 228.616   |
|-------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|
| Int Mean    | 68569.50000  | 64969.70000  | 5002.600000 | 12529.60000 | 13724.50000  | 150011       | 11629.40000  |
| Int RSD     | 0.2112849    | 1.4454461    | 0.8538320   | 0.2023712   | 0.7503443    | 0.3776830    | 1.1761226    |
| Int SD      | 144.8770000  | 939.1020000  | 42.7138000  | 25.3563000  | 102.9810000  | 566.5660000  | 136.7760000  |
| RelInt Mean | 0.0000309    | 0.0001434    | 0.0000289   | 0.0005126   | 0.0013864    | 0.0040571    | 0.0004326    |
| RelInt RSD  | 34.1479676   | 7.2543605    | 97.8447650  | 7.0103885   | 3.9702185    | 1.3382638    | 14.8496400   |
| RelInt SD   | 0.0000106    | 0.0000104    | 0.0000283   | 0.0000359   | 0.0000550    | 0.0000543    | 0.0000642    |
|             | Cr 267.716   | Cu 324.754   | Fe 259.941  | K_R 769.896 | Mg_R 383.230 | Mn 257.611   | Mo 202.095   |
| Int Mean    | 12055.30000  | 69757.70000  | 18020.80000 | 16844.20000 | 82434.60000  | 23166.00000  | 7183.990000  |
| Int RSD     | 0.6219621    | 0.1694193    | 0.8240755   | 1.1120029   | 0.9543565    | 0.1949573    | 0.1302961    |
| Int SD      | 74.9794000   | 118.1830000  | 148.5050000 | 187.3080000 | 786.7200000  | 45.1638000   | 9.3604600    |
| RelInt Mean | 0.0004596    | 0.0002062    | 0.0026698   | 0.0001855   | 0.0006503    | 0.0058646    | 0.0004652    |
| RelInt RSD  | 7.3858190    | 0.3100137    | 3.3101143   | 3.6523094   | 2.1455242    | 1.0716813    | 1.0960783    |
| RelInt SD   | 0.0000339    | 0.0000006    | 0.0000884   | 0.0000068   | 0.0000140    | 0.0000628    | 0.0000051    |
|             | Na_R 589.592 | Ni 231.604   | Pb 220.353  | Sb 206.833  | Se 196.090   | Sn 189.991   | Sr_R 407.771 |
| Int Mean    | 85157.90000  | 20347.10000  | 10447.70000 | 7563.090000 | 5490.780000  | 5238.740000  | 560547       |
| Int RSD     | 0.5783679    | 0.8475704    | 0.3358136   | 0.3484383   | 0.6311854    | 0.4870560    | 0.3807531    |
| Int SD      | 492.5260000  | 172.4560000  | 35.0848000  | 26.3527000  | 34.6570000   | 25.5156000   | 2134.300000  |
| RelInt Mean | 0.0017050    | 0.0049320    | -0.0000378  | 0.0001982   | 0.0001171    | 0.0002132    | 0.0184973    |
| RelInt RSD  | 1.8070241    | 2.6256040    | 88.1590542  | 12.1214048  | 7.6482585    | 10.3135054   | 1.4011613    |
| RelInt SD   | 0.0000308    | 0.0001295    | 0.0000333   | 0.0000240   | 0.0000090    | 0.0000220    | 0.0002592    |
|             | 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    | 86064.10000  | 5198.760000  | 18827.50000 | 1771020     | 32554400     | 27297900     | 13205.30000  |
| Int RSD     | 0.3145016    | 0.1557945    | 0.4876935   | 0.3780991   | 0.9424993    | 0.9998754    | 0.4722324    |
| Int SD      | 270.6730000  | 8.0993800    | 91.8205000  | 6696.210000 | 306825       | 272945       | 62.3597000   |
| RelInt Mean | 0.0003907    | 0.0001500    | 0.0000676   | ---         | ---          | ---          | 0.0035783    |
| RelInt RSD  | 3.1766811    | 1.8356691    | 1.2796975   | ---         | ---          | ---          | 0.6139944    |
| RelInt SD   | 0.0000124    | 0.0000028    | 0.0000009   | ---         | ---          | ---          | 0.0000220    |
|             | Be_R 313.107 | Li_R 670.780 | Si 251.612  | P 177.495   | Cd 228.802   | S 182.034    |              |
| Int Mean    | 49347.60000  | 76354.40000  | 13426.70000 | 5084.110000 | 11838.30000  | 4984.650000  |              |
| Int RSD     | 0.8530668    | 0.6179906    | 0.2882637   | 3.3095271   | 0.7792445    | 0.5085492    |              |
| Int SD      | 420.9680000  | 471.8630000  | 38.7043000  | 168.2600000 | 92.2493000   | 25.3494000   |              |
| RelInt Mean | -0.0001407   | 0.0015171    | 0.0007299   | 0.0003745   | 0.0005701    | -0.0001435   |              |
| RelInt RSD  | 5.3794653    | 0.7103430    | 5.2724069   | 24.0881513  | 10.1623411   | 16.5913463   |              |
| RelInt SD   | 0.0000076    | 0.0000108    | 0.0000385   | 0.0000902   | 0.0000579    | 0.0000238    |              |

Method Name: Met06\_Master011923

Method Autor:

Operator

Sample Name: ICAL,L2,S19987

Sample Type: Calibration Sample

Measure Date: 2024-04-15 09:50:16

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068   | Al_R 396.152 | As 189.042  | B 249.677   | Ba 230.424   | Ca_R 317.933 | Co 228.616   |
|-------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|
| Int Mean    | 67958.80000  | 69312.70000  | 5173.980000 | 13475.50000 | 18036.00000  | 197652       | 12726.50000  |
| Int RSD     | 0.3074775    | 1.1942328    | 0.6954723   | 0.6890171   | 0.1706908    | 0.4938119    | 1.1648922    |
| Int SD      | 208.9580000  | 827.7550000  | 35.9836000  | 92.8485000  | 30.7858000   | 976.0290000  | 148.2500000  |
| RelInt Mean | 0.0000312    | 0.0002974    | 0.0001302   | 0.0011245   | 0.0038364    | 0.0058325    | 0.0010976    |
| RelInt RSD  | 17.7802006   | 2.1339080    | 30.5938160  | 9.0190307   | 0.9837138    | 0.6379987    | 8.5947175    |
| RelInt SD   | 0.0000055    | 0.0000063    | 0.0000398   | 0.0001014   | 0.0000377    | 0.0000372    | 0.0000943    |
|             | Cr 267.716   | Cu 324.754   | Fe 259.941  | K_R 769.896 | Mg_R 383.230 | Mn 257.611   | Mo 202.095   |
| Int Mean    | 13926.90000  | 75740.40000  | 25319.80000 | 24712.60000 | 88226.40000  | 42546.90000  | 8643.140000  |
| Int RSD     | 0.6843432    | 0.8743088    | 0.4297348   | 0.6800296   | 0.8263445    | 0.2388494    | 1.5283335    |
| Int SD      | 95.3078000   | 662.2050000  | 108.8080000 | 168.0530000 | 729.0540000  | 101.6230000  | 132.0960000  |
| RelInt Mean | 0.0015736    | 0.0004117    | 0.0068267   | 0.0004715   | 0.0008693    | 0.0169151    | 0.0013113    |
| RelInt RSD  | 3.0395905    | 2.2547338    | 0.7301980   | 1.5813329   | 1.2592544    | 0.5869980    | 4.7996370    |
| RelInt SD   | 0.0000478    | 0.0000093    | 0.0000498   | 0.0000075   | 0.0000109    | 0.0000993    | 0.0000629    |
|             | Na_R 589.592 | Ni 231.604   | Pb 220.353  | Sb 206.833  | Se 196.090   | Sn 189.991   | Sr_R 407.771 |
| Int Mean    | 166753       | 13902.00000  | 10770.00000 | 8226.070000 | 5994.800000  | 5781.890000  | 1537040      |
| Int RSD     | 0.9181784    | 0.4320983    | 0.2433788   | 0.8720045   | 0.7079402    | 0.7639993    | 0.9427406    |
| Int SD      | 1531.090000  | 60.0703000   | 26.2119000  | 71.7317000  | 42.4396000   | 44.1736000   | 14490.30000  |
| RelInt Mean | 0.0047117    | 0.0013391    | 0.0002005   | 0.0005943   | 0.0004248    | 0.0005388    | 0.0545994    |
| RelInt RSD  | 2.2457027    | 1.7320743    | 6.7197881   | 1.4074254   | 4.6105775    | 4.8021099    | 1.9296732    |
| RelInt SD   | 0.0001058    | 0.0000232    | 0.0000135   | 0.0000084   | 0.0000196    | 0.0000259    | 0.0010536    |
|             | 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    | 109567       | 5770.440000  | 19068.40000 | 1777570     | 32422600     | 27177600     | 24805.20000  |
| Int RSD     | 0.3582429    | 0.2570047    | 1.3852395   | 0.4885242   | 1.1891952    | 0.9039319    | 0.4538403    |
| Int SD      | 392.5160000  | 14.8303000   | 264.1430000 | 8683.860000 | 385568       | 245667       | 112.5760000  |
| RelInt Mean | 0.0011385    | 0.0005072    | 0.0000824   | ---         | ---          | ---          | 0.0101601    |
| RelInt RSD  | 2.4051927    | 3.1044260    | 4.4475692   | ---         | ---          | ---          | 0.5065186    |
| RelInt SD   | 0.0000274    | 0.0000157    | 0.0000037   | ---         | ---          | ---          | 0.0000515    |
|             | Be_R 313.107 | Li_R 670.780 | Si 251.612  | P 177.495   | Cd 228.802   | S 182.034    |              |
| Int Mean    | 70783.10000  | 155822       | 13213.90000 | 4746.370000 | 13443.00000  | 4954.570000  |              |
| Int RSD     | 0.6465329    | 0.3115144    | 0.8681616   | 1.6320852   | 0.9424310    | 0.7553168    |              |
| Int SD      | 457.6360000  | 485.4080000  | 114.7180000 | 77.4648000  | 126.6910000  | 37.4227000   |              |
| RelInt Mean | 0.0006601    | 0.0044296    | 0.0006945   | 0.0001872   | 0.0015032    | -0.0001451   |              |
| RelInt RSD  | 3.2012835    | 1.5706836    | 13.3353876  | 33.4881684  | 4.0680991    | 11.2858590   |              |
| RelInt SD   | 0.0000211    | 0.0000696    | 0.0000926   | 0.0000627   | 0.0000612    | 0.0000164    |              |

Sample Name: ICAL,L3,S19986

Sample Type: Calibration Sample

Measure Date: 2024-04-15 09:53:34

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068   | Al_R 396.152 | As 189.042  | B 249.677   | Ba 230.424   | Ca_R 317.933 | Co 228.616   |
|-------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|
| Int Mean    | 67896.20000  | 132451       | 8300.450000 | 27769.10000 | 80392.30000  | 878750       | 29176.30000  |
| Int RSD     | 0.5118622    | 0.7863663    | 0.9523472   | 0.0332716   | 0.5222391    | 0.6117758    | 0.7135518    |
| Int SD      | 347.5350000  | 1041.550000  | 79.0491000  | 9.2392300   | 419.8400000  | 5375.980000  | 208.1880000  |
| RelInt Mean | 0.0000446    | 0.0025991    | 0.0019171   | 0.0092436   | 0.0394541    | 0.0312769    | 0.0104792    |
| RelInt RSD  | 20.1423503   | 0.4179764    | 1.3052648   | 0.8581856   | 1.1180435    | 0.1987918    | 0.4261986    |
| RelInt SD   | 0.0000090    | 0.0000109    | 0.0000250   | 0.0000793   | 0.0004411    | 0.0000622    | 0.0000447    |
|             | Cr 267.716   | Cu 324.754   | Fe 259.941  | K_R 769.896 | Mg_R 383.230 | Mn 257.611   | Mo 202.095   |
| Int Mean    | 41405.00000  | 166201       | 125977      | 145372      | 166832       | 313708       | 28938.30000  |
| Int RSD     | 0.3554909    | 0.0781084    | 0.2245719   | 0.3293378   | 0.1807645    | 0.1036167    | 0.4793785    |
| Int SD      | 147.1910000  | 129.8170000  | 282.9090000 | 478.7650000 | 301.5730000  | 325.0540000  | 138.7240000  |
| RelInt Mean | 0.0172209    | 0.0032112    | 0.0642812   | 0.0049685   | 0.0038269    | 0.1717670    | 0.0129000    |
| RelInt RSD  | 0.6169190    | 1.1234320    | 0.4629207   | 0.4929556   | 0.0534661    | 0.5857586    | 1.2793411    |
| RelInt SD   | 0.0001062    | 0.0000361    | 0.0002976   | 0.0000245   | 0.0000020    | 0.0010061    | 0.0001650    |
|             | Na_R 589.592 | Ni 231.604   | Pb 220.353  | Sb 206.833  | Se 196.090   | Sn 189.991   | Sr_R 407.771 |
| Int Mean    | 1420470      | 36227.40000  | 16333.30000 | 17959.00000 | 13162.20000  | 13553.70000  | 15089700     |
| Int RSD     | 0.3241047    | 0.7923367    | 0.9339876   | 0.9407595   | 0.0407796    | 0.7224913    | 0.5315420    |
| Int SD      | 4603.810000  | 287.0430000  | 152.5510000 | 168.9510000 | 5.3674900    | 97.9243000   | 80208.10000  |
| RelInt Mean | 0.0513784    | 0.0140412    | 0.0033667   | 0.0061354   | 0.0045211    | 0.0049654    | 0.5603100    |
| RelInt RSD  | 0.3427257    | 1.5569396    | 2.8342922   | 2.0177886   | 0.9252189    | 1.7975664    | 0.1246567    |
| RelInt SD   | 0.0001761    | 0.0002186    | 0.0000954   | 0.0001238   | 0.0000418    | 0.0000893    | 0.0006985    |
|             | 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    | 449969       | 13705.50000  | 28406.30000 | 1764390     | 32315800     | 26898700     | 181518       |
| Int RSD     | 0.2829862    | 0.2144606    | 0.6955253   | 0.6884589   | 0.9164124    | 0.6539461    | 0.2844318    |
| Int SD      | 1273.350000  | 29.3929000   | 197.5730000 | 12147.10000 | 296146       | 175903       | 516.2950000  |
| RelInt Mean | 0.0116891    | 0.0050201    | 0.0003724   | ---         | ---          | ---          | 0.0996456    |
| RelInt RSD  | 1.2808172    | 1.0087150    | 1.6136693   | ---         | ---          | ---          | 0.7725128    |
| RelInt SD   | 0.0001497    | 0.0000506    | 0.0000060   | ---         | ---          | ---          | 0.0007698    |
|             | Be_R 313.107 | Li_R 670.780 | Si 251.612  | P 177.495   | Cd 228.802   | S 182.034    |              |
| Int Mean    | 372563       | 1339210      | 13479.00000 | 4816.430000 | 38076.60000  | 4949.170000  |              |
| Int RSD     | 0.7082936    | 0.4423227    | 1.0043030   | 1.1448127   | 0.6106743    | 0.3265073    |              |
| Int SD      | 2638.840000  | 5923.630000  | 135.3700000 | 55.1391000  | 232.5240000  | 16.1594000   |              |
| RelInt Mean | 0.0118939    | 0.0482967    | 0.0008425   | 0.0002319   | 0.0155910    | -0.0001583   |              |
| RelInt RSD  | 0.4670344    | 0.2571273    | 3.6021745   | 14.4142722  | 0.3091745    | 8.2546371    |              |
| RelInt SD   | 0.0000555    | 0.0001242    | 0.0000303   | 0.0000334   | 0.0000482    | 0.0000131    |              |

Method Name: Met06\_Master011923

Method Autor:

Operator

Sample Name: ICAL,L4,S19985

Sample Type: Calibration Sample

Measure Date: 2024-04-15 09:56:54

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068   | Al_R 396.152 | As 189.042  | B 249.677   | Ba 230.424   | Ca_R 317.933 | Co 228.616   |
|-------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|
| Int Mean    | 68845.70000  | 782986       | 39215.20000 | 167131      | 671491       | 7314050      | 183277       |
| Int RSD     | 0.7489560    | 0.4648704    | 0.3098773   | 0.0983767   | 0.0964856    | 0.0746168    | 0.3441490    |
| Int SD      | 515.6240000  | 3639.870000  | 121.5190000 | 164.4180000 | 647.8920000  | 5457.510000  | 630.7460000  |
| RelInt Mean | 0.0000277    | 0.0264704    | 0.0199713   | 0.0910753   | 0.3867600    | 0.2761960    | 0.1008480    |
| RelInt RSD  | 20.8317242   | 0.6761326    | 0.8953799   | 0.5419581   | 0.5081885    | 1.1543542    | 0.7057393    |
| RelInt SD   | 0.0000058    | 0.0001790    | 0.0001788   | 0.0004936   | 0.0019655    | 0.0031883    | 0.0007117    |
|             | Cr 267.716   | Cu 324.754   | Fe 259.941  | K_R 769.896 | Mg_R 383.230 | Mn 257.611   | Mo 202.095   |
| Int Mean    | 299386       | 1045940      | 1101540     | 1799820     | 945373       | 2866170      | 224509       |
| Int RSD     | 0.0371089    | 0.3628526    | 0.9265211   | 0.1339084   | 0.4180255    | 1.1151921    | 0.2060581    |
| Int SD      | 111.0990000  | 3795.220000  | 10206.00000 | 2410.110000 | 3951.900000  | 31963.30000  | 462.6190000  |
| RelInt Mean | 0.1686490    | 0.0311687    | 0.6375470   | 0.0676962   | 0.0333548    | 1.6721400    | 0.1276920    |
| RelInt RSD  | 0.5653648    | 0.3112129    | 0.3742391   | 1.2318579   | 0.8001037    | 0.5524609    | 0.6053065    |
| RelInt SD   | 0.0009535    | 0.0000970    | 0.0023860   | 0.0008339   | 0.0002669    | 0.0092379    | 0.0007729    |
|             | Na_R 589.592 | Ni 231.604   | Pb 220.353  | Sb 206.833  | Se 196.090   | Sn 189.991   | Sr_R 407.771 |
| Int Mean    | 16700200     | 246172       | 66716.40000 | 111295      | 84110.00000  | 90972.00000  | 113597000    |
| Int RSD     | 0.8381696    | 0.1306599    | 0.3483341   | 0.3630091   | 0.3963512    | 0.1023781    | 0.7717554    |
| Int SD      | 139976       | 321.6480000  | 232.3960000 | 404.0110000 | 333.3710000  | 93.1354000   | 876691       |
| RelInt Mean | 0.6308640    | 0.1372600    | 0.0327719   | 0.0608625   | 0.0461102    | 0.0503562    | 4.3120100    |
| RelInt RSD  | 0.4368612    | 0.5173867    | 0.4025949   | 0.3104260   | 0.9962373    | 0.4654819    | 0.3247117    |
| RelInt SD   | 0.0027560    | 0.0007102    | 0.0001319   | 0.0001889   | 0.0004594    | 0.0002344    | 0.0140016    |
|             | 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    | 3778400      | 90169.90000  | 115972      | 1718930     | 31516700     | 26397600     | 1690820      |
| Int RSD     | 0.4353668    | 0.3803742    | 0.6385274   | 0.5654448   | 0.2542281    | 1.0853487    | 0.8648466    |
| Int SD      | 16449.90000  | 342.9830000  | 740.5130000 | 9719.600000 | 80124.30000  | 286506       | 14623.00000  |
| RelInt Mean | 0.1176940    | 0.0498703    | 0.0031496   | ---         | ---          | ---          | 0.9865660    |
| RelInt RSD  | 0.6383401    | 0.1662908    | 1.0773371   | ---         | ---          | ---          | 0.3060657    |
| RelInt SD   | 0.0007513    | 0.0000829    | 0.0000339   | ---         | ---          | ---          | 0.0030195    |
|             | Be_R 313.107 | Li_R 670.780 | Si 251.612  | P 177.495   | Cd 228.802   | S 182.034    |              |
| Int Mean    | 3358410      | 13121000     | 15876.80000 | 5739.060000 | 271520       | 5396.460000  |              |
| Int RSD     | 0.2958495    | 0.8698651    | 0.6982767   | 1.1571825   | 0.1925994    | 0.2938056    |              |
| Int SD      | 9935.840000  | 114135       | 110.8640000 | 66.4114000  | 522.9460000  | 15.8551000   |              |
| RelInt Mean | 0.1253290    | 0.4935340    | 0.0021476   | 0.0006388   | 0.1524430    | -0.0000275   |              |
| RelInt RSD  | 1.3681351    | 0.2454542    | 4.7411015   | 8.5969870   | 0.4784634    | 9.3913388    |              |
| RelInt SD   | 0.0017147    | 0.0012114    | 0.0001018   | 0.0000549   | 0.0007294    | 0.0000026    |              |



Sample Name: ICAL,L5,S19984

Sample Type: Calibration Sample

Measure Date: 2024-04-15 10:00:13

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068  | Al_R 396.152 | As 189.042  | B 249.677   | Ba 230.424  | Ca_R 317.933 | Co 228.616  |
|-------------|-------------|--------------|-------------|-------------|-------------|--------------|-------------|
| Int Mean    | 71225.00000 | 3433480      | 162924      | 767317      | 2983680     | 32416300     | 817730      |
| Int RSD     | 0.3635170   | 1.0166333    | 0.2333039   | 0.0667092   | 0.1861326   | 0.6371455    | 0.1093418   |
| Int SD      | 258.9150000 | 34905.90000  | 380.1080000 | 511.8710000 | 5553.600000 | 206539       | 894.1210000 |
| RelInt Mean | 0.0000156   | 0.1311270    | 0.0966765   | 0.4649800   | 1.8303900   | 1.2968900    | 0.4960870   |
| RelInt RSD  | 61.2637430  | 0.8106263    | 0.3833103   | 0.1461831   | 0.0547894   | 0.3552676    | 0.1473395   |
| RelInt SD   | 0.0000096   | 0.0010630    | 0.0003706   | 0.0006797   | 0.0010029   | 0.0046074    | 0.0007309   |

|             | Cr 267.716  | Cu 324.754  | Fe 259.941  | K_R 769.896 | Mg_R 383.230 | Mn 257.611  | Mo 202.095  |
|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| Int Mean    | 1300660     | 4733310     | 4918150     | 9976000     | 3888310      | 12858300    | 1057540     |
| Int RSD     | 0.1166877   | 0.5471119   | 0.1790714   | 0.5615347   | 0.8147781    | 0.0980744   | 0.2195160   |
| Int SD      | 1517.710000 | 25896.50000 | 8807.000000 | 56018.70000 | 31681.10000  | 12610.70000 | 2321.470000 |
| RelInt Mean | 0.7929390   | 0.1560210   | 3.0209500   | 0.3980120   | 0.1527750    | 7.9131200   | 0.6467630   |
| RelInt RSD  | 0.2680862   | 0.2743810   | 0.1634377   | 0.3981764   | 0.5865574    | 0.1791645   | 0.0312957   |
| RelInt SD   | 0.0021258   | 0.0004281   | 0.0049374   | 0.0015848   | 0.0008961    | 0.0141775   | 0.0002024   |

|             | Na_R 589.592 | Ni 231.604  | Pb 220.353  | Sb 206.833  | Se 196.090  | Sn 189.991  | Sr_R 407.771 |
|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Int Mean    | 74752000     | 1054500     | 258552      | 513199      | 363449      | 411971      | 139853000    |
| Int RSD     | 0.4354372    | 0.2379734   | 0.1719735   | 0.1518327   | 0.2760085   | 0.2913846   | 0.0029769    |
| Int SD      | 325498       | 2509.430000 | 444.6410000 | 779.2040000 | 1003.150000 | 1200.420000 | 4163.330000  |
| RelInt Mean | 2.9813600    | 0.6412560   | 0.1517840   | 0.3106820   | 0.2201710   | 0.2502420   | 5.5965500    |
| RelInt RSD  | 0.0502153    | 0.0324363   | 0.0879025   | 0.0665529   | 0.1757784   | 0.2179091   | 0.4867534    |
| RelInt SD   | 0.0014971    | 0.0002080   | 0.0001334   | 0.0002068   | 0.0003870   | 0.0005453   | 0.0272414    |

|             | 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    | 17238200   | 395180      | 483175      | 1636680     | 29898200  | 25023100    | 7810310     |
| Int RSD     | 0.6529394  | 0.0802976   | 0.6641838   | 0.1975994   | 0.4298587 | 0.4819667   | 0.1368396   |
| Int SD      | 112555     | 317.3200000 | 3209.170000 | 3234.070000 | 128520    | 120603      | 10687.60000 |
| RelInt Mean | 0.5748500  | 0.2395820   | 0.0155771   | ---         | ---       | ---         | 4.8059500   |
| RelInt RSD  | 0.2266730  | 0.1921684   | 0.2541693   | ---         | ---       | ---         | 0.1634736   |
| RelInt SD   | 0.0013030  | 0.0004604   | 0.0000396   | ---         | ---       | ---         | 0.0078565   |

|             | Be_R 313.107 | Li_R 670.780 | Si 251.612  | P 177.495   | Cd 228.802  | S 182.034   |  |
|-------------|--------------|--------------|-------------|-------------|-------------|-------------|--|
| Int Mean    | 15251700     | 57752100     | 27004.60000 | 9259.870000 | 1198660     | 6941.640000 |  |
| Int RSD     | 0.7270599    | 0.3458073    | 0.8564356   | 1.2872319   | 0.2066040   | 0.5781501   |  |
| Int SD      | 110889       | 199711       | 231.2770000 | 119.1960000 | 2476.480000 | 40.1331000  |  |
| RelInt Mean | 0.6080280    | 2.2953700    | 0.0085313   | 0.0023458   | 0.7301040   | 0.0004421   |  |
| RelInt RSD  | 0.2854490    | 0.2029560    | 1.7236921   | 2.2111725   | 0.0184027   | 2.0646363   |  |
| RelInt SD   | 0.0017356    | 0.0046586    | 0.0001471   | 0.0000519   | 0.0001344   | 0.0000091   |  |

| Sample Name: ICAL,L6,S19983       |              |              |                     |             | Sample Type: Calibration Sample |              |              |
|-----------------------------------|--------------|--------------|---------------------|-------------|---------------------------------|--------------|--------------|
| Measure Date: 2024-04-15 10:03:31 |              |              | Recalculation Date: |             | State: Measured                 |              | Quality:     |
|                                   | Ag 328.068   | Al_R 396.152 | As 189.042          | B 249.677   | Ba 230.424                      | Ca_R 317.933 | Co 228.616   |
| Int Mean                          | 75343.40000  | 6879910      | 322121              | 1479380     | 5911600                         | 63075000     | 1543470      |
| Int RSD                           | 0.2787756    | 0.2566661    | 0.2450601           | 0.4090288   | 0.3538534                       | 0.0854391    | 0.3359683    |
| Int SD                            | 210.0390000  | 17658.40000  | 789.3900000         | 6051.090000 | 20918.40000                     | 53890.70000  | 5185.570000  |
| RelInt Mean                       | -0.0000067   | 0.2759350    | 0.1979190           | 0.9198200   | 3.7001600                       | 2.6082700    | 0.9594650    |
| RelInt RSD                        | 203.8812394  | 0.2489209    | 0.0871074           | 0.2919223   | 0.3039193                       | 0.4465450    | 0.2060971    |
| RelInt SD                         | 0.0000137    | 0.0006869    | 0.0001724           | 0.0026852   | 0.0112455                       | 0.0116471    | 0.0019774    |
|                                   | Cr 267.716   | Cu 324.754   | Fe 259.941          | K_R 769.896 | Mg_R 383.230                    | Mn 257.611   | Mo 202.095   |
| Int Mean                          | 2587410      | 9273860      | 9575420             | 19513300    | 7781070                         | 24867200     | 2004130      |
| Int RSD                           | 0.4319145    | 1.6733377    | 0.4326077           | 0.4060584   | 0.2807018                       | 0.5384080    | 0.4000644    |
| Int SD                            | 11175.40000  | 155183       | 41424.00000         | 79235.40000 | 21841.60000                     | 133887       | 8017.810000  |
| RelInt Mean                       | 1.6133100    | 0.3151330    | 5.9976000           | 0.8038630   | 0.3184280                       | 15.5912000   | 1.2518600    |
| RelInt RSD                        | 0.3337387    | 2.7224473    | 0.3992547           | 0.5439770   | 0.4620071                       | 0.2264765    | 0.4422332    |
| RelInt SD                         | 0.0053842    | 0.0085793    | 0.0239457           | 0.0043728   | 0.0014712                       | 0.0353104    | 0.0055361    |
|                                   | Na_R 589.592 | Ni 231.604   | Pb 220.353          | Sb 206.833  | Se 196.090                      | Sn 189.991   | Sr_R 407.771 |
| Int Mean                          | 135679000    | 2076790      | 497509              | 1031520     | 714310                          | 807860       | 139889000    |
| Int RSD                           | 0.0341695    | 0.3006303    | 0.1921491           | 0.2798666   | 0.2065448                       | 0.1760020    | 0.0086965    |
| Int SD                            | 46360.90000  | 6243.460000  | 955.9590000         | 2886.880000 | 1475.370000                     | 1421.850000  | 12165.50000  |
| RelInt Mean                       | 5.5907800    | 1.2935500    | 0.3037400           | 0.6405560   | 0.4439070                       | 0.5028330    | 5.7759500    |
| RelInt RSD                        | 0.4898672    | 0.3595903    | 0.1955370           | 0.0379975   | 0.1550931                       | 0.1396159    | 0.5135103    |
| RelInt SD                         | 0.0273874    | 0.0046515    | 0.0005939           | 0.0002434   | 0.0006885                       | 0.0007020    | 0.0296601    |
|                                   | Ti 334.941   | Tl 190.864   | V 292.464           | Y 224.3_A   | Y 371.0_A                       | Y_R 371.030  | Zn 206.200   |
| Int Mean                          | 33688900     | 746225       | 937667              | 1608120     | 29204700                        | 24229100     | 14396600     |
| Int RSD                           | 0.4392693    | 0.3848839    | 1.4255381           | 0.3049598   | 1.0550973                       | 0.5157146    | 0.7947988    |
| Int SD                            | 147985       | 2872.100000  | 13366.80000         | 4904.120000 | 308138                          | 124953       | 114424       |
| RelInt Mean                       | 1.1528600    | 0.4636580    | 0.0314869           | ---         | ---                             | ---          | 9.0248700    |
| RelInt RSD                        | 1.4413979    | 0.1886863    | 2.4975847           | ---         | ---                             | ---          | 0.5048871    |
| RelInt SD                         | 0.0166173    | 0.0008749    | 0.0007864           | ---         | ---                             | ---          | 0.0455654    |
|                                   | Be_R 313.107 | Li_R 670.780 | Si 251.612          | P 177.495   | Cd 228.802                      | S 182.034    |              |
| Int Mean                          | 29617500     | 102372000    | 39297.80000         | 13134.50000 | 2429160                         | 8589.020000  |              |
| Int RSD                           | 0.1365699    | 0.3408842    | 0.4200108           | 0.9048993   | 0.4265837                       | 0.3815604    |              |
| Int SD                            | 40448.60000  | 348970       | 165.0550000         | 118.8540000 | 10362.40000                     | 32.7723000   |              |
| RelInt Mean                       | 1.2218200    | 4.2021400    | 0.0159678           | 0.0043188   | 1.5136600                       | 0.0010966    |              |
| RelInt RSD                        | 0.4714917    | 0.3268073    | 0.8947319           | 1.5527687   | 0.3042295                       | 2.6605353    |              |
| RelInt SD                         | 0.0057608    | 0.0137329    | 0.0001429           | 0.0000671   | 0.0046050                       | 0.0000292    |              |

Sample Name: ICAL,L7,S20458

Sample Type: Calibration Sample

Measure Date: 2024-04-15 10:06:50

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068   | Al_R 396.152 | As 189.042  | B 249.677   | Ba 230.424   | Ca_R 317.933 | Co 228.616   |
|-------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|
| Int Mean    | 1837620      | 61283.70000  | 4906.980000 | 13313.30000 | 11799.90000  | 129874       | 11031.20000  |
| Int RSD     | 1.2487348    | 0.7116607    | 0.4312999   | 2.2263526   | 1.2448919    | 0.2066295    | 1.9007542    |
| Int SD      | 22947.00000  | 436.1320000  | 21.1638000  | 296.4010000 | 146.8960000  | 268.3580000  | 209.6760000  |
| RelInt Mean | 0.0546261    | 0.0000278    | -0.0000277  | 0.0009453   | 0.0002438    | 0.0033367    | 0.0000767    |
| RelInt RSD  | 1.1614979    | 27.2203450   | 90.3398727  | 18.6632323  | 43.3978436   | 0.4212823    | 156.5854072  |
| RelInt SD   | 0.0006345    | 0.0000076    | 0.0000251   | 0.0001764   | 0.0001058    | 0.0000141    | 0.0001201    |
|             | Cr 267.716   | Cu 324.754   | Fe 259.941  | K_R 769.896 | Mg_R 383.230 | Mn 257.611   | Mo 202.095   |
| Int Mean    | 11323.80000  | 68257.20000  | 16984.20000 | 13302.60000 | 79472.60000  | 14777.20000  | 8465.290000  |
| Int RSD     | 0.3875395    | 0.6666916    | 1.4353046   | 0.9835521   | 0.7820356    | 0.9879747    | 6.4066913    |
| Int SD      | 43.8842000   | 455.0650000  | 243.7750000 | 130.8380000 | 621.5040000  | 145.9950000  | 542.3450000  |
| RelInt Mean | 0.0000559    | 0.0001533    | 0.0020500   | 0.0000608   | 0.0005570    | 0.0010865    | 0.0011888    |
| RelInt RSD  | 90.5462801   | 3.5258928    | 7.2489841   | 5.4747664   | 1.6510457    | 7.5267183    | 28.0930831   |
| RelInt SD   | 0.0000506    | 0.0000054    | 0.0001486   | 0.0000033   | 0.0000092    | 0.0000818    | 0.0003340    |
|             | Na_R 589.592 | Ni 231.604   | Pb 220.353  | Sb 206.833  | Se 196.090   | Sn 189.991   | Sr_R 407.771 |
| Int Mean    | 49620.90000  | 11708.00000  | 10356.40000 | 7457.970000 | 5370.410000  | 5084.820000  | 124132       |
| Int RSD     | 1.4710435    | 1.1401093    | 0.1937459   | 0.4249146   | 0.9433023    | 0.6682478    | 1.3914140    |
| Int SD      | 729.9450000  | 133.4840000  | 20.0651000  | 31.6900000  | 50.6592000   | 33.9792000   | 1727.190000  |
| RelInt Mean | 0.0004137    | 0.0000629    | -0.0000840  | 0.0001252   | 0.0000511    | 0.0001169    | 0.0024870    |
| RelInt RSD  | 6.9559616    | 93.6336189   | 8.7179618   | 16.9087816  | 59.0123288   | 27.2205358   | 2.9852232    |
| RelInt SD   | 0.0000288    | 0.0000589    | 0.0000073   | 0.0000212   | 0.0000302    | 0.0000318    | 0.0000742    |
|             | 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    | 91637.50000  | 5021.410000  | 18652.60000 | 1764900     | 32430800     | 27277700     | 9256.660000  |
| Int RSD     | 3.6751330    | 0.6466411    | 1.1318583   | 0.5176894   | 0.3140163    | 0.1604252    | 1.3063027    |
| Int SD      | 3367.800000  | 32.4705000   | 211.1210000 | 9136.700000 | 101838       | 43760.30000  | 120.9200000  |
| RelInt Mean | 0.0005519    | 0.0000550    | 0.0000552   | ---         | ---          | ---          | 0.0013265    |
| RelInt RSD  | 19.1045339   | 53.6553712   | 8.9857703   | ---         | ---          | ---          | 5.8135313    |
| RelInt SD   | 0.0001054    | 0.0000295    | 0.0000050   | ---         | ---          | ---          | 0.0000771    |
|             | Be_R 313.107 | Li_R 670.780 | Si 251.612  | P 177.495   | Cd 228.802   | S 182.034    |              |
| Int Mean    | 39632.90000  | 40313.70000  | 13227.40000 | 4850.560000 | 11189.40000  | 4976.370000  |              |
| Int RSD     | 1.2563502    | 0.9339108    | 0.7966947   | 1.9449734   | 0.4715686    | 0.2741476    |              |
| Int SD      | 497.9280000  | 376.4940000  | 105.3820000 | 94.3421000  | 52.7657000   | 13.6426000   |              |
| RelInt Mean | -0.0004894   | 0.0002128    | 0.0006801   | 0.0002271   | 0.0001840    | -0.0001560   |              |
| RelInt RSD  | 2.1620048    | 1.1820591    | 8.5119166   | 27.0431118  | 13.9892374   | 6.3206696    |              |
| RelInt SD   | 0.0000106    | 0.0000025    | 0.0000579   | 0.0000614   | 0.0000257    | 0.0000099    |              |

Sample Name: ICAL,L8,S20135

Sample Type: Calibration Sample

Measure Date: 2024-04-15 10:10:09

Recalculation Date:

State: Measured

Quality:

|             | Ag 328.068  | Al_R 396.152 | As 189.042  | B 249.677   | Ba 230.424  | Ca_R 317.933 | Co 228.616  |
|-------------|-------------|--------------|-------------|-------------|-------------|--------------|-------------|
| Int Mean    | 68663.60000 | 62198.90000  | 4912.230000 | 12880.30000 | 11468.30000 | 127562       | 10824.50000 |
| Int RSD     | 0.4239597   | 1.5624392    | 0.3109077   | 0.0684991   | 0.4258391   | 0.2822094    | 0.9645249   |
| Int SD      | 291.1060000 | 971.8200000  | 15.2725000  | 8.8228900   | 48.8365000  | 359.9920000  | 104.4050000 |
| RelInt Mean | 0.0000481   | 0.0000615    | -0.0000325  | 0.0007693   | 0.0000642   | 0.0031938    | -0.0000111  |
| RelInt RSD  | 10.7811890  | 18.6132657   | 79.3072816  | 18.7045862  | 70.1138858  | 1.5866872    | 354.5256506 |
| RelInt SD   | 0.0000052   | 0.0000114    | 0.0000258   | 0.0001439   | 0.0000450   | 0.0000507    | 0.0000394   |

|             | Cr 267.716  | Cu 324.754  | Fe 259.941  | K_R 769.896 | Mg_R 383.230 | Mn 257.611  | Mo 202.095  |
|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| Int Mean    | 11303.40000 | 70206.70000 | 18027.10000 | 13104.50000 | 79064.50000  | 13454.80000 | 6772.120000 |
| Int RSD     | 0.4665853   | 0.3845402   | 0.7783282   | 0.9580984   | 0.7059818    | 0.9162381   | 1.0095362   |
| Int SD      | 52.7400000  | 269.9730000 | 140.3100000 | 125.5540000 | 558.1810000  | 123.2780000 | 68.3670000  |
| RelInt Mean | 0.0000903   | 0.0002270   | 0.0028600   | 0.0000510   | 0.0005303    | 0.0003658   | 0.0002649   |
| RelInt RSD  | 32.5626085  | 3.4856462   | 14.8770638  | 7.4774966   | 3.0785290    | 36.4127627  | 25.6184793  |
| RelInt SD   | 0.0000294   | 0.0000079   | 0.0004255   | 0.0000038   | 0.0000163    | 0.0001332   | 0.0000679   |

|             | Na_R 589.592 | Ni 231.604  | Pb 220.353  | Sb 206.833  | Se 196.090  | Sn 189.991  | Sr_R 407.771 |
|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Int Mean    | 47220.50000  | 11428.10000 | 10308.20000 | 7263.000000 | 5262.540000 | 5053.790000 | 75647.10000  |
| Int RSD     | 1.3630775    | 0.6592268   | 0.7894598   | 0.9633485   | 0.7110426   | 0.5908615   | 0.5558812    |
| Int SD      | 643.6520000  | 75.3371000  | 81.3791000  | 69.9680000  | 37.4189000  | 29.8609000  | 420.5080000  |
| RelInt Mean | 0.0003172    | -0.0000687  | -0.0001063  | 0.0000088   | 0.0000184   | 0.0001166   | 0.0006923    |
| RelInt RSD  | 7.7079465    | 79.9498951  | 56.4953438  | 376.7153562 | 145.1868074 | 21.2499357  | 2.8456527    |
| RelInt SD   | 0.0000245    | 0.0000549   | 0.0000601   | 0.0000330   | 0.0000267   | 0.0000248   | 0.0000197    |

|             | 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    | 86826.40000 | 4913.770000 | 18181.10000 | 1694460    | 33127100    | 27723300    | 8209.940000 |
| Int RSD     | 1.6519860   | 0.6848693   | 0.7990606   | 12.3078149 | 0.1563741   | 0.6466510   | 0.6514725   |
| Int SD      | 1434.360000 | 33.6529000  | 145.2780000 | 208551     | 51802.20000 | 179273      | 53.4855000  |
| RelInt Mean | 0.0004151   | -0.0000115  | 0.0000518   | ---        | ---         | ---         | 0.0007824   |
| RelInt RSD  | 11.7855414  | 116.6446545 | 11.6888513  | ---        | ---         | ---         | 16.9138605  |
| RelInt SD   | 0.0000489   | 0.0000134   | 0.0000061   | ---        | ---         | ---         | 0.0001323   |

|             | Be_R 313.107 | Li_R 670.780 | Si 251.612  | P 177.495   | Cd 228.802  | S 182.034   |  |
|-------------|--------------|--------------|-------------|-------------|-------------|-------------|--|
| Int Mean    | 38779.90000  | 36222.40000  | 1162930     | 616721      | 11015.50000 | 198414      |  |
| Int RSD     | 1.7866498    | 1.4806943    | 2.4347209   | 2.4624911   | 0.2162616   | 2.1481952   |  |
| Int SD      | 692.8610000  | 536.3430000  | 28314.10000 | 15186.70000 | 23.8223000  | 4262.320000 |  |
| RelInt Mean | -0.0005128   | 0.0000564    | 0.6927320   | 0.3685970   | 0.0001308   | 0.1162790   |  |
| RelInt RSD  | 3.5051476    | 3.7180586    | 15.9252063  | 15.9946771  | 23.5073297  | 15.6760034  |  |
| RelInt SD   | 0.0000180    | 0.0000021    | 0.1103190   | 0.0589559   | 0.0000307   | 0.0182279   |  |

| Sample Name: ICV,S20478           |                  |                 |                     | Sample Type: Control Sample |                     |                  |                 |
|-----------------------------------|------------------|-----------------|---------------------|-----------------------------|---------------------|------------------|-----------------|
| Measure Date: 2024-04-15 10:17:31 |                  |                 | Recalculation Date: |                             | State: Check failed |                  | Quality: Failed |
|                                   | Ag 328.068       | Al_R 396.152    | As 189.042          | B 249.677                   | Ba 230.424          | Ca_R 317.933     | Co 228.616      |
| Int Mean                          | 474081           | 505708          | 39684.10000         | 170426                      | 660794              | 34925400         | 358013          |
| Int RSD                           | 0.9388417        | 0.5178008       | 0.6661383           | 0.5582969                   | 0.3609052           | 0.4597485        | 0.3140612       |
| Int SD                            | 4450.870000      | 2618.560000     | 264.3510000         | 951.4830000                 | 2384.840000         | 160569           | 1124.380000     |
| RelInt Mean                       | 0.0132688        | 0.0136248       | 0.0208041           | 0.0959155                   | 0.3932410           | 1.3696400        | 0.2099090       |
| RelInt RSD                        | 1.6186166        | 0.9185162       | 1.2761475           | 0.8819013                   | 0.7013714           | 0.5352728        | 0.5556979       |
| RelInt SD                         | 0.0002148        | 0.0001251       | 0.0002655           | 0.0008459                   | 0.0027581           | 0.0073313        | 0.0011665       |
| Conc Mean                         | 0.4847980[mg/l]  | 0.9962420[mg/l] | 1.0567300[mg/l]     | 1.0379500[mg/l]             | 1.0607200[mg/l]     | 52.5011000[mg/l] | 1.0840100[mg/l] |
| Conc RSD                          | 1.6233400        | 0.9196731       | 1.2735893           | 0.8841197                   | 0.7006976           | 0.5362497        | 0.5548980       |
| Conc SD                           | 0.0078699[mg/l]  | 0.0091622[mg/l] | 0.0134584[mg/l]     | 0.0091767[mg/l]             | 0.0074324[mg/l]     | 0.2815370[mg/l]  | 0.0060152[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                          | 286318           | 1032680         | 542707              | 6060800                     | 4222510             | 2784630          | 219946          |
| Int RSD                           | 0.4184473        | 1.3035403       | 0.6078197           | 0.1621118                   | 0.4984784           | 0.5703307        | 0.6982941       |
| Int SD                            | 1198.090000      | 13461.40000     | 3298.680000         | 9825.270000                 | 21048.30000         | 15881.60000      | 1535.870000     |
| RelInt Mean                       | 0.1662380        | 0.0316357       | 0.3203980           | 0.2367100                   | 0.1628280           | 1.6792800        | 0.1291860       |
| RelInt RSD                        | 0.8800756        | 1.5397605       | 0.8902865           | 0.5932533                   | 0.9295944           | 0.2391602        | 0.9377409       |
| RelInt SD                         | 0.0014630        | 0.0004871       | 0.0028525           | 0.0014043                   | 0.0015136           | 0.0040162        | 0.0012114       |
| Conc Mean                         | 1.0336300[mg/l]  | 1.0028000[mg/l] | 1.0653000[mg/l]     | 59.0659000[mg/l]            | 51.4560000[mg/l]    | 1.0730100[mg/l]  | 1.0245800[mg/l] |
| Conc RSD                          | 0.8799919        | 1.5452333       | 0.8911724           | 0.5931460                   | 0.9328553           | 0.2394852        | 0.9381395       |
| Conc SD                           | 0.0090959[mg/l]  | 0.0154956[mg/l] | 0.0094937[mg/l]     | 0.3503470[mg/l]             | 0.4800100[mg/l]     | 0.0025697[mg/l]  | 0.0096120[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                          | 43131700         | 239620          | 65534.50000         | 44182.90000                 | 31360.70000         | 437917           | 28593300        |
| Int RSD                           | 0.6416047        | 0.3954954       | 0.4649704           | 0.5953412                   | 0.3286598           | 0.3975753        | 0.4727506       |
| Int SD                            | 276735           | 947.6860000     | 304.7160000         | 263.0390000                 | 103.0700000         | 1741.050000      | 135175          |
| RelInt Mean                       | 1.6865700        | 0.1377460       | 0.0329680           | 0.0221564                   | 0.0156359           | 0.2622400        | 1.1207500       |
| RelInt RSD                        | 0.5994593        | 0.5500849       | 1.3265530           | 1.0817461                   | 0.8365364           | 0.7337363        | 0.2601303       |
| RelInt SD                         | 0.0101103        | 0.0007577       | 0.0004373           | 0.0002397                   | 0.0001308           | 0.0019242        | 0.0029154       |
| Conc Mean                         | 59.4347000[mg/l] | 1.0664500[mg/l] | 1.0876800[mg/l]     | 1.0399100[mg/l]             | 1.0584200[mg/l]     | 5.2196900[mg/l]  | 6.0340800[mg/l] |
| Conc RSD                          | 0.5994377        | 0.5494744       | 1.3221720           | 1.0810166                   | 0.8358827           | 0.7338788        | 0.2605683       |
| Conc SD                           | 0.3562740[mg/l]  | 0.0058599[mg/l] | 0.0143810[mg/l]     | 0.0112416[mg/l]             | 0.0088471[mg/l]     | 0.0383062[mg/l]  | 0.0157229[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                          | 3742540          | 33660.50000     | 211951              | 1663100                     | 30622800            | 25529800         | 568291          |
| Int RSD                           | 1.4313167        | 0.3990077       | 0.9041901           | 0.5469160                   | 0.6625651           | 0.4280645        | 0.2623990       |
| Int SD                            | 53567.60000      | 134.3080000     | 1916.440000         | 9095.760000                 | 202896              | 109284           | 1491.190000     |
| RelInt Mean                       | 0.1199650        | 0.0171411       | 0.0063652           | ---                         | ---                 | ---              | 0.3398910       |
| RelInt RSD                        | 1.6655024        | 0.8041491       | 1.3648471           | ---                         | ---                 | ---              | 0.7301988       |
| RelInt SD                         | 0.0019980        | 0.0001378       | 0.0000869           | ---                         | ---                 | ---              | 0.0024819       |
| Conc Mean                         | 1.0408500[mg/l]  | 1.0969600[mg/l] | 1.0058600[mg/l]     | 1650020                     | 30522400            | 25451800         | 1.1101500[mg/l] |
| Conc RSD                          | 1.6655810        | 0.8020128       | 1.3775476           | ---                         | ---                 | ---              | 0.7321569       |
| Conc SD                           | 0.0173362[mg/l]  | 0.0087978[mg/l] | 0.0138562[mg/l]     | 9101.690000                 | 203343              | 109293           | 0.0081280[mg/l] |
|                                   | Be_R 313.107     | Li_R 670.780    | Si 251.612          | P 177.495                   | Cd 228.802          | S 182.034        |                 |
| Int Mean                          | 10604800         | 13279400        | 619732              | 317963                      | 534121              | 105661           |                 |
| Int RSD                           | 0.3066989        | 1.0885130       | 0.3007074           | 0.2726868                   | 0.3722303           | 0.6018796        |                 |
| Int SD                            | 32524.80000      | 144548          | 1863.580000         | 867.0430000                 | 1988.160000         | 635.9520000      |                 |
| RelInt Mean                       | 0.4138380        | 0.5165410       | 0.3674010           | 0.1896000                   | 0.3163770           | 0.0605748        |                 |
| RelInt RSD                        | 0.4691304        | 1.1012020       | 0.7422380           | 0.7013449                   | 0.6794015           | 0.9289688        |                 |
| RelInt SD                         | 0.0019414        | 0.0056882       | 0.0027270           | 0.0013298                   | 0.0021495           | 0.0005627        |                 |
| Conc Mean                         | 1.0175700[mg/l]  | 1.2033500[mg/l] | 5.2760400[mg/l]     | 5.1409900[mg/l]             | 1.0481600[mg/l]     | 5.2173400[mg/l]  |                 |
| Conc RSD                          | 0.4683599        | 1.1015415       | 0.7431350           | 0.7021527                   | 0.6779175           | 0.9260524        |                 |
| Conc SD                           | 0.0047659[mg/l]  | 0.0132554[mg/l] | 0.0392081[mg/l]     | 0.0360976[mg/l]             | 0.0071057[mg/l]     | 0.0483153[mg/l]  |                 |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223012 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 10:24 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 32473300 | -1.67  |
| Yttrium             | A  | 1760010       | 1767810  | 0.44   |
| Yttrium             | R  | 27459700      | 27101500 | -1.30  |

Sample Name: ICB,1 Sample Type: Control Sample

Measure Date: 2024-04-15 10:24:08 Recalculation Date: State: Checked Quality:

|             | Ag 328.068       | Al_R 396.152     | As 189.042        | B 249.677        | Ba 230.424       | Ca_R 317.933      | Co 228.616        |
|-------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-------------------|
| Int Mean    | 69061.20000      | 61141.60000      | 4874.980000       | 12113.00000      | 11364.60000      | 125688            | 10855.60000       |
| Int RSD     | 0.1575921        | 0.2785076        | 0.7837119         | 0.6802336        | 0.3013551        | 0.8654287         | 0.4531007         |
| Int SD      | 108.8350000      | 170.2840000      | 38.2058000        | 82.3967000       | 34.2478000       | 1087.740000       | 49.1868000        |
| RelInt Mean | 0.0000383        | 0.0000109        | -0.0000487        | 0.0003175        | 0.0000528        | 0.0031905         | -0.0000046        |
| RelInt RSD  | 25.6762774       | 36.4968904       | 63.4267062        | 12.9557916       | 15.2152243       | 1.3286485         | 699.2336872       |
| RelInt SD   | 0.0000098        | 0.0000040        | 0.0000309         | 0.0000411        | 0.0000080        | 0.0000424         | 0.0000320         |
| Conc Mean   | <0.0000735[mg/l] | <0.0003031[mg/l] | <-0.0003500[mg/l] | <0.0004451[mg/l] | <0.0000074[mg/l] | <-0.0033434[mg/l] | <-0.0001391[mg/l] |
| Conc RSD    | 490.0159353      | 95.6629034       | 447.3984211       | 100.3120928      | 301.9983281      | 48.7165759        | 119.0512481       |
| Conc SD     | 0.0003604[mg/l]  | 0.0002900[mg/l]  | 0.0015659[mg/l]   | 0.0004464[mg/l]  | 0.0000223[mg/l]  | 0.0016288[mg/l]   | 0.0001656[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    | 11161.90000       | 67135.90000      | 13960.80000      | 12833.50000      | 79299.90000      | 12911.40000       | 6434.140000       |
| Int RSD     | 0.8471524         | 0.2406611        | 0.8495072        | 1.0916274        | 0.6848243        | 0.9497189         | 0.2187394         |
| Int SD      | 94.5583000        | 161.5700000      | 118.5980000      | 140.0940000      | 543.0650000      | 122.6220000       | 14.0740000        |
| RelInt Mean | -0.0000468        | 0.0001157        | 0.0003438        | 0.0000416        | 0.0005471        | 0.0000413         | 0.0000288         |
| RelInt RSD  | 128.5717035       | 5.9053652        | 16.9117630       | 5.7318489        | 2.0270890        | 46.5859510        | 63.1920149        |
| RelInt SD   | 0.0000601         | 0.0000068        | 0.0000581        | 0.0000024        | 0.0000111        | 0.0000193         | 0.0000182         |
| Conc Mean   | <-0.0000900[mg/l] | <0.0001160[mg/l] | <0.0000961[mg/l] | <0.0036378[mg/l] | <0.0070227[mg/l] | <-0.0001403[mg/l] | <-0.0000644[mg/l] |
| Conc RSD    | 415.3596376       | 187.3868515      | 201.3961664      | 16.3629266       | 50.0630102       | 8.7760587         | 224.0932160       |
| Conc SD     | 0.0003738[mg/l]   | 0.0002174[mg/l]  | 0.0001935[mg/l]  | 0.0005952[mg/l]  | 0.0035158[mg/l]  | 0.0000123[mg/l]   | 0.0001443[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    | 44039.30000       | 11492.50000       | 10315.80000      | 7204.820000      | 5262.560000      | 4973.300000      | 62539.60000       |
| Int RSD     | 1.1566033         | 0.2930320         | 0.0840912        | 0.8293448        | 1.2626896        | 0.2047353        | 0.8058110         |
| Int SD      | 509.3600000       | 33.6767000        | 8.6746800        | 59.7528000       | 66.4498000       | 10.1821000       | 503.9510000       |
| RelInt Mean | 0.0002033         | -0.0000548        | -0.0000972       | -0.0000102       | -0.0000018       | 0.0000579        | 0.0002138         |
| RelInt RSD  | 12.1726745        | 69.4931025        | 12.9260496       | 235.6324316      | 2481.681564      | 25.0348210       | 6.9606536         |
| RelInt SD   | 0.0000247         | 0.0000381         | 0.0000126        | 0.0000241        | 0.0000444        | 0.0000145        | 0.0000149         |
| Conc Mean   | <-0.0047189[mg/l] | <-0.0000134[mg/l] | <0.0005523[mg/l] | <0.0014437[mg/l] | <0.0002800[mg/l] | <0.0001687[mg/l] | <-0.0072893[mg/l] |
| Conc RSD    | 18.4808048        | 2201.348697       | 74.8441987       | 78.4897453       | 1073.532931      | 171.0026859      | 1.1007593         |
| Conc SD     | 0.0008721[mg/l]   | 0.0002948[mg/l]   | 0.0004134[mg/l]  | 0.0011332[mg/l]  | 0.0030059[mg/l]  | 0.0002884[mg/l]  | 0.0000802[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    | 74865.50000      | 4904.910000      | 18687.30000      | 1767810     | 32473300  | 27101500    | 7434.460000       |
| Int RSD     | 0.3021859        | 0.5858028        | 0.6589609        | 0.7479820   | 0.6436673 | 0.9725107   | 0.5233736         |
| Int SD      | 226.2330000      | 28.7331000       | 123.1420000      | 13222.90000 | 209020    | 263565      | 38.9100000        |
| RelInt Mean | 0.0000290        | -0.0000051       | 0.0000590        | ---         | ---       | ---         | 0.0002860         |
| RelInt RSD  | 27.7919865       | 328.0019565      | 6.1325477        | ---         | ---       | ---         | 5.7436742         |
| RelInt SD   | 0.0000081        | 0.0000168        | 0.0000036        | ---         | ---       | ---         | 0.0000164         |
| Conc Mean   | <0.0001057[mg/l] | <0.0011930[mg/l] | <0.0005180[mg/l] | 1755070     | 32373000  | 27024400    | <-0.0023980[mg/l] |
| Conc RSD    | 66.1285685       | 90.2634469       | 111.3214868      | ---         | ---       | ---         | 2.2388252         |
| Conc SD     | 0.0000699[mg/l]  | 0.0010769[mg/l]  | 0.0005767[mg/l]  | 13213.20000 | 208899    | 263689      | 0.0000537[mg/l]   |

|             | Be_R 313.107      | Li_R 670.780      | Si 251.612       | P 177.495         | Cd 228.802        | S 182.034        |  |
|-------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|--|
| Int Mean    | 38552.30000       | 35089.00000       | 13360.50000      | 4779.760000       | 10978.00000       | 4922.250000      |  |
| Int RSD     | 0.6136780         | 0.6959047         | 0.2316538        | 0.5187311         | 0.5062042         | 0.5856346        |  |
| Int SD      | 236.5870000       | 244.1860000       | 30.9501000       | 24.7941000        | 55.5711000        | 28.8264000       |  |
| RelInt Mean | -0.0005384        | 0.0000162         | 0.0007388        | 0.0001920         | 0.0000686         | -0.0001800       |  |
| RelInt RSD  | 3.3134519         | 21.7438689        | 5.7369265        | 7.9793377         | 59.9522983        | 9.2490378        |  |
| RelInt SD   | 0.0000178         | 0.0000035         | 0.0000424        | 0.0000153         | 0.0000411         | 0.0000167        |  |
| Conc Mean   | <-0.0000674[mg/l] | <-0.0002998[mg/l] | <0.0009784[mg/l] | <-0.0006382[mg/l] | <-0.0000038[mg/l] | <0.0010186[mg/l] |  |
| Conc RSD    | 64.9933015        | 2.7390102         | 62.3777445       | 65.1776817        | 3676.615958       | 140.3600915      |  |
| Conc SD     | 0.0000438[mg/l]   | 0.0000082[mg/l]   | 0.0006103[mg/l]  | 0.0004160[mg/l]   | 0.0001395[mg/l]   | 0.0014298[mg/l]  |  |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 506093 METALS Wipe  
EPA 6010B

|                      |                       |                         |
|----------------------|-----------------------|-------------------------|
| Inst: MET06          | File: met06_master011 | IDF: 1.0                |
| Seqnum: 484153223013 | Caldate: 15-APR-2024  | Time: 15-APR-2024 10:27 |
| Cal: 484153223001    |                       |                         |

Standards: S20136, S16862 (100X)

| Analyte | Ch | Quant       | IQL      | Units | Flags |
|---------|----|-------------|----------|-------|-------|
| Lead    | A  | [0.0004429] | 0.003333 | mg/l  |       |

| Interferent | Ch | Spiked | Quant | Units | %Rec | Flags |
|-------------|----|--------|-------|-------|------|-------|
| Iron        | A  | 160.0  | 140.3 | mg/l  | 88   |       |
| Aluminum    | R  | 400.0  | 361.9 | mg/l  | 90   |       |
| Calcium     | R  | 400.0  | 220.7 | mg/l  | 55   |       |
| Magnesium   | R  | 400.0  | 379.9 | mg/l  | 95   |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 28258400 | -14.43 |
| Yttrium             | A  | 1760010       | 1533700  | -12.86 |
| Yttrium             | R  | 27459700      | 23654600 | -13.86 |



| Sample Name: ICSA,S20136          |                   |                    |                     |                   | Sample Type: Control Sample |                    |                   |
|-----------------------------------|-------------------|--------------------|---------------------|-------------------|-----------------------------|--------------------|-------------------|
| Measure Date: 2024-04-15 10:27:26 |                   |                    | Recalculation Date: |                   | State: Check failed         |                    | Quality: Failed   |
|                                   | Ag 328.068        | Al_R 396.152       | As 189.042          | B 249.677         | Ba 230.424                  | Ca_R 317.933       | Co 228.616        |
| Int Mean                          | 67979.40000       | 117200000          | 13319.00000         | 16405.70000       | 15709.00000                 | 135631000          | 13163.20000       |
| Int RSD                           | 0.7123805         | 0.0416461          | 0.4290930           | 0.1509926         | 1.4029537                   | 0.0593984          | 0.2862207         |
| Int SD                            | 484.2720000       | 48809.20000        | 57.1509000          | 24.7714000        | 220.3900000                 | 80562.60000        | 37.6758000        |
| RelInt Mean                       | 0.0000234         | 4.9445900          | 0.0000425           | 0.0008600         | 0.0017005                   | 5.7469200          | 0.0003508         |
| RelInt RSD                        | 40.5584908        | 0.2068281          | 29.4017529          | 4.5043833         | 8.2775452                   | 0.2104814          | 3.3225297         |
| RelInt SD                         | 0.0000095         | 0.0102268          | 0.0000125           | 0.0000387         | 0.0001408                   | 0.0120962          | 0.0000117         |
| Conc Mean                         | <-0.0004744[mg/l] | >361.9450000[mg/l] | 0.0042769[mg/l]     | 0.0063321[mg/l]   | 0.0044798[mg/l]             | >220.6940000[mg/l] | 0.0016955[mg/l]   |
| Conc RSD                          | 73.1604588        | 0.2068425          | 14.8288940          | 6.6390614         | 8.5081643                   | 0.2107044          | 3.5620595         |
| Conc SD                           | 0.0003471[mg/l]   | 0.7486560[mg/l]    | 0.0006342[mg/l]     | 0.0004204[mg/l]   | 0.0003812[mg/l]             | 0.4650120[mg/l]    | 0.0000604[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                          | 13168.70000       | 70465.90000        | 64041000            | 12986.00000       | 28406900                    | 27546.40000        | 19638.80000       |
| Int RSD                           | 1.1882266         | 0.8720601          | 0.3525476           | 0.4150939         | 0.2631477                   | 0.7098060          | 0.3364167         |
| Int SD                            | 156.4740000       | 614.5050000        | 225775              | 53.9041000        | 74752.10000                 | 195.5260000        | 66.0682000        |
| RelInt Mean                       | -0.0006428        | 0.0001933          | 42.1486000          | 0.0000706         | 1.1989300                   | 0.0056498          | -0.0003786        |
| RelInt RSD                        | 16.0448754        | 5.8658865          | 0.6223362           | 6.6056210         | 0.3472880                   | 3.5321021          | 23.6241765        |
| RelInt SD                         | 0.0001031         | 0.0000113          | 0.2623060           | 0.0000047         | 0.0041637                   | 0.0001996          | 0.0000894         |
| Conc Mean                         | <-0.0037956[mg/l] | 0.0025843[mg/l]    | >140.2780000[mg/l]  | 0.0108697[mg/l]   | >379.9360000[mg/l]          | 0.0034439[mg/l]    | <-0.0032960[mg/l] |
| Conc RSD                          | 16.8933338        | 13.9572104         | 0.6220655           | 10.7059072        | 0.3475243                   | 3.7030187          | 21.5259220        |
| Conc SD                           | 0.0006412[mg/l]   | 0.0003607[mg/l]    | 0.8726210[mg/l]     | 0.0011637[mg/l]   | 1.3203700[mg/l]             | 0.0001275[mg/l]    | 0.0007095[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                          | 111897            | 13447.90000        | 26495.40000         | 23369.70000       | 15795.20000                 | 13141.10000        | 128162            |
| Int RSD                           | 0.8166001         | 0.5474520          | 0.5861923           | 0.5816634         | 0.6497923                   | 0.3531828          | 0.1254522         |
| Int SD                            | 913.7510000       | 73.6208000         | 155.3140000         | 135.9330000       | 102.6360000                 | 46.4121000         | 160.7820000       |
| RelInt Mean                       | 0.0028790         | -0.0000538         | 0.0030821           | 0.0000726         | 0.0000628                   | -0.0000445         | 0.0025979         |
| RelInt RSD                        | 1.6497230         | 152.9387386        | 4.3126815           | 46.6902434        | 115.7371057                 | 34.0384399         | 0.5301449         |
| RelInt SD                         | 0.0000475         | 0.0000823          | 0.0001329           | 0.0000339         | 0.0000726                   | 0.0000151          | 0.0000138         |
| Conc Mean                         | 0.0895911[mg/l]   | <0.0000056[mg/l]   | <0.0004429[mg/l]    | 0.0053683[mg/l]   | <0.0046481[mg/l]            | <0.0018690[mg/l]   | 0.0055647[mg/l]   |
| Conc RSD                          | 1.8686231         | 11311.39738        | 1022.139938         | 29.7890572        | 105.7494089                 | 16.1288838         | 1.3345350         |
| Conc SD                           | 0.0016741[mg/l]   | 0.0006369[mg/l]    | 0.0045272[mg/l]     | 0.0015992[mg/l]   | 0.0049154[mg/l]             | 0.0003014[mg/l]    | 0.0000743[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                          | 85387.70000       | 13520.40000        | 21999.80000         | 1533700           | 28258400                    | 23654600           | 23416.50000       |
| Int RSD                           | 0.5134861         | 0.5366032          | 0.9460222           | 0.4179677         | 0.1744759                   | 0.2306177          | 0.4378152         |
| Int SD                            | 438.4540000       | 72.5509000         | 208.1230000         | 6410.370000       | 49304.10000                 | 54551.70000        | 102.5210000       |
| RelInt Mean                       | 0.0002885         | 0.0000052          | 0.0000506           | ---               | ---                         | ---                | 0.0009634         |
| RelInt RSD                        | 2.6619587         | 2078.903444        | 8.8490547           | ---               | ---                         | ---                | 4.3931064         |
| RelInt SD                         | 0.0000077         | 0.0001075          | 0.0000045           | ---               | ---                         | ---                | 0.0000423         |
| Conc Mean                         | 0.0023578[mg/l]   | <0.0018562[mg/l]   | <-0.0008057[mg/l]   | 1518910           | 28144200                    | 23563700           | <-0.0001757[mg/l] |
| Conc RSD                          | 2.8265968         | 371.8251510        | 88.7309243          | ---               | ---                         | ---                | 78.8468542        |
| Conc SD                           | 0.0000666[mg/l]   | 0.0069019[mg/l]    | 0.0007149[mg/l]     | 6426.310000       | 49372.00000                 | 54401.10000        | 0.0001386[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780       | Si 251.612          | P 177.495         | Cd 228.802                  | S 182.034          |                   |
| Int Mean                          | 42263.60000       | 36590.20000        | 17827.10000         | 10514.30000       | 13040.60000                 | 13553.60000        |                   |
| Int RSD                           | 0.0160866         | 0.8462676          | 0.3641630           | 0.8992715         | 0.6136320                   | 0.8165506          |                   |
| Int SD                            | 6.7987700         | 309.6510000        | 64.9197000          | 94.5521000        | 80.0213000                  | 110.6720000        |                   |
| RelInt Mean                       | -0.0006311        | 0.0000635          | 0.0013692           | 0.0001943         | -0.0006414                  | 0.0008302          |                   |
| RelInt RSD                        | 1.4032427         | 13.6689685         | 1.5344659           | 29.3605806        | 11.6757069                  | 6.9209514          |                   |
| RelInt SD                         | 0.0000089         | 0.0000087          | 0.0000210           | 0.0000570         | 0.0000749                   | 0.0000575          |                   |
| Conc Mean                         | <-0.0002951[mg/l] | <-0.0001896[mg/l]  | 0.0101598[mg/l]     | <-0.0005777[mg/l] | <-0.0023818[mg/l]           | 0.0877579[mg/l]    |                   |
| Conc RSD                          | 7.3694144         | 10.6666421         | 3.0940176           | 268.0080107       | 10.5040306                  | 5.6215338          |                   |
| Conc SD                           | 0.0000217[mg/l]   | 0.0000202[mg/l]    | 0.0003143[mg/l]     | 0.0015484[mg/l]   | 0.0002502[mg/l]             | 0.0049333[mg/l]    |                   |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223014 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 10:30 |
| Caldate: 15-APR-2024 |                         |

Standards: S20273, S16862 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|--------|-------|-------|----|--------|-------|
| Lead    | A  | 1.000  | 1.053 | mg/l  | 5  | 20     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 27925400 | -15.44 |
| Yttrium             | A  | 1760010       | 1525080  | -13.35 |
| Yttrium             | R  | 27459700      | 23391800 | -14.81 |

| Sample Name: ICSAB,S20273         |                 |                    |                     |                  | Sample Type: Control Sample |                    |                   |
|-----------------------------------|-----------------|--------------------|---------------------|------------------|-----------------------------|--------------------|-------------------|
| Measure Date: 2024-04-15 10:30:45 |                 |                    | Recalculation Date: |                  | State: Check failed         |                    | Quality: Failed   |
|                                   | Ag 328.068      | Al_R 396.152       | As 189.042          | B 249.677        | Ba 230.424                  | Ca_R 317.933       | Co 228.616        |
| Int Mean                          | 850788          | 120206000          | 13780.10000         | 16731.60000      | 309597                      | 135112000          | 159980            |
| Int RSD                           | 0.4895626       | 0.2897218          | 0.8926278           | 1.2614633        | 0.2621259                   | 0.0778376          | 0.2647962         |
| Int SD                            | 4165.140000     | 348263             | 123.0050000         | 211.0630000      | 811.5340000                 | 105168             | 423.6210000       |
| RelInt Mean                       | 0.0280972       | 5.1289100          | 0.0001736           | 0.0009685        | 0.1961900                   | 5.7894800          | 0.0972888         |
| RelInt RSD                        | 0.4152478       | 0.2097405          | 18.2911104          | 7.8809332        | 0.6375401                   | 0.4558769          | 0.7008844         |
| RelInt SD                         | 0.0001167       | 0.0107574          | 0.0000317           | 0.0000763        | 0.0012508                   | 0.0263929          | 0.0006819         |
| Conc Mean                         | 1.0280600[mg/l] | >375.4370000[mg/l] | 0.0104822[mg/l]     | 0.0075105[mg/l]  | 0.5310140[mg/l]             | >222.3290000[mg/l] | 0.5031780[mg/l]   |
| Conc RSD                          | 0.4155312       | 0.2096794          | 15.3513575          | 11.0300990       | 0.6381508                   | 0.4559774          | 0.7010422         |
| Conc SD                           | 0.0042719[mg/l] | 0.7872140[mg/l]    | 0.0016092[mg/l]     | 0.0008284[mg/l]  | 0.0033887[mg/l]             | 1.0137700[mg/l]    | 0.0035275[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                          | 135919          | 538342             | 66536500            | 12738.50000      | 29404400                    | 1273760            | 20142.20000       |
| Int RSD                           | 0.0885616       | 0.6551040          | 0.0661225           | 1.7704675        | 0.5049686                   | 0.3921477          | 0.9840732         |
| Int SD                            | 120.3720000     | 3526.700000        | 43995.60000         | 225.5310000      | 148483                      | 4995.020000        | 198.2140000       |
| RelInt Mean                       | 0.0804774       | 0.0169694          | 44.0480000          | 0.0000631        | 1.2551700                   | 0.8308220          | -0.0003517        |
| RelInt RSD                        | 0.3527264       | 0.6642898          | 0.5099755           | 9.4690013        | 0.2765203                   | 0.3920515          | 48.1421988        |
| RelInt SD                         | 0.0002839       | 0.0001127          | 0.2246340           | 0.0000060        | 0.0034708                   | 0.0032572          | 0.0001693         |
| Conc Mean                         | 0.5004940[mg/l] | 0.5362530[mg/l]    | >146.6000000[mg/l]  | 0.0089991[mg/l]  | >397.7680000[mg/l]          | 0.5307860[mg/l]    | <-0.0030832[mg/l] |
| Conc RSD                          | 0.3525257       | 0.6687049          | 0.5099229           | 16.5684156       | 0.2768674                   | 0.3921807          | 43.5710648        |
| Conc SD                           | 0.0017644[mg/l] | 0.0035859[mg/l]    | 0.7475470[mg/l]     | 0.0014910[mg/l]  | 1.1012900[mg/l]             | 0.0020816[mg/l]    | 0.0013434[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                          | 116953          | 211364             | 75564.90000         | 24004.10000      | 16241.10000                 | 13539.00000        | 130240            |
| Int RSD                           | 0.2819269       | 0.4124766          | 0.3024738           | 0.4284268        | 0.2524238                   | 0.5125748          | 0.7925599         |
| Int SD                            | 329.7220000     | 871.8270000        | 228.5640000         | 102.8400000      | 40.9964000                  | 69.3975000         | 1032.230000       |
| RelInt Mean                       | 0.0031028       | 0.1307660          | 0.0352206           | 0.0000998        | 0.0000799                   | 0.0000557          | 0.0026981         |
| RelInt RSD                        | 0.3728950       | 0.8593671          | 1.0333441           | 41.5988481       | 57.7291347                  | 128.6036299        | 0.7526806         |
| RelInt SD                         | 0.0000116       | 0.0011238          | 0.0003639           | 0.0000415        | 0.0000461                   | 0.0000717          | 0.0000203         |
| Conc Mean                         | 0.0974795[mg/l] | 1.0124200[mg/l]    | 1.0534600[mg/l]     | <0.0036911[mg/l] | 0.0058059[mg/l]             | <0.0001259[mg/l]   | 0.0061044[mg/l]   |
| Conc RSD                          | 0.4182756       | 0.8590842          | 1.1402521           | 52.7543205       | 53.7406905                  | 1132.852639        | 1.7937969         |
| Conc SD                           | 0.0004077[mg/l] | 0.0086975[mg/l]    | 0.0120121[mg/l]     | 0.0019472[mg/l]  | 0.0031201[mg/l]             | 0.0014266[mg/l]    | 0.0001095[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                          | 85747.10000     | 14069.80000        | 107748              | 1525080          | 27925400                    | 23391800           | 500730            |
| Int RSD                           | 0.4497062       | 0.4243578          | 0.8636476           | 0.4407598        | 0.3436570                   | 0.3933575          | 0.2162063         |
| Int SD                            | 385.6100000     | 59.7063000         | 930.5630000         | 6721.940000      | 95967.60000                 | 92013.40000        | 1082.610000       |
| RelInt Mean                       | 0.0002976       | 0.0001047          | 0.0031249           | ---              | ---                         | ---                | 0.3165090         |
| RelInt RSD                        | 2.3204242       | 74.6975052         | 1.2120767           | ---              | ---                         | ---                | 0.6282475         |
| RelInt SD                         | 0.0000069       | 0.0000782          | 0.0000379           | ---              | ---                         | ---                | 0.0019885         |
| Conc Mean                         | 0.0024368[mg/l] | 0.0082470[mg/l]    | 0.4894830[mg/l]     | 1510060          | 27810500                    | 23299800           | 1.0337900[mg/l]   |
| Conc RSD                          | 2.4593208       | 60.8566540         | 1.2339285           | ---              | ---                         | ---                | 0.6303572         |
| Conc SD                           | 0.0000599[mg/l] | 0.0050188[mg/l]    | 0.0060399[mg/l]     | 6731.080000      | 94985.50000                 | 92854.40000        | 0.0065166[mg/l]   |
|                                   | Be_R 313.107    | Li_R 670.780       | Si 251.612          | P 177.495        | Cd 228.802                  | S 182.034          |                   |
| Int Mean                          | 4840970         | 36695.10000        | 17800.40000         | 11206.60000      | 499839                      | 13759.90000        |                   |
| Int RSD                           | 0.2535029       | 1.2010405          | 0.5368346           | 1.6979459        | 0.3611123                   | 1.0034957          |                   |
| Int SD                            | 12272.00000     | 440.7230000        | 95.5587000          | 190.2820000      | 1804.980000                 | 138.0800000        |                   |
| RelInt Mean                       | 0.2049810       | 0.0000680          | 0.0012955           | 0.0005110        | 0.3211560                   | 0.0008727          |                   |
| RelInt RSD                        | 0.4980998       | 19.4371840         | 8.4139959           | 18.0592855       | 0.7943180                   | 10.6697498         |                   |
| RelInt SD                         | 0.0010210       | 0.0000132          | 0.0001090           | 0.0000923        | 0.0025510                   | 0.0000931          |                   |
| Conc Mean                         | 0.5046500[mg/l] | <-0.0001791[mg/l]  | 0.0090906[mg/l]     | 0.0080188[mg/l]  | 1.0678500[mg/l]             | 0.0914071[mg/l]    |                   |
| Conc RSD                          | 0.4967007       | 17.1952581         | 17.5752202          | 31.2370617       | 0.7938924                   | 8.7463884          |                   |
| Conc SD                           | 0.0025066[mg/l] | 0.0000308[mg/l]    | 0.0015977[mg/l]     | 0.0025048[mg/l]  | 0.0084776[mg/l]             | 0.0079948[mg/l]    |                   |

ENTHALPY CONTINUING CALIBRATION FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223016 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:10 |
| Caldate: 15-APR-2024 |                         |

Standards: S20478, S16862 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | 0.0226         | 0.0328    | 1.000  | 1.081 | mg/l  | 8  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 30287300 | -8.29  |
| Yttrium             | A  | 1760010       | 1649250  | -6.29  |
| Yttrium             | R  | 27459700      | 25237300 | -8.09  |

| Sample Name: CCV,S20478           |                  |                 |                     | Sample Type: Control Sample |                     |                  |                 |
|-----------------------------------|------------------|-----------------|---------------------|-----------------------------|---------------------|------------------|-----------------|
| Measure Date: 2024-04-15 12:10:42 |                  |                 | Recalculation Date: |                             | State: Check failed |                  | Quality: Failed |
|                                   | Ag 328.068       | Al_R 396.152    | As 189.042          | B 249.677                   | Ba 230.424          | Ca_R 317.933     | Co 228.616      |
| Int Mean                          | 464593           | 525552          | 38594.90000         | 168807                      | 651388              | 34215200         | 351386          |
| Int RSD                           | 0.7772932        | 1.2889724       | 0.5198822           | 0.2861256                   | 0.2834716           | 0.5565743        | 0.4288133       |
| Int SD                            | 3611.250000      | 6774.220000     | 200.6480000         | 483.0000000                 | 1846.500000         | 190433           | 1506.790000     |
| RelInt Mean                       | 0.0131716        | 0.0146539       | 0.0204426           | 0.0960254                   | 0.3909360           | 1.3573100        | 0.2078350       |
| RelInt RSD                        | 2.1904097        | 1.2709654       | 1.1374972           | 0.8167974                   | 0.9419777           | 0.3180401        | 1.1117425       |
| RelInt SD                         | 0.0002885        | 0.0001862       | 0.0002325           | 0.0007843                   | 0.0036825           | 0.0043168        | 0.0023106       |
| Conc Mean                         | 0.4812370[mg/l]  | 1.0715700[mg/l] | 1.0384000[mg/l]     | 1.0391400[mg/l]             | 1.0544800[mg/l]     | 52.0272000[mg/l] | 1.0732800[mg/l] |
| Conc RSD                          | 2.1965269        | 1.2722827       | 1.1345917           | 0.8192698                   | 0.9400965           | 0.3186602        | 1.1146579       |
| Conc SD                           | 0.0105705[mg/l]  | 0.0136334[mg/l] | 0.0117816[mg/l]     | 0.0085134[mg/l]             | 0.0099131[mg/l]     | 0.1657900[mg/l]  | 0.0119634[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                          | 281570           | 1010340         | 550692              | 6023110                     | 4168170             | 2747760          | 217581          |
| Int RSD                           | 0.5649323        | 1.1832452       | 0.3132531           | 0.3915087                   | 0.3849291           | 0.7386235        | 0.7541467       |
| Int SD                            | 1590.680000      | 11954.80000     | 1725.060000         | 23581.00000                 | 16044.50000         | 20295.60000      | 1640.880000     |
| RelInt Mean                       | 0.1649460        | 0.0313167       | 0.3281610           | 0.2379800                   | 0.1626420           | 1.6706500        | 0.1289420       |
| RelInt RSD                        | 1.2311605        | 2.4179080       | 1.0012677           | 1.1903143                   | 1.2038772           | 0.1259007        | 1.4300383       |
| RelInt SD                         | 0.0020308        | 0.0007572       | 0.0032858           | 0.0028327                   | 0.0019580           | 0.0021034        | 0.0018439       |
| Conc Mean                         | 1.0256000[mg/l]  | 0.9926580[mg/l] | 1.0911400[mg/l]     | 59.3829000[mg/l]            | 51.3969000[mg/l]    | 1.0674900[mg/l]  | 1.0226500[mg/l] |
| Conc RSD                          | 1.2308892        | 2.4267270       | 1.0021995           | 1.1904606                   | 1.2078627           | 0.1258176        | 1.4303036       |
| Conc SD                           | 0.0126240[mg/l]  | 0.0240891[mg/l] | 0.0109354[mg/l]     | 0.7069300[mg/l]             | 0.6208040[mg/l]     | 0.0013431[mg/l]  | 0.0146270[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                          | 42895200         | 235122          | 64259.60000         | 43208.50000                 | 30870.10000         | 428010           | 28262500        |
| Int RSD                           | 0.2343619        | 0.4395463       | 0.5944466           | 0.1828805                   | 0.5790069           | 0.6044555        | 0.7124034       |
| Int SD                            | 100530           | 1033.470000     | 381.9890000         | 79.0199000                  | 178.7400000         | 2587.130000      | 201343          |
| RelInt Mean                       | 1.6967900        | 0.1363890       | 0.0327568           | 0.0219155                   | 0.0155971           | 0.2584360        | 1.1206200       |
| RelInt RSD                        | 0.5824362        | 1.0746395       | 0.7579190           | 0.8622619                   | 1.2556116           | 1.2219157        | 0.1924310       |
| RelInt SD                         | 0.0098827        | 0.0014657       | 0.0002483           | 0.0001890                   | 0.0001958           | 0.0031579        | 0.0021564       |
| Conc Mean                         | 59.7947000[mg/l] | 1.0559400[mg/l] | 1.0807100[mg/l]     | 1.0286100[mg/l]             | 1.0557900[mg/l]     | 5.1439600[mg/l]  | 6.0333700[mg/l] |
| Conc RSD                          | 0.5824948        | 1.0743508       | 0.7555154           | 0.8585703                   | 1.2551360           | 1.2220468        | 0.1927894       |
| Conc SD                           | 0.3483010[mg/l]  | 0.0113445[mg/l] | 0.0081649[mg/l]     | 0.0088313[mg/l]             | 0.0132516[mg/l]     | 0.0628616[mg/l]  | 0.0116317[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                          | 3676630          | 33062.60000     | 206923              | 1649250                     | 30287300            | 25237300         | 552870          |
| Int RSD                           | 1.1699246        | 0.6122840       | 0.7580888           | 0.6800788                   | 1.2934398           | 0.8019558        | 0.4689041       |
| Int SD                            | 43013.80000      | 202.4370000     | 1568.660000         | 11216.20000                 | 391748              | 202392           | 2592.430000     |
| RelInt Mean                       | 0.1191990        | 0.0170372       | 0.0062879           | ---                         | ---                 | ---              | 0.3334190       |
| RelInt RSD                        | 2.4074866        | 0.8182565       | 2.1697560           | ---                         | ---                 | ---              | 1.1064756       |
| RelInt SD                         | 0.0028697        | 0.0001394       | 0.0001364           | ---                         | ---                 | ---              | 0.0036892       |
| Conc Mean                         | 1.0341900[mg/l]  | 1.0903100[mg/l] | 0.9935260[mg/l]     | 1636710                     | 30189200            | 25161300         | 1.0889400[mg/l] |
| Conc RSD                          | 2.4076524        | 0.8150755       | 2.1901792           | ---                         | ---                 | ---              | 1.1094000       |
| Conc SD                           | 0.0248997[mg/l]  | 0.0088869[mg/l] | 0.0217600[mg/l]     | 11162.40000                 | 391756              | 202532           | 0.0120807[mg/l] |
|                                   | Be_R 313.107     | Li_R 670.780    | Si 251.612          | P 177.495                   | Cd 228.802          | S 182.034        |                 |
| Int Mean                          | 10312100         | 13057500        | 610906              | 309441                      | 526388              | 105114           |                 |
| Int RSD                           | 0.6665684        | 0.4638591       | 0.2923134           | 0.3757388                   | 0.3933505           | 1.5011511        |                 |
| Int SD                            | 68737.20000      | 60568.40000     | 1785.760000         | 1162.690000                 | 2070.550000         | 1577.920000      |                 |
| RelInt Mean                       | 0.4070510        | 0.5138070       | 0.3653250           | 0.1860410                   | 0.3144850           | 0.0608583        |                 |
| RelInt RSD                        | 0.1793252        | 0.3845510       | 0.9495901           | 0.9285050                   | 1.0286882           | 0.9841961        |                 |
| RelInt SD                         | 0.0007299        | 0.0019759       | 0.0034691           | 0.0017274                   | 0.0032351           | 0.0005990        |                 |
| Conc Mean                         | 1.0009000[mg/l]  | 1.1969800[mg/l] | 5.2460900[mg/l]     | 5.0443900[mg/l]             | 1.0419300[mg/l]     | 5.2416700[mg/l]  |                 |
| Conc RSD                          | 0.1789410        | 0.3844500       | 0.9491431           | 0.9298210                   | 1.0284088           | 0.9810919        |                 |
| Conc SD                           | 0.0017910[mg/l]  | 0.0046018[mg/l] | 0.0497929[mg/l]     | 0.0469038[mg/l]             | 0.0107153[mg/l]     | 0.0514256[mg/l]  |                 |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223017 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:13 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 31025400 | -6.06  |
| Yttrium             | A  | 1760010       | 1709820  | -2.85  |
| Yttrium             | R  | 27459700      | 26301600 | -4.22  |

| Sample Name: CCB,1                |                   |                   |                     | Sample Type: Control Sample |                  |                   |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-----------------------------|------------------|-------------------|-------------------|
| Measure Date: 2024-04-15 12:13:59 |                   |                   | Recalculation Date: |                             | State: Checked   |                   | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677                   | Ba 230.424       | Ca_R 317.933      | Co 228.616        |
| Int Mean                          | 68514.90000       | 74077.50000       | 4676.360000         | 13321.40000                 | 11201.50000      | 150208            | 10595.90000       |
| Int RSD                           | 0.1305240         | 2.8439000         | 0.2304078           | 1.4592310                   | 0.6750275        | 1.0256511         | 0.2221076         |
| Int SD                            | 89.4284000        | 2106.690000       | 10.7747000          | 194.3900000                 | 75.6132000       | 1540.610000       | 23.5343000        |
| RelInt Mean                       | 0.0000434         | 0.0005189         | -0.0000790          | 0.0011013                   | 0.0001020        | 0.0042374         | -0.0000109        |
| RelInt RSD                        | 16.9975946        | 12.6152912        | 10.3719549          | 11.0178695                  | 35.7723354       | 1.5379854         | 71.6333663        |
| RelInt SD                         | 0.0000074         | 0.0000655         | 0.0000082           | 0.0001213                   | 0.0000365        | 0.0000652         | 0.0000078         |
| Conc Mean                         | <0.0002601[mg/l]  | 0.0368879[mg/l]   | <-0.0018881[mg/l]   | 0.0089515[mg/l]             | <0.0001379[mg/l] | 0.0368853[mg/l]   | <-0.0001727[mg/l] |
| Conc RSD                          | 103.9290329       | 12.9906013        | 22.0021503          | 14.7113432                  | 71.4970985       | 6.7890460         | 23.2704901        |
| Conc SD                           | 0.0002703[mg/l]   | 0.0047920[mg/l]   | 0.0004154[mg/l]     | 0.0013169[mg/l]             | 0.0000986[mg/l]  | 0.0025042[mg/l]   | 0.0000402[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                          | 10982.70000       | 66127.10000       | 23385.00000         | 12989.80000                 | 81506.50000      | 12846.70000       | 6382.710000       |
| Int RSD                           | 0.4169385         | 0.2744246         | 3.2834638           | 0.4673490                   | 0.8977615        | 1.2417119         | 1.4079584         |
| Int SD                            | 45.7911000        | 181.4690000       | 767.8380000         | 60.7077000                  | 731.7340000      | 159.5190000       | 89.8659000        |
| RelInt Mean                       | 0.0000193         | 0.0001091         | 0.0060617           | 0.0000483                   | 0.0006701        | 0.0001475         | 0.0001157         |
| RelInt RSD                        | 170.0967090       | 8.7834103         | 6.8657844           | 10.1066370                  | 1.5874838        | 36.2979632        | 44.9654183        |
| RelInt SD                         | 0.0000329         | 0.0000096         | 0.0004162           | 0.0000049                   | 0.0000106        | 0.0000536         | 0.0000520         |
| Conc Mean                         | <0.0003210[mg/l]  | <-0.0000933[mg/l] | 0.0191264[mg/l]     | <0.0053146[mg/l]            | 0.0460139[mg/l]  | <-0.0000724[mg/l] | <-0.0006249[mg/l] |
| Conc RSD                          | 63.7318338        | 326.7891688       | 7.2420320           | 22.9375095                  | 7.3292201        | 47.2709995        | 66.0306040        |
| Conc SD                           | 0.0002046[mg/l]   | 0.0003049[mg/l]   | 0.0013851[mg/l]     | 0.0012190[mg/l]             | 0.0033725[mg/l]  | 0.0000342[mg/l]   | 0.0004126[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                          | 44801.40000       | 11340.00000       | 10033.60000         | 7003.070000                 | 5112.800000      | 4866.300000       | 62003.60000       |
| Int RSD                           | 0.9678894         | 0.3859268         | 0.4566975           | 0.6162711                   | 0.2576064        | 0.6823233         | 0.6543217         |
| Int SD                            | 433.6280000       | 43.7641000        | 45.8232000          | 43.1579000                  | 13.1709000       | 33.2039000        | 405.7030000       |
| RelInt Mean                       | 0.0002478         | 0.0000449         | -0.0001134          | -0.0000122                  | 0.0000111        | 0.0000946         | 0.0002080         |
| RelInt RSD                        | 10.5854978        | 186.7343555       | 15.1408208          | 161.4958426                 | 60.8214790       | 14.6422976        | 2.2771242         |
| RelInt SD                         | 0.0000262         | 0.0000839         | 0.0000172           | 0.0000197                   | 0.0000068        | 0.0000138         | 0.0000047         |
| Conc Mean                         | <-0.0031506[mg/l] | <0.0007585[mg/l]  | <0.0000103[mg/l]    | <0.0013466[mg/l]            | <0.0011532[mg/l] | 0.0008996[mg/l]   | <-0.0073206[mg/l] |
| Conc RSD                          | 29.3398104        | 85.6046733        | 5493.622932         | 68.9637094                  | 39.6650971       | 30.6475548        | 0.3489026         |
| Conc SD                           | 0.0009244[mg/l]   | 0.0006493[mg/l]   | 0.0005656[mg/l]     | 0.0009287[mg/l]             | 0.0004574[mg/l]  | 0.0002757[mg/l]   | 0.0000255[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                          | 75596.00000       | 4761.080000       | 18232.30000         | 1709820                     | 31025400         | 26301600          | 7212.340000       |
| Int RSD                           | 1.0355151         | 0.3857696         | 0.6320870           | 0.5044946                   | 0.5082416        | 0.9188414         | 0.5280353         |
| Int SD                            | 782.8080000       | 18.3668000        | 115.2440000         | 8625.950000                 | 157684           | 241670            | 38.0837000        |
| RelInt Mean                       | 0.0000799         | -0.0000054        | 0.0000531           | ---                         | ---              | ---               | 0.0002757         |
| RelInt RSD                        | 26.9103106        | 234.4115572       | 11.6182557          | ---                         | ---              | ---               | 9.2229907         |
| RelInt SD                         | 0.0000215         | 0.0000126         | 0.0000062           | ---                         | ---              | ---               | 0.0000254         |
| Conc Mean                         | 0.0005475[mg/l]   | <0.0011725[mg/l]  | <-0.0004151[mg/l]   | 1697470                     | 30926700         | 26225400          | <-0.0024319[mg/l] |
| Conc RSD                          | 34.0783184        | 69.2444221        | 237.0201828         | ---                         | ---              | ---               | 3.4312378         |
| Conc SD                           | 0.0001866[mg/l]   | 0.0008119[mg/l]   | 0.0009839[mg/l]     | 8530.570000                 | 157626           | 241787            | 0.0000834[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495                   | Cd 228.802       | S 182.034         |                   |
| Int Mean                          | 38356.50000       | 34791.90000       | 13269.20000         | 4690.890000                 | 10749.30000      | 4803.410000       |                   |
| Int RSD                           | 0.8044504         | 0.6482745         | 0.3455197           | 2.1828693                   | 0.3974445        | 0.1928095         |                   |
| Int SD                            | 308.5590000       | 225.5470000       | 45.8477000          | 102.3960000                 | 42.7225000       | 9.2614300         |                   |
| RelInt Mean                       | -0.0005123        | 0.0000096         | 0.0008532           | 0.0002405                   | 0.0000835        | -0.0001517        |                   |
| RelInt RSD                        | 2.6836210         | 31.2972488        | 3.9499336           | 25.7575367                  | 14.8298597       | 6.0740057         |                   |
| RelInt SD                         | 0.0000137         | 0.0000030         | 0.0000337           | 0.0000619                   | 0.0000124        | 0.0000092         |                   |
| Conc Mean                         | <-0.0000034[mg/l] | <-0.0003151[mg/l] | <0.0026162[mg/l]    | <0.0006761[mg/l]            | <0.0000516[mg/l] | <0.0034487[mg/l]  |                   |
| Conc RSD                          | 1005.482871       | 2.2300954         | 18.4164880          | 248.6857870                 | 78.7214132       | 22.9460990        |                   |
| Conc SD                           | 0.0000338[mg/l]   | 0.0000070[mg/l]   | 0.0004818[mg/l]     | 0.0016813[mg/l]             | 0.0000406[mg/l]  | 0.0007913[mg/l]   |                   |

ENTHALPY CONTINUING CALIBRATION FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223028 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:51 |
| Caldate: 15-APR-2024 |                         |

Standards: S20478, S16862 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | 0.0226         | 0.0328    | 1.000  | 1.082 | mg/l  | 8  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 30927200 | -6.35  |
| Yttrium             | A  | 1760010       | 1677370  | -4.70  |
| Yttrium             | R  | 27459700      | 25351500 | -7.68  |



| Sample Name: CCV,S20478           |                  |                 |                     |                  | Sample Type: Control Sample |                  |                 |
|-----------------------------------|------------------|-----------------|---------------------|------------------|-----------------------------|------------------|-----------------|
| Measure Date: 2024-04-15 12:51:22 |                  |                 | Recalculation Date: |                  | State: Check failed         |                  | Quality: Failed |
|                                   | Ag 328.068       | Al_R 396.152    | As 189.042          | B 249.677        | Ba 230.424                  | Ca_R 317.933     | Co 228.616      |
| Int Mean                          | 475506           | 505487          | 39294.40000         | 169377           | 665953                      | 34925400         | 358774          |
| Int RSD                           | 0.3097143        | 0.3699403       | 0.2843051           | 0.6465931        | 0.9387449                   | 0.4587950        | 0.8778897       |
| Int SD                            | 1472.710000      | 1870.000000     | 111.7160000         | 1095.180000      | 6251.600000                 | 160236           | 3149.640000     |
| RelInt Mean                       | 0.0131928        | 0.0137244       | 0.0204220           | 0.0945578        | 0.3930040                   | 1.3793100        | 0.2086430       |
| RelInt RSD                        | 1.2670927        | 1.1592711       | 1.2007835           | 0.7169393        | 0.5998310                   | 0.2760815        | 0.5043447       |
| RelInt SD                         | 0.0001672        | 0.0001591       | 0.0002452           | 0.0006779        | 0.0023574                   | 0.0038080        | 0.0010523       |
| Conc Mean                         | 0.4820150[mg/l]  | 1.0035400[mg/l] | 1.0373400[mg/l]     | 1.0232100[mg/l]  | 1.0600800[mg/l]             | 52.8728000[mg/l] | 1.0774600[mg/l] |
| Conc RSD                          | 1.2705372        | 1.1609702       | 1.1989994           | 0.7187586        | 0.5993265                   | 0.2768872        | 0.5023899       |
| Conc SD                           | 0.0061242[mg/l]  | 0.0116508[mg/l] | 0.0124377[mg/l]     | 0.0073544[mg/l]  | 0.0063533[mg/l]             | 0.1463980[mg/l]  | 0.0054131[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                          | 289104           | 1025280         | 553058              | 6102690          | 4185770                     | 2794150          | 221690          |
| Int RSD                           | 0.7026122        | 0.5218711       | 0.9321717           | 0.5347609        | 0.5583369                   | 1.3162715        | 0.6629573       |
| Int SD                            | 2031.280000      | 5350.640000     | 5155.450000         | 32634.80000      | 23370.70000                 | 36778.60000      | 1469.710000     |
| RelInt Mean                       | 0.1665610        | 0.0310919       | 0.3239590           | 0.2400500        | 0.1625670                   | 1.6705300        | 0.1291760       |
| RelInt RSD                        | 0.6584735        | 1.3305009       | 0.5193342           | 1.2362508        | 1.2723739                   | 0.1112072        | 0.7580503       |
| RelInt SD                         | 0.0010968        | 0.0004137       | 0.0016824           | 0.0029676        | 0.0020685                   | 0.0018578        | 0.0009792       |
| Conc Mean                         | 1.0356400[mg/l]  | 0.9855040[mg/l] | 1.0771500[mg/l]     | 59.8995000[mg/l] | 51.3729000[mg/l]            | 1.0674200[mg/l]  | 1.0245000[mg/l] |
| Conc RSD                          | 0.6582278        | 1.3352559       | 0.5200000           | 1.2365329        | 1.2765174                   | 0.1111896        | 0.7582743       |
| Conc SD                           | 0.0068169[mg/l]  | 0.0131590[mg/l] | 0.0056012[mg/l]     | 0.7406770[mg/l]  | 0.6557840[mg/l]             | 0.0011869[mg/l]  | 0.0077685[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                          | 43520700         | 240107          | 65362.20000         | 43420.00000      | 31258.70000                 | 439358           | 28451600        |
| Int RSD                           | 0.3361780        | 0.8314252       | 0.2676761           | 0.6456403        | 0.1975063                   | 0.8999517        | 0.9655028       |
| Int SD                            | 146307           | 1996.310000     | 174.9590000         | 280.3370000      | 61.7379000                  | 3954.010000      | 274701          |
| RelInt Mean                       | 1.7138300        | 0.1369770       | 0.0327826           | 0.0215615        | 0.0154972                   | 0.2608370        | 1.1230500       |
| RelInt RSD                        | 0.5181173        | 0.5194952       | 1.3112383           | 0.7292303        | 1.3080556                   | 0.4927828        | 0.2365309       |
| RelInt SD                         | 0.0088797        | 0.0007116       | 0.0004299           | 0.0001572        | 0.0002027                   | 0.0012854        | 0.0026564       |
| Conc Mean                         | 60.3953000[mg/l] | 1.0605000[mg/l] | 1.0815800[mg/l]     | 1.0118700[mg/l]  | 1.0490300[mg/l]             | 5.1917500[mg/l]  | 6.0464400[mg/l] |
| Conc RSD                          | 0.5183433        | 0.5192277       | 1.3068197           | 0.7284730        | 1.3076652                   | 0.4928974        | 0.2369477       |
| Conc SD                           | 0.3130550[mg/l]  | 0.0055064[mg/l] | 0.0141343[mg/l]     | 0.0073712[mg/l]  | 0.0137178[mg/l]             | 0.0255900[mg/l]  | 0.0143269[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                          | 3768520          | 33368.30000     | 212978              | 1677370          | 30927200                    | 25351500         | 569101          |
| Int RSD                           | 0.8061387        | 0.3275894       | 0.7684127           | 1.3948026        | 0.8709065                   | 0.7321697        | 0.6994611       |
| Int SD                            | 30379.50000      | 109.3110000     | 1636.550000         | 23396.00000      | 269347                      | 185616           | 3980.640000     |
| RelInt Mean                       | 0.1196250        | 0.0168469       | 0.0063374           | ---              | ---                         | ---              | 0.3374960       |
| RelInt RSD                        | 1.5662445        | 1.6113884       | 1.6208646           | ---              | ---                         | ---              | 0.7505719       |
| RelInt SD                         | 0.0018736        | 0.0002715       | 0.0001027           | ---              | ---                         | ---              | 0.0025332       |
| Conc Mean                         | 1.0379000[mg/l]  | 1.0780700[mg/l] | 1.0014300[mg/l]     | 1664480          | 30826400                    | 25273900         | 1.1023000[mg/l] |
| Conc RSD                          | 1.5663551        | 1.6118156       | 1.6355811           | ---              | ---                         | ---              | 0.7527198       |
| Conc SD                           | 0.0162572[mg/l]  | 0.0173765[mg/l] | 0.0163792[mg/l]     | 23339.40000      | 268567                      | 185717           | 0.0082972[mg/l] |
|                                   | Be_R 313.107     | Li_R 670.780    | Si 251.612          | P 177.495        | Cd 228.802                  | S 182.034        |                 |
| Int Mean                          | 10499200         | 13201600        | 622861              | 316255           | 536744                      | 104037           |                 |
| Int RSD                           | 0.5953711        | 0.7283700       | 0.8867018           | 0.8031841        | 0.9706955                   | 0.9178850        |                 |
| Int SD                            | 62509.20000      | 96156.50000     | 5522.920000         | 2540.110000      | 5210.150000                 | 954.9400000      |                 |
| RelInt Mean                       | 0.4126270        | 0.5171350       | 0.3662260           | 0.1869700        | 0.3153000                   | 0.0591316        |                 |
| RelInt RSD                        | 0.1388814        | 0.2450443       | 0.4900635           | 0.7275178        | 0.4146654                   | 0.5332141        |                 |
| RelInt SD                         | 0.0005731        | 0.0012672       | 0.0017947           | 0.0013602        | 0.0013074                   | 0.0003153        |                 |
| Conc Mean                         | 1.0145900[mg/l]  | 1.2047400[mg/l] | 5.2590600[mg/l]     | 5.0695900[mg/l]  | 1.0446400[mg/l]             | 5.0934200[mg/l]  |                 |
| Conc RSD                          | 0.1385032        | 0.2448014       | 0.4898461           | 0.7284100        | 0.4120491                   | 0.5315427        |                 |
| Conc SD                           | 0.0014052[mg/l]  | 0.0029492[mg/l] | 0.0257613[mg/l]     | 0.0369274[mg/l]  | 0.0043044[mg/l]             | 0.0270737[mg/l]  |                 |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223029 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 12:54 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 32697600 | -0.99  |
| Yttrium             | A  | 1760010       | 1765610  | 0.32   |
| Yttrium             | R  | 27459700      | 27147900 | -1.14  |

| Sample Name: CCB,1                |                   |                   |                     |                   | Sample Type: Control Sample |                   |                   |
|-----------------------------------|-------------------|-------------------|---------------------|-------------------|-----------------------------|-------------------|-------------------|
| Measure Date: 2024-04-15 12:54:40 |                   |                   | Recalculation Date: |                   | State: Checked              |                   | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677         | Ba 230.424                  | Ca_R 317.933      | Co 228.616        |
| Int Mean                          | 66602.20000       | 59450.30000       | 4664.190000         | 11993.60000       | 11085.50000                 | 125982            | 10478.50000       |
| Int RSD                           | 0.6318005         | 1.3070464         | 0.4426556           | 0.4946005         | 0.3189743                   | 1.3769348         | 0.4311724         |
| Int SD                            | 420.7930000       | 777.0430000       | 20.6463000          | 59.3204000        | 35.3599000                  | 1734.690000       | 45.1804000        |
| RelInt Mean                       | 0.0000362         | 0.0000239         | -0.0000704          | 0.0004115         | 0.0001230                   | 0.0032463         | 0.0000108         |
| RelInt RSD                        | 19.3167397        | 65.9564604        | 27.6805277          | 7.0719686         | 11.8658385                  | 2.8378358         | 103.0432378       |
| RelInt SD                         | 0.0000070         | 0.0000158         | 0.0000195           | 0.0000291         | 0.0000146                   | 0.0000921         | 0.0000112         |
| Conc Mean                         | <-0.0000021[mg/l] | <0.0006549[mg/l]  | <-0.0014529[mg/l]   | <0.0014647[mg/l]  | <0.0001933[mg/l]            | <-0.0011962[mg/l] | <-0.0000605[mg/l] |
| Conc RSD                          | 12300.16783       | 176.4907968       | 68.0199465          | 21.5605926        | 21.4077557                  | 295.9378004       | 95.3446038        |
| Conc SD                           | 0.0002565[mg/l]   | 0.0011559[mg/l]   | 0.0009883[mg/l]     | 0.0003158[mg/l]   | 0.0000414[mg/l]             | 0.0035399[mg/l]   | 0.0000577[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                          | 10832.50000       | 64803.10000       | 16131.20000         | 12928.50000       | 77474.40000                 | 12904.80000       | 6404.320000       |
| Int RSD                           | 0.3857660         | 0.2812319         | 1.4954746           | 0.5501852         | 0.9773912                   | 0.6604457         | 1.8796687         |
| Int SD                            | 41.7881000        | 182.2470000       | 241.2380000         | 71.1307000        | 757.2280000                 | 85.2292000        | 120.3800000       |
| RelInt Mean                       | 0.0000331         | 0.0001064         | 0.0018666           | 0.0000557         | 0.0005438                   | 0.0002917         | 0.0001673         |
| RelInt RSD                        | 90.8060301        | 4.1001099         | 6.2779721           | 8.1881591         | 0.5239272                   | 6.6022993         | 40.3702575        |
| RelInt SD                         | 0.0000301         | 0.0000044         | 0.0001172           | 0.0000046         | 0.0000028                   | 0.0000193         | 0.0000675         |
| Conc Mean                         | <0.0004067[mg/l]  | <0.0001790[mg/l]  | 0.0051642[mg/l]     | 0.0071458[mg/l]   | <0.0059929[mg/l]            | <0.0000197[mg/l]  | 0.0010344[mg/l]   |
| Conc RSD                          | 45.9940208        | 77.5345037        | 7.5521574           | 15.9195326        | 15.0713010                  | 62.4461483        | 51.7951122        |
| Conc SD                           | 0.0001871[mg/l]   | 0.0001388[mg/l]   | 0.0003900[mg/l]     | 0.0011376[mg/l]   | 0.0009032[mg/l]             | 0.0000123[mg/l]   | 0.0005358[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                          | 44445.30000       | 11251.90000       | 9876.850000         | 6869.740000       | 5045.400000                 | 4885.080000       | 62863.50000       |
| Int RSD                           | 0.8636864         | 0.0599180         | 0.5618593           | 0.7044561         | 0.6531633                   | 2.1286038         | 0.8009672         |
| Int SD                            | 383.8680000       | 6.7419100         | 55.4940000          | 48.3943000        | 32.9547000                  | 103.9840000       | 503.5160000       |
| RelInt Mean                       | 0.0002581         | 0.0000724         | -0.0001300          | -0.0000476        | -0.0000191                  | 0.0001085         | 0.0002855         |
| RelInt RSD                        | 9.3392202         | 62.8153233        | 17.6395213          | 31.3088701        | 172.5618780                 | 55.7816272        | 1.7790160         |
| RelInt SD                         | 0.0000241         | 0.0000455         | 0.0000229           | 0.0000149         | 0.0000330                   | 0.0000605         | 0.0000051         |
| Conc Mean                         | <-0.0027864[mg/l] | <0.0009714[mg/l]  | <-0.0005267[mg/l]   | <-0.0003188[mg/l] | <-0.0008928[mg/l]           | <0.0011772[mg/l]  | <-0.0069027[mg/l] |
| Conc RSD                          | 30.4906025        | 36.2505804        | 143.2238807         | 219.9171296       | 250.0901648                 | 102.3767456       | 0.3967752         |
| Conc SD                           | 0.0008496[mg/l]   | 0.0003521[mg/l]   | 0.0007543[mg/l]     | 0.0007011[mg/l]   | 0.0022328[mg/l]             | 0.0012052[mg/l]   | 0.0000274[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                          | 75098.40000       | 4727.770000       | 17901.30000         | 1765610           | 32697600                    | 27147900          | 7978.340000       |
| Int RSD                           | 0.6779226         | 0.6899532         | 0.7546826           | 0.9808338         | 0.5515879                   | 1.2283602         | 0.7881226         |
| Int SD                            | 509.1090000       | 32.6194000        | 135.0980000         | 17317.70000       | 180356                      | 333474            | 62.8791000        |
| RelInt Mean                       | 0.0001094         | -0.0000158        | 0.0000535           | ---               | ---                         | ---               | 0.0007522         |
| RelInt RSD                        | 12.7919798        | 119.3020051       | 6.9370437           | ---               | ---                         | ---               | 3.6792416         |
| RelInt SD                         | 0.0000140         | 0.0000189         | 0.0000037           | ---               | ---                         | ---               | 0.0000277         |
| Conc Mean                         | 0.0008033[mg/l]   | <0.0005007[mg/l]  | <-0.0003491[mg/l]   | 1753320           | 32599500                    | 27071900          | <-0.0008703[mg/l] |
| Conc RSD                          | 15.1143784        | 242.2351564       | 169.6802934         | ---               | ---                         | ---               | 10.4296027        |
| Conc SD                           | 0.0001214[mg/l]   | 0.0012128[mg/l]   | 0.0005923[mg/l]     | 17348.00000       | 180054                      | 333205            | 0.0000908[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495         | Cd 228.802                  | S 182.034         |                   |
| Int Mean                          | 37896.90000       | 34930.40000       | 12957.00000         | 4764.890000       | 10683.30000                 | 4791.120000       |                   |
| Int RSD                           | 1.3258340         | 0.5534463         | 0.3472054           | 2.7628130         | 0.3007217                   | 0.6897302         |                   |
| Int SD                            | 502.4500000       | 193.3210000       | 44.9874000          | 131.6450000       | 32.1270000                  | 33.0458000        |                   |
| RelInt Mean                       | -0.0004964        | 0.0000426         | 0.0007409           | 0.0002657         | 0.0001437                   | -0.0001492        |                   |
| RelInt RSD                        | 5.0358290         | 11.2014811        | 5.4676148           | 34.9631701        | 12.9542877                  | 9.1548975         |                   |
| RelInt SD                         | 0.0000250         | 0.0000048         | 0.0000405           | 0.0000929         | 0.0000186                   | 0.0000137         |                   |
| Conc Mean                         | <0.0000357[mg/l]  | <-0.0002382[mg/l] | <0.0009845[mg/l]    | <0.0013608[mg/l]  | 0.0002502[mg/l]             | <0.0036682[mg/l]  |                   |
| Conc RSD                          | 172.0856110       | 4.6699887         | 60.0373992          | 185.3026551       | 25.6931969                  | 31.9690745        |                   |
| Conc SD                           | 0.0000614[mg/l]   | 0.0000111[mg/l]   | 0.0005911[mg/l]     | 0.0025216[mg/l]   | 0.0000643[mg/l]             | 0.0011727[mg/l]   |                   |

ENTHALPY CONTINUING CALIBRATION FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223039 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 13:27 |
| Caldate: 15-APR-2024 |                         |

Standards: S20478, S16862 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---------|----|----------------|-----------|--------|-------|-------|----|--------|-------|
| Lead    | A  | 0.0226         | 0.0325    | 1.000  | 1.071 | mg/l  | 7  | 10     |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 30679800 | -7.10  |
| Yttrium             | A  | 1760010       | 1685100  | -4.26  |
| Yttrium             | R  | 27459700      | 25701000 | -6.40  |

| Sample Name: CCV,S20478           |                  |                 |                     |                  | Sample Type: Control Sample |                  |                 |
|-----------------------------------|------------------|-----------------|---------------------|------------------|-----------------------------|------------------|-----------------|
| Measure Date: 2024-04-15 13:27:50 |                  |                 | Recalculation Date: |                  | State: Check failed         |                  | Quality: Failed |
|                                   | Ag 328.068       | Al_R 396.152    | As 189.042          | B 249.677        | Ba 230.424                  | Ca_R 317.933     | Co 228.616      |
| Int Mean                          | 471434           | 503486          | 38995.40000         | 167074           | 656177                      | 34954600         | 354013          |
| Int RSD                           | 0.7864049        | 1.1039572       | 0.7937295           | 0.3336258        | 0.5011087                   | 0.1491618        | 0.4094821       |
| Int SD                            | 3707.380000      | 5558.270000     | 309.5180000         | 557.4020000      | 3288.160000                 | 52138.90000      | 1449.620000     |
| RelInt Mean                       | 0.0131352        | 0.0134545       | 0.0201438           | 0.0926446        | 0.3852950                   | 1.3616300        | 0.2047540       |
| RelInt RSD                        | 1.7459498        | 1.3436025       | 0.2571551           | 0.5895238        | 0.4113394                   | 0.1130425        | 0.4656129       |
| RelInt SD                         | 0.0002293        | 0.0001808       | 0.0000518           | 0.0005462        | 0.0015849                   | 0.0015392        | 0.0009534       |
| Conc Mean                         | 0.4799050[mg/l]  | 0.9837760[mg/l] | 1.0232500[mg/l]     | 1.0024500[mg/l]  | 1.0392800[mg/l]             | 52.1934000[mg/l] | 1.0573500[mg/l] |
| Conc RSD                          | 1.7507069        | 1.3451538       | 0.2565365           | 0.5914400        | 0.4100733                   | 0.1130076        | 0.4647761       |
| Conc SD                           | 0.0084017[mg/l]  | 0.0132333[mg/l] | 0.0026250[mg/l]     | 0.0059289[mg/l]  | 0.0042618[mg/l]             | 0.0589825[mg/l]  | 0.0049143[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                          | 284946           | 1016420         | 546769              | 6075060          | 4155750                     | 2766140          | 218537          |
| Int RSD                           | 0.3469938        | 0.2477893       | 0.4073000           | 1.2628270        | 1.2259520                   | 0.7303571        | 0.3150940       |
| Int SD                            | 988.7450000      | 2518.580000     | 2226.990000         | 76717.50000      | 50947.50000                 | 20202.70000      | 688.5970000     |
| RelInt Mean                       | 0.1632120        | 0.0310300       | 0.3185970           | 0.2356900        | 0.1591400                   | 1.6461400        | 0.1266770       |
| RelInt RSD                        | 0.6281095        | 0.8795907       | 0.5263044           | 1.3814926        | 1.3005781                   | 0.2212910        | 0.6899303       |
| RelInt SD                         | 0.0010252        | 0.0002729       | 0.0016768           | 0.0032560        | 0.0020697                   | 0.0036428        | 0.0008740       |
| Conc Mean                         | 1.0148200[mg/l]  | 0.9835340[mg/l] | 1.0593100[mg/l]     | 58.8116000[mg/l] | 50.2866000[mg/l]            | 1.0518300[mg/l]  | 1.0046800[mg/l] |
| Conc RSD                          | 0.6280316        | 0.8827555       | 0.5267287           | 1.3817546        | 1.3050296                   | 0.2215966        | 0.6902228       |
| Conc SD                           | 0.0063734[mg/l]  | 0.0086822[mg/l] | 0.0055797[mg/l]     | 0.8126320[mg/l]  | 0.6562550[mg/l]             | 0.0023308[mg/l]  | 0.0069345[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                          | 43558700         | 237190          | 65210.80000         | 43251.90000      | 31264.80000                 | 434425           | 28328700        |
| Int RSD                           | 0.3214100        | 0.3969476       | 0.0547327           | 0.5297085        | 0.4762033                   | 0.3823675        | 0.4182402       |
| Int SD                            | 140002           | 941.5200000     | 35.6916000          | 229.1090000      | 148.8840000                 | 1661.100000      | 118482          |
| RelInt Mean                       | 1.6919100        | 0.1344920       | 0.0324711           | 0.0213163        | 0.0153914                   | 0.2566890        | 1.1029600       |
| RelInt RSD                        | 0.2605062        | 0.8579767       | 0.9854671           | 1.5717033        | 0.3839872                   | 0.5255699        | 0.6592225       |
| RelInt SD                         | 0.0044075        | 0.0011539       | 0.0003200           | 0.0003350        | 0.0000591                   | 0.0013491        | 0.0072710       |
| Conc Mean                         | 59.6228000[mg/l] | 1.0412600[mg/l] | 1.0713400[mg/l]     | 1.0004400[mg/l]  | 1.0418800[mg/l]             | 5.1091800[mg/l]  | 5.9381500[mg/l] |
| Conc RSD                          | 0.2605916        | 0.8571884       | 0.9818358           | 1.5745072        | 0.3838571                   | 0.5256323        | 0.6605104       |
| Conc SD                           | 0.1553720[mg/l]  | 0.0089256[mg/l] | 0.0105188[mg/l]     | 0.0157520[mg/l]  | 0.0039993[mg/l]             | 0.0268555[mg/l]  | 0.0392221[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                          | 3721060          | 33581.10000     | 210646              | 1685100          | 30679800                    | 25701000         | 564475          |
| Int RSD                           | 0.3787415        | 0.4599403       | 1.0469651           | 0.8758590        | 0.7900149                   | 0.2573301        | 0.5019762       |
| Int SD                            | 14093.20000      | 154.4530000     | 2205.390000         | 14759.10000      | 242375                      | 66136.40000      | 2833.530000     |
| RelInt Mean                       | 0.1190050        | 0.0168712       | 0.0063012           | ---              | ---                         | ---              | 0.3331580       |
| RelInt RSD                        | 1.1471283        | 0.8315117       | 1.8800001           | ---              | ---                         | ---              | 0.7339070       |
| RelInt SD                         | 0.0013651        | 0.0001403       | 0.0001185           | ---              | ---                         | ---              | 0.0024451       |
| Conc Mean                         | 1.0325200[mg/l]  | 1.0797000[mg/l] | 0.9956580[mg/l]     | 1672020          | 30577900                    | 25623100         | 1.0880900[mg/l] |
| Conc RSD                          | 1.1475516        | 0.8300972       | 1.8972579           | ---              | ---                         | ---              | 0.7358711       |
| Conc SD                           | 0.0118487[mg/l]  | 0.0089626[mg/l] | 0.0188902[mg/l]     | 14772.50000      | 241869                      | 66072.00000      | 0.0080069[mg/l] |
|                                   | Be_R 313.107     | Li_R 670.780    | Si 251.612          | P 177.495        | Cd 228.802                  | S 182.034        |                 |
| Int Mean                          | 10499200         | 13218600        | 610522              | 312300           | 528439                      | 105566           |                 |
| Int RSD                           | 0.1965988        | 0.1428926       | 0.3442300           | 0.1023020        | 0.2265295                   | 0.1794763        |                 |
| Int SD                            | 20641.30000      | 18888.40000     | 2101.600000         | 319.4890000      | 1197.070000                 | 189.4660000      |                 |
| RelInt Mean                       | 0.4070060        | 0.5107620       | 0.3570910           | 0.1837030        | 0.3088410                   | 0.0597708        |                 |
| RelInt RSD                        | 0.3044304        | 0.4007150       | 0.5438474           | 0.7663185        | 0.6984468                   | 1.0509764        |                 |
| RelInt SD                         | 0.0012391        | 0.0020467       | 0.0019420           | 0.0014078        | 0.0021571                   | 0.0006282        |                 |
| Conc Mean                         | 1.0007900[mg/l]  | 1.1898900[mg/l] | 5.1275100[mg/l]     | 4.9809200[mg/l]  | 1.0232100[mg/l]             | 5.1483000[mg/l]  |                 |
| Conc RSD                          | 0.3042037        | 0.4005227       | 0.5445138           | 0.7672297        | 0.7017875                   | 1.0476021        |                 |
| Conc SD                           | 0.0030444[mg/l]  | 0.0047658[mg/l] | 0.0279200[mg/l]     | 0.0382151[mg/l]  | 0.0071808[mg/l]             | 0.0539337[mg/l]  |                 |

ENTHALPY INSTRUMENT BLANK FOR 506093 METALS Wipe  
EPA 6010B

|                      |                         |
|----------------------|-------------------------|
| Inst: MET06          | IDF: 1.0                |
| Seqnum: 484153223040 | File: met06_master011   |
| Cal: 484153223001    | Time: 15-APR-2024 13:31 |
| Caldate: 15-APR-2024 |                         |

| Analyte | Ch | Quant | IQL      | LOD | Units | Flags |
|---------|----|-------|----------|-----|-------|-------|
| Lead    | A  | ND    | 0.003333 | --- | mg/l  |       |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund    | %Drift |
|---------------------|----|---------------|----------|--------|
| Yttrium             | H  | 33025300      | 33119700 | 0.29   |
| Yttrium             | A  | 1760010       | 1795820  | 2.03   |
| Yttrium             | R  | 27459700      | 27657600 | 0.72   |

| Sample Name: CCB,1                |                   |                   |                     |                  | Sample Type: Control Sample |                   |                   |
|-----------------------------------|-------------------|-------------------|---------------------|------------------|-----------------------------|-------------------|-------------------|
| Measure Date: 2024-04-15 13:31:07 |                   |                   | Recalculation Date: |                  | State: Checked              |                   | Quality:          |
|                                   | Ag 328.068        | Al_R 396.152      | As 189.042          | B 249.677        | Ba 230.424                  | Ca_R 317.933      | Co 228.616        |
| Int Mean                          | 67655.00000       | 59909.10000       | 4758.030000         | 11915.00000      | 11150.40000                 | 125686            | 10617.60000       |
| Int RSD                           | 0.6583519         | 1.2714763         | 0.5519070           | 1.6569450        | 0.1715042                   | 0.5618661         | 0.3416686         |
| Int SD                            | 445.4080000       | 761.7300000       | 26.2599000          | 197.4250000      | 19.1234000                  | 706.1870000       | 36.2770000        |
| RelInt Mean                       | 0.0000460         | 0.0000266         | -0.0000326          | 0.0003000        | 0.0000903                   | 0.0031578         | 0.0000198         |
| RelInt RSD                        | 6.1290968         | 43.6015424        | 56.2707040          | 42.7387123       | 1.0400039                   | 0.5982076         | 133.1871589       |
| RelInt SD                         | 0.0000028         | 0.0000116         | 0.0000183           | 0.0001282        | 0.0000009                   | 0.0000189         | 0.0000263         |
| Conc Mean                         | <0.0003547[mg/l]  | <0.0008464[mg/l]  | <0.0004639[mg/l]    | <0.0002549[mg/l] | <0.0001046[mg/l]            | <-0.0045999[mg/l] | <-0.0000168[mg/l] |
| Conc RSD                          | 29.1146450        | 100.1455654       | 200.6510515         | 545.9421285      | 2.6988080                   | 15.7803213        | 791.1866995       |
| Conc SD                           | 0.0001033[mg/l]   | 0.0008476[mg/l]   | 0.0009307[mg/l]     | 0.0013915[mg/l]  | 0.0000028[mg/l]             | 0.0007259[mg/l]   | 0.0001326[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                          | 10967.00000       | 65649.80000       | 16938.40000         | 12959.90000      | 77987.70000                 | 12890.40000       | 6494.480000       |
| Int RSD                           | 0.2080368         | 1.0389811         | 2.2115430           | 2.0954714        | 0.6700480                   | 0.3421639         | 0.3536727         |
| Int SD                            | 22.8154000        | 682.0890000       | 374.6000000         | 271.5710000      | 522.5550000                 | 44.1063000        | 22.9692000        |
| RelInt Mean                       | 0.0000225         | 0.0001092         | 0.0022212           | 0.0000500        | 0.0005363                   | 0.0002102         | 0.0001732         |
| RelInt RSD                        | 179.7563390       | 1.4718154         | 8.3779416           | 3.4600722        | 1.4890152                   | 16.1834473        | 12.4567542        |
| RelInt SD                         | 0.0000405         | 0.0000016         | 0.0001861           | 0.0000017        | 0.0000080                   | 0.0000340         | 0.0000216         |
| Conc Mean                         | <0.0003407[mg/l]  | <-0.0000913[mg/l] | 0.0063444[mg/l]     | 0.0057302[mg/l]  | <0.0036130[mg/l]            | <-0.0000324[mg/l] | 0.0010813[mg/l]   |
| Conc RSD                          | 73.8654106        | 55.9766812        | 9.7622455           | 7.5342526        | 70.0724048                  | 67.1206310        | 15.8296648        |
| Conc SD                           | 0.0002517[mg/l]   | 0.0000511[mg/l]   | 0.0006194[mg/l]     | 0.0004317[mg/l]  | 0.0025317[mg/l]             | 0.0000217[mg/l]   | 0.0001712[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                          | 45671.90000       | 11360.50000       | 9988.510000         | 6951.450000      | 5150.970000                 | 4889.820000       | 62735.00000       |
| Int RSD                           | 1.8470613         | 0.2413881         | 0.4140878           | 0.0417665        | 0.7365137                   | 1.1753480         | 0.7566988         |
| Int SD                            | 843.5880000       | 27.4229000        | 41.3612000          | 2.9033800        | 37.9376000                  | 57.4724000        | 474.7150000       |
| RelInt Mean                       | 0.0002868         | 0.0000528         | -0.0001136          | -0.0000365       | 0.0000047                   | 0.0000744         | 0.0002559         |
| RelInt RSD                        | 8.0837657         | 74.7483158        | 35.5551446          | 37.5888953       | 436.4558728                 | 36.0923256        | 2.9350255         |
| RelInt SD                         | 0.0000232         | 0.0000395         | 0.0000404           | 0.0000137        | 0.0000204                   | 0.0000268         | 0.0000075         |
| Conc Mean                         | <-0.0017752[mg/l] | <0.0008198[mg/l]  | <0.0000146[mg/l]    | <0.0002022[mg/l] | <0.0007174[mg/l]            | <0.0004970[mg/l]  | <-0.0070623[mg/l] |
| Conc RSD                          | 46.0279513        | 37.2910509        | 9109.495060         | 320.5259592      | 192.4112215                 | 107.4980535       | 0.5734562         |
| Conc SD                           | 0.0008171[mg/l]   | 0.0003057[mg/l]   | 0.0013278[mg/l]     | 0.0006480[mg/l]  | 0.0013803[mg/l]             | 0.0005343[mg/l]   | 0.0000405[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                          | 81477.80000       | 4772.520000       | 18083.50000         | 1795820          | 33119700                    | 27657600          | 7704.680000       |
| Int RSD                           | 10.6490848        | 0.4556230         | 0.8773633           | 0.5445028        | 1.6894416                   | 0.5099973         | 1.1148886         |
| Int SD                            | 8676.640000       | 21.7447000        | 158.6580000         | 9778.290000      | 559538                      | 141053            | 85.8986000        |
| RelInt Mean                       | 0.0002735         | -0.0000152        | 0.0000527           | ---              | ---                         | ---               | 0.0005332         |
| RelInt RSD                        | 98.4071392        | 87.2722233        | 1.9271300           | ---              | ---                         | ---               | 11.8573376        |
| RelInt SD                         | 0.0002692         | 0.0000132         | 0.0000010           | ---              | ---                         | ---               | 0.0000632         |
| Conc Mean                         | 0.0022277[mg/l]   | <0.0005398[mg/l]  | <-0.0004826[mg/l]   | 1783450          | 33020500                    | 27581500          | <-0.0015878[mg/l] |
| Conc RSD                          | 104.8488603       | 157.5633739       | 33.5609797          | ---              | ---                         | ---               | 13.0460878        |
| Conc SD                           | 0.0023358[mg/l]   | 0.0008505[mg/l]   | 0.0001620[mg/l]     | 9825.730000      | 559161                      | 141464            | 0.0002072[mg/l]   |
|                                   | Be_R 313.107      | Li_R 670.780      | Si 251.612          | P 177.495        | Cd 228.802                  | S 182.034         |                   |
| Int Mean                          | 38309.70000       | 35075.50000       | 13105.70000         | 4766.470000      | 10707.10000                 | 4869.300000       |                   |
| Int RSD                           | 1.5901221         | 1.3503043         | 1.8190024           | 2.2103779        | 0.5534038                   | 1.2550408         |                   |
| Int SD                            | 609.1710000       | 473.6260000       | 238.3930000         | 105.3570000      | 59.2535000                  | 61.1117000        |                   |
| RelInt Mean                       | -0.0004780        | 0.0000341         | 0.0006612           | 0.0002507        | 0.0000814                   | -0.0001306        |                   |
| RelInt RSD                        | 2.3241051         | 3.2735568         | 8.4818142           | 23.7012365       | 39.9223549                  | 32.4619365        |                   |
| RelInt SD                         | 0.0000111         | 0.0000011         | 0.0000561           | 0.0000594        | 0.0000325                   | 0.0000424         |                   |
| Conc Mean                         | <0.0000809[mg/l]  | <-0.0002579[mg/l] | <-0.0001683[mg/l]   | <0.0009541[mg/l] | <0.0000360[mg/l]            | <0.0052610[mg/l]  |                   |
| Conc RSD                          | 33.7084733        | 1.0100490         | 479.1303573         | 169.0564954      | 300.3105616                 | 69.2079453        |                   |
| Conc SD                           | 0.0000273[mg/l]   | 0.0000026[mg/l]   | 0.0008066[mg/l]     | 0.0016130[mg/l]  | 0.0001080[mg/l]             | 0.0036410[mg/l]   |                   |



Enthalpy Analytical  
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Orange, CA 92868  
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enthalpy.com

Lab Job Number : 506863  
Report Level : II  
Report Date : 04/24/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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<br>Rincon<br>Consultants<br>449 15th Street<br>#303<br>Oakland, CA<br>94612 | Lab Job #: 506863<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 04/22/24 |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|

| Sample ID                                     | Lab ID     | Collected      | Matrix |
|-----------------------------------------------|------------|----------------|--------|
| ARCH-C14E-DG-5 TO 5.5-240422-L-FB             | 506863-001 | 04/22/24 07:50 | Wipe   |
| ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-L-LA | 506863-002 | 04/22/24 08:00 | Wipe   |
| ARCH-C14E-PS-5.5-240422-L-G                   | 506863-003 | 04/22/24 08:05 | Wipe   |
| ARCH-C14E-EXT-5 TO 6-240422-L-WF              | 506863-004 | 04/22/24 08:15 | Wipe   |
| ARCH-C14E-DG-5.5 TO 6-240422-L-FB             | 506863-005 | 04/22/24 08:25 | Wipe   |
| ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB         | 506863-006 | 04/22/24 08:25 | Wipe   |
| ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-L-LA | 506863-007 | 04/22/24 08:40 | Wipe   |
| ARCH-C14E-DG-6 TO 6.5-240422-L-FB             | 506863-008 | 04/22/24 08:50 | Wipe   |
| ARCH-C14E-PS-6.5-240422-L-G                   | 506863-009 | 04/22/24 09:05 | Wipe   |
| ARCH-C14E-DG-6.5 TO 7-240422-L-FB             | 506863-010 | 04/22/24 09:10 | Wipe   |
| ARCH-C14E-PS-7'-240422-L-G                    | 506863-011 | 04/22/24 09:15 | Wipe   |
| ARCH-C14E-INT-7 TO 7.5-240422-L-WF            | 506863-012 | 04/22/24 09:30 | Wipe   |
| ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-L-LA   | 506863-013 | 04/22/24 09:45 | Wipe   |
| ARCH-C14E-EXT-8 TO 9-240422-L-WF              | 506863-014 | 04/22/24 10:00 | Wipe   |
| 240422-L-FIELDBLANK2-LO                       | 506863-015 | 04/22/24 07:45 | Wipe   |
| 240422-L-MEDBLANK2-LO                         | 506863-016 | 04/22/24 11:25 | Wipe   |
| ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-L-LA   | 506863-017 | 04/22/24 09:50 | Wipe   |
| ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB         | 506863-018 | 04/22/24 08:50 | Wipe   |

## Case Narrative

---

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

Lab Job 506863  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 04/22/24

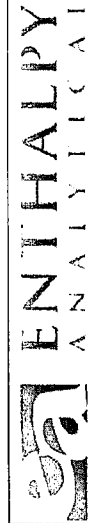
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- This data package contains sample and QC results for eighteen wipe samples, requested for the above referenced project on 04/23/24. The samples were received cold and intact.
- This report was revised and reissued on 4/24/24 to correct a sample ID.

### **Metals (EPA 6010B):**

No analytical problems were encountered.

506863



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: 1 of 2                                                                                                                                              |  |               |  | Standard: 5 Day: 1 Day: X (Pb) 3 Day: Custom TAT:                                                                                                                                             |  |                      |  |
| Page: 1                                                                                                                                                     |  |               |  | Sample Receipt Temp: (for use only)                                                                                                                                                           |  |                      |  |
| Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other |  |               |  | Preservatives:<br>1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub><br>4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other<br>Report: Level II data validation |  |                      |  |
| PROJECT INFORMATION                                                                                                                                         |  |               |  | Analysis Request                                                                                                                                                                              |  |                      |  |
| Quote #: RIN031721                                                                                                                                          |  |               |  | Confirmation Wipe Samples - Level II<br>Report/Stage 2A Validation                                                                                                                            |  |                      |  |
| Proj. Name: Hanger 1 - NCTRA WP                                                                                                                             |  |               |  | Report lead concentrations on a µg/l2 basis                                                                                                                                                   |  |                      |  |
| Proj. #: 20-10491                                                                                                                                           |  |               |  | Report Aroclor 1268 concentrations in addition to the standard Aroclors                                                                                                                       |  |                      |  |
| P.O. #: 158 Cody Road, Mountain View, CA                                                                                                                    |  |               |  | Wipe samples collected from Zone 7 Enclosure A/B (Low Occupancy)                                                                                                                              |  |                      |  |
| Address: 158 Cody Road, Mountain View, CA                                                                                                                   |  |               |  |                                                                                                                                                                                               |  |                      |  |
| Global ID:                                                                                                                                                  |  |               |  |                                                                                                                                                                                               |  |                      |  |
| Sampled By: T. Sinnott                                                                                                                                      |  |               |  |                                                                                                                                                                                               |  |                      |  |
| Sample ID                                                                                                                                                   |  |               |  | Lead - EPA Method 3050/6010B                                                                                                                                                                  |  |                      |  |
| Sampling Date                                                                                                                                               |  | Sampling Time |  | Matrix                                                                                                                                                                                        |  | Container No. / Size |  |
| 4/22/2024                                                                                                                                                   |  | 0750          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0800          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0805          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0815          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0825          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0825          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0840          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0840          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0850          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0905          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0910          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0915          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0930          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| 4/22/2024                                                                                                                                                   |  | 0945          |  | WP                                                                                                                                                                                            |  | 1                    |  |
| Signature                                                                                                                                                   |  |               |  | Company / Title                                                                                                                                                                               |  |                      |  |
| Relinquished By: [Signature]                                                                                                                                |  |               |  | Ramon / Env. Scientist                                                                                                                                                                        |  |                      |  |
| Received By: [Signature]                                                                                                                                    |  |               |  | 4/22/24 13:55                                                                                                                                                                                 |  |                      |  |
| Relinquished By: [Signature]                                                                                                                                |  |               |  | 4/22/24 13:55                                                                                                                                                                                 |  |                      |  |
| Received By: [Signature]                                                                                                                                    |  |               |  | 4/22/24 16:45                                                                                                                                                                                 |  |                      |  |
| Relinquished By: [Signature]                                                                                                                                |  |               |  | 4/22/24 18:46                                                                                                                                                                                 |  |                      |  |
| Received By: [Signature]                                                                                                                                    |  |               |  | 4/23/24 10:35                                                                                                                                                                                 |  |                      |  |



[illegible]

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



# ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

|                                |                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------|
| <b>Section 1</b>               |                                                                                             |
| Client: <u>RINCON</u>          | Project: <u>HANGAR 1 - NCTRA WP</u>                                                         |
| Date Received: <u>04/23/24</u> | Sampler's Name Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

|                                                                                                                                                                                                                                                                                              |                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Section 2</b>                                                                                                                                                                                                                                                                             |                                      |
| Sample(s) received in a cooler? <input checked="" type="checkbox"/> Yes, How many? <u>1</u> <input type="checkbox"/> No (skip section 2)                                                                                                                                                     | Sample Temp (°C) (No Cooler) : _____ |
| Sample Temp (°C), One from each cooler: #1: <u>2.4</u> #2: _____ #3: _____ #4: _____                                                                                                                                                                                                         |                                      |
| <small>(Acceptance range is &lt;6°C but not frozen (for Microbiology samples, acceptance range is &lt;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.)</small> |                                      |
| Shipping Information: _____                                                                                                                                                                                                                                                                  |                                      |

|                             |                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Section 3</b>            |                                                                                                                                                                                                                                                         |
| Was the cooler packed with: | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Bubble Wrap <input type="checkbox"/> Styrofoam<br><input type="checkbox"/> Paper <input type="checkbox"/> None <input type="checkbox"/> Other _____ |
| Cooler Temp (°C):           | #1: <u>1.7</u> #2: _____ #3: _____ #4: _____                                                                                                                                                                                                            |

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

|                                                         |
|---------------------------------------------------------|
| <b>Section 5</b> Explanations/Comments<br><u>506863</u> |
|---------------------------------------------------------|

|                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Section 6</b>                                                                                                                                                                                 |
| For discrepancies, how was the Project Manager notified? <input type="checkbox"/> Verbal PM Initials: _____ Date/Time: _____<br><input type="checkbox"/> Email (email sent to/on): _____ / _____ |
| Project Manager's response:<br><br>                                                                                                                                                              |

Completed By: \_\_\_\_\_

Date: 4/23/24

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

SOUTHWEST AIRLINES

Printed on:  
22 APR 20:03

526 OAK 1194 1893



**SNA**

PC#  
3 OF

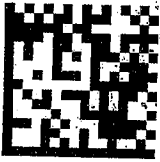
14

DG  
G

LOT WT  
520 LB  
(235.9 KG)

OAK WN 6043 23 APR 07:25

STN FLT DATE ETD LOT 01



PC ID: 0003  
PC WT: 37LB

526 11941893 0003

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## Lead

|                                                                |                           |                                 |                            |
|----------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 506863                                           |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14E-DG-5 TO 5.5-240422-L-FB             | <b>Batch#:</b> 338551     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/22/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 506863-001                                      | <b>Received:</b> 04/22/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/23/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/23/24 |                                 |                            |
| <b>506863-001 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>20</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-L-LA |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-002                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-002 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>20</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-PS-5.5-240422-L-G                   |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-003                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-003 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>330</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-EXT-5 TO 6-240422-L-WF              |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-004                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-004 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>26</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-DG-5.5 TO 6-240422-L-FB             |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-005                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-005 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>100</b>                      | 0.50 ug/ft2                |



## Lead

|                                                                |                           |                                 |                            |
|----------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 506863                                           |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                              |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB         | <b>Batch#:</b> 338551     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                            | <b>Sampled:</b> 04/22/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 506863-006                                      | <b>Received:</b> 04/22/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                            | <b>Prepared:</b> 04/23/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                         | <b>Analyzed:</b> 04/23/24 |                                 |                            |
| <b>506863-006 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>51</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-L-LA |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-007                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-007 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>180</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-DG-6 TO 6.5-240422-L-FB             |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-008                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                         |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-008 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>20</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-PS-6.5-240422-L-G                   |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-009                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 5.000                                         |                           | <b>Analyzed:</b> 04/24/24       |                            |
| <b>506863-009 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>760</b>                      | 0.91 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-DG-6.5 TO 7-240422-L-FB             |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                            |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-010                                      |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                            |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 5.000                                         |                           | <b>Analyzed:</b> 04/24/24       |                            |
| <b>506863-010 Analyte</b>                                      |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                    |                           | <b>640</b>                      | 0.94 ug/ft2                |

## Lead

|                                                              |                           |                                 |                            |
|--------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 506863                                         |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                            |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> ARCH-C14E-PS-7'-240422-L-G                  | <b>Batch#:</b> 338551     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                          | <b>Sampled:</b> 04/22/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 506863-011                                    | <b>Received:</b> 04/22/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                          | <b>Prepared:</b> 04/23/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                       | <b>Analyzed:</b> 04/23/24 |                                 |                            |
| <b>506863-011 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>150</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-INT-7 TO 7.5-240422-L-WF          |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-012                                    |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-012 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>96</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-L-LA |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-013                                    |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-013 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>230</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> ARCH-C14E-EXT-8 TO 9-240422-L-WF            |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-014                                    |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-014 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>180</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> 240422-L-FIELDBLANK2-LO                     |                           | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          |                           | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-015                                    |                           | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          |                           | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                                       |                           | <b>Analyzed:</b> 04/23/24       |                            |
| <b>506863-015 Analyte</b>                                    |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                  |                           | <b>0.81</b>                     | 0.50 ug/ft2                |

## Lead

|                                        |  |                                 |                            |
|----------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 506863                   |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants      |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> 240422-L-MEDBLANK2-LO |  | <b>Batch#:</b> 338551           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                    |  | <b>Sampled:</b> 04/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-016              |  | <b>Received:</b> 04/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                    |  | <b>Prepared:</b> 04/23/24       |                            |
| <b>Diln Fac:</b> 1.000                 |  | <b>Analyzed:</b> 04/23/24       |                            |

| 506863-016 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | ND     | 0.50 | ug/ft2 |

|                                                              |                           |                            |
|--------------------------------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-L-LA | <b>Batch#:</b> 338551     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                          | <b>Sampled:</b> 04/22/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-017                                    | <b>Received:</b> 04/22/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                          | <b>Prepared:</b> 04/23/24 |                            |
| <b>Diln Fac:</b> 1.000                                       | <b>Analyzed:</b> 04/23/24 |                            |

| 506863-017 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 290    | 0.50 | ug/ft2 |

|                                                        |                           |                            |
|--------------------------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB | <b>Batch#:</b> 338551     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                    | <b>Sampled:</b> 04/22/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 506863-018                              | <b>Received:</b> 04/22/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                    | <b>Prepared:</b> 04/23/24 |                            |
| <b>Diln Fac:</b> 1.000                                 | <b>Analyzed:</b> 04/23/24 |                            |

| 506863-018 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 23     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 338551     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1147178 | <b>Prepared:</b> 04/23/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 04/23/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1147178 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend  
**ND:** Not Detected  
**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 506863

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1147179

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 338551

**Prepared:** 04/23/24

**Analyzed:** 04/23/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1147179 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 52.38  | 105  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1147180

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 338551

**Prepared:** 04/23/24

**Analyzed:** 04/23/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1147180 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 52.03  | 104  | 80-120 | ug/ft2 | 1   | 20  |

Legend

**RPD:** Relative Percent  
Difference

# Attachment 4

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ProUCL Input and Output Files



**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
ProUCL Lead Input File

| Sample ID                                   | LeadResults | d_LeadResults |
|---------------------------------------------|-------------|---------------|
| ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-LA | 170         | 1             |
| ARCH-C14W-INT-3.5 TO 4.5-240313-WF          | 1.3         | 1             |
| ARCH-C14W-PS-4.5-240308-G                   | 240         | 1             |
| ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240313-LA | 4.8         | 1             |
| ARCH-C14W-INT-4.5 TO 5.5-240308-WF          | 69          | 1             |
| ARCH-C14W-DG-5 TO 5.5-240308-FB             | 150         | 1             |
| ARCH-C14W-EXT-1 TO 2-240308-WF              | 240         | 1             |
| ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-LA | 99          | 1             |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-LA | 160         | 1             |
| ARCH-C14W-DG-2 TO 2.5-240308-FB             | 53          | 1             |
| ARCH-C14W-PS-2.5-240308-G                   | 230         | 1             |
| ARCH-C14W-DG-2.5 TO 3-240308-FB             | 64          | 1             |
| ARCH-C14W-INT-2.5 TO 3.5-240308-WF          | 220         | 1             |
| ARCH-C14W-DG-4 TO 4.5-240308-FB             | 150         | 1             |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-LA | 11          | 1             |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-LA | 190         | 1             |
| ARCH-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-LA | 33          | 1             |
| ARCH-C14W-PS-5.5-240315-G                   | 77          | 1             |
| ARCH-C14W-DG-5.5 TO 6 240315-FB             | 130         | 1             |
| ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-LA | 86          | 1             |
| ARCH-C14W-EXT-6 TO 7-240315-WF              | 11          | 1             |
| ARCH-C14W-DG-6 TO 6.5-240315-FB             | 43          | 1             |
| ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-LA | 61          | 1             |
| ARCH-C14W-PS-6.5-240315-G                   | 63          | 1             |
| ARCH-C14W-DG-7 TO 7.5-240315-FB             | 11          | 1             |
| ARCH-C14W-PS-7'-240315-G                    | 40          | 1             |
| ARCH-C14W-INT-7 TO 7.5-240315-WF            | 45          | 1             |
| ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-LA   | 85          | 1             |
| ARCH-C14W-EXT-8 TO 9.5-240315-WF            | 58          | 1             |
| ARCH-C14E-INT-3.5 TO 4.5-240412-WF          | 94          | 1             |
| ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-LA | 69          | 1             |
| ARCH-C14E-INT-4.5 TO 5.5-240412-WF          | 130         | 1             |
| ARCH-C14E-EXT-1 TO 2-240412-DUP-WF          | 120         | 1             |
| ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-LA | 280         | 1             |
| ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-LA | 33          | 1             |
| ARCH-C14E-DG-2 TO 2.5-240412-FB             | 8.4         | 1             |
| ARCH-C14E-DG-2.5 TO 3-240412-FB             | 24          | 1             |
| ARCH-C14E-EXT-3 TO 4-240412-WF              | 14          | 1             |
| ARCH-C14E-PS-3.5-240412-G                   | 76          | 1             |
| ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-LA | 32          | 1             |



**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
ProUCL Lead Input File

| Sample ID                                   | LeadResults | d_LeadResults |
|---------------------------------------------|-------------|---------------|
| ARCH-C14E-DG-4 TO 4.5-240412-FB             | 20          | 1             |
| ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-LA | 27          | 1             |
| ARCH-C14E-DG-5 TO 5.5-240422-FB             | 20          | 1             |
| ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-LA | 20          | 1             |
| ARCH-C14E-PS-5.5-240422-G                   | 330         | 1             |
| ARCH-C14E-EXT-5 TO 6-240422-WF              | 26          | 1             |
| ARCH-C14E-DG-5.5 TO 6-240422-FB             | 100         | 1             |
| ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-LA | 180         | 1             |
| ARCH-C14E-DG-6 TO 6.5-240422-DUP-FB         | 23          | 1             |
| ARCH-C14E-PS-6.5-240422-G                   | 760         | 1             |
| ARCH-C14E-DG-6.5 TO 7-240422-FB             | 640         | 1             |
| ARCH-C14E-PS-7'-240422-G                    | 150         | 1             |
| ARCH-C14E-INT-7 TO 7.5-240422-WF            | 96          | 1             |
| ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-LA   | 230         | 1             |
| ARCH-C14E-EXT-8 TO 9-240422-WF              | 180         | 1             |
| ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-LA   | 290         | 1             |



**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
**ProUCL Lead Output File**

| UCL Statistics for Data Sets with Non-Detects |                                   |
|-----------------------------------------------|-----------------------------------|
| User Selected Options                         |                                   |
| Date/Time of Computation                      | ProUCL 5.2 5/6/2024 9:56:25 AM    |
| From File                                     | Z7_LO_Lead_UCL_Input_20240506.xls |
| Full Precision                                | OFF                               |
| Confidence Coefficient                        | 95%                               |
| Number of Bootstrap Operations                | 2000                              |

|                    |
|--------------------|
| <b>LeadResults</b> |
|--------------------|

| General Statistics                       |           |                                          |       |
|------------------------------------------|-----------|------------------------------------------|-------|
| Total Number of Observations             | 56        | Number of Distinct Observations          | 44    |
|                                          |           | Number of Missing Observations           | 0     |
| Minimum                                  | 1.3       | Mean                                     | 120.8 |
| Maximum                                  | 760       | Median                                   | 76.5  |
| SD                                       | 140.5     | Std. Error of Mean                       | 18.78 |
| Coefficient of Variation                 | 1.163     | Skewness                                 | 2.754 |
|                                          |           |                                          |       |
| Normal GOF Test                          |           |                                          |       |
| Shapiro Wilk Test Statistic              | 0.719     | Shapiro Wilk GOF Test                    |       |
| 1% Shapiro Wilk P Value                  | 1.364E-13 | Data Not Normal at 1% Significance Level |       |
| Lilliefors Test Statistic                | 0.197     | Lilliefors GOF Test                      |       |
| 1% Lilliefors Critical Value             | 0.136     | Data Not Normal at 1% Significance Level |       |
| Data Not Normal at 1% Significance Level |           |                                          |       |

| Assuming Normal Distribution |       |                                   |       |
|------------------------------|-------|-----------------------------------|-------|
| 95% Normal UCL               |       | 95% UCLs (Adjusted for Skewness)  |       |
| 95% Student's-t UCL          | 152.3 | 95% Adjusted-CLT UCL (Chen-1995)  | 159.1 |
|                              |       | 95% Modified-t UCL (Johnson-1978) | 153.4 |

| Gamma GOF Test                                                  |        |                                                                 |  |
|-----------------------------------------------------------------|--------|-----------------------------------------------------------------|--|
| A-D Test Statistic                                              | 0.252  | Anderson-Darling Gamma GOF Test                                 |  |
| 5% A-D Critical Value                                           | 0.781  | Detected data appear Gamma Distributed at 5% Significance Level |  |
| K-S Test Statistic                                              | 0.0588 | Kolmogorov-Smirnov Gamma GOF Test                               |  |
| 5% K-S Critical Value                                           | 0.123  | Detected data appear Gamma Distributed at 5% Significance Level |  |
| Detected data appear Gamma Distributed at 5% Significance Level |        |                                                                 |  |

| Gamma Statistics               |        |                                     |       |
|--------------------------------|--------|-------------------------------------|-------|
| k hat (MLE)                    | 0.968  | k star (bias corrected MLE)         | 0.928 |
| Theta hat (MLE)                | 124.8  | Theta star (bias corrected MLE)     | 130.2 |
| nu hat (MLE)                   | 108.4  | nu star (bias corrected)            | 104   |
| MLE Mean (bias corrected)      | 120.8  | MLE Sd (bias corrected)             | 125.4 |
|                                |        | Approximate Chi Square Value (0.05) | 81.44 |
| Adjusted Level of Significance | 0.0457 | Adjusted Chi Square Value           | 80.91 |





**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
**ProUCL Lead Output File**

| Assuming Gamma Distribution |       |                        |       |
|-----------------------------|-------|------------------------|-------|
| 95% Approximate Gamma UCL   | 154.3 | 95% Adjusted Gamma UCL | 155.3 |

| Lognormal GOF Test                              |        |                                                 |  |
|-------------------------------------------------|--------|-------------------------------------------------|--|
| Shapiro Wilk Test Statistic                     | 0.971  | Shapiro Wilk Lognormal GOF Test                 |  |
| 10% Shapiro Wilk P Value                        | 0.353  | Data appear Lognormal at 10% Significance Level |  |
| Lilliefors Test Statistic                       | 0.0812 | Lilliefors Lognormal GOF Test                   |  |
| 10% Lilliefors Critical Value                   | 0.108  | Data appear Lognormal at 10% Significance Level |  |
| Data appear Lognormal at 10% Significance Level |        |                                                 |  |

| Lognormal Statistics   |       |                     |       |
|------------------------|-------|---------------------|-------|
| Minimum of Logged Data | 0.262 | Mean of logged Data | 4.196 |
| Maximum of Logged Data | 6.633 | SD of logged Data   | 1.233 |

| Assuming Lognormal Distribution |       |                            |       |
|---------------------------------|-------|----------------------------|-------|
| 95% H-UCL                       | 222.5 | 90% Chebyshev (MVUE) UCL   | 224.8 |
| 95% Chebyshev (MVUE) UCL        | 263.8 | 97.5% Chebyshev (MVUE) UCL | 317.9 |
| 99% Chebyshev (MVUE) UCL        | 424.1 |                            |       |

| Nonparametric Distribution Free UCL Statistics   |  |  |  |
|--------------------------------------------------|--|--|--|
| Data appear to follow a Discernible Distribution |  |  |  |

| Nonparametric Distribution Free UCLs |       |                              |       |
|--------------------------------------|-------|------------------------------|-------|
| 95% CLT UCL                          | 151.7 | 95% BCA Bootstrap UCL        | 157.4 |
| 95% Standard Bootstrap UCL           | 150.6 | 95% Bootstrap-t UCL          | 163.5 |
| 95% Hall's Bootstrap UCL             | 176.8 | 95% Percentile Bootstrap UCL | 151.1 |
| 90% Chebyshev(Mean, Sd) UCL          | 177.2 | 95% Chebyshev(Mean, Sd) UCL  | 202.7 |
| 97.5% Chebyshev(Mean, Sd) UCL        | 238.1 | 99% Chebyshev(Mean, Sd) UCL  | 307.7 |

| Suggested UCL to Use      |       |  |  |
|---------------------------|-------|--|--|
| 95% Approximate Gamma UCL | 154.3 |  |  |

|                                                                                                            |  |  |  |
|------------------------------------------------------------------------------------------------------------|--|--|--|
| 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 7  
ProUCL PCBs Input File

| Sample ID                                   | Aroclor<br>1016 | Aroclor<br>1221 | Aroclor<br>1232 | Aroclor<br>1242 | Aroclor<br>1248 | Aroclor<br>1254 | Aroclor<br>1260 | Aroclor<br>1262 | Aroclor<br>1268 | d_Aroclor<br>1016 | d_Aroclor<br>1221 | d_Aroclor<br>1232 | d_Aroclor<br>1242 | d_Aroclor<br>1248 | d_Aroclor<br>1254 | d_Aroclor<br>1260 | d_Aroclor<br>1262 | d_Aroclor<br>1268 |
|---------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| ARCH-C14W-EXT-1 TO 2-240308-WF              | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14W-DG-2 TO 2.5-240308-FB             | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14W-PS-2.5-240308-G                   | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14W-DG-2.5 TO 3-240308-FB             | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14W-INT-2.5 TO 3.5-240308-WF          | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14W-DG-4 TO 4.5-240308-FB             | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14E-EXT-1 TO 2-240412-WF              | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14E-DG-2 TO 2.5-240412-FB             | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14E-DG-2.5 TO 3-240412-FB             | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14E-EXT-3 TO 4-240412-WF              | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14E-PS-3.5-240412-G                   | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C14E-DG-4 TO 4.5-240412-FB             | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-LA | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | <0.50           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |



**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
**ProUCL PCB Output File**

**UCL Statistics for Data Sets with Non-Detects**

|                                |                                  |
|--------------------------------|----------------------------------|
| User Selected Options          |                                  |
| Date/Time of Computation       | ProUCL 5.2 5/3/2024 11:52:43 AM  |
| From File                      | Z7_LO_PCB_UCL_Input_20240503.xls |
| Full Precision                 | OFF                              |
| Confidence Coefficient         | 95%                              |
| Number of Bootstrap Operations | 2000                             |

**Aroclor 1016**

**General Statistics**

|                              |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**

**Data set is too small to compute reliable and meaningful statistics and estimates!**

**The data set for variable Aroclor 1016 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**

**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**

**Aroclor 1221**

**General Statistics**

|                              |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**

**Data set is too small to compute reliable and meaningful statistics and estimates!**

**The data set for variable Aroclor 1221 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**

**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**



**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
**ProUCL PCB Output File**

**Aroclor 1232**

| General Statistics           |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**  
**Data set is too small to compute reliable and meaningful statistics and estimates!**  
**The data set for variable Aroclor 1232 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**  
**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**

**Aroclor 1242**

| General Statistics           |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**  
**Data set is too small to compute reliable and meaningful statistics and estimates!**  
**The data set for variable Aroclor 1242 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**  
**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**

**Aroclor 1248**

| General Statistics           |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**  
**Data set is too small to compute reliable and meaningful statistics and estimates!**  
**The data set for variable Aroclor 1248 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**  
**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**



**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
**ProUCL PCB Output File**

**Aroclor 1254**

**General Statistics**

|                              |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**

**Data set is too small to compute reliable and meaningful statistics and estimates!**

**The data set for variable Aroclor 1254 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**

**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**

**Aroclor 1260**

**General Statistics**

|                              |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**

**Data set is too small to compute reliable and meaningful statistics and estimates!**

**The data set for variable Aroclor 1260 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**

**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**

**Aroclor 1262**

**General Statistics**

|                              |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

**Warning: This data set only has 0 observations!**

**Data set is too small to compute reliable and meaningful statistics and estimates!**

**The data set for variable Aroclor 1262 was not processed!**

**It is suggested to collect at least 8 to 10 observations before using these statistical methods!**

**If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.**



**Attachment 4**  
**Hangar 1 Data Summary Submittal for the**  
**Low Occupancy Area of Zone 7**  
**ProUCL PCB Output File**

|              |
|--------------|
| Aroclor 1268 |
|--------------|

| General Statistics           |     |                                 |     |
|------------------------------|-----|---------------------------------|-----|
| Total Number of Observations | 0   | Number of Distinct Observations | 0   |
|                              |     | Number of Missing Observations  | 20  |
| Minimum                      | N/A | Mean                            | N/A |
| Maximum                      | N/A | Median                          | N/A |

|                                                                                           |
|-------------------------------------------------------------------------------------------|
| <b>Warning: This data set only has 0 observations!</b>                                    |
| <b>Data set is too small to compute reliable and meaningful statistics and estimates!</b> |
| <b>The data set for variable Aroclor 1268 was not processed!</b>                          |

|                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|
| <b>It is suggested to collect at least 8 to 10 observations before using these statistical methods!</b>         |
| <b>If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.</b> |

# Attachment 5

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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](mailto:rthacher@rinconconsultants.com)

June 17, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on March 28, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

**LDC Project #58665 RV2:**

**SDG #**

**Fraction**

504066, 504073, 504322, 504324, 504368,  
504369, 504506

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](mailto:pgeng@lab-data.com)  
Project Manager/Senior Chemist



Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's.

# Automated Data Review Data Validation Report

## Hangar 1 NTCRA

### Sample Delivery Groups

504066

504073

504322

504324

504368

504369

504506

Only the highlighted SDGs contain samples that were collected within the Low Occupancy Area of Zone 7.

June 14, 2024

## **Introduction**

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the March 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

### **Sample Receipt & Technical Holding Times**

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

### **Initial Calibration and Initial Calibration Verification**

#### **8082**

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

#### **6010B**

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

### **Continuing Calibration**

#### **8082**

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes with the following exceptions:

| SDG    | Date     | Detector/<br>Column | Analyte      | %D | Associated<br>Samples                                                                                                                                                                                                                                                                                                                                                                    | Affected<br>Analyte                                                          | Flag                                                                                                                 | A or P |
|--------|----------|---------------------|--------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------|
| 504073 | 03/12/24 | Ch B                | Aroclor-1260 | 16 | ARCH-C14W-EXT-1 TO 2-240308-P-WF<br>ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA<br>ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA<br>ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA<br>ARCH-C14W-DG-2 TO 2.5-240308-P-FB<br>ARCH-C14W-PS-2.5-240308-P-G<br>ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA<br>240308-P-FIELDBLANK1-LO<br>ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240305-P-LA | Aroclor-1248<br>Aroclor-1254<br>Aroclor-1260<br>Aroclor-1262<br>Aroclor-1268 | UJ (all non-detects)<br>UJ (all non-detects)<br>UJ (all non-detects)<br>UJ (all non-detects)<br>UJ (all non-detects) | A      |

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

#### 6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

#### **ICP Interference Check Sample Analysis**

#### 6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

#### **Laboratory Blanks**

#### 8082

Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

#### 6010B

Laboratory blanks were performed as required by the method. One laboratory blank had detection for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the field blanks and were not qualified. The details are presented in Enclosure I.

#### **Field Blanks**

#### 8082

Two field blanks were collected and analyzed. No contaminants were found.

#### 6010B

Four media blanks were collected and analyzed. No contaminants were found.

Four field blanks were collected and analyzed. Two field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

#### **Surrogate Spikes**

#### 8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

| SDG    | Sample                  | Column | Surrogate                                  | %R (19-121) | Affected Analyte | Flag | A or P |
|--------|-------------------------|--------|--------------------------------------------|-------------|------------------|------|--------|
| 504073 | 240308-P-FIELDBLANK1-LO | Ch A   | Tetrachloro-m-xylene<br>Decachlorobiphenyl | 125<br>124  | All analytes     | NA   | -      |

Although the above listed %Rs flagged "NA" demonstrate a high bias, the affected analytes in the associated samples were non-detected and did not warrant the qualification of the data.

### **Internal Standards**

#### **8082**

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

### **Matrix Spike/Matrix Spike Duplicates**

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

### **Duplicate Sample Analysis**

#### **6010B**

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

### **Laboratory Control Samples**

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

### **Field Duplicates**

#### **8082**

Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

#### **6010B**

Six field duplicate pairs were collected and analyzed. Six field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

### **Target Analyte Quantitation**

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

### **Overall Assessment of Data**

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

## **Attachment 1**

### **Sample Summary Report by Analysis Method**



# *Data Review Sample Summary Report by Analysis Method*

Reviewed By: Blake Newell (4/15/2024)

Approved By:

Laboratory: Enthalpy Orange

| <i>Client Sample ID</i> | <i>Lab Sample ID</i> | <i>Matrix</i> | <i>Sample Type</i> | <i>Preparation Method</i> | <i>Collection Date</i> | <i>Validation Code</i> |
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|

Lab Reporting Batch: 504066

Method: 6010B

|                                               |            |      |    |       |                      |       |
|-----------------------------------------------|------------|------|----|-------|----------------------|-------|
| 240308-L-FIELDBLANK1-LO                       | 504066-007 | WIPE | FB | 3050B | 3/8/2024 7:45:00 AM  | S2AVE |
| 240308-L-MEDBLANK1-LO                         | 504066-008 | WIPE | FB | 3050B | 3/8/2024 11:30:00 AM | S2AVE |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-L-LA | 504066-001 | WIPE | N  | 3050B | 3/8/2024 9:40:00 AM  | S2AVE |
| ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA | 504066-004 | WIPE | N  | 3050B | 3/8/2024 10:00:00 AM | S2AVE |
| ARCH-C14W-DG-5 TO 5.5-240308-L-FB             | 504066-006 | WIPE | N  | 3050B | 3/8/2024 10:15:00 AM | S2AVE |
| ARCH-C14W-INT-3.5 TO 4.5-240308-L-WF          | 504066-002 | WIPE | N  | 3050B | 3/8/2024 10:25:00 AM | S2AVE |
| ARCH-C14W-INT-4.5 TO 5.5-240308-L-WF          | 504066-005 | WIPE | N  | 3050B | 3/8/2024 10:10:00 AM | S2AVE |
| ARCH-C14W-PS-4.5-240308-L-G                   | 504066-003 | WIPE | N  | 3050B | 3/8/2024 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> |
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|

Lab Reporting Batch: 504073

**Method: 6010B**

|                                               |            |      |    |       |                     |       |
|-----------------------------------------------|------------|------|----|-------|---------------------|-------|
| ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA | 504073-005 | WIPE | N  | 3050B | 3/8/2024 8:00:00 AM | S3VEM |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | 504073-008 | WIPE | N  | 3050B | 3/8/2024 8:15:00 AM | S3VEM |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA | 504073-022 | WIPE | N  | 3050B | 3/8/2024 9:30:00 AM | S3VEM |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA | 504073-020 | WIPE | N  | 3050B | 3/8/2024 9:10:00 AM | S3VEM |
| ARCH-C14W-DG-2 TO 2.5-240308-L-FB             | 504073-010 | WIPE | N  | 3050B | 3/8/2024 8:25:00 AM | S3VEM |
| ARCH-C14W-DG-2.5 TO 3-240308-L-FB             | 504073-014 | WIPE | N  | 3050B | 3/8/2024 8:45:00 AM | S3VEM |
| ARCH-C14W-DG-4 TO 4.5-240308-L-FB             | 504073-018 | WIPE | N  | 3050B | 3/8/2024 9:20:00 AM | S3VEM |
| ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF          | 504073-003 | WIPE | FD | 3050B | 3/8/2024 7:40:00 AM | S3VEM |
| ARCH-C14W-EXT-1 TO 2-240308-L-WF              | 504073-002 | WIPE | N  | 3050B | 3/8/2024 7:40:00 AM | S3VEM |
| ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF          | 504073-016 | WIPE | N  | 3050B | 3/8/2024 8:55:00 AM | S3VEM |
| ARCH-C14W-PS-2.5-240308-L-G                   | 504073-012 | WIPE | N  | 3050B | 3/8/2024 8:40:00 AM | S3VEM |

**Method: 8082**

|                                                   |            |      |    |      |                     |       |
|---------------------------------------------------|------------|------|----|------|---------------------|-------|
| 240308-P-FIELDBLANK1-LO                           | 504073-023 | WIPE | FB | 3546 | 3/8/2024 7:45:00 AM | S3VEM |
| ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA     | 504073-004 | WIPE | N  | 3546 | 3/8/2024 8:00:00 AM | S3VEM |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA | 504073-007 | WIPE | FD | 3546 | 3/8/2024 8:15:00 AM | S3VEM |
| ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA     | 504073-006 | WIPE | N  | 3546 | 3/8/2024 8:15:00 AM | S3VEM |
| ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA     | 504073-021 | WIPE | N  | 3546 | 3/8/2024 9:30:00 AM | S3VEM |
| ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA     | 504073-019 | WIPE | N  | 3546 | 3/8/2024 9:10:00 AM | S3VEM |
| ARCH-C14W-DG-2 TO 2.5-240308-P-FB                 | 504073-009 | WIPE | N  | 3546 | 3/8/2024 8:25:00 AM | S3VEM |

# ***Data Review Sample Summary Report by Analysis Method***

**Reviewed By:**

**Approved By:**

**Laboratory: Enthalpy Orange**

| <i><b>Client Sample ID</b></i>          | <i><b>Lab Sample ID</b></i> | <i><b>Matrix</b></i> | <i><b>Sample Type</b></i> | <i><b>Preparation<br/>Method</b></i> | <i><b>Collection Date</b></i> | <i><b>Validation Code</b></i> |
|-----------------------------------------|-----------------------------|----------------------|---------------------------|--------------------------------------|-------------------------------|-------------------------------|
| <b>Method: 8082</b>                     |                             |                      |                           |                                      |                               |                               |
| ARCH-C14W-DG-2.5 TO<br>3-240308-P-FB    | 504073-013                  | WIPE                 | N                         | 3546                                 | 3/8/2024 8:45:00 AM           | S3VEM                         |
| ARCH-C14W-DG-4 TO<br>4.5-240308-P-FB    | 504073-017                  | WIPE                 | N                         | 3546                                 | 3/8/2024 9:20:00 AM           | S3VEM                         |
| ARCH-C14W-EXT-1 TO<br>2-240308-P-WF     | 504073-001                  | WIPE                 | N                         | 3546                                 | 3/8/2024 7:40:00 AM           | S3VEM                         |
| ARCH-C14W-INT-2.5 TO<br>3.5-240308-P-WF | 504073-015                  | WIPE                 | N                         | 3546                                 | 3/8/2024 8:55:00 AM           | S3VEM                         |
| ARCH-C14W-PS-2.5-240308-<br>P-G         | 504073-011                  | WIPE                 | N                         | 3546                                 | 3/8/2024 8:40:00 AM           | S3VEM                         |

*Data Review Sample Summary Report by Analysis Method*

Reviewed By: Blake Newell (4/15/2024)

Approved By:

Laboratory: Enthalpy Orange

| <i>Client Sample ID</i> | <i>Lab Sample ID</i> | <i>Matrix</i> | <i>Sample Type</i> | <i>Preparation Method</i> | <i>Collection Date</i> | <i>Validation Code</i> |
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|

Lab Reporting Batch: 504322

Method: 6010B

|                                                   |            |      |   |       |                      |       |
|---------------------------------------------------|------------|------|---|-------|----------------------|-------|
| ARCH-C13W-DG-5 TO 5.5-<br>UP-C13.6-VS-240313-L-LA | 504322-002 | WIPE | N | 3050B | 3/13/2024 9:25:00 AM | S2AVE |
| ARCH-C14W-INT-3.5 TO<br>4.5-240313-L-WF           | 504322-001 | WIPE | N | 3050B | 3/13/2024 9:15:00 AM | S2AVE |

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** Blake Newell (4/15/2024)

**Approved By:**

**Laboratory:** Enthalpy Orange

| <i>Client Sample ID</i> | <i>Lab Sample ID</i> | <i>Matrix</i> | <i>Sample Type</i> | <i>Preparation Method</i> | <i>Collection Date</i> | <i>Validation Code</i> |
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|

**Lab Reporting Batch:** 504324

**Method:** 6010B

|                                                   |            |      |   |       |                      |       |
|---------------------------------------------------|------------|------|---|-------|----------------------|-------|
| ARCH-C13W-DG-4 TO 4.5-<br>UP-C13.4-DG-240313-L-LA | 504324-001 | WIPE | N | 3050B | 3/13/2024 9:05:00 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> |
|---------------------------------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
| <b>Lab Reporting Batch: 504368</b>                |                      |               |                    |                           |                        |                        |
| <b>Method: 6010B</b>                              |                      |               |                    |                           |                        |                        |
| 240315-L-FIELDBLANK2-LO                           | 504368-016           | WIPE          | FB                 | 3050B                     | 3/15/2024 8:25:00 AM   | S2AVE                  |
| 240315-L-MEDBLANK2-LO                             | 504368-017           | WIPE          | FB                 | 3050B                     | 3/15/2024 1:35:00 PM   | S2AVE                  |
| ARCH-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-L-LA     | 504368-001           | WIPE          | N                  | 3050B                     | 3/15/2024 8:10:00 AM   | S2AVE                  |
| ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-L-LA     | 504368-005           | WIPE          | N                  | 3050B                     | 3/15/2024 8:45:00 AM   | S2AVE                  |
| ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-DUP-LA | 504368-009           | WIPE          | FD                 | 3050B                     | 3/15/2024 9:05:00 AM   | S2AVE                  |
| ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-LA     | 504368-008           | WIPE          | N                  | 3050B                     | 3/15/2024 9:05:00 AM   | S2AVE                  |
| ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-L-LA       | 504368-014           | WIPE          | N                  | 3050B                     | 3/15/2024 9:55:00 AM   | S2AVE                  |
| ARCH-C14W-DG-5.5 TO 6 240315-L-DUP-FB             | 504368-004           | WIPE          | FD                 | 3050B                     | 3/15/2024 8:30:00 AM   | S2AVE                  |
| ARCH-C14W-DG-5.5 TO 6 240315-L-FB                 | 504368-003           | WIPE          | N                  | 3050B                     | 3/15/2024 8:30:00 AM   | S2AVE                  |
| ARCH-C14W-DG-6 TO 6.5-240315-L-FB                 | 504368-007           | WIPE          | N                  | 3050B                     | 3/15/2024 9:00:00 AM   | S2AVE                  |
| ARCH-C14W-DG-7 TO 7.5-240315-L-FB                 | 504368-011           | WIPE          | N                  | 3050B                     | 3/15/2024 9:20:00 AM   | S2AVE                  |
| ARCH-C14W-EXT-6 TO 7-240315-L-WF                  | 504368-006           | WIPE          | N                  | 3050B                     | 3/15/2024 8:50:00 AM   | S2AVE                  |
| ARCH-C14W-EXT-8 TO 9.5-240315-L-WF                | 504368-015           | WIPE          | N                  | 3050B                     | 3/15/2024 10:00:00 AM  | S2AVE                  |
| ARCH-C14W-INT-7 TO 7.5-240315-L-WF                | 504368-013           | WIPE          | N                  | 3050B                     | 3/15/2024 9:40:00 AM   | S2AVE                  |
| ARCH-C14W-PS-5.5-240315-L-G                       | 504368-002           | WIPE          | N                  | 3050B                     | 3/15/2024 8:20:00 AM   | S2AVE                  |
| ARCH-C14W-PS-6.5-240315-L-G                       | 504368-010           | WIPE          | N                  | 3050B                     | 3/15/2024 9:15:00 AM   | S2AVE                  |
| ARCH-C14W-PS-7-240315-L-G                         | 504368-012           | WIPE          | N                  | 3050B                     | 3/15/2024 9:30:00 AM   | S2AVE                  |

# Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

| Client Sample ID | Lab Sample ID | Matrix | Sample Type | Preparation Method | Collection Date | Validation Code |
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|

Lab Reporting Batch: 504369

Method: 6010B

|                                             |            |      |    |       |                       |       |
|---------------------------------------------|------------|------|----|-------|-----------------------|-------|
| 240315-L-FIELDBLANK1-HO                     | 504369-021 | WIPE | FB | 3050B | 3/15/2024 8:55:00 AM  | S2AVE |
| 240315-L-FIELDBLANK2-HO                     | 504369-023 | WIPE | FB | 3050B | 3/15/2024 10:25:00 AM | S2AVE |
| 240315-L-MEDBLANK1-HO                       | 504369-022 | WIPE | FB | 3050B | 3/15/2024 1:28:00 PM  | S2AVE |
| 240315-L-MEDBLANK2-HO                       | 504369-024 | WIPE | FB | 3050B | 3/15/2024 1:30:00 PM  | S2AVE |
| AFRAME-C13W-LAT-L1-DN-C13.7-DG-240315-L-CB  | 504369-020 | WIPE | N  | 3050B | 3/15/2024 11:10:00 AM | S2AVE |
| AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-L-LA  | 504369-016 | WIPE | N  | 3050B | 3/15/2024 10:45:00 AM | S2AVE |
| AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-L-CB  | 504369-017 | WIPE | N  | 3050B | 3/15/2024 10:55:00 AM | S2AVE |
| AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-L-LA  | 504369-011 | WIPE | N  | 3050B | 3/15/2024 12:05:00 PM | S2AVE |
| AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-L-LA  | 504369-006 | WIPE | N  | 3050B | 3/15/2024 11:10:00 AM | S2AVE |
| AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-L-I   | 504369-004 | WIPE | N  | 3050B | 3/15/2024 11:20:00 AM | S2AVE |
| AFRAME-C13W-LAT-L2-UP-C13.1-VS-240315-L-I   | 504369-001 | WIPE | N  | 3050B | 3/15/2024 10:55:00 AM | S2AVE |
| AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-L-LA  | 504369-002 | WIPE | N  | 3050B | 3/15/2024 10:45:00 AM | S2AVE |
| AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-L-SS  | 504369-019 | WIPE | N  | 3050B | 3/15/2024 11:20:00 AM | S2AVE |
| AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-L-SS  | 504369-010 | WIPE | N  | 3050B | 3/15/2024 12:20:00 PM | S2AVE |
| AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-L-LA  | 504369-005 | WIPE | N  | 3050B | 3/15/2024 11:25:00 AM | S2AVE |
| AFRAME-C14W-LAT-L1-HS-3-240315-L-A          | 504369-012 | WIPE | N  | 3050B | 3/15/2024 10:35:00 AM | S2AVE |
| AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-L-FB | 504369-003 | WIPE | N  | 3050B | 3/15/2024 11:00:00 AM | S2AVE |
| AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-L-WF   | 504369-018 | WIPE | N  | 3050B | 3/15/2024 11:00:00 AM | S2AVE |
| AFRAME-C14W-MED-L1-HS-3-240315-L-A          | 504369-013 | WIPE | N  | 3050B | 3/15/2024 10:20:00 AM | S2AVE |
| AFRAME-C14W-MED-L1-HS-3-240315-L-DUP-A      | 504369-014 | WIPE | FD | 3050B | 3/15/2024 10:20:00 AM | S2AVE |

4/16/2024 2:22:22 PM

ADR version 1.9.0.325

Page 1 of 3

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 7.

## ***Data Review Sample Summary Report by Analysis Method***

**Reviewed By:**

**Approved By:**

**Laboratory: Enthalpy Orange**

| <i><b>Client Sample ID</b></i> | <i><b>Lab Sample ID</b></i> | <i><b>Matrix</b></i> | <i><b>Sample Type</b></i> | <i><b>Preparation Method</b></i> | <i><b>Collection Date</b></i> | <i><b>Validation Code</b></i> |
|--------------------------------|-----------------------------|----------------------|---------------------------|----------------------------------|-------------------------------|-------------------------------|
|--------------------------------|-----------------------------|----------------------|---------------------------|----------------------------------|-------------------------------|-------------------------------|

**Method: 6010B**

|                                               |            |      |    |       |                       |       |
|-----------------------------------------------|------------|------|----|-------|-----------------------|-------|
| AFRAME-C14W-MED-L1-HS-3-240315-L-G            | 504369-015 | WIPE | N  | 3050B | 3/15/2024 10:30:00 AM | S2AVE |
| AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-DUP-WF | 504369-008 | WIPE | FD | 3050B | 3/15/2024 11:30:00 AM | S2AVE |
| AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-WF     | 504369-007 | WIPE | N  | 3050B | 3/15/2024 11:30:00 AM | S2AVE |
| AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-L-FB   | 504369-009 | WIPE | N  | 3050B | 3/15/2024 11:45:00 AM | S2AVE |

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 7.



# Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (4/15/2024)

Approved By:

Laboratory: Enthalpy Orange

| Client Sample ID | Lab Sample ID | Matrix | Sample Type | Preparation Method | Collection Date | Validation Code |
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|

Lab Reporting Batch: 504506

Method: 6010B

|                                               |            |      |    |       |                       |       |
|-----------------------------------------------|------------|------|----|-------|-----------------------|-------|
| AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I     | 504506-022 | WIPE | N  | 3050B | 3/15/2024 10:30:00 AM | S3VEM |
| AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA    | 504506-018 | WIPE | N  | 3050B | 3/15/2024 10:05:00 AM | S3VEM |
| AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA    | 504506-011 | WIPE | N  | 3050B | 3/15/2024 9:00:00 AM  | S3VEM |
| AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA    | 504506-003 | WIPE | N  | 3050B | 3/15/2024 8:20:00 AM  | S3VEM |
| AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA    | 504506-016 | WIPE | N  | 3050B | 3/15/2024 9:45:00 AM  | S3VEM |
| AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA    | 504506-005 | WIPE | N  | 3050B | 3/15/2024 8:35:00 AM  | S3VEM |
| AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA    | 504506-009 | WIPE | N  | 3050B | 3/15/2024 9:15:00 AM  | S3VEM |
| AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF | 504506-014 | WIPE | FD | 3050B | 3/15/2024 9:30:00 AM  | S3VEM |
| AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF     | 504506-013 | WIPE | N  | 3050B | 3/15/2024 9:30:00 AM  | S3VEM |
| AFRAME-C14W-MED-L2-HS-1-240315-L-G            | 504506-020 | WIPE | N  | 3050B | 3/15/2024 10:10:00 AM | S3VEM |
| AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF     | 504506-007 | WIPE | N  | 3050B | 3/15/2024 8:50:00 AM  | S3VEM |

Method: 8082

|                                                |            |      |    |      |                       |       |
|------------------------------------------------|------------|------|----|------|-----------------------|-------|
| 240315-P-FIELDBLANK1-HO                        | 504506-023 | WIPE | FB | 3546 | 3/15/2024 8:55:00 AM  | S3VEM |
| AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I      | 504506-021 | WIPE | N  | 3546 | 3/15/2024 10:30:00 AM | S3VEM |
| AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-P-LA     | 504506-017 | WIPE | N  | 3546 | 3/15/2024 10:05:00 AM | S3VEM |
| AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA     | 504506-010 | WIPE | N  | 3546 | 3/15/2024 9:00:00 AM  | S3VEM |
| AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA | 504506-002 | WIPE | FD | 3546 | 3/15/2024 8:20:00 AM  | S3VEM |
| AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA     | 504506-001 | WIPE | N  | 3546 | 3/15/2024 8:20:00 AM  | S3VEM |
| AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA     | 504506-015 | WIPE | N  | 3546 | 3/15/2024 9:45:00 AM  | S3VEM |

# Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (4/15/2024)

Approved By:

Laboratory: Enthalpy Orange

| <i>Client Sample ID</i> | <i>Lab Sample ID</i> | <i>Matrix</i> | <i>Sample Type</i> | <i>Preparation Method</i> | <i>Collection Date</i> | <i>Validation Code</i> |
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|

Method: 8082

|                                            |            |      |   |      |                       |       |
|--------------------------------------------|------------|------|---|------|-----------------------|-------|
| AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA | 504506-004 | WIPE | N | 3546 | 3/15/2024 8:35:00 AM  | S3VEM |
| AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA | 504506-008 | WIPE | N | 3546 | 3/15/2024 9:15:00 AM  | S3VEM |
| AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF  | 504506-012 | WIPE | N | 3546 | 3/15/2024 9:30:00 AM  | S3VEM |
| AFRAME-C14W-MED-L2-HS-1-240315-P-G         | 504506-019 | WIPE | N | 3546 | 3/15/2024 10:10:00 AM | S3VEM |
| AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF  | 504506-006 | WIPE | N | 3546 | 3/15/2024 8:50:00 AM  | S3VEM |

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 7.

# ***Data Review Sample Summary Report by Analysis Method***

**Reviewed By: Blake Newell (4/15/2024)**

**Approved By:**

**Laboratory: Enthalpy Orange**

| <i><b>Client Sample ID</b></i> | <i><b>Lab Sample ID</b></i> | <i><b>Matrix</b></i> | <i><b>Sample Type</b></i> | <i><b>Preparation Method</b></i> | <i><b>Collection Date</b></i> | <i><b>Validation Code</b></i> |
|--------------------------------|-----------------------------|----------------------|---------------------------|----------------------------------|-------------------------------|-------------------------------|
|--------------------------------|-----------------------------|----------------------|---------------------------|----------------------------------|-------------------------------|-------------------------------|

## ***Validation Label Legend***

| <i><b>Label Code</b></i> | <i><b>Label Description</b></i>           | <i><b>EPA Level</b></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: 504066

EDD Filename: 504066

Laboratory: Enthalpy Orange

eQAPP Name:

**No Data Review Qualifiers Applied.**

## Data Qualifier Summary

Lab Reporting Batch ID: 504073

Laboratory: Enthalpy Orange

EDD Filename: Prep504073

eQAPP Name:

Method Category: SVOA

Method: 8082

Matrix: WIPE

Sample ID: 240308-P-FIELDBLANK1-LO

Collected: 3/8/2024 7:45:00 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-1248 | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1248 | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1260 | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262 | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1248 | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

ARCH-C13W-DG-1 TO 1.5-UP-C13.1-

Sample ID: HS-240308-P-LA

Collected: 3/8/2024 8:00:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte      | Lab Result | Lab Qual | DL    | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|--------------|------------|----------|-------|---------|------|---------|------------|------------------|-------------|
| AROCLOR-1268 | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1268 | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1260 | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262 | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1268 | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

ARCH-C13W-DG-2 TO 2.5-UP-C13.4-

Sample ID: HS-240308-P-DUP-LA

Collected: 3/8/2024 8:15:00 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-1268 | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1268 | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1260 | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262 | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCLOR-1268 | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

ARCH-C13W-DG-2 TO 2.5-UP-C13.4-

Sample ID: HS-240308-P-LA

Collected: 3/8/2024 8:15:00 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-1268 | 0.50       | U        | 0.14 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

\* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

6/17/2024 8:58:07 AM

ADR version 1.9.0.325

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# Data Qualifier Summary

Lab Reporting Batch ID: 504073

Laboratory: Enthalpy Orange

EDD Filename: Prep504073

eQAPP Name:

Method Category: SVOA

Method: 8082

Matrix: WIPE

ARCH-C13W-DG-2 TO 2.5-UP-C13.4-  
Sample ID: HS-240308-P-LA

Collected: 3/8/2024 8:15:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte      | Lab Result | Lab Qual | DL    | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|--------------|------------|----------|-------|---------|------|---------|------------|------------------|-------------|
| AROCOR-1254  | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1260  | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262 | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1268  | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

ARCH-C13W-DG-4 TO 4.5-DN-C13.3-  
Sample ID: DG-240308-P-LA

Collected: 3/8/2024 9:30:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte      | Lab Result | Lab Qual | DL    | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|--------------|------------|----------|-------|---------|------|---------|------------|------------------|-------------|
| AROCOR-1248  | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1254  | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1254  | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262 | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1268  | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

ARCH-C13W-DG-4 TO 4.5-UP-C13.4-  
Sample ID: DG-240308-P-LA

Collected: 3/8/2024 9:10:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte      | Lab Result | Lab Qual | DL    | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|--------------|------------|----------|-------|---------|------|---------|------------|------------------|-------------|
| AROCOR-1248  | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1248  | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1260  | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262 | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1268  | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

Sample ID: ARCH-C14W-DG-2 TO 2.5-240308-P-FB

Collected: 3/8/2024 8:25:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte     | Lab Result | Lab Qual | DL    | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|-------------|------------|----------|-------|---------|------|---------|------------|------------------|-------------|
| AROCOR-1268 | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOR-1268 | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

\* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

6/17/2024 8:58:07 AM

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## Data Qualifier Summary

Lab Reporting Batch ID: 504073

Laboratory: Enthalpy Orange

EDD Filename: Prep504073

eQAPP Name:

Method Category: SVOA

Method: 8082

Matrix: WIPE

Sample ID: ARCH-C14W-DG-2 TO 2.5-240308-P-FB Collected: 3/8/2024 8:25:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte       | Lab Result | Lab Qual | DL   | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|---------------|------------|----------|------|---------|------|---------|------------|------------------|-------------|
| AROCOLOR-1260 | 0.50       | U        | 0.13 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262  | 0.50       | U        | 0.21 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOLOR-1268 | 0.50       | U        | 0.41 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

Sample ID: ARCH-C14W-EXT-1 TO 2-240308-P-WF Collected: 3/8/2024 7:40:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte       | Lab Result | Lab Qual | DL    | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|---------------|------------|----------|-------|---------|------|---------|------------|------------------|-------------|
| AROCOLOR-1268 | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOLOR-1254 | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOLOR-1260 | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262  | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOLOR-1268 | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

Sample ID: ARCH-C14W-PS-2.5-240308-P-G

Collected: 3/8/2024 8:40:00 AM Analysis Type: RES

Dilution: 1.000

| Analyte       | Lab Result | Lab Qual | DL    | DL Type | RL   | RL Type | Units      | Data Review Qual | Reason Code |
|---------------|------------|----------|-------|---------|------|---------|------------|------------------|-------------|
| AROCOLOR-1268 | 0.50       | U        | 0.14  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOLOR-1254 | 0.50       | U        | 0.087 | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOLOR-1260 | 0.50       | U        | 0.13  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| Aroclor-1262  | 0.50       | U        | 0.21  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |
| AROCOLOR-1254 | 0.50       | U        | 0.41  | MDL     | 0.50 | CRQL    | ug/100 cm2 | UJ               | Ccv         |

\* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

6/17/2024 8:58:07 AM

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## Data Qualifier Summary

Lab Reporting Batch ID: 504073

Laboratory: Enthalpy Orange

EDD Filename: 504073

eQAPP Name:

### Reason Code Legend

| <i>Reason Code</i> | <i>Description</i>                                                     |
|--------------------|------------------------------------------------------------------------|
| Ccv                | Continuing Calibration Verification Percent Difference Upper Rejection |
| Surr               | Surrogate/Tracer Recovery Upper Estimation                             |

\* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

4/15/2024 12:54:40 PM

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## ***Data Qualifier Summary***

Lab Reporting Batch ID: 504322  
EDD Filename: 504322

Laboratory: Enthalpy Orange  
eQAPP Name:

**No Data Review Qualifiers Applied.**

## ***Data Qualifier Summary***

Lab Reporting Batch ID: 504324

EDD Filename: 504324

Laboratory: Enthalpy Orange

eQAPP Name:

**No Data Review Qualifiers Applied.**

## ***Data Qualifier Summary***

Lab Reporting Batch ID: 504368

Laboratory: Enthalpy Orange

EDD Filename: Prep504368

Moffett Hangar 1 NTCRA Enthalpy 230919

**No Data Review Qualifiers Applied.**

## ***Data Qualifier Summary***

Lab Reporting Batch ID: 504369

Laboratory: Enthalpy Orange

EDD Filename: Prep504369

eQAPP Name:

**No Data Review Qualifiers Applied.**

## ***Data Qualifier Summary***

Lab Reporting Batch ID: 504506

EDD Filename: 504506

Laboratory: Enthalpy Orange

eQAPP Name:

**No Data Review Qualifiers Applied.**

**Enclosure I**  
**Validation Outlier Reports**

# Quality Control Outlier Reports

504066



The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665A4b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 504066

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 4/15/2024

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                            | A     |                     |
| V.    | Field Blanks                                 | SW    | FB = 7 MEDBLANK = 8 |
| 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-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-L-LA | 504066-001 | Wipe   | 03/08/24 |
| 2  | ARCH-C14W-INT-3.5 TO 4.5-240308-L-WF          | 504066-002 | Wipe   | 03/08/24 |
| 3  | ARCH-C14W-PS-4.5-450308-L-G                   | 504066-002 | Wipe   | 03/08/24 |
| 4  | ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA | 504066-001 | Wipe   | 03/08/24 |
| 5  | ARCH-C14W-INT-4.5 TO 5.5-240308-L-WF          | 504066-001 | Wipe   | 03/08/24 |
| 6  | ARCH-C14W-DG-5 TO 5.5-240308-L-FB             | 504066-006 | Wipe   | 03/08/24 |
| 7  | 240308-L-FIELDBLANK1-LO                       | 504066-006 | Wipe   | 03/08/24 |
| 8  | 240308-L-MEDBLANK1-LO                         | 504066-008 | Wipe   | 03/08/24 |
| 9  |                                               |            |        |          |
| 10 |                                               |            |        |          |
| 11 |                                               |            |        |          |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

Notes:

## Field Blank Contamination Report

Lab Reporting Batch ID: 504066

Laboratory: Enthalpy Orange

EDD Filename: Prep504066

Moffett\_Hangar\_1\_NTCRA\_Enthalpy\_230919

Method: 6010B

Matrix: WIPE

| Analyte | Sample                      | Concentration (ug/ft2) | Flag                  |
|---------|-----------------------------|------------------------|-----------------------|
| LEAD    | 230308-L-<br>FIELDBLANK1-LO | 0.99                   | No Qualifiers Applied |

# Quality Control Outlier Reports

504073

# Surrogate Outlier Report

Lab Reporting Batch ID: 504073

Laboratory: Enthalpy Orange

EDD Filename: 504073

eQAPP Name:

Method: 8082

Matrix: WIPE

| Sample ID<br>(Analysis Type) | Surrogate                              | Sample<br>% Recovery | % Recovery<br>Limits         | Affected<br>Compounds | Flag            |
|------------------------------|----------------------------------------|----------------------|------------------------------|-----------------------|-----------------|
| 240308-P-<br>FIELDBLANK1-LO  | Decachlorobiphenyl (PCB)<br>TCMX (PCB) | 124<br>125           | 19.00-121.00<br>19.00-121.00 | All Target Analytes   | J (all detects) |

Project Name and Number: 20-10491 - Hangar 1 NTCRA

4/15/2024 10:46:10 AM

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# Field Duplicate RPD Report

Lab Reporting Batch ID: 504073

Laboratory: Enthalpy Orange

EDD Filename: 504073

eQAPP Name:

Method: 6010B

Matrix: WIPE

| Analyte | Concentration (ug/ft2)                    |                                         | Sample<br>RPD | eQAPP<br>RPD | Flag                  |
|---------|-------------------------------------------|-----------------------------------------|---------------|--------------|-----------------------|
|         | ARCH-C14W-EXT-1 TO<br>2-240308-L-WF (TOT) | ARCH-C14W-EXT-1 TO<br>2-240308-L-DUP-WF |               |              |                       |
| LEAD    | 240                                       | 220                                     | 9             | 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 #: 58665B3b      **VALIDATION COMPLETENESS WORKSHEET**  
SDG #: 504073      Stage 3  
Laboratory: Enthalpy Analytical, Orange, CA

Date: 4/12/24  
Page: 1 of 1  
Reviewer: [Signature]  
2nd Reviewer: [Signature]

**METHOD:** GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                        |                        | Comments                  |
|-------|----------------------------------------|------------------------|---------------------------|
| I.    | Sample receipt/Technical holding times | A/A                    |                           |
| II.   | Initial calibration/ICV                | A/A                    | 0% PSD ≤ 20      ICV ≤ 15 |
| III.  | Continuing calibration                 | SW                     | CCV ≤ 15                  |
| IV.   | Laboratory Blanks                      | Δ                      |                           |
| V.    | Field blanks                           | ND ND 4/8/2024 FB = 12 |                           |
| VI.   | Surrogate spikes 14                    | SW                     | FB = 5, 7, 9, 12 4/8/2024 |
| VII.  | Matrix spike/Matrix spike duplicates   | N                      |                           |
| VIII. | Laboratory control samples             | SW                     |                           |
| IX.   | Field duplicates                       | ND                     | D = 3, 4                  |
| X.    | Target analyte quantitation            | A                      |                           |
| XI.   | Target analyte identification          | Δ                      | MI                        |
| XII.  | Overall assessment of data             | Δ                      |                           |

Note: A = Acceptable      ND = No compounds detected      D = Duplicate      SB=Source blank  
N = Not provided/applicable      R = Rinsate      TB = Trip blank      OTHER:  
SW = See worksheet      FB = Field blank      EB = Equipment blank

|    | Client ID                                         | Lab ID     | Matrix | Date     |
|----|---------------------------------------------------|------------|--------|----------|
| 1  | ARCH-C14W-EXT-1 TO 2-240308-P-WF                  | 504073-001 | Wipe   | 03/08/24 |
| 2  | ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA     | 504073-001 | Wipe   | 03/08/24 |
| 3  | ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA     | 504073-006 | Wipe   | 03/08/24 |
| 4  | ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA | 504073-001 | Wipe   | 03/08/24 |
| 5  | ARCH-C14W-DG-2 TO 2.5-240308-P-FB                 | 504073-006 | Wipe   | 03/08/24 |
| 6  | ARCH-C14W-PS-2.5-240308-P-G                       | 504073-011 | Wipe   | 03/08/24 |
| 7  | ARCH-C14W-DG-2.5 TO 3-240308-P-FB                 | 504073-011 | Wipe   | 03/08/24 |
| 8  | ARCH-C14W-INT-2.5 TO 3.5-240308-P-WF              | 504073-015 | Wipe   | 03/08/24 |
| 9  | ARCH-C14W-DG-4 TO 4.5-240308-P-FB                 | 504073-015 | Wipe   | 03/08/24 |
| 10 | ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA     | 504073-015 | Wipe   | 03/08/24 |
| 11 | ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA     | 504073-021 | Wipe   | 03/08/24 |
| 12 | 240308-P-FIELDBLANK1-LO                           | 504073-023 | Wipe   | 03/08/24 |
| 13 |                                                   |            |        |          |

Notes:

|        |  |  |  |  |  |
|--------|--|--|--|--|--|
| 335084 |  |  |  |  |  |
|        |  |  |  |  |  |
|        |  |  |  |  |  |
|        |  |  |  |  |  |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665 B3b

# VALIDATION FINDINGS CHECKLIST

Page: 1 of 2  
Reviewer: FT

Method: GC HPLC

| Validation Area                                                                                                                   | Yes                                 | No                                  | NA                                  | Findings/Comments |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| <b>I. Technical holding times</b>                                                                                                 |                                     |                                     |                                     |                   |
| Were all technical holding times met?                                                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was cooler temperature criteria met?                                                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIa. Initial calibration</b>                                                                                                   |                                     |                                     |                                     |                   |
| Did the laboratory perform a 5 point calibration prior to sample analysis?                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent relative standard deviations (%RSD) < 20%?                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of $\geq 0.990$ ? | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the RT windows properly established?                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIb. Initial calibration verification</b>                                                                                      |                                     |                                     |                                     |                   |
| Was an initial calibration verification standard analyzed after each initial calibration for each instrument?                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) <sup>5</sup> $\leq 20\%$ ? <i>Mike Murrell 5/10/2024</i>                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>III. Continuing calibration</b>                                                                                                |                                     |                                     |                                     |                   |
| Was a continuing calibration analyzed daily?                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) <sup>5</sup> $\leq 20\%$ ? <i>Mike Murrell 5/10/2024</i>                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all the retention times within the acceptance windows?                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IV. Laboratory Blanks</b>                                                                                                      |                                     |                                     |                                     |                   |
| Was a laboratory blank associated with every sample in this SDG?                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a laboratory blank analyzed for each matrix and concentration?                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was there contamination in the laboratory blanks?                                                                                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>V. Field Blanks</b>                                                                                                            |                                     |                                     |                                     |                   |
| Were field blanks identified in this SDG?                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were target analytes detected in the field blanks?                                                                                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>VI. Surrogate spikes</b>                                                                                                       |                                     |                                     |                                     |                   |
| Were all surrogate percent recovery (%R) within the QC limits?                                                                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| If any %R was less than 10 percent, was a reanalysis performed to confirm %R?                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VII. Matrix spike/Matrix spike duplicates</b>                                                                                  |                                     |                                     |                                     |                   |
| Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?                          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VIII. Laboratory control samples</b>                                                                                           |                                     |                                     |                                     |                   |
| Was an LCS analyzed per analytical or extraction batch?                                                                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?                                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |

LDC #: 58665 B3b

## VALIDATION FINDINGS CHECKLIST

Page: 2 of 2  
Reviewer: FT

| Validation Area                                                                                                                      | Yes | No | NA | Findings/Comments |
|--------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|-------------------|
| <b>IX. Field duplicates</b>                                                                                                          |     |    |    |                   |
| Were field duplicate pairs identified in this SDG?                                                                                   | /   |    |    |                   |
| Were target analytes detected in the field duplicates?                                                                               |     | /  |    |                   |
| <b>X. Target analyte quantitation</b>                                                                                                |     |    |    |                   |
| 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? | /   |    |    |                   |
| <b>XI. Target analyte identification</b>                                                                                             |     |    |    |                   |
| 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?                                                                   | /   |    | /  |                   |
| <b>XIII. Overall assessment of data</b>                                                                                              |     |    |    |                   |
| 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 #: 58665 B3h

## 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 ~~≤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]

# **VALIDATION FINDINGS WORKSHEET** **Surrogate Recovery**

METHOD:  X  GC   HPLCAre surrogates required by the method? Yes  /  or No  

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

 Y  Were surrogates spiked into all samples and blanks? N  Did all surrogate recoveries (%R) meet the QC limits?

| # | Sample ID | Detector/Column | Surrogate Compound | %R (Limits)    | Qualifications |
|---|-----------|-----------------|--------------------|----------------|----------------|
|   | 12        | ch A            | Y                  | 125 ( 19-121 ) | Jdet/P all ND  |
|   |           | ch A            | O                  | 124 ( 19-121 ) | Jdet/P         |
|   |           |                 |                    |                |                |
|   |           |                 |                    |                |                |
|   |           |                 |                    |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 |                    |                |                |
|   |           |                 |                    |                |                |
|   |           |                 |                    |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 |                    |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 | Y                  |                |                |
|   |           |                 |                    | ( )            |                |

|   | Surrogate Compound         |   | Surrogate Compound  |   | Surrogate Compound                |   | Surrogate Compound      |    |                               |
|---|----------------------------|---|---------------------|---|-----------------------------------|---|-------------------------|----|-------------------------------|
| A | Chlorobenzene (CBZ)        | G | Octacosane          | M | Benzo(e)Pyrene                    | S | 1-Chloro-3-Nitrobenzene | Y  | Tetrachloro-m- xylene         |
| B | 4-Bromofluorobenzene (BFB) | H | Ortho-Terphenyl     | N | Terphenyl-D14                     | T | 3,4-Dinitrotoluene      | Z  | 2-Bromonaphthalene            |
| C | a,a,a-Trifluorotoluene     | I | Fluorobenzene (FBZ) | O | Decachlorobiphenyl (DCB)          | U | Tripentyltin            | AA | Chloro-octadecane             |
| D | Bromochlorobenene          | J | n-Triacontane       | P | 1-methylnaphthalene               | V | Tri-n-propyltin         | BB | 2,4-Dichlorophenylacetic acid |
| E | 1,4-Dichlorobutane         | K | Hexacosane          | O | Dichlorophenyl Acetic Acid (DCAA) | W | Tributyl Phosphate      | CC | 2,5-Dibromotoluene            |
| F | 1,4-Difluorobenzene (DFB)  | L | Bromobenzene        | R | 4-Nitrophenol                     | X | Triphenyl Phosphate     |    |                               |

**VALIDATION FINDINGS WORKSHEET**  
**Initial Calibration Calculation Verification**

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

| # | Standard ID | Calibration Date | Compound           | Reported<br>250ug/L | Recalculated<br>250ug/L | Reported<br>Average CF<br>(Initial) | Recalculated<br>Average CF<br>(Initial) | Reported<br>%RSD | Recalculated<br>%RSD |
|---|-------------|------------------|--------------------|---------------------|-------------------------|-------------------------------------|-----------------------------------------|------------------|----------------------|
|   | ICAL        | 3/7/2024         | Aroclor 1016-1 ChA | 0.0217              | 0.0217                  | 0.0219                              | 0.0219                                  | 12               | 12                   |
|   | GC06        |                  | Aroclor 1016-1 ChB | 0.0199              | 0.0199                  | 0.0199                              | 0.0199                                  | 13               | 13                   |

LDC #: 58665 B3b

# **VALIDATION FINDINGS WORKSHEET** **Continuing Calibration Results Verification**

 Page: 1 of 1  
 Reviewer: FT
METHOD: GC ✓ HPLC \_\_\_\_\_

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$$

Where: ave. CF = initial calibration average CF  
 CF = continuing calibration CF  
 A = Area of target analyte  
 C = Concentration of target analyte

| # | Standard ID | Calibration Date | Target Analyte   | Average CF(Ical)/ CCV Conc. | Reported      | Recalculated  | Reported | Recalculated |
|---|-------------|------------------|------------------|-----------------------------|---------------|---------------|----------|--------------|
|   |             |                  |                  |                             | CF/ Conc. CCV | CF/ Conc. CCV | %D       | %D           |
| 1 | ccv         | 3/12/24<br>0842  | Aroclor 1016 chA | 522.6                       | 484.7         | 484.7         | 3        | 3            |
|   |             |                  | chP              | ↓                           | 469.1         | 469.1         | 6        | 6            |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
| 2 | ccv         | 3/13/24<br>1140  | ↓                | ↓                           | 496.4         | 496.4         | 1        | 1            |
|   |             |                  |                  |                             | 481.5         | 481.5         | 4        | 4            |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
| 3 |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
| 4 |             |                  |                  | 1                           |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 58665 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     |                    |
| TCM X     | ch A            | 50.0             | 50.8481         | 102              | 102              | 0                  |
| DCB       | ↓               | ↓                | 45.6940         | 91               | 91               | 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 #: 586651335

## VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

**Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification**

Reviewer: FT

**METHOD:** GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC} / \text{SA})$$
$$\text{RPD} = \frac{((\text{SSCLCS} - \text{SSCLCSD}) * 2) / (\text{SSCLCS} + \text{SSCLCSD}) * 100}{\% \text{Recovery} = 100 * (\text{SSC} / \text{SA})}$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 335088 - LCJ 10

[illegible]

**Comments:**

LDC #: 58665 B3b

# VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1  
Reviewer: FT

METHOD: ☒ GC ☐ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID: 335088-LC3 Aroclor 1016

A= Area or height of the target analyte to be measured

Fv= Final Volume of extract

Df= Dilution Factor

RF= Average response factor of the target analyte  
In the initial calibration

Vs= Initial volume of the sample

Ws= Initial weight of the sample

%S= Percent Solid

$$\text{Concentration} = \frac{627.0 \times 10}{1 (1000)} =$$

$$6.27 \text{ ug} / 100 \text{ cm}^2$$

| # | Sample ID             | Target analyte             | Reported Concentrations<br>(ug/100 cm <sup>2</sup> ) | Recalculated Results Concentrations<br>(ug/100 cm <sup>2</sup> ) | Qualifications |
|---|-----------------------|----------------------------|------------------------------------------------------|------------------------------------------------------------------|----------------|
|   | <u>LC3</u>            | <u>Aroclor 1016</u>        | <u>6.269</u>                                         | <u>6.27</u>                                                      |                |
|   | <u>Aroclor 1016-1</u> | <u>1222476.45 (20.0)</u>   | <u>1016-1</u>                                        | <u>= 554.2</u>                                                   |                |
|   |                       | <u>2245129.84 (0.0219)</u> | <u>2</u>                                             | <u>= 631.8</u>                                                   |                |
|   |                       | <u>= 554.21</u>            | <u>3</u>                                             | <u>= 611.4</u>                                                   |                |
|   |                       |                            | <u>4</u>                                             | <u>= 742.6</u>                                                   |                |
|   |                       |                            | <u>5</u>                                             | <u>= 595.0</u>                                                   |                |
|   |                       |                            | <u>Am</u>                                            | <u>= 627.0</u>                                                   |                |

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665B4b

## VALIDATION COMPLETENESS WORKSHEET

SDG #: 504073

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 4/12/24

Page: 1 of 1

Reviewer: JM

2nd Reviewer:

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                              |      | Comments |
|-------|----------------------------------------------|------|----------|
| I.    | Sample receipt/Technical holding times       | A, A |          |
| II.   | Instrument Calibration                       | A    |          |
| III.  | ICP Interference Check Sample (ICS) Analysis | SW   |          |
| IV.   | Laboratory Blanks                            | SW   |          |
| V.    | Field Blanks                                 | 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)    |
| 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-C14W-EXT-1 TO 2-240308-L-WF              | 504073-002 | Wipe   | 03/08/24 |
| 2  | ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF          | 504073-003 | Wipe   | 03/08/24 |
| 3  | ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA | 504073-005 | Wipe   | 03/08/24 |
| 4  | ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA | 504073-008 | Wipe   | 03/08/24 |
| 5  | ARCH-C14W-DG-2 TO 2.5-240308-L-FB             | 504073-000 | Wipe   | 03/08/24 |
| 6  | ARCH-C14W-PS-2.5-240308-L-G                   | 504073-002 | Wipe   | 03/08/24 |
| 7  | ARCH-C14W-DG-2.5 TO 3-240308-L-FB             | 504073-014 | Wipe   | 03/08/24 |
| 8  | ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF          | 504073-016 | Wipe   | 03/08/24 |
| 9  | ARCH-C14W-DG-4 TO 4.5-240308-L-FB             | 504073-014 | Wipe   | 03/08/24 |
| 10 | ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA | 504073-020 | Wipe   | 03/08/24 |
| 11 | ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA | 504073-020 | Wipe   | 03/08/24 |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

Notes:

| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                                                           |     |    |    |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----------|
| Validation Area                                                                                                                                    | Yes | No | NA | Comments |
| <b>I. Technical holding times</b>                                                                                                                  |     |    |    |          |
| Were all technical holding times met?                                                                                                              | Yes |    |    |          |
| Were all water samples preserved to a pH of <2.                                                                                                    |     |    | NA |          |
| <b>II. ICP-MS Tune</b>                                                                                                                             |     |    |    |          |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?                                                                      |     |    | NA |          |
| Were %RSDs of isotopes in the tuning solution ≤5%?                                                                                                 |     |    | NA |          |
| <b>III. Calibration</b>                                                                                                                            |     |    |    |          |
| Were all instruments calibrated daily?                                                                                                             | Yes |    |    |          |
| Were the proper standards used?                                                                                                                    | Yes |    |    |          |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?                                      | Yes |    |    |          |
| Were the low level standard checks within 70-130%?                                                                                                 |     |    | NA |          |
| Were all initial calibration correlation coefficients within limits as specified by the method?                                                    | Yes |    |    |          |
| <b>IV. Interference Check Sample</b>                                                                                                               |     |    |    |          |
| Were the interference check samples performed daily?                                                                                               | Yes |    |    |          |
| Were the AB solution recoveries within 80-120%?                                                                                                    | Yes |    |    |          |
| <b>V. Blanks</b>                                                                                                                                   |     |    |    |          |
| Was a method blank associated with every sample in this SDG?                                                                                       | Yes |    |    |          |
| Was there contamination in the method blanks?                                                                                                      |     | No |    |          |
| Was there contamination in the initial and continuing calibration blanks?                                                                          |     | No |    |          |
| <b>VI. Field Blanks</b>                                                                                                                            |     |    |    |          |
| Were field blanks identified in this SDG?                                                                                                          |     | No |    |          |
| Were target analytes detected in the field blanks?                                                                                                 |     |    | NA |          |
| <b>VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates</b>                                                                             |     |    |    |          |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) |     |    | NA |          |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?                                                  |     |    | NA |          |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

|                                                                                                                     |            |           |           |                 |
|---------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------|-----------------|
| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                            |            |           |           |                 |
| <b>Validation Area</b>                                                                                              | <b>Yes</b> | <b>No</b> | <b>NA</b> | <b>Comments</b> |
| <b>IX. Serial Dilution</b>                                                                                          |            |           |           |                 |
| Were all percent differences <10%?                                                                                  |            |           | NA        |                 |
| Was there evidence of negative interference?<br>If yes, professional judgement will be used to<br>qualify the data. |            |           | NA        |                 |
| <b>X. Laboratory Control Samples</b>                                                                                |            |           |           |                 |
| Was a LCS analyzed for each batch in the SDG?                                                                       | Yes        |           |           |                 |
| Were the LCS recoveries and RPDs (if<br>applicable) within QC limits?                                               | Yes        |           |           |                 |
| <b>XI. Field Duplicates</b>                                                                                         |            |           |           |                 |
| Were field duplicates identified in this SDG?                                                                       | Yes        |           |           |                 |
| Were target analytes detected in the field<br>duplicates?                                                           | Yes        |           |           |                 |
| <b>VII. Internal Standards</b>                                                                                      |            |           |           |                 |
| Were all percent recoveries within the 30-120%<br>(60-125% for EPA Method 200.8) QC limits?                         |            |           | NA        |                 |
| If the recoveries were outside the limits, was a<br>reanalysis performed?                                           |            |           | NA        |                 |
| <b>XIII. Target Analyte Quantitation</b>                                                                            |            |           |           |                 |
| Were all reporting limits adjusted to reflect<br>sample dilutions?                                                  | Yes        |           |           |                 |
| Were all soil samples dry weight corrected?                                                                         |            |           | NA        |                 |
| <b>XIV. Overall Assessment of Data</b>                                                                              |            |           |           |                 |
| Was the overall assessment of the data found<br>to be acceptable?                                                   | Yes        |           |           |                 |

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

[illegible]

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.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Soil preparation factor applied (if applicable): 50

Sample Concentration, unless otherwise noted: ug/ft<sup>2</sup>

Associated Samples: 10

|         |               |                              |                 | Sample Identification |  |  |  |  |  |  |  |  |  |
|---------|---------------|------------------------------|-----------------|-----------------------|--|--|--|--|--|--|--|--|--|
| Analyte | PB<br>(units) | Maximum<br>ICB/CCB<br>(ug/L) | Action<br>Level |                       |  |  |  |  |  |  |  |  |  |
| Pb      |               | 1.841                        | 92.05           |                       |  |  |  |  |  |  |  |  |  |
|         |               |                              |                 |                       |  |  |  |  |  |  |  |  |  |
|         |               |                              |                 |                       |  |  |  |  |  |  |  |  |  |
|         |               |                              |                 |                       |  |  |  |  |  |  |  |  |  |
|         |               |                              |                 |                       |  |  |  |  |  |  |  |  |  |
|         |               |                              |                 |                       |  |  |  |  |  |  |  |  |  |

Comments: The listed analyte concentration is the highest ICB or CCB detected in the analysis. The action level, when applicable, is established at 5X the highest ICB, CCB, or PB concentration.

Field Duplicates

Reviewer: JM

Method: Metals

| Analyte | Concentration (ug/ft <sup>2</sup> ) |     | RPD<br>(≤ 100) | Qualifiers<br>(Parents Only) |
|---------|-------------------------------------|-----|----------------|------------------------------|
|         | 1                                   | 2   |                |                              |
| Lead    | 240                                 | 220 | 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 (ug/L) | True (ug/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|-------------|------------------|---------|--------------|-------------|-----------------|-------------|------------------|
| ICV         | ICP              | Pb      | 1.005        | 1.000       | 100.5           | 101         | Y                |
| CCV         | ICP              | Pb      | 1.034        | 1.000       | 103.4           | 103         | Y                |
| LLCC        | ICP              |         |              |             |                 |             |                  |
| ICSAB       | ICP              | Pb      | 1.028        | 1.000       | 102.8           | 103         | Y                |
| ICV         | ICP-MS           |         |              |             |                 |             |                  |
| CCV         | ICP-MS           |         |              |             |                 |             |                  |
| LLCC        | ICP-MS           |         |              |             |                 |             |                  |
| ICSAB       | ICP-MS           |         |              |             |                 |             |                  |
| ICV         | CVAA             |         |              |             |                 |             |                  |
| CCV         | CVAA             |         |              |             |                 |             |                  |

| ICP-MS Tune | QC Parameter | Mass | Actual | Required  |
|-------------|--------------|------|--------|-----------|
|             | Mass Axis    |      |        | ± 0.1 amu |
|             | %RSD         |      |        | ≤ 5%      |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value}(I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

| Sample ID | Type of Analysis | Element | Found/S/I | True/D/SDR | Recalculated<br>%R/RPD/%D | Reported<br>%R/RPD/%D | Acceptable (Y/N) |
|-----------|------------------|---------|-----------|------------|---------------------------|-----------------------|------------------|
| QC1135480 | LCS              | Pb      | 51.82     | 50.00      | 103.64                    | 104                   | Y                |
| NA        | MS               |         |           |            |                           |                       |                  |
| QC1135481 | Duplicate        | Pb      | 51.36     | 51.82      | 0.891645668               | 1                     | Y                |
| NA        | PDS              |         |           |            |                           |                       |                  |
| NA        | Serial dilution  |         |           |            |                           |                       |                  |



Sample Calculation Verification

Reviewer: JM

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 Volume (ft <sup>2</sup> ) | Final Volume (mL) | Reported Result (ug/ft <sup>2</sup> ) | Recalculated Result (ug/ft <sup>2</sup> ) | Acceptable (Y/N) |
|-----------|---------|-----------------|----------|-----------------------------------|-------------------|---------------------------------------|-------------------------------------------|------------------|
| 1         | Pb      | 4.722           | 1        | 1                                 | 50                | 240                                   | 236.1                                     | Y                |
| 2         | Pb      | 4.351           | 1        | 1                                 | 50                | 220                                   | 217.55                                    | Y                |
| 3         | Pb      | 2.017           | 1        | 1.02                              | 50                | 99                                    | 98.87254902                               | Y                |
| 4         | Pb      | 3.316           | 1        | 1.01                              | 50                | 160                                   | 164.1584158                               | Y                |
| 5         | Pb      | 1.054           | 1        | 1                                 | 50                | 53                                    | 52.7                                      | Y                |
| 6         | Pb      | 4.892           | 1        | 1.0414                            | 50                | 230                                   | 234.8761283                               | Y                |
| 7         | Pb      | 1.285           | 1        | 1                                 | 50                | 64                                    | 64.25                                     | Y                |
| 8         | Pb      | 4.332           | 1        | 1                                 | 50                | 220                                   | 216.6                                     | Y                |
| 9         | Pb      | 3.01            | 1        | 1                                 | 50                | 150                                   | 150.5                                     | Y                |
| 10        | Pb      | 2.577           | 5        | 1                                 | 50                | 640                                   | 644.25                                    | Y                |
| 11        | Pb      | 3.719           | 1        | 1                                 | 50                | 190                                   | 185.95                                    | Y                |

# Quality Control Outlier Reports

504322

(No Outliers)

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665C4b  
SDG #: 504322  
Laboratory: Enthalpy Analytical, Orange, CA

**VALIDATION COMPLETENESS WORKSHEET**  
Stage 2A

Date: 4/15/2024  
Page: 1 of 1  
Reviewer: an  
2nd Reviewer: \_\_\_\_\_

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                              |       | Comments |
|-------|----------------------------------------------|-------|----------|
| I.    | Sample receipt/Technical holding times       | A / A |          |
| II.   | Instrument Calibration                       | N     |          |
| III.  | ICP Interference Check Sample (ICS) Analysis | N     |          |
| IV.   | Laboratory Blanks                            | A     |          |
| V.    | Field Blanks                                 | N     |          |
| VI.   | Matrix Spike/Matrix Spike Duplicates         | N     |          |
| VII.  | Duplicate sample analysis                    | N     |          |
| VIII. | Serial Dilution                              | N     |          |
| IX.   | Laboratory control samples                   | A     |          |
| 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-C14W-INT-3.5 TO 4.5-240313-L-WF          | 504322-001 | Wipe   | 03/13/24 |
| 2  | ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240313-L-LA | 504322-002 | Wipe   | 03/13/24 |
| 3  |                                               |            |        |          |
| 4  |                                               |            |        |          |
| 5  |                                               |            |        |          |
| 6  |                                               |            |        |          |
| 7  |                                               |            |        |          |
| 8  |                                               |            |        |          |
| 9  |                                               |            |        |          |
| 10 |                                               |            |        |          |
| 11 |                                               |            |        |          |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Quality Control Outlier Reports

504324

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665D4b      **VALIDATION COMPLETENESS WORKSHEET**  
SDG #: 504324      Stage 3  
Laboratory: Enthalpy Analytical, Orange, CA

Date: 4/12/24  
Page: 1 of 1  
Reviewer: JM  
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                             | N    |          |
| XI.   | Target Analyte Quantitation                  | A    |          |
| XII.  | Overall Assessment of Data                   | A    |          |

Note:    A = Acceptable                      ND = No compounds detected                      D = Duplicate                      SB=Source blank  
          N = Not provided/applicable                      R = Rinsate                      TB = Trip blank                      OTHER:  
          SW = See worksheet                      FB = Field blank                      EB = Equipment blank

|    | Client ID                                     | Lab ID     | Matrix | Date     |
|----|-----------------------------------------------|------------|--------|----------|
| 1  | ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-L-LA | 504324-001 | Wipe   | 03/13/24 |
| 2  |                                               |            |        |          |
| 3  |                                               |            |        |          |
| 4  |                                               |            |        |          |
| 5  |                                               |            |        |          |
| 6  |                                               |            |        |          |
| 7  |                                               |            |        |          |
| 6  |                                               |            |        |          |
| 9  |                                               |            |        |          |
| 10 |                                               |            |        |          |
| 11 |                                               |            |        |          |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

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 #: 58665D4b

# VALIDATION FINDINGS CHECKLIST

Page 1 of 2  
Reviewer: JM

| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                                                           |     |    |    |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----------|
| Validation Area                                                                                                                                    | Yes | No | NA | Comments |
| <b>I. Technical holding times</b>                                                                                                                  |     |    |    |          |
| Were all technical holding times met?                                                                                                              | Yes |    |    |          |
| Were all water samples preserved to a pH of <2.                                                                                                    |     |    | NA |          |
| <b>II. ICP-MS Tune</b>                                                                                                                             |     |    |    |          |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?                                                                      |     |    | NA |          |
| Were %RSDs of isotopes in the tuning solution ≤5%?                                                                                                 |     |    | NA |          |
| <b>III. Calibration</b>                                                                                                                            |     |    |    |          |
| Were all instruments calibrated daily?                                                                                                             | Yes |    |    |          |
| Were the proper standards used?                                                                                                                    | Yes |    |    |          |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?                                      | Yes |    |    |          |
| Were the low level standard checks within 70-130%?                                                                                                 |     |    | NA |          |
| Were all initial calibration correlation coefficients within limits as specified by the method?                                                    | Yes |    |    |          |
| <b>IV. Interference Check Sample</b>                                                                                                               |     |    |    |          |
| Were the interference check samples performed daily?                                                                                               | Yes |    |    |          |
| Were the AB solution recoveries within 80-120%?                                                                                                    | Yes |    |    |          |
| <b>V. Blanks</b>                                                                                                                                   |     |    |    |          |
| Was a method blank associated with every sample in this SDG?                                                                                       | Yes |    |    |          |
| Was there contamination in the method blanks?                                                                                                      |     | No |    |          |
| Was there contamination in the initial and continuing calibration blanks?                                                                          |     | No |    |          |
| <b>VI. Field Blanks</b>                                                                                                                            |     |    |    |          |
| Were field blanks identified in this SDG?                                                                                                          |     | No |    |          |
| Were target analytes detected in the field blanks?                                                                                                 |     |    | NA |          |
| <b>VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates</b>                                                                             |     |    |    |          |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) |     |    | NA |          |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?                                                  |     |    | NA |          |

|                                                                                                                  |            |           |           |                 |
|------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------|-----------------|
| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                         |            |           |           |                 |
| <b>Validation Area</b>                                                                                           | <b>Yes</b> | <b>No</b> | <b>NA</b> | <b>Comments</b> |
| <b>IX. Serial Dilution</b>                                                                                       |            |           |           |                 |
| Were all percent differences <10%?                                                                               |            |           | NA        |                 |
| Was there evidence of negative interference?<br>If yes, professional judgement will be used to qualify the data. |            |           | NA        |                 |
| <b>X. Laboratory Control Samples</b>                                                                             |            |           |           |                 |
| Was a LCS analyzed for each batch in the SDG?                                                                    | Yes        |           |           |                 |
| Were the LCS recoveries and RPDs (if applicable) within QC limits?                                               | Yes        |           |           |                 |
| <b>XI. Field Duplicates</b>                                                                                      |            |           |           |                 |
| Were field duplicates identified in this SDG?                                                                    |            | No        |           |                 |
| Were target analytes detected in the field duplicates?                                                           |            |           | NA        |                 |
| <b>VII. Internal Standards</b>                                                                                   |            |           |           |                 |
| Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?                         |            |           | NA        |                 |
| If the recoveries were outside the limits, was a reanalysis performed?                                           |            |           | NA        |                 |
| <b>XIII. Target Analyte Quantitation</b>                                                                         |            |           |           |                 |
| Were all reporting limits adjusted to reflect sample dilutions?                                                  | Yes        |           |           |                 |
| Were all soil samples dry weight corrected?                                                                      |            |           | NA        |                 |
| <b>XIV. Overall Assessment of Data</b>                                                                           |            |           |           |                 |
| Was the overall assessment of the data found to be acceptable?                                                   | Yes        |           |           |                 |

**METHOD:** Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

[illegible]

Comments: \*For 6010, qualification is only necessary when the interfering elements (Al, Ca, Fe, Mg) are >90% the level in the ICSEA. The ICSEA action level is established at 10x the absolute value of the contamination.



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

| Standard ID | Type of Analysis | Element | Found (ug/L) | True (ug/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|-------------|------------------|---------|--------------|-------------|-----------------|-------------|------------------|
| ICV         | ICP              | Pb      | 1.007        | 1.000       | 100.7           | 101         | Y                |
| CCV         | ICP              | Pb      | 1.008        | 1.000       | 100.8           | 101         | Y                |
| LLCC        | ICP              |         |              |             |                 |             | Y                |
| ICSAB       | ICP              | Pb      | 1.04         | 1.000       | 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%      |

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<br>%R/RPD/%D | Reported<br>%R/RPD/%D | Acceptable (Y/N) |
|-----------|------------------|---------|-----------|------------|---------------------------|-----------------------|------------------|
| QC1136478 | LCS              | Pb      | 49.52     | 50.00      | 99.04                     | 99                    | Y                |
| NA        | MS               |         |           |            |                           |                       |                  |
| QC1136479 | Duplicate        | Pb      | 49.61     | 49.52      | 0.181579744               | 0                     | Y                |
| NA        | PDS              |         |           |            |                           |                       |                  |
| NA        | Serial dilution  |         |           |            |                           |                       |                  |

Sample Calculation Verification

Reviewer: JM

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 Volume (ft <sup>2</sup> ) | Final Volume (mL) | Reported Result (ug/ft <sup>2</sup> ) | Recalculated Result (ug/ft <sup>2</sup> ) | Acceptable (Y/N) |
|-----------|---------|-----------------|----------|-----------------------------------|-------------------|---------------------------------------|-------------------------------------------|------------------|
| 1         | Pb      | 0.2239          | 1        | 1                                 | 50                | 11                                    | 11.195                                    | Y                |
|           |         |                 |          |                                   |                   |                                       |                                           |                  |
|           |         |                 |          |                                   |                   |                                       |                                           |                  |
|           |         |                 |          |                                   |                   |                                       |                                           | Y                |
|           |         |                 |          |                                   |                   |                                       |                                           |                  |

# Quality Control Outlier Reports

504368



## Field Duplicate RPD Report

Lab Reporting Batch ID: 504368

Laboratory: Enthalpy Orange

EDD Filename: 504368

eQAPP Name:

Method: 6010B

Matrix: WIPE

| Analyte | Concentration (ug/ft2)             |                                    | Sample<br>RPD | eQAPP<br>RPD | Flag                  |
|---------|------------------------------------|------------------------------------|---------------|--------------|-----------------------|
|         | ARCH-C13W-DG-6.5<br>TO 7-DN-C13.3- | ARCH-C13W-DG-6.5<br>TO 7-DN-C13.3- |               |              |                       |
| LEAD    | 61                                 | 42                                 | 37            | 100.00       | No Qualifiers Applied |

| Analyte | Concentration (ug/ft2)               |                                          | Sample<br>RPD | eQAPP<br>RPD | Flag                  |
|---------|--------------------------------------|------------------------------------------|---------------|--------------|-----------------------|
|         | ARCH-C14W-DG-5.5<br>TO 6 240315-L-FB | ARCH-C14W-DG-5.5<br>TO 6 240315-L-DUP-FB |               |              |                       |
| LEAD    | 130                                  | 100                                      | 26            | 100.00       | No Qualifiers Applied |

Project Name and Number: 20-10491 - Hangar 1 NTCRA

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ADR version 1.9.0.325

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# Quality Control Outlier Reports

~~504369~~

SDG# 504369 does not contain samples collected  
within the Low Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665F4b  
SDG #: 504369  
Laboratory: Enthalpy Analytical, Orange, CA

**VALIDATION COMPLETENESS WORKSHEET**  
Stage 2A

Date: 4/5/2024  
Page: 1 of 1  
Reviewer: [signature]  
2nd Reviewer: \_\_\_\_\_

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                              |       | Comments                                               |
|-------|----------------------------------------------|-------|--------------------------------------------------------|
| I.    | Sample receipt/Technical holding times       | A / A |                                                        |
| II.   | Instrument Calibration                       | N     |                                                        |
| III.  | ICP Interference Check Sample (ICS) Analysis | N     |                                                        |
| IV.   | Laboratory Blanks                            | A     |                                                        |
| V.    | Field Blanks                                 | SW    | FB = 21, 22, 23 MEDBLANK = 24, 22 [signature] 4/5/2024 |
| 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 14/13                                         |
| 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-C13W-LAT-L2-UP-C13.1-VS-240315-L-I     | 504369-001 | Wipe   | 03/15/24 |
| 2  | AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-L-LA    | 504369-002 | Wipe   | 03/15/24 |
| 3  | AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-L-FB   | 504369-003 | Wipe   | 03/15/24 |
| 4  | AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-L-I     | 504369-004 | Wipe   | 03/15/24 |
| 5  | AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-L-LA    | 504369-005 | Wipe   | 03/15/24 |
| 6  | AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-L-LA    | 504369-006 | Wipe   | 03/15/24 |
| 7  | AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-WF     | 504369-007 | Wipe   | 03/15/24 |
| 8  | AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-DUP-WF | 504369-008 | Wipe   | 03/15/24 |
| 9  | AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-L-FB   | 504369-009 | Wipe   | 03/15/24 |
| 10 | AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-L-SS    | 504369-010 | Wipe   | 03/15/24 |
| 11 | AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-L-LA    | 504369-011 | Wipe   | 03/15/24 |
| 12 | AFRAME-C14W-LAT-L1-HS-3-240315-L-A            | 504369-011 | Wipe   | 03/15/24 |
| 13 | AFRAME-C14W-MED-L1-HS-3-240315-L-A            | 504369-010 | Wipe   | 03/15/24 |
| 14 | AFRAME-C14W-MED-L1-HS-3-240315-L-DUP-A        | 504369-014 | Wipe   | 03/15/24 |
| 15 | AFRAME-C14W-MED-L1-HS-3-240315-L-G            | 504369-015 | Wipe   | 03/15/24 |
| 16 | AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-L-LA    | 504369-016 | Wipe   | 03/15/24 |
| 17 | AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-L-CB    | 504369-017 | Wipe   | 03/15/24 |



LDC #: 58665F4b

**VALIDATION COMPLETENESS WORKSHEET**

Date: \_\_\_\_\_

SDG #: 504369

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 | AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-L-WF  | 504369-018 | Wipe   | 03/15/24 |
| 19 | AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-L-SS | 504369-019 | Wipe   | 03/15/24 |
| 20 | AFRAME-C13W-LAT-L1-CN-C13.7-DG-240315-L-CB | 504369-010 | Wipe   | 03/15/24 |
| 21 | 240315-L-FIELDBLANK1-HO                    | 504369-021 | Wipe   | 03/15/24 |
| 22 | 240315-L-MEDBLANK1-HO                      | 504369-022 | Wipe   | 03/15/24 |
| 23 | 240315-L-FIELDBLANK2-HO                    | 504369-022 | Wipe   | 03/15/24 |
| 24 | 240315-L-MEDBLANK2-HO                      | 504369-024 | Wipe   | 03/15/24 |
| 25 |                                            |            |        |          |
| 26 |                                            |            |        |          |
| 27 |                                            |            |        |          |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Field Blank Contamination Report

Lab Reporting Batch ID: 504369

Laboratory: Enthalpy Orange

EDD Filename: Prep504369

Moffett\_Hangar\_1\_NTCRA\_Enthalpy\_230919

Method: 6010B

Matrix: WIPE

| Analyte | Sample                      | Concentration (ug/ft2) | Flag                  |
|---------|-----------------------------|------------------------|-----------------------|
| LEAD    | 230315-L-<br>FIELDBLANK1-HO | 3.0                    | No Qualifiers Applied |

## Field Duplicate RPD Report

Lab Reporting Batch ID: 504369

Laboratory: Enthalpy Orange

EDD Filename: 504369

eQAPP Name:

Method: 6010B

Matrix: WIPE

| Analyte | Concentration (ug/ft2)             |                                   | Sample RPD | eQAPP RPD | Flag                  |
|---------|------------------------------------|-----------------------------------|------------|-----------|-----------------------|
|         | AFRAME-C14W-LAT-L1-HS-3-240315-L-A | AFRAME-C14W-MED-L1-HS-3-240315-L- |            |           |                       |
| LEAD    | 63                                 | 70                                | 11         | 100.00    | No Qualifiers Applied |

| Analyte | Concentration (ug/ft2)                |                                       | Sample RPD | eQAPP RPD | Flag                  |
|---------|---------------------------------------|---------------------------------------|------------|-----------|-----------------------|
|         | AFRAME-C14W-MED-L2-EXT-0 TO 1-240315- | AFRAME-C14W-MED-L2-EXT-0 TO 1-240315- |            |           |                       |
| LEAD    | 76                                    | 150                                   | 65         | 100.00    | No Qualifiers Applied |

Project Name and Number: 20-10491 - Hangar 1 NTCRA

4/15/2024 1:10:09 PM

ADR version 1.9.0.325

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# Quality Control Outlier Reports

~~504506~~

SDG# 504506 does not contain samples collected  
within the Low Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665G3b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 504506

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 4/12/24

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

**METHOD:** GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                        |     | Comments                                            |
|-------|----------------------------------------|-----|-----------------------------------------------------|
| I.    | Sample receipt/Technical holding times | A/A |                                                     |
| II.   | Initial calibration/ICV                | A/A | % PSD $\leq 20$ ICV $\leq 2015$ [Signature] 4/14/24 |
| III.  | Continuing calibration                 | A   | CCV $\leq 2015$ [Signature] 4/15/24                 |
| IV.   | Laboratory Blanks                      | A   |                                                     |
| V.    | Field blanks                           | ND  | FB = 12                                             |
| VI.   | Surrogate spikes 19                    | A   |                                                     |
| VII.  | Matrix spike/Matrix spike duplicates   | N   | CS                                                  |
| VIII. | Laboratory control samples             | A   | ICSIP                                               |
| IX.   | Field duplicates                       | ND  | D = 1, 2                                            |
| X.    | Target analyte quantitation            | A   |                                                     |
| XI.   | Target analyte identification          | A   | MI                                                  |
| XII.  | Overall assessment of data             | A   |                                                     |

Note: A = Acceptable  
N = Not provided/applicable  
SW = See worksheet

ND = No compounds detected  
R = Rinsate  
FB = Field blank

D = Duplicate  
TB = Trip blank  
EB = Equipment blank

SB = Source blank  
OTHER:

|    | Client ID                                        | Lab ID     | Matrix | Date     |
|----|--------------------------------------------------|------------|--------|----------|
| 1  | AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA 7     | 504506-001 | Wipe   | 03/15/24 |
| 2  | AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA 8 | 504506-002 | Wipe   | 03/15/24 |
| 3  | AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA       | 504506-002 | Wipe   | 03/15/24 |
| 4  | AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF        | 504506-006 | Wipe   | 03/15/24 |
| 5  | AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA       | 504506-006 | Wipe   | 03/15/24 |
| 6  | AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA       | 504506-010 | Wipe   | 03/15/24 |
| 7  | AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF        | 504506-012 | Wipe   | 03/15/24 |
| 8  | AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA       | 504506-015 | Wipe   | 03/15/24 |
| 9  | AFRAME-C13W-LAT-L3-DN-C13.1-DG-240315-P-LA       | 504506-015 | Wipe   | 03/15/24 |
| 10 | AFRAME-C14W-MED-L2-HS-1-240315-P-G               | 504506-019 | Wipe   | 03/15/24 |
| 11 | AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I        | 504506-021 | Wipe   | 03/15/24 |
| 12 | 240315-P-FIELDBLANK1-HO                          | 504506-001 | Wipe   | 03/15/24 |
| 13 |                                                  |            |        |          |

Notes:

|        |  |  |  |  |
|--------|--|--|--|--|
| 335940 |  |  |  |  |
|        |  |  |  |  |
|        |  |  |  |  |
|        |  |  |  |  |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665936

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2  
Reviewer: FT

Method: GC HPLC

| Validation Area                                                                                                                   | Yes                                 | No                                  | NA                                  | Findings/Comments |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| <b>I. Technical holding times</b>                                                                                                 |                                     |                                     |                                     |                   |
| Were all technical holding times met?                                                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was cooler temperature criteria met?                                                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIa. Initial calibration</b>                                                                                                   |                                     |                                     |                                     |                   |
| Did the laboratory perform a 5 point calibration prior to sample analysis?                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent relative standard deviations (%RSD) $\leq$ 20%?                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of $\geq 0.990$ ? | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the RT windows properly established?                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIb. Initial calibration verification</b>                                                                                      |                                     |                                     |                                     |                   |
| Was an initial calibration verification standard analyzed after each initial calibration for each instrument?                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) $\leq$ 20%? <u>15% 3/15/2024</u>                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>III. Continuing calibration</b>                                                                                                |                                     |                                     |                                     |                   |
| Was a continuing calibration analyzed daily?                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) $\leq$ 20%? <u>15% 3/15/2024</u>                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all the retention times within the acceptance windows?                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IV. Laboratory Blanks</b>                                                                                                      |                                     |                                     |                                     |                   |
| Was a laboratory blank associated with every sample in this SDG?                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a laboratory blank analyzed for each matrix and concentration?                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was there contamination in the laboratory blanks?                                                                                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>V. Field Blanks</b>                                                                                                            |                                     |                                     |                                     |                   |
| Were field blanks identified in this SDG?                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were target analytes detected in the field blanks?                                                                                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>VI. Surrogate spikes</b>                                                                                                       |                                     |                                     |                                     |                   |
| Were all surrogate percent recovery (%R) within the QC limits?                                                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?           | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| If any %R was less than 10 percent, was a reanalysis performed to confirm %R?                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VII. Matrix spike/Matrix spike duplicates</b>                                                                                  |                                     |                                     |                                     |                   |
| Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?                          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VIII. Laboratory control samples</b>                                                                                           |                                     |                                     |                                     |                   |
| Was an LCS analyzed per analytical or extraction batch?                                                                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |

LDC #: 9866543b

## VALIDATION FINDINGS CHECKLIST

Page: 2 of 2  
Reviewer: FT

| Validation Area                                                                                                                      | Yes | No | NA | Findings/Comments |
|--------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|-------------------|
| <b>IX. Field duplicates</b>                                                                                                          |     |    |    |                   |
| Were field duplicate pairs identified in this SDG?                                                                                   | /   |    |    |                   |
| Were target analytes detected in the field duplicates?                                                                               |     | /  |    |                   |
| <b>X. Target analyte quantitation</b>                                                                                                |     |    |    |                   |
| 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? | /   |    |    |                   |
| <b>XI. Target analyte identification</b>                                                                                             |     |    |    |                   |
| Were the retention times of reported detects within the RT windows?                                                                  | /   |    |    |                   |
| Were manual integrations reviewed and found acceptable?                                                                              | ✓   |    |    |                   |
| Did the laboratory provide before and after integration printouts?                                                                   | ✓   |    | NA |                   |
| <b>XIII. Overall assessment of data</b>                                                                                              |     |    |    |                   |
| Overall assessment of data was found to be acceptable.                                                                               | /   |    |    |                   |

## VALIDATION FINDINGS WORKSHEET

**METHOD:** Pesticide/PCBs (EPASW 846 Method 8081/8082)

|                       |                       |                    |                       |                           |
|-----------------------|-----------------------|--------------------|-----------------------|---------------------------|
| A. alpha-BHC          | I. Dieldrin           | Q. Endrin ketone   | Y. Aroclor-1242       | GG. Chlordane             |
| B. beta-BHC           | J. 4,4'-DDE           | R. Endrin aldehyde | Z. Aroclor-1248       | HH. Chlordane (Technical) |
| C. delta-BHC          | K. Endrin             | S. alpha-Chlordane | AA. Aroclor-1254      | II. Aroclor 1262          |
| D. gamma-BHC          | L. Endosulfan II      | T. gamma-Chlordane | BB. Aroclor-1260      | JJ. Aroclor 1268          |
| E. Heptachlor         | M. 4,4'-DDD           | U. Toxaphene       | CC. 2,4'-DDD          | KK. Oxychlordane          |
| F. Aldrin             | N. Endosulfan sulfate | V. Aroclor-1016    | DD. 2,4'-DDE          | LL. trans-Nonachlor       |
| G. Heptachlor epoxide | O. 4,4'-DDT           | W. Aroclor-1221    | EE. 2,4'-DDT          | MM. cis-Nonachlor         |
| H. Endosulfan I       | P. Methoxychlor       | X. Aroclor-1232    | FF. Hexachlorobenzene | NN.                       |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**VALIDATION FINDINGS WORKSHEET**  
**Initial Calibration Calculation Verification**

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

| # | Standard ID | Calibration Date | Compound           | Reported<br>250ug/L | Recalculated<br>250ug/L | Reported<br>Average CF<br>(Initial) | Recalculated<br>Average CF<br>(Initial) | Reported<br>%RSD | Recalculated<br>%RSD |
|---|-------------|------------------|--------------------|---------------------|-------------------------|-------------------------------------|-----------------------------------------|------------------|----------------------|
|   | ICAL        | 3/13/2024        | Aroclor 1260-1 ChA | 0.0607              | 0.0607                  | 0.0604                              | 0.0604                                  | 9                | 9                    |
|   | GC07        |                  | Aroclor 1260-1 ChB | 0.0768              | 0.0768                  | 0.0745                              | 0.0745                                  | 14               | 14                   |

a

LDC #: 58665 G3b**VALIDATION FINDINGS WORKSHEET**  
**Continuing Calibration Results Verification**Page: 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(1cal)/ CCV Conc. | Reported      | Recalculated  | Reported | Recalculated |
|---|-------------|------------------|-------------------|-----------------------------|---------------|---------------|----------|--------------|
|   |             |                  |                   |                             | CF/ Conc. CCV | CF/ Conc. CCV | %D       | %D           |
| 1 | ocv         | 3/22/24<br>105V  | Aroclor 1260 ch A | 500.0                       | 495.0         | 495.0         | 1        | 1            |
|   |             |                  | ↓ ch B            | ↓                           | 487.1         | 487.1         | 3        | 3            |
|   |             |                  |                   |                             |               |               |          |              |
| 2 |             |                  |                   |                             |               |               |          |              |
|   |             |                  |                   |                             |               |               |          |              |
|   |             |                  |                   |                             |               |               |          |              |
| 3 |             |                  |                   |                             |               |               |          |              |
|   |             |                  |                   |                             |               |               |          |              |
|   |             |                  |                   |                             |               |               |          |              |
| 4 |             |                  |                   |                             |               |               |          |              |
|   |             |                  |                   |                             |               |               |          |              |
|   |             |                  |                   |                             |               |               |          |              |

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 58665 43b

# **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     |                    |
| TCM X     | ch B            | 50.0             | 32.6043         | 65               | 65               | 0                  |
| DCB       | ↓               | ↓                | 19.2655         | 39               | 39               | 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 #: 9866593h

## 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: 335940 w/o 10

[illegible]

Comments:

LDC #: 5866543h

## VALIDATION FINDINGS WORKSHEET

### Sample Calculation Verification

Page: 1 of 1  
Reviewer: f7

**METHOD:** GC/HPLC/GCMS/LCMS

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_s)(I_s)(V_s)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

$A_x$  = Area of the characteristic ion (EICP) for the compound to be measured

$A_{is}$  = Area of the characteristic ion (EICP) for the specific internal standard

$I_s$  = Amount of internal standard added in nanograms (ng)

$V_o$  = Volume or weight of sample extract in milliliters (ml) or grams (g).

$V_i$  = Volume of extract injected in microliters (ul)

$V_i$  = 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. 335940 Las Arodo 126 U

$$\text{Conc.} = \frac{342.12 \text{ (10)}}{(1) (1000)}$$

11

3. 4212

[illegible]

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58665G4b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 504506

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 4/12/24

Page: 1 of 1

Reviewer: JM

2nd Reviewer: 13m

**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   | (16.7)   |
| XI.   | Target Analyte Quantitation                  | A    |          |
| XII.  | Overall Assessment of Data                   | A    |          |

Note: A = Acceptable  
N = Not provided/applicable  
SW = See worksheet

ND = No compounds detected  
R = Rinsate  
FB = Field blank

D = Duplicate  
TB = Trip blank  
EB = Equipment blank

SB=Source blank  
OTHER:

|    | Client ID                                     | Lab ID     | Matrix | Date     |
|----|-----------------------------------------------|------------|--------|----------|
| 1  | AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA    | 504506-003 | Wipe   | 03/15/24 |
| 2  | AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA    | 504506-003 | Wipe   | 03/15/24 |
| 3  | AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF     | 504506-007 | Wipe   | 03/15/24 |
| 4  | AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA    | 504506-003 | Wipe   | 03/15/24 |
| 5  | AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA    | 504506-011 | Wipe   | 03/15/24 |
| 6  | AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF     | 504506-011 | Wipe   | 03/15/24 |
| 7  | AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF | 504506-014 | Wipe   | 03/15/24 |
| 8  | AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA    | 504506-016 | Wipe   | 03/15/24 |
| 9  | AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA    | 504506-014 | Wipe   | 03/15/24 |
| 10 | AFRAME-C14W-MED-L2-HS-1-240315-L-G            | 504506-020 | Wipe   | 03/15/24 |
| 11 | AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I     | 504506-016 | Wipe   | 03/15/24 |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

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 #: 58665G4b

# VALIDATION FINDINGS CHECKLIST

Page 1 of 2

Reviewer: JM

| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                                                           |     |    |    |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----------|
| Validation Area                                                                                                                                    | Yes | No | NA | Comments |
| <b>I. Technical holding times</b>                                                                                                                  |     |    |    |          |
| Were all technical holding times met?                                                                                                              | Yes |    |    |          |
| Were all water samples preserved to a pH of <2.                                                                                                    |     |    | NA |          |
| <b>II. ICP-MS Tune</b>                                                                                                                             |     |    |    |          |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?                                                                      |     |    | NA |          |
| Were %RSDs of isotopes in the tuning solution ≤5%?                                                                                                 |     |    | NA |          |
| <b>III. Calibration</b>                                                                                                                            |     |    |    |          |
| Were all instruments calibrated daily?                                                                                                             | Yes |    |    |          |
| Were the proper standards used?                                                                                                                    | Yes |    |    |          |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?                                      | Yes |    |    |          |
| Were the low level standard checks within 70-130%?                                                                                                 |     |    | NA |          |
| Were all initial calibration correlation coefficients within limits as specified by the method?                                                    | Yes |    |    |          |
| <b>IV. Interference Check Sample</b>                                                                                                               |     |    |    |          |
| Were the interference check samples performed daily?                                                                                               | Yes |    |    |          |
| Were the AB solution recoveries within 80-120%?                                                                                                    | Yes |    |    |          |
| <b>V. Blanks</b>                                                                                                                                   |     |    |    |          |
| Was a method blank associated with every sample in this SDG?                                                                                       | Yes |    |    |          |
| Was there contamination in the method blanks?                                                                                                      |     | No |    |          |
| Was there contamination in the initial and continuing calibration blanks?                                                                          |     | No |    |          |
| <b>VI. Field Blanks</b>                                                                                                                            |     |    |    |          |
| Were field blanks identified in this SDG?                                                                                                          |     | No |    |          |
| Were target analytes detected in the field blanks?                                                                                                 |     |    | NA |          |
| <b>VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates</b>                                                                             |     |    |    |          |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) |     |    | NA |          |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?                                                  |     |    | NA |          |

|                                                                                                                  |            |           |           |                 |
|------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------|-----------------|
| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                         |            |           |           |                 |
| <b>Validation Area</b>                                                                                           | <b>Yes</b> | <b>No</b> | <b>NA</b> | <b>Comments</b> |
| <b>IX. Serial Dilution</b>                                                                                       |            |           |           |                 |
| Were all percent differences <10%?                                                                               |            |           | NA        |                 |
| Was there evidence of negative interference?<br>If yes, professional judgement will be used to qualify the data. |            |           | NA        |                 |
| <b>X. Laboratory Control Samples</b>                                                                             |            |           |           |                 |
| Was a LCS analyzed for each batch in the SDG?                                                                    | Yes        |           |           |                 |
| Were the LCS recoveries and RPDs (if applicable) within QC limits?                                               | Yes        |           |           |                 |
| <b>XI. Field Duplicates</b>                                                                                      |            |           |           |                 |
| Were field duplicates identified in this SDG?                                                                    | Yes        |           |           |                 |
| Were target analytes detected in the field duplicates?                                                           | Yes        |           |           |                 |
| <b>VII. Internal Standards</b>                                                                                   |            |           |           |                 |
| Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?                         |            |           | NA        |                 |
| If the recoveries were outside the limits, was a reanalysis performed?                                           |            |           | NA        |                 |
| <b>XIII. Target Analyte Quantitation</b>                                                                         |            |           |           |                 |
| Were all reporting limits adjusted to reflect sample dilutions?                                                  | Yes        |           |           |                 |
| Were all soil samples dry weight corrected?                                                                      |            |           | NA        |                 |
| <b>XIV. Overall Assessment of Data</b>                                                                           |            |           |           |                 |
| Was the overall assessment of the data found to be acceptable?                                                   | Yes        |           |           |                 |



Field Duplicates

Reviewer: JM

Method: Metals

| Analyte | Concentration (ug/ft <sup>2</sup> ) |    | RPD<br>(≤ 100) | Qualifiers<br>(Parents Only) |
|---------|-------------------------------------|----|----------------|------------------------------|
|         | 6                                   | 7  |                |                              |
| Lead    | 21                                  | 22 | 5              |                              |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

| Standard ID | Type of Analysis | Element | Found (ug/L) | True (ug/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|-------------|------------------|---------|--------------|-------------|-----------------|-------------|------------------|
| ICV         | ICP              | Pb      | 1.081        | 1.000       | 108.1           | 108         | Y                |
| CCV         | ICP              | Pb      | 1.093        | 1.000       | 109.3           | 109         | Y                |
| LLCC        | ICP              |         |              |             |                 |             |                  |
| ICSAB       | ICP              | Pb      | 1.067        | 1.000       | 106.7           | 107         | Y                |
| ICV         | ICP-MS           |         |              |             |                 |             |                  |
| CCV         | ICP-MS           |         |              |             |                 |             |                  |
| LLCC        | ICP-MS           |         |              |             |                 |             |                  |
| ICSAB       | ICP-MS           |         |              |             |                 |             |                  |
| ICV         | CVAA             |         |              |             |                 |             |                  |
| CCV         | CVAA             |         |              |             |                 |             |                  |

| ICP-MS Tune | QC Parameter | Mass | Actual | Required  |
|-------------|--------------|------|--------|-----------|
|             | Mass Axis    |      |        | ± 0.1 amu |
|             | %RSD         |      |        | ≤ 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<br>%R/RPD/%D | Reported<br>%R/RPD/%D | Acceptable (Y/N) |
|-----------|------------------|---------|-----------|------------|---------------------------|-----------------------|------------------|
| QC1136967 | LCS              | Pb      | 54.97     | 50.00      | 109.94                    | 110                   | Y                |
| NA        | MS               |         |           |            |                           |                       |                  |
| QC1136968 | Duplicate        | Pb      | 56.15     | 54.97      | 2.123830094               | 2                     | Y                |
| NA        | PDS              |         |           |            |                           |                       |                  |
| NA        | Serial dilution  |         |           |            |                           |                       |                  |

Sample Calculation Verification

Reviewer: JM

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 Volume (ft <sup>2</sup> ) | Final Volume (mL) | Reported Result (ug/ft <sup>2</sup> ) | Recalculated Result (ug/ft <sup>2</sup> ) | Acceptable (Y/N) |
|-----------|---------|-----------------|----------|-----------------------------------|-------------------|---------------------------------------|-------------------------------------------|------------------|
| 1         | Pb      | 1.142           | 1        | 1                                 | 50                | 57                                    | 57.1                                      | Y                |
| 2         | Pb      | 0.6135          | 1        | 1                                 | 50                | 31                                    | 30.675                                    | Y                |
| 3         | Pb      | 1.575           | 1        | 1                                 | 50                | 79                                    | 78.75                                     | Y                |
| 4         | Pb      | 0.552           | 1        | 1                                 | 50                | 28                                    | 27.6                                      | Y                |
| 5         | Pb      | 0.4063          | 1        | 1                                 | 50                | 20                                    | 20.315                                    | Y                |
| 6         | Pb      | 0.4209          | 1        | 1                                 | 50                | 21                                    | 21.045                                    | Y                |
| 2         | Pb      | 0.4404          | 1        | 1                                 | 50                | 21                                    | 22.02                                     | Y                |
| 6         | Pb      | 0.9634          | 1        | 1                                 | 50                | 48                                    | 48.17                                     | Y                |
| 5         | Pb      | 1.064           | 1        | 1                                 | 50                | 53                                    | 53.2                                      | Y                |
| 10        | Pb      | 0.7788          | 1        | 1                                 | 50                | 53                                    | 38.94                                     | Y                |
| 11        | Pb      | 1.936           | 1        | 1                                 | 50                | 97                                    | 96.8                                      | Y                |



## LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.  
250 E. 1st Street Suite 1400  
Los Angeles, CA – 90012  
ATTN: Mr. Ryan Thacher  
[rthacher@rinconconsultants.com](mailto:rthacher@rinconconsultants.com)

June 18, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on May 1, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

### **LDC Project #58899 RV2:**

#### **SDG #**

506092  
506093  
506863  
506865  
506868

#### **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](mailto:pgeng@lab-data.com)  
Project Manager/Senior Chemist

V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\Wipe\58899ST-Wipe.wpd

## Automated Data Review Data Validation Report

### Hangar 1 NTCRA

#### Sample Delivery Groups

506092

506093

506863

506865

506868

Only the highlighted SDGs contain samples that were collected within the Low Occupancy Area of Zone 7.

## Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the April 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.



### **Sample Receipt & Technical Holding Times**

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

### **Initial Calibration and Initial Calibration Verification**

#### **8082**

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

#### **6010B**

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

### **Continuing Calibration**

#### **8082**

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

#### **6010B**

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

### **ICP Interference Check Sample Analysis**

#### **6010B**

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

### **Laboratory Blanks**

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

### **Field Blanks**

#### **8082**

Two field blanks were collected and analyzed. No contaminants were found.

#### **6010B**

Four media blanks were collected and analyzed. No contaminants were found.

Four field blanks were collected and analyzed. Three field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

### **Surrogate Spikes**

#### **8082**

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

### **Internal Standards**

#### **8082**

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

### **Matrix Spike/Matrix Spike Duplicates**

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

### **Duplicate Sample Analysis**

#### **6010B**

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

### **Laboratory Control Samples**

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

## **Field Duplicates**

### **8082**

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**

Six field duplicate pairs were collected and analyzed. The field duplicate pairs had detections for lead. All RPDs were within QC limits with the exception of one duplicate pair for lead. The associated sample results were qualified as detected estimated (J). The field duplicate result comparisons are presented in Enclosure I.

## **Target Analyte Quantitation**

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

## **Overall Assessment of Data**

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

## **Attachment 1**

### **Sample Summary Report by Analysis Method**

***Data Review Sample Summary Report by Analysis Method***

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

| <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: 506092**

**Method: 6010B**

|                                               |            |      |    |       |                      |       |
|-----------------------------------------------|------------|------|----|-------|----------------------|-------|
| 240412-L-FIELDBLANK1-LO                       | 506092-004 | WIPE | FB | 3050B | 4/12/2024 8:45:00 AM | S2AVE |
| 240412-L-MEDBLANK1-LO                         | 506092-005 | WIPE | FB | 3050B | 4/12/2024 9:10:00 AM | S2AVE |
| ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-L-LA | 506092-002 | WIPE | N  | 3050B | 4/12/2024 8:30:00 AM | S2AVE |
| ARCH-C14E-INT-3.5 TO 4.5-240412-L-WF          | 506092-001 | WIPE | N  | 3050B | 4/12/2024 8:05:00 AM | S2AVE |
| ARCH-C14E-INT-4.5 TO 5.5-240412-L-WF          | 506092-003 | WIPE | N  | 3050B | 4/12/2024 8:35:00 AM | S2AVE |

# Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

| Client Sample ID | Lab Sample ID | Matrix | Sample Type | Preparation Method | Collection Date | Validation Code |
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|

Lab Reporting Batch: 506093

Method: 6010B

|                                                   |            |      |    |       |                      |       |
|---------------------------------------------------|------------|------|----|-------|----------------------|-------|
| ARCH-C13E-DG-1 TO 1.5-UP-<br>C13.1-HS-240412-L-LA | 506093-005 | WIPE | N  | 3050B | 4/12/2024 7:25:00 AM | S3VEM |
| ARCH-C13E-DG-2 TO 2.5-UP-<br>C13.4-HS-240412-L-LA | 506093-008 | WIPE | N  | 3050B | 4/12/2024 7:35:00 AM | S3VEM |
| ARCH-C13E-DG-4 TO 4.5-DN-<br>C13.5-VS-240412-L-LA | 506093-022 | WIPE | N  | 3050B | 4/12/2024 8:10:00 AM | S3VEM |
| ARCH-C13E-DG-4 TO 4.5-UP-<br>C13.4-DG-240412-L-LA | 506093-018 | WIPE | N  | 3050B | 4/12/2024 7:48:00 AM | S3VEM |
| ARCH-C14E-DG-2 TO<br>2.5-240412-L-FB              | 506093-010 | WIPE | N  | 3050B | 4/12/2024 7:45:00 AM | S3VEM |
| ARCH-C14E-DG-2.5 TO<br>3-240412-L-FB              | 506093-012 | WIPE | N  | 3050B | 4/12/2024 7:55:00 AM | S3VEM |
| ARCH-C14E-DG-4 TO<br>4.5-240412-L-FB              | 506093-020 | WIPE | N  | 3050B | 4/12/2024 7:40:00 AM | S3VEM |
| ARCH-C14E-EXT-1 TO<br>2-240412-L-DUP-WF           | 506093-003 | WIPE | FD | 3050B | 4/12/2024 7:10:00 AM | S3VEM |
| ARCH-C14E-EXT-1 TO<br>2-240412-L-WF               | 506093-002 | WIPE | N  | 3050B | 4/12/2024 7:10:00 AM | S3VEM |
| ARCH-C14E-EXT-3 TO<br>4-240412-L-WF               | 506093-014 | WIPE | N  | 3050B | 4/12/2024 8:05:00 AM | S3VEM |
| ARCH-C14E-PS-3.5-240412-L-<br>G                   | 506093-016 | WIPE | N  | 3050B | 4/12/2024 8:15:00 AM | S3VEM |

Method: 8082

|                                                       |            |      |    |      |                      |       |
|-------------------------------------------------------|------------|------|----|------|----------------------|-------|
| 240412-P-FIELDBLANK1-LO                               | 506093-023 | WIPE | FB | 3546 | 4/12/2024 8:45:00 AM | S3VEM |
| ARCH-C13E-DG-1 TO 1.5-UP-<br>C13.1-HS-240412-P-LA     | 506093-004 | WIPE | N  | 3546 | 4/12/2024 7:25:00 AM | S3VEM |
| ARCH-C13E-DG-2 TO 2.5-UP-<br>C13.4-HS-240412-P-DUP-LA | 506093-007 | WIPE | FD | 3546 | 4/12/2024 7:35:00 AM | S3VEM |
| ARCH-C13E-DG-2 TO 2.5-UP-<br>C13.4-HS-240412-P-LA     | 506093-006 | WIPE | N  | 3546 | 4/12/2024 7:35:00 AM | S3VEM |
| ARCH-C13E-DG-4 TO 4.5-DN-<br>C13.5-VS-240412-P-LA     | 506093-021 | WIPE | N  | 3546 | 4/12/2024 8:10:00 AM | S3VEM |
| ARCH-C13E-DG-4 TO 4.5-UP-<br>C13.4-DG-240412-P-LA     | 506093-017 | WIPE | N  | 3546 | 4/12/2024 7:48:00 AM | S3VEM |
| ARCH-C14E-DG-2 TO<br>2.5-240412-P-FB                  | 506093-009 | WIPE | N  | 3546 | 4/12/2024 7:45:00 AM | S3VEM |
| ARCH-C14E-DG-2.5 TO<br>3-240412-P-FB                  | 506093-011 | WIPE | N  | 3546 | 4/12/2024 7:55:00 AM | S3VEM |

# ***Data Review Sample Summary Report by Analysis Method***

**Reviewed By:**

**Approved By:**

**Laboratory: Enthalpy Orange**

| <i><b>Client Sample ID</b></i>       | <i><b>Lab Sample ID</b></i> | <i><b>Matrix</b></i> | <i><b>Sample Type</b></i> | <i><b>Preparation<br/>Method</b></i> | <i><b>Collection Date</b></i> | <i><b>Validation Code</b></i> |
|--------------------------------------|-----------------------------|----------------------|---------------------------|--------------------------------------|-------------------------------|-------------------------------|
| <b>Method: 8082</b>                  |                             |                      |                           |                                      |                               |                               |
| ARCH-C14E-DG-4 TO<br>4.5-240412-P-FB | 506093-019                  | WIPE                 | N                         | 3546                                 | 4/12/2024 7:40:00 AM          | S3VEM                         |
| ARCH-C14E-EXT-1 TO<br>2-240412-P-WF  | 506093-001                  | WIPE                 | N                         | 3546                                 | 4/12/2024 7:10:00 AM          | S3VEM                         |
| ARCH-C14E-EXT-3 TO<br>4-240412-P-WF  | 506093-013                  | WIPE                 | N                         | 3546                                 | 4/12/2024 8:05:00 AM          | S3VEM                         |
| ARCH-C14E-PS-3.5-240412-<br>P-G      | 506093-015                  | WIPE                 | N                         | 3546                                 | 4/12/2024 8:15:00 AM          | S3VEM                         |

# Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

| Client Sample ID | Lab Sample ID | Matrix | Sample Type | Preparation Method | Collection Date | Validation Code |
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|

Lab Reporting Batch: 506863

Method: 6010B

|                                               |            |      |    |       |                       |       |
|-----------------------------------------------|------------|------|----|-------|-----------------------|-------|
| 240422-L-FIELDBLANK2-LO                       | 506863-015 | WIPE | FB | 3050B | 4/22/2024 7:45:00 AM  | S2AVE |
| 240422-L-MEDBLANK2-LO                         | 506863-016 | WIPE | FB | 3050B | 4/22/2024 11:25:00 AM | S2AVE |
| ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-L-LA | 506863-002 | WIPE | N  | 3050B | 4/22/2024 8:00:00 AM  | S2AVE |
| ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-L-LA | 506863-007 | WIPE | N  | 3050B | 4/22/2024 8:40:00 AM  | S2AVE |
| ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-L-LA   | 506863-013 | WIPE | N  | 3050B | 4/22/2024 9:45:00 AM  | S2AVE |
| ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-L-LA   | 506863-017 | WIPE | N  | 3050B | 4/22/2024 9:50:00 AM  | S2AVE |
| ARCH-C14E-DG-5 TO 5.5-240422-L-FB             | 506863-001 | WIPE | N  | 3050B | 4/22/2024 7:50:00 AM  | S2AVE |
| ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB         | 506863-006 | WIPE | FD | 3050B | 4/22/2024 8:25:00 AM  | S2AVE |
| ARCH-C14E-DG-5.5 TO 6-240422-L-FB             | 506863-005 | WIPE | N  | 3050B | 4/22/2024 8:25:00 AM  | S2AVE |
| ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB         | 506863-018 | WIPE | FD | 3050B | 4/22/2024 8:50:00 AM  | S2AVE |
| ARCH-C14E-DG-6 TO 6.5-240422-L-FB             | 506863-008 | WIPE | N  | 3050B | 4/22/2024 8:50:00 AM  | S2AVE |
| ARCH-C14E-DG-6.5 TO 7-240422-L-FB             | 506863-010 | WIPE | N  | 3050B | 4/22/2024 9:10:00 AM  | S2AVE |
| ARCH-C14E-EXT-5 TO 6-240422-L-WF              | 506863-004 | WIPE | N  | 3050B | 4/22/2024 8:15:00 AM  | S2AVE |
| ARCH-C14E-EXT-8 TO 9-240422-L-WF              | 506863-014 | WIPE | N  | 3050B | 4/22/2024 10:00:00 AM | S2AVE |
| ARCH-C14E-INT-7 TO 7.5-240422-L-WF            | 506863-012 | WIPE | N  | 3050B | 4/22/2024 9:30:00 AM  | S2AVE |
| ARCH-C14E-PS-5.5-240422-L-G                   | 506863-003 | WIPE | N  | 3050B | 4/22/2024 8:05:00 AM  | S2AVE |
| ARCH-C14E-PS-6.5-240422-L-G                   | 506863-009 | WIPE | N  | 3050B | 4/22/2024 9:05:00 AM  | S2AVE |
| ARCH-C14E-PS-7-240422-L-G                     | 506863-011 | WIPE | N  | 3050B | 4/22/2024 9:15:00 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 |
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|
|------------------|---------------|--------|-------------|--------------------|-----------------|-----------------|

Lab Reporting Batch: 506865

Method: 6010B

|                                             |            |      |    |       |                       |       |
|---------------------------------------------|------------|------|----|-------|-----------------------|-------|
| 240422-L-FIELDBLANK1-HO                     | 506865-021 | WIPE | FB | 3050B | 4/22/2024 7:50:00 AM  | S2AVE |
| 240422-L-FIELDBLANK2-HO                     | 506865-023 | WIPE | FB | 3050B | 4/22/2024 11:30:00 AM | S2AVE |
| 240422-L-MEDBLANK1-HO                       | 506865-022 | WIPE | FB | 3050B | 4/22/2024 11:27:00 AM | S2AVE |
| 240422-L-MEDBLANK2-HO                       | 506865-024 | WIPE | FB | 3050B | 4/22/2024 11:26:00 AM | S2AVE |
| AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-L-CB  | 506865-020 | WIPE | N  | 3050B | 4/22/2024 12:05:00 PM | S2AVE |
| AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-L-CB  | 506865-017 | WIPE | N  | 3050B | 4/22/2024 11:30:00 AM | S2AVE |
| AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-L-LA  | 506865-011 | WIPE | N  | 3050B | 4/22/2024 11:10:00 AM | S2AVE |
| AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-L-LA  | 506865-016 | WIPE | N  | 3050B | 4/22/2024 11:45:00 AM | S2AVE |
| AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-L-LA  | 506865-006 | WIPE | N  | 3050B | 4/22/2024 10:55:00 AM | S2AVE |
| AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-L-I   | 506865-004 | WIPE | N  | 3050B | 4/22/2024 10:50:00 AM | S2AVE |
| AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-L-I   | 506865-001 | WIPE | N  | 3050B | 4/22/2024 10:25:00 AM | S2AVE |
| AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-L-LA  | 506865-002 | WIPE | N  | 3050B | 4/22/2024 10:30:00 AM | S2AVE |
| AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-L-SS  | 506865-019 | WIPE | N  | 3050B | 4/22/2024 12:10:00 PM | S2AVE |
| AFRAME-C13E-MED-L1-UP-C13.6-DG-240422-L-SS  | 506865-010 | WIPE | N  | 3050B | 4/22/2024 11:20:00 AM | S2AVE |
| AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-L-LA  | 506865-005 | WIPE | N  | 3050B | 4/22/2024 11:25:00 AM | S2AVE |
| AFRAME-C14E-LAT-L1-HS-3-240422-L-A          | 506865-012 | WIPE | N  | 3050B | 4/22/2024 11:00:00 AM | S2AVE |
| AFRAME-C14E-LAT-L1-HS-3-240422-L-DUP-A      | 506865-014 | WIPE | FD | 3050B | 4/22/2024 11:00:00 AM | S2AVE |
| AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-L-FB | 506865-003 | WIPE | N  | 3050B | 4/22/2024 10:20:00 AM | S2AVE |
| AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-L-WF   | 506865-018 | WIPE | N  | 3050B | 4/22/2024 11:55:00 AM | S2AVE |
| AFRAME-C14E-MED-L1-HS-3-240422-L-A          | 506865-013 | WIPE | N  | 3050B | 4/22/2024 10:40:00 AM | S2AVE |

5/8/2024 10:51:14 AM

ADR version 1.9.0.325

Page 1 of 3

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 7.

# 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> |
|-------------------------------------------------------|----------------------|---------------|--------------------|---------------------------|--------------------------|------------------------|
| <b>Method: 6010B</b>                                  |                      |               |                    |                           |                          |                        |
| AFRAME-C14E-MED-L1-<br>HS-3-240422-L-G                | 506865-015           | WIPE          | N                  | 3050B                     | 4/22/2024 10:55:00<br>AM | S2AVE                  |
| AFRAME-C14E-MED-L2-<br>EXT-0 TO 1-240422-L-DUP-<br>WF | 506865-008           | WIPE          | FD                 | 3050B                     | 4/22/2024 11:15:00<br>AM | S2AVE                  |
| AFRAME-C14E-MED-L2-<br>EXT-0 TO 1-240422-L-WF         | 506865-007           | WIPE          | N                  | 3050B                     | 4/22/2024 11:15:00<br>AM | S2AVE                  |
| AFRAME-C14E-MED-L2-INT-0<br>TO 0.5-240422-L-FB        | 506865-009           | WIPE          | N                  | 3050B                     | 4/22/2024 10:30:00<br>AM | S2AVE                  |

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 7.

# 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: 506868

Method: 6010B

|                                               |            |      |    |       |                       |       |
|-----------------------------------------------|------------|------|----|-------|-----------------------|-------|
| AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I     | 506868-020 | WIPE | N  | 3050B | 4/22/2024 9:55:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA    | 506868-016 | WIPE | N  | 3050B | 4/22/2024 9:05:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA    | 506868-009 | WIPE | N  | 3050B | 4/22/2024 8:30:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA    | 506868-003 | WIPE | N  | 3050B | 4/22/2024 7:45:00 AM  | S3VEM |
| AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA    | 506868-022 | WIPE | N  | 3050B | 4/22/2024 10:20:00 AM | S3VEM |
| AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA    | 506868-014 | WIPE | N  | 3050B | 4/22/2024 8:50:00 AM  | S3VEM |
| AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA    | 506868-005 | WIPE | N  | 3050B | 4/22/2024 8:05:00 AM  | S3VEM |
| AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF | 506868-012 | WIPE | FD | 3050B | 4/22/2024 9:20:00 AM  | S3VEM |
| AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF     | 506868-011 | WIPE | N  | 3050B | 4/22/2024 9:20:00 AM  | S3VEM |
| AFRAME-C14E-MED-L2-HS-1-240422-L-G            | 506868-018 | WIPE | N  | 3050B | 4/22/2024 9:35:00 AM  | S3VEM |
| AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF     | 506868-007 | WIPE | N  | 3050B | 4/22/2024 8:15:00 AM  | S3VEM |

Method: 8082

|                                                |            |      |    |      |                       |       |
|------------------------------------------------|------------|------|----|------|-----------------------|-------|
| 240422-P-FIELDBLANK1-HO                        | 506868-021 | WIPE | FB | 3546 | 4/22/2024 7:50:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I      | 506868-019 | WIPE | N  | 3546 | 4/22/2024 9:55:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA     | 506868-015 | WIPE | N  | 3546 | 4/22/2024 9:05:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA     | 506868-008 | WIPE | N  | 3546 | 4/22/2024 8:30:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA | 506868-002 | WIPE | FD | 3546 | 4/22/2024 7:45:00 AM  | S3VEM |
| AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA     | 506868-001 | WIPE | N  | 3546 | 4/22/2024 7:45:00 AM  | S3VEM |
| AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA     | 506868-023 | WIPE | N  | 3546 | 4/22/2024 10:20:00 AM | S3VEM |
| AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA     | 506868-013 | WIPE | N  | 3546 | 4/22/2024 8:50:00 AM  | S3VEM |

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 7.

***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**

|                                            |            |      |   |      |                      |       |
|--------------------------------------------|------------|------|---|------|----------------------|-------|
| AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA | 506868-004 | WIPE | N | 3546 | 4/22/2024 8:05:00 AM | S3VEM |
| AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF  | 506868-010 | WIPE | N | 3546 | 4/22/2024 9:20:00 AM | S3VEM |
| AFRAME-C14E-MED-L2-HS-1-240422-P-G         | 506868-017 | WIPE | N | 3546 | 4/22/2024 9:35:00 AM | S3VEM |
| AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF  | 506868-000 | WIPE | N | 3546 | 4/22/2024 8:15:00 AM | S3VEM |

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 7.

# ***Data Review Sample Summary Report by Analysis Method***

**Reviewed By:**

**Approved By:**

**Laboratory: Enthalpy Orange**

| <i><b>Client Sample ID</b></i> | <i><b>Lab Sample ID</b></i> | <i><b>Matrix</b></i> | <i><b>Sample Type</b></i> | <i><b>Preparation<br/>Method</b></i> | <i><b>Collection Date</b></i> | <i><b>Validation Code</b></i> |
|--------------------------------|-----------------------------|----------------------|---------------------------|--------------------------------------|-------------------------------|-------------------------------|
|--------------------------------|-----------------------------|----------------------|---------------------------|--------------------------------------|-------------------------------|-------------------------------|

## ***Validation Label Legend***

| <i><b>Label Code</b></i> | <i><b>Label Description</b></i>           | <i><b>EPA Level</b></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: 506092

EDD Filename: 506092

Laboratory: Enthalpy Orange

eQAPP Name:

**No Data Review Qualifiers Applied.**

## Data Qualifier Summary

Lab Reporting Batch ID: 506093

Laboratory: Enthalpy Orange

EDD Filename: Prep506093

eQAPP Name:

Method Category: METALS

Method: 6010B

Matrix: WIPE

| ARCH-C14E-EXT-1 TO 2-240412-L-DUP-<br>Sample ID:WF |            |          |      | 4/12/2024 7:10:00<br>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                                               | 120        |          | 0.23 | MDL                                | 0.50 | CRQL               | ug/ft2 | J                | Fd          |

| ARCH-C14E-EXT-1 TO 2-240412-L-WF<br>Sample ID:ARCH-C14E-EXT-1 TO 2-240412-L-WF |            |          |      | 4/12/2024 7:10:00<br>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                                                                           | 36         |          | 0.23 | MDL                                | 0.50 | CRQL               | ug/ft2 | J                | Fd          |

\* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

6/18/2024 12:20:11 PM

ADR version 1.9.0.325

Page 1 of 2



## ***Data Qualifier Summary***

**Lab Reporting Batch ID: 506093**

**Laboratory: Enthalpy Orange**

**EDD Filename: Prep506093**

**eQAPP Name:**

### **Reason Code Legend**

| <b><i>Reason Code</i></b> | <b><i>Description</i></b> |
|---------------------------|---------------------------|
| Fd                        | Field Duplicate Precision |

---

\* denotes a non-reportable result

**Project Name and Number: 20-10491 - Hangar 1 NTCRA**

6/18/2024 12:20:11 PM

ADR version 1.9.0.325

Page 2 of 2

## ***Data Qualifier Summary***

**Lab Reporting Batch ID: 506863**

**EDD Filename: 506863**

**Laboratory: Enthalpy Orange**

**eQAPP Name:**

**No Data Review Qualifiers Applied.**

## ***Data Qualifier Summary***

Lab Reporting Batch ID: 506865

EDD Filename: 506865

Laboratory: Enthalpy Orange

eQAPP Name:

**No Data Review Qualifiers Applied.**

## ***Data Qualifier Summary***

Lab Reporting Batch ID: 506868

EDD Filename: 506868

Laboratory: Enthalpy Orange

eQAPP Name:

**No Data Review Qualifiers Applied.**

**Enclosure I**

**Validation Outlier Reports**

# Quality Control Outlier Reports

506092

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58899A4b

# **VALIDATION COMPLETENESS WORKSHEET**

Date: 5/6/24

SDG #: 506092

Stage 2A

Page: 1 of 1

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: JL

2nd Reviewer: mm

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                              |      | Comments            |
|-------|----------------------------------------------|------|---------------------|
| I.    | Sample receipt/Technical holding times       | A, A |                     |
| II.   | Instrument Calibration                       | N    |                     |
| III.  | ICP Interference Check Sample (ICS) Analysis | N    |                     |
| IV.   | Laboratory Blanks                            | A    |                     |
| V.    | Field Blanks                                 | SW   | 4 = FB 5 = MEDBLANK |
| 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-C14E-INT-3.5 TO 4.5-240412-L-WF          | 506092-001 | Wipe   | 04/12/24 |
| 2  | ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-L-LA | 506092-001 | Wipe   | 04/12/24 |
| 3  | ARCH-C14E-INT-4.5 TO 5.5-240412-L-WF          | 506092-003 | Wipe   | 04/12/24 |
| 4  | 240412-L-FIELDBLANK1-LO                       | 506092-003 | Wipe   | 04/12/24 |
| 5  | 240412-L-MEDBLANK1-LO                         | 506092-005 | Wipe   | 04/12/24 |
| 6  |                                               |            |        |          |
| 7  |                                               |            |        |          |
| 8  |                                               |            |        |          |
| 9  |                                               |            |        |          |
| 10 |                                               |            |        |          |
| 11 |                                               |            |        |          |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

Notes: \_\_\_\_\_

## Field Blank Contamination Report

Lab Reporting Batch ID: 506092

Laboratory: Enthalpy Orange

EDD Filename: Prep506092

Moffett\_Hangar\_1\_NTCRA\_Enthalpy\_230919

Method: 6010B

Matrix: WIPE

| Analyte | Sample                      | Concentration (ug/ft2) | Flag                  |
|---------|-----------------------------|------------------------|-----------------------|
| LEAD    | 240412-L-<br>FIELDBLANK1-LO | 3.6                    | No Qualifiers Applied |



# Quality Control Outlier Reports

506093

The line item for field blanks includes all blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58899B3b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 506093

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 5/7/24

Page: 1 of 1

Reviewer: PA

2nd Reviewer: dh

**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 | $\Delta/\Delta$ |                               |
| II.   | Initial calibration/ICV                | $\Delta/\Delta$ | % PSD $\leq 20$ ICV $\leq 15$ |
| III.  | Continuing calibration                 | $\Delta$        | CCV $\leq 15$                 |
| IV.   | Laboratory Blanks                      | $\Delta$        |                               |
| V.    | Field blanks                           | ND              | FB = 12                       |
| VI.   | Surrogate spikes 17                    | $\Delta$        |                               |
| VII.  | Matrix spike/Matrix spike duplicates   | N               | CS                            |
| VIII. | Laboratory control samples             | $\Delta$        | LCS 10                        |
| IX.   | Field duplicates                       | ND              | D = 3, 4                      |
| X.    | Target analyte quantitation            | $\Delta$        |                               |
| XI.   | Target analyte identification          | $\Delta$        |                               |
| XII.  | Overall assessment of data             | $\Delta$        |                               |

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-C14E-EXT-1 TO 2-240412-P-WF                  | 506093-001 | Wipe   | 04/12/24 |
| 2  | ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA     | 506093-004 | Wipe   | 04/12/24 |
| 3  | ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA     | 506093-004 | Wipe   | 04/12/24 |
| 4  | ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA | 506093-004 | Wipe   | 04/12/24 |
| 5  | ARCH-C14E-DG-2 TO 2.5-240412-P-FB                 | 506093-001 | Wipe   | 04/12/24 |
| 6  | ARCH-C14E-DG-2.5 TO 3-240412-P-FB                 | 506093-011 | Wipe   | 04/12/24 |
| 7  | ARCH-C14E-EXT-3 TO 4-240412-P-WF                  | 506093-013 | Wipe   | 04/12/24 |
| 8  | ARCH-C14E-PS-3.5-240412-P-G                       | 506093-013 | Wipe   | 04/12/24 |
| 9  | ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA     | 506093-017 | Wipe   | 04/12/24 |
| 10 | ARCH-C14E-DG-4 TO 4.5-240412-P-FB                 | 506093-013 | Wipe   | 04/12/24 |
| 11 | ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA     | 506093-001 | Wipe   | 04/12/24 |
| 12 | 240412-P-FIELDBLANK-LO (#1 after K)               | 506093-001 | Wipe   | 04/12/24 |
| 13 |                                                   |            |        |          |

Notes:

|        |  |  |  |  |
|--------|--|--|--|--|
| 338024 |  |  |  |  |
|        |  |  |  |  |
|        |  |  |  |  |
|        |  |  |  |  |

LDC #: 9899 B3b

# VALIDATION FINDINGS CHECKLIST

Page: 1 of 1  
Reviewer: 17

Method: / GC HPLC

| Validation Area                                                                                                                   | Yes                                 | No                                  | NA                                  | Findings/Comments |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| <b>I. Technical holding times</b>                                                                                                 |                                     |                                     |                                     |                   |
| Were all technical holding times met?                                                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was cooler temperature criteria met?                                                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIa. Initial calibration</b>                                                                                                   |                                     |                                     |                                     |                   |
| Did the laboratory perform a 5 point calibration prior to sample analysis?                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent relative standard deviations (%RSD) < 20%?                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of $\geq 0.990$ ? | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the RT windows properly established?                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIb. Initial calibration verification</b>                                                                                      |                                     |                                     |                                     |                   |
| Was an initial calibration verification standard analyzed after each initial calibration for each instrument?                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) <sup>15</sup> < 20%? <i>Chad Newell 5/10/2024</i>                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>III. Continuing calibration</b>                                                                                                |                                     |                                     |                                     |                   |
| Was a continuing calibration analyzed daily?                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) <sup>15</sup> < 20%? <i>Chad Newell 5/10/2024</i>                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all the retention times within the acceptance windows?                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IV. Laboratory Blanks</b>                                                                                                      |                                     |                                     |                                     |                   |
| Was a laboratory blank associated with every sample in this SDG?                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a laboratory blank analyzed for each matrix and concentration?                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was there contamination in the laboratory blanks?                                                                                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>V. Field Blanks</b>                                                                                                            |                                     |                                     |                                     |                   |
| Were field blanks identified in this SDG?                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were target analytes detected in the field blanks?                                                                                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>VI. Surrogate spikes</b>                                                                                                       |                                     |                                     |                                     |                   |
| Were all surrogate percent recovery (%R) within the QC limits?                                                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?           | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| If any %R was less than 10 percent, was a reanalysis performed to confirm %R?                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VII. Matrix spike/Matrix spike duplicates</b>                                                                                  |                                     |                                     |                                     |                   |
| Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?                          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VIII. Laboratory control samples</b>                                                                                           |                                     |                                     |                                     |                   |
| Was an LCS analyzed per analytical or extraction batch?                                                                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |

LDC #: 58899133b

## VALIDATION FINDINGS CHECKLIST

Page: 2 of 2  
Reviewer: F-7

| Validation Area                                                                                                                      | Yes | No | NA | Findings/Comments |
|--------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|-------------------|
| <b>IX. Field duplicates</b>                                                                                                          |     |    |    |                   |
| Were field duplicate pairs identified in this SDG?                                                                                   | /   |    |    |                   |
| Were target analytes detected in the field duplicates?                                                                               |     | /  |    |                   |
| <b>X. Target analyte quantitation</b>                                                                                                |     |    |    |                   |
| Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?                                                                                  | /   |    |    |                   |
| Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation? | /   |    |    |                   |
| Were relative percent difference (RPD) of the results between two columns $\leq 40\%$ ?                                              | ✓   |    |    |                   |
| <b>XI. Target analyte identification</b>                                                                                             |     |    |    |                   |
| 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?                                                                   |     |    | /  |                   |
| <b>XIII. Overall assessment of data</b>                                                                                              |     |    |    |                   |
| 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 #: 5899836

**VALIDATION FINDINGS WORKSHEET**  
**Initial Calibration Calculation Verification**

Page: 1 of 1  
Reviewer: FT

METHOD: PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C

average CF = sum of the CF/number of standards

%RSD = 100 \* (S/X)

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

| # | Standard ID | Calibration Date | Compound           | Reported<br>250ug/L | Recalculated<br>250ug/L | Reported<br>Average CF<br>(Initial) | Recalculated<br>Average CF<br>(Initial) | Reported<br>%RSD | Recalculated<br>%RSD |
|---|-------------|------------------|--------------------|---------------------|-------------------------|-------------------------------------|-----------------------------------------|------------------|----------------------|
|   | ICAL        | 3/26/2024        | Aroclor 1016-1 ChA | 0.0207              | 0.0207                  | 0.0215                              | 0.0215                                  | 13               | 13                   |
|   | GC06        |                  | Aroclor 1016-1 ChB | 0.0178              | 0.0178                  | 0.0185                              | 0.0185                                  | 17               | 17                   |

LDC #: 58899B3b**VALIDATION FINDINGS WORKSHEET**  
**Continuing Calibration Results Verification**Page: 1 of 1  
Reviewer: FTMETHOD: GC        HPLC       

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$$

Where: ave. CF = initial calibration average CF  
CF = continuing calibration CF  
A = Area of target analyte  
C = Concentration of target analyte

| # | Standard ID | Calibration Date | Target Analyte   | Average CF(Ical)/ CCV Conc. | Reported      | Recalculated  | Reported | Recalculated |
|---|-------------|------------------|------------------|-----------------------------|---------------|---------------|----------|--------------|
|   |             |                  |                  |                             | CF/ Conc. CCV | CF/ Conc. CCV | %D       | %D           |
| 1 | CON         | 4/18/24<br>0940  | Aroclor 1016 chA | 500.0                       | 491.0         | 491.0         | 2        | 2            |
|   |             |                  | ↓ chB            | ↓                           | 505.5         | 505.5         | 1        | 1            |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
| 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 #: 588 99 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      | ok B            | 50               | 28.5925         | 57               | 57               | 0                  |
| DCB       | ↓               | ↓                | 24.8141         | 50               | 50               | 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 #: 58899B3b

## 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: 338024 LCS 117

[illegible]

Comments:

LDC #: 58899B3h

# VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1  
Reviewer: FT

METHOD: GC HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID: 338024 - LCS Aroclor 1016

A= Area or height of the target analyte to be measured

Fv= Final Volume of extract

Df= Dilution Factor

RF= Average response factor of the target analyte  
In the initial calibration

Vs= Initial volume of the sample

Ws= Initial weight of the sample

%S= Percent Solid

$$\text{Concentration} = \frac{443.44 (10)}{(1)(1000)} =$$

$$4.4344 \text{ ug}/100 \text{ cm}^2$$

| # | Sample ID               | Target analyte                | Reported Concentrations<br>(ug/100 cm <sup>2</sup> ) | Recalculated Results Concentrations<br>(ug/100 cm <sup>2</sup> ) | Qualifications |
|---|-------------------------|-------------------------------|------------------------------------------------------|------------------------------------------------------------------|----------------|
|   | <u>LCS</u>              | <u>Aroclor 1016</u>           | <u>4.435</u>                                         | <u>4.4344</u>                                                    |                |
|   | <u>Aroclor 1016-1 =</u> | <u>20087798.552 (20.07)</u>   | <u>= 430.2</u>                                       | <u>1016-1 = 430.2</u>                                            |                |
|   |                         | <u>50484081.1 (0.0215-17)</u> |                                                      | <u>2 = 4660</u>                                                  |                |
|   |                         | <u>0.0185</u>                 |                                                      | <u>3 = 441.5</u>                                                 |                |
|   |                         |                               |                                                      | <u>4 = 452.7</u>                                                 |                |
|   |                         |                               |                                                      | <u>5 = 426.8</u>                                                 |                |
|   |                         |                               |                                                      | <u>443.44</u>                                                    |                |

Comments: \_\_\_\_\_

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58899B4b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 506093

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 5/6/24

Page: 1 of 1

Reviewer: JC

2nd Reviewer: JBN

**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  | (1,2)    |
| 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-C14E-EXT-1 TO 2-240412-L-WF              | 506093-002 | Wipe   | 04/12/24 |
| 2  | ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF          | 506093-002 | Wipe   | 04/12/24 |
| 3  | ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA | 506093-002 | Wipe   | 04/12/24 |
| 4  | ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA | 506093-008 | Wipe   | 04/12/24 |
| 5  | ARCH-C14E-DG-2 TO 2.5-240412-L-FB             | 506093-002 | Wipe   | 04/12/24 |
| 6  | ARCH-C14E-DG-2.5 TO 3-240412-L-FB             | 506093-002 | Wipe   | 04/12/24 |
| 7  | ARCH-C14E-EXT-3 TO 4-240412-L-WF              | 506093-014 | Wipe   | 04/12/24 |
| 8  | ARCH-C14E-PS-3.5-240412-L-G                   | 506093-002 | Wipe   | 04/12/24 |
| 9  | ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA | 506093-002 | Wipe   | 04/12/24 |
| 10 | ARCH-C14E-DG-4 TO 4.5-240412-L-FB             | 506093-014 | Wipe   | 04/12/24 |
| 11 | ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA | 506093-002 | Wipe   | 04/12/24 |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

Notes:

All elements are applicable to each sample as noted below.

| Sample ID | Matrix | Method | Target Analyte List                                                                                                |
|-----------|--------|--------|--------------------------------------------------------------------------------------------------------------------|
| 1-11      | Wipe   | 6010   | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, <u>Pb</u> , Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |
|           |        |        |                                                                                                                    |

Comments:

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| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                                                           |     |    |    |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----------|
| Validation Area                                                                                                                                    | Yes | No | NA | Comments |
| <b>I. Technical holding times</b>                                                                                                                  |     |    |    |          |
| Were all technical holding times met?                                                                                                              | Yes |    |    |          |
| Were all water samples preserved to a pH of <2.                                                                                                    |     |    | NA |          |
| <b>II. ICP-MS Tune</b>                                                                                                                             |     |    |    |          |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?                                                                      |     |    | NA |          |
| Were %RSDs of isotopes in the tuning solution ≤5%?                                                                                                 |     |    | NA |          |
| <b>III. Calibration</b>                                                                                                                            |     |    |    |          |
| Were all instruments calibrated daily?                                                                                                             | Yes |    |    |          |
| Were the proper standards used?                                                                                                                    | Yes |    |    |          |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?                                      | Yes |    |    |          |
| Were the low level standard checks within 70-130%?                                                                                                 |     |    | NA |          |
| Were all initial calibration correlation coefficients within limits as specified by the method?                                                    | Yes |    |    |          |
| <b>IV. Interference Check Sample</b>                                                                                                               |     |    |    |          |
| Were the interference check samples performed daily?                                                                                               | Yes |    |    |          |
| Were the AB solution recoveries within 80-120%?                                                                                                    | Yes |    |    |          |
| <b>V. Blanks</b>                                                                                                                                   |     |    |    |          |
| Was a method blank associated with every sample in this SDG?                                                                                       | Yes |    |    |          |
| Was there contamination in the method blanks?                                                                                                      |     | No |    |          |
| Was there contamination in the initial and continuing calibration blanks?                                                                          |     | No |    |          |
| <b>VI. Field Blanks</b>                                                                                                                            |     |    |    |          |
| Were field blanks identified in this SDG?                                                                                                          |     |    | NA |          |
| Were target analytes detected in the field blanks?                                                                                                 |     |    | NA |          |
| <b>VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates</b>                                                                             |     |    |    |          |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) |     |    | NA |          |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?                                                  |     |    | NA |          |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

|                                                                                                               |     |  |    |  |
|---------------------------------------------------------------------------------------------------------------|-----|--|----|--|
| <b>IX. Serial Dilution</b>                                                                                    |     |  |    |  |
| Were all percent differences <10%?                                                                            |     |  | NA |  |
| Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data. |     |  | NA |  |
| <b>X. Laboratory Control Samples</b>                                                                          |     |  |    |  |
| Was a LCS analyzed for each batch in the SDG?                                                                 | Yes |  |    |  |
| Were the LCS recoveries and RPDs (if applicable) within QC limits?                                            | Yes |  |    |  |
| <b>XI. Field Duplicates</b>                                                                                   |     |  |    |  |
| Were field duplicates identified in this SDG?                                                                 |     |  | NA |  |
| Were target analytes detected in the field duplicates?                                                        |     |  | NA |  |
| <b>VII. Internal Standards</b>                                                                                |     |  |    |  |
| Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?                      |     |  | NA |  |
| If the recoveries were outside the limits, was a reanalysis performed?                                        |     |  | NA |  |
| <b>XIII. Target Analyte Quantitation</b>                                                                      |     |  |    |  |
| Were all reporting limits adjusted to reflect sample                                                          | Yes |  |    |  |
| Were all soil samples dry weight corrected?                                                                   |     |  | NA |  |
| <b>XIV. Overall Assessment of Data</b>                                                                        |     |  |    |  |
| Was the overall assessment of the data found to be acceptable?                                                | Yes |  |    |  |

# Field Duplicate RPD Report

Lab Reporting Batch ID: 506093

Laboratory: Enthalpy Orange

EDD Filename: Prep506093

Method: 6010B  
Matrix: WIPE

| Analyte | Concentration (ug/ft2)                 |                                           | Sample RPD | eQAPP RPD | Flag                                    |
|---------|----------------------------------------|-------------------------------------------|------------|-----------|-----------------------------------------|
|         | ARCH-C14E-EXT-1 TO 2-240412-L-WF (TOT) | ARCH-C14E-EXT-1 1 2-240412-L-DUP-WF (TOT) |            |           |                                         |
| LEAD    | 36                                     | 120                                       | 108        | 100.00    | J (all detects)<br>UJ (all non-detects) |

Method: Metals

| Analyte | Concentration (ug/ft2) |     | RPD<br>(≤ 100) | Qualifiers (Parents Only) |
|---------|------------------------|-----|----------------|---------------------------|
|         | 1                      | 2   |                |                           |
| Lead    | 36                     | 120 | 108            | Jdet/A                    |



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

| Standard ID | Type of Analysis | Element | Found (mg/L) | True (mg/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|-------------|------------------|---------|--------------|-------------|-----------------|-------------|------------------|
| ICV         | ICP              | Pb      | 1.088        | 1.000       | 109             | 109         | Y                |
| CCV         | ICP              | ↓       | 1.081        | 1.000       | 108             | 108         | Y                |
| LLCC        | ICP              |         |              |             |                 |             |                  |
| ICSAB       | ICP              | ↓       | 1.053        | 1.000       | 105             | 105         | 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<br>%R/RPD/%D | Reported<br>%R/RPD/%D | Acceptable (Y/N) |
|--------------|------------------|---------|-----------|------------|---------------------------|-----------------------|------------------|
| QC1144512    | LCS              | Pb      | 55.17     | 50         | 110                       | 110                   | Y                |
| NA           | MS               |         |           |            |                           |                       |                  |
| QC1144512,13 | Duplicate        | Pb      | 55.17     | 54.44      | 1                         | 1                     | Y                |
| NA           | PDS              |         |           |            |                           |                       |                  |
| NA           | Serial dilution  |         |           |            |                           |                       |                  |

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

| Sample ID | Analyte | Raw Data (mg/L) | Dilution | Wipe Sample Area (ft^2) | Final Volume (unit) | Reported Result (mg/ft^2) | Recalculated Result (mg/ft^2) | Acceptable (Y/N) |
|-----------|---------|-----------------|----------|-------------------------|---------------------|---------------------------|-------------------------------|------------------|
| 1         | Pb      | 0.7249          | 1        | 1                       | 50                  | 36                        | 36                            | Y                |
| 2         | ↓       | 2.402           | 1        | 1                       | 50                  | 120                       | 120                           | Y                |
| 3         | ↓       | 5.589           | 1        | 1.01                    | 50                  | 280                       | 277                           | Y                |
| 4         | ↓       | 0.6571          | 1        | 1.01                    | 50                  | 33                        | 33                            | Y                |
| 5         | ↓       | 0.1671          | 1        | 1                       | 50                  | 8.4                       | 8.4                           | Y                |
| 6         | ↓       | 0.4863          | 1        | 1                       | 50                  | 24                        | 24                            | Y                |
| 7         | ↓       | 0.2894          | 1        | 1                       | 50                  | 24                        | 24                            | Y                |
| 8         | ↓       | 1.607           | 1        | 1.0552                  | 50                  | 76                        | 76                            | Y                |
| 9         | ↓       | 0.6453          | 1        | 1                       | 50                  | 33                        | 33                            | Y                |
| 10        | ↓       | 0.4097          | 1        | 1                       | 50                  | 20                        | 20                            | Y                |
| 11        | ↓       | 0.5415          | 1        | 1                       | 50                  | 27                        | 24                            | Y                |

# Quality Control Outlier Reports

506863

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58899C4b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 506863

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 5/6/24

Page: 1 of 2

Reviewer: SC

2nd Reviewer: BN

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                              |     | Comments              |
|-------|----------------------------------------------|-----|-----------------------|
| I.    | Sample receipt/Technical holding times       | A A |                       |
| II.   | Instrument Calibration                       | N   |                       |
| III.  | ICP Interference Check Sample (ICS) Analysis | N   |                       |
| IV.   | Laboratory Blanks                            | A   |                       |
| V.    | Field Blanks                                 | SW  | 15 = FB 16 = MEDBLANK |
| VI.   | Matrix Spike/Matrix Spike Duplicates         | N   |                       |
| VII.  | Duplicate sample analysis                    | N   |                       |
| VIII. | Serial Dilution                              | N   |                       |
| IX.   | Laboratory control samples                   | A   |                       |
| X.    | Field Duplicates                             | SW  | (5,6) , (8,18)        |
| XI.   | Target Analyte Quantitation                  | N   |                       |
| XII.  | Overall Assessment of Data                   | A   |                       |

Note: A = Acceptable  
N = Not provided/applicable  
SW = See worksheet

ND = No compounds detected  
R = Rinsate  
FB = Field blank

D = Duplicate  
TB = Trip blank  
EB = Equipment blank

SB=Source blank  
OTHER:

|    | Client ID                                     | Lab ID     | Matrix | Date     |
|----|-----------------------------------------------|------------|--------|----------|
| 1  | ARCH-C14E-DG-5 TO 5.5-240422-L-FB             | 506863-001 | Wipe   | 04/22/24 |
| 2  | ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-L-LA | 506863-001 | Wipe   | 04/22/24 |
| 3  | ARCH-C14E-PS-5.5-240422-L-G                   | 506863-003 | Wipe   | 04/22/24 |
| 4  | ARCH-C14E-EXT-5 TO 6-240422-L-WF              | 506863-004 | Wipe   | 04/22/24 |
| 5  | ARCH-C14E-DG-5.5 TO 6-240422-L-FB             | 506863-005 | Wipe   | 04/22/24 |
| 6  | ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB         | 506863-006 | Wipe   | 04/22/24 |
| 7  | ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-L-LA | 506863-004 | Wipe   | 04/22/24 |
| 8  | ARCH-C14E-DG-6 TO 6.5-240422-L-FB             | 506863-005 | Wipe   | 04/22/24 |
| 9  | ARCH-C14E-PS-6.5-240422-L-G                   | 506863-009 | Wipe   | 04/22/24 |
| 10 | ARCH-C14E-DG-6.5 TO 7-240422-L-FB             | 506863-010 | Wipe   | 04/22/24 |
| 11 | ARCH-C14E-PS-7-240422-L-G                     | 506863-011 | Wipe   | 04/22/24 |
| 12 | ARCH-C14E-INT-7 TO 7.5-240422-L-WF            | 506863-012 | Wipe   | 04/22/24 |
| 13 | ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-L-LA   | 506863-011 | Wipe   | 04/22/24 |
| 14 | ARCH-C14E-EXT-8 TO 9-240422-L-WF              | 506863-014 | Wipe   | 04/22/24 |
| 15 | 240422-L-FIELDBLANK2-LO                       | 506863-014 | Wipe   | 04/22/24 |
| 16 | 240422-L-MEDBLANK2-LO                         | 506863-016 | Wipe   | 04/22/24 |
| 17 | ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-L-LA   | 506863-017 | Wipe   | 04/22/24 |

LDC #: 58899C4b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 506863

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 5/6/24

Page: 2 of 2

Reviewer: JL

2nd Reviewer: AM

**METHOD:** Lead (EPA SW-846 Method 6010B)

|    | Client ID                             | Lab ID     | Matrix | Date     |
|----|---------------------------------------|------------|--------|----------|
| 18 | ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB | 506863-018 | Wipe   | 04/22/24 |
| 19 |                                       |            |        |          |
| 20 |                                       |            |        |          |
| 21 |                                       |            |        |          |

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Field Blank Contamination Report

Lab Reporting Batch ID: 506863

Laboratory: Enthalpy Orange

EDD Filename: Prep506863

Moffett\_Hangar\_1\_NTCRA\_Enthalpy\_230919

Method: 6010B

Matrix: WIPE

| Analyte | Sample                      | Concentration (ug/ft2) | Flag                  |
|---------|-----------------------------|------------------------|-----------------------|
| LEAD    | 240422-L-<br>FIELDBLANK2-LO | 0.8                    | No Qualifiers Applied |

# Field Duplicate RPD Report

Lab Reporting Batch ID: 506863

Laboratory: Enthalpy Orange

EDD Filename: 506863

eQAPP Name:

Method: 6010B

Matrix: WIPE

| Analyte | Concentration (ug/ft2)            |                                       | Sample RPD | eQAPP RPD | Flag                  |
|---------|-----------------------------------|---------------------------------------|------------|-----------|-----------------------|
|         | ARCH-C14E-DG-5.5 TO 6-240422-L-FB | ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB |            |           |                       |
| LEAD    | 100                               | 51                                    | 65         | 100.00    | No Qualifiers Applied |

| Analyte | Concentration (ug/ft2)                  |                                       | Sample RPD | eQAPP RPD | Flag                  |
|---------|-----------------------------------------|---------------------------------------|------------|-----------|-----------------------|
|         | ARCH-C14E-DG-6 TO 6.5-240422-L-FB (TOT) | ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB |            |           |                       |
| LEAD    | 20                                      | 23                                    | 14         | 100.00    | No Qualifiers Applied |



# Quality Control Outlier Reports

~~506865~~

SDG# 506865 does not contain samples collected  
within the Low Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58899D4b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 506865

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 5/6/24

Page: 1 of 2

Reviewer: JC

2nd Reviewer: BM

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                              |      | Comments                       |
|-------|----------------------------------------------|------|--------------------------------|
| I.    | Sample receipt/Technical holding times       | A, A |                                |
| II.   | Instrument Calibration                       | N    |                                |
| III.  | ICP Interference Check Sample (ICS) Analysis | N    |                                |
| IV.   | Laboratory Blanks                            | A    |                                |
| V.    | Field Blanks                                 | SW   | FB = 21, 23 Med Blank = 22, 24 |
| VI.   | Matrix Spike/Matrix Spike Duplicates         | N    |                                |
| VII.  | Duplicate sample analysis                    | N    |                                |
| VIII. | Serial Dilution                              | N    |                                |
| IX.   | Laboratory control samples                   | A    | LC5/LCSD                       |
| X.    | Field Duplicates                             | SW   | (7, 8), (12, 14)               |
| 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-C13E-LAT-L2-UP-C13.2-VS-240422-L-I     | 506865-001 | Wipe   | 04/22/24 |
| 2  | AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-L-I     | 506865-002 | Wipe   | 04/22/24 |
| 3  | AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-L-FB   | 506865-002 | Wipe   | 04/22/24 |
| 4  | AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-L-I     | 506865-004 | Wipe   | 04/22/24 |
| 5  | AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-L-LA    | 506865-005 | Wipe   | 04/22/24 |
| 6  | AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-L-LA    | 506865-005 | Wipe   | 04/22/24 |
| 7  | AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-WF     | 506865-002 | Wipe   | 04/22/24 |
| 8  | AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-DUP-WF | 506865-005 | Wipe   | 04/22/24 |
| 9  | AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-L-FB   | 506865-005 | Wipe   | 04/22/24 |
| 10 | AFRAME-C13E-MED-L1-UP-C13.6-DG-2407422-L-SS   | 506865-010 | Wipe   | 04/22/24 |
| 11 | AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-L-LA    | 506865-011 | Wipe   | 04/22/24 |
| 12 | AFRAME-C14E-LAT-L1-HS-3-240422-L-A            | 506865-010 | Wipe   | 04/22/24 |
| 13 | AFRAME-C14E-MED-L1-HS-3-240422-L-A            | 506865-013 | Wipe   | 04/22/24 |
| 14 | AFRAME-C14E-LAT-L1-HS-3-240422-L-DUP-A        | 506865-010 | Wipe   | 04/22/24 |
| 15 | AFRAME-C14E-MED-L1-HS-3-240422-L-G            | 506865-015 | Wipe   | 04/22/24 |
| 16 | AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-L-LA    | 506865-010 | Wipe   | 04/22/24 |
| 17 | AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-L-CB    | 506865-017 | Wipe   | 04/22/24 |

LDC #: 58899D4b

**VALIDATION COMPLETENESS WORKSHEET**

SDG #: 506865

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 5/6/24

Page: 2 of 2

Reviewer: JC

2nd Reviewer: DM

**METHOD:** Lead (EPA SW-846 Method 6010B)

|    | Client ID                                  | Lab ID     | Matrix | Date     |
|----|--------------------------------------------|------------|--------|----------|
| 18 | AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-L-WF  | 506865-018 | Wipe   | 04/22/24 |
| 19 | AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-L-SS | 506865-019 | Wipe   | 04/22/24 |
| 20 | AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-L-CB | 506865-020 | Wipe   | 04/22/24 |
| 21 | 240422-L-FIELDBLANK1-HO                    | 506865-021 | Wipe   | 04/22/24 |
| 22 | 240422-L-MEDBLANK1-HO                      | 506865-021 | Wipe   | 04/22/24 |
| 23 | 240422-L-FIELDBLANK2-HO                    | 506865-023 | Wipe   | 04/22/24 |
| 24 | 240422-L-MEDBLANK2-HO                      | 506865-023 | Wipe   | 04/22/24 |
| 25 |                                            |            |        |          |
| 26 |                                            |            |        |          |
| 27 |                                            |            |        |          |

Notes:

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## Field Blank Contamination Report

Lab Reporting Batch ID: 506865

Laboratory: Enthalpy Orange

EDD Filename: Prep506865

Moffett\_Hangar\_1\_NTCRA\_Enthalpy\_230919

Method: 6010B

Matrix: WIPE

| Analyte | Sample                      | Concentration (ug/ft2) | Flag                  |
|---------|-----------------------------|------------------------|-----------------------|
| LEAD    | 240422-L-<br>FIELDBLANK2-HO | 0.92                   | No Qualifiers Applied |

## Field Duplicate RPD Report

Lab Reporting Batch ID: 506865

Laboratory: Enthalpy Orange

EDD Filename: 506865

eQAPP Name:

Method: 6010B

Matrix: WIPE

| Analyte | Concentration (ug/ft2)             |                                   | Sample RPD | eQAPP RPD | Flag                  |
|---------|------------------------------------|-----------------------------------|------------|-----------|-----------------------|
|         | AFRAME-C14E-LAT-L1-HS-3-240422-L-A | AFRAME-C14E-LAT-L1-HS-3-240422-L- |            |           |                       |
| LEAD    | 110                                | 100                               | 10         | 100.00    | No Qualifiers Applied |

| Analyte | Concentration (ug/ft2)                |                                       | Sample RPD | eQAPP RPD | Flag                  |
|---------|---------------------------------------|---------------------------------------|------------|-----------|-----------------------|
|         | AFRAME-C14E-MED-L2-EXT-0 TO 1-240422- | AFRAME-C14E-MED-L2-EXT-0 TO 1-240422- |            |           |                       |
| LEAD    | 77                                    | 47                                    | 48         | 100.00    | No Qualifiers Applied |

Project Name and Number: 20-10491 - Hangar 1 NTCRA

5/8/2024 10:52:11 AM

ADR version 1.9.0.325

Page 1 of 1

# Quality Control Outlier Reports

~~506868~~

SDG# 506868 does not contain samples collected  
within the Low Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58899E3b  
SDG #: 506868  
Laboratory: Enthalpy Analytical, Orange, CA

**VALIDATION COMPLETENESS WORKSHEET**  
Stage 3

Date: 5/7/21  
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 ICV ≤ 5 |
| III.  | Continuing calibration                 | A   | CV ≤ 15            |
| IV.   | Laboratory Blanks                      | A   |                    |
| V.    | Field blanks                           | ND  | FB = 11            |
| VI.   | Surrogate spikes                       | A   |                    |
| VII.  | Matrix spike/Matrix spike duplicates   | N   | CS                 |
| VIII. | Laboratory control samples             | A   |                    |
| IX.   | Field duplicates                       | ND  | D = 1.2            |
| X.    | Target analyte quantitation            | A   |                    |
| XI.   | Target analyte identification          | A   |                    |
| XII.  | Overall assessment of data             | A   |                    |

Note: A = Acceptable  
N = Not provided/applicable  
SW = See worksheet

ND = No compounds detected  
R = Rinsate  
FB = Field blank

D = Duplicate  
TB = Trip blank  
EB = Equipment blank

SB=Source blank  
OTHER:

|    | Client ID                                      | Lab ID     | Matrix | Date     |
|----|------------------------------------------------|------------|--------|----------|
| 1  | AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA     | 506868-001 | Wipe   | 04/22/24 |
| 2  | AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA | 506868-002 | Wipe   | 04/22/24 |
| 3  | AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA     | 506868-001 | Wipe   | 04/22/24 |
| 4  | AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF      | 506868-002 | Wipe   | 04/22/24 |
| 5  | AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA     | 506868-001 | Wipe   | 04/22/24 |
| 6  | AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF      | 506868-010 | Wipe   | 04/22/24 |
| 7  | AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA     | 506868-002 | Wipe   | 04/22/24 |
| 8  | AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA     | 506868-015 | Wipe   | 04/22/24 |
| 9  | AFRAME-C14E-MED-L2-HS-1-240422-P-G             | 506868-015 | Wipe   | 04/22/24 |
| 10 | AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I      | 506868-019 | Wipe   | 04/22/24 |
| 11 | 240422-P-FIELDBLANK1-HO                        | 506868-021 | Wipe   | 04/22/24 |
| 12 | AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA     | 506868-021 | Wipe   | 04/22/24 |
| 13 |                                                |            |        |          |

Notes:

|        |  |  |  |  |  |
|--------|--|--|--|--|--|
| 338600 |  |  |  |  |  |
|        |  |  |  |  |  |
|        |  |  |  |  |  |
|        |  |  |  |  |  |

LDC #: 588 99 E 36

# VALIDATION FINDINGS CHECKLIST

Page: 1 of 2  
Reviewer: 17

Method: GC HPLC

| Validation Area                                                                                                             | Yes                                 | No                                  | NA                                  | Findings/Comments |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| <b>I. Technical holding times</b>                                                                                           |                                     |                                     |                                     |                   |
| Were all technical holding times met?                                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was cooler temperature criteria met?                                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIa. Initial calibration</b>                                                                                             |                                     |                                     |                                     |                   |
| Did the laboratory perform a 5 point calibration prior to sample analysis?                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent relative standard deviations (%RSD) < 20%?                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990? | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the RT windows properly established?                                                                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IIb. Initial calibration verification</b>                                                                                |                                     |                                     |                                     |                   |
| Was an initial calibration verification standard analyzed after each initial calibration for each instrument?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) < <sup>15</sup> 20%? <i>Blake Munnell 5/10/2024</i>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>III. Continuing calibration</b>                                                                                          |                                     |                                     |                                     |                   |
| Was a continuing calibration analyzed daily?                                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all percent differences (%D) < <sup>15</sup> 20%? <i>Blake Munnell 5/10/2024</i>                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were all the retention times within the acceptance windows?                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>IV. Laboratory Blanks</b>                                                                                                |                                     |                                     |                                     |                   |
| Was a laboratory blank associated with every sample in this SDG?                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was a laboratory blank analyzed for each matrix and concentration?                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Was there contamination in the laboratory blanks?                                                                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>V. Field Blanks</b>                                                                                                      |                                     |                                     |                                     |                   |
| Were field blanks identified in this SDG?                                                                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were target analytes detected in the field blanks?                                                                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>VI. Surrogate spikes</b>                                                                                                 |                                     |                                     |                                     |                   |
| Were all surrogate percent recovery (%R) within the QC limits?                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| If any %R was less than 10 percent, was a reanalysis performed to confirm %R?                                               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VII. Matrix spike/Matrix spike duplicates</b>                                                                            |                                     |                                     |                                     |                   |
| Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?                                               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?                    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>VIII. Laboratory control samples</b>                                                                                     |                                     |                                     |                                     |                   |
| Was an LCS analyzed per analytical or extraction batch?                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |



LDC #: 54899E3D

## VALIDATION FINDINGS CHECKLIST

Page: 2 of 2  
Reviewer: fn

| Validation Area                                                                                                                      | Yes                                 | No                                  | NA                                  | Findings/Comments |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| <b>IX. Field duplicates</b>                                                                                                          |                                     |                                     |                                     |                   |
| Were field duplicate pairs identified in this SDG?                                                                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were target analytes detected in the field duplicates?                                                                               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| <b>X. Target analyte quantitation</b>                                                                                                |                                     |                                     |                                     |                   |
| Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?                                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were relative percent difference (RPD) of the results between two columns $\leq 40\%$ ?                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| <b>XI. Target analyte identification</b>                                                                                             |                                     |                                     |                                     |                   |
| Were the retention times of reported detects within the RT windows?                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Were manual integrations reviewed and found acceptable?                                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Did the laboratory provide before and after integration printouts?                                                                   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   |
| <b>XIII. Overall assessment of data</b>                                                                                              |                                     |                                     |                                     |                   |
| Overall assessment of data was found to be acceptable.                                                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |

## 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 #: 388 99E3b

**VALIDATION FINDINGS WORKSHEET**  
**Initial Calibration Calculation Verification**

Page: 1 of 1  
Reviewer: FT

METHOD: PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C

average CF = sum of the CF/number of standards

%RSD = 100 \* (S/X)

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

| # | Standard ID | Calibration Date | Compound           | Reported<br>250ug/L | Recalculated<br>250ug/L | Reported<br>Average CF<br>(Initial) | Recalculated<br>Average CF<br>(Initial) | Reported<br>%RSD | Recalculated<br>%RSD |
|---|-------------|------------------|--------------------|---------------------|-------------------------|-------------------------------------|-----------------------------------------|------------------|----------------------|
|   | ICAL        | 3/26/2024        | Aroclor 1260-1 ChA | 0.0594              | 0.0594                  | 0.0612                              | 0.0612                                  | 16               | 16                   |
|   | GC06        |                  | Aroclor 1260-1 ChB | 0.0528              | 0.0528                  | 0.0560                              | 0.0560                                  | 18               | 18                   |

LDC #: 58899E36**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 | ceV         | 4/24/24<br>1303  | Aroclor 1260 d1Δ | 500.0                       | 532.4         | 532.4         | 6        | 6            |
|   |             |                  | CHP              | ↓                           | 486.4         | 486.4         | 3        | 3            |
|   |             |                  |                  |                             |               |               |          |              |
| 2 |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
| 3 |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
| 4 |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |
|   |             |                  |                  |                             |               |               |          |              |

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 588 99E3h

# **VALIDATION FINDINGS WORKSHEET** **Surrogate Results Verification**

Page: 1 of 1  
 Reviewer: FT

METHOD: GC HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery:  $SF/SS * 100$ 

Where: SF = Surrogate Found  
 SS = Surrogate Spiked

Sample ID: #1

| Surrogate | Column/Detector | Surrogate Spiked | Surrogate Found | Percent Recovery | Percent Recovery | Percent Difference |
|-----------|-----------------|------------------|-----------------|------------------|------------------|--------------------|
|           |                 |                  |                 | Reported         | Recalculated     |                    |
| TCMX      | Ch B            | 50               | 34.6653         | 69               | 69               | 0                  |
| PCB       | ↓               | ↓                | 25.6140         | 51               | 51               | 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 #: 588 99E3b

## 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: 33 8600 - 10210

[illegible]

Comments:

LDC #: 58899E3h**VALIDATION FINDINGS WORKSHEET**  
**Sample Calculation Verification**Page: 1 of 1  
Reviewer: FTMETHOD: ☒ GC ☐ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID. 338600-LC5 Acroclor 1260

A= Area or height of the target analyte to be measured

Fv= Final Volume of extract

Df= Dilution Factor

RF= Average response factor of the target analyte  
in the initial calibration

Vs= Initial volume of the sample

Ws= Initial weight of the sample

%S= Percent Solid

$$\text{Concentration} = \frac{352.84 (10)}{(1)(1000)} = 3.5284$$

| # | Sample ID             | Target analyte          | Reported Concentrations <sup>2</sup><br>(ug/100cm) | Recalculated Results Concentrations <sup>2</sup><br>(ug/100cm) | Qualifications |
|---|-----------------------|-------------------------|----------------------------------------------------|----------------------------------------------------------------|----------------|
|   | <u>LC5</u>            | <u>Acroclor 1260</u>    | <u>3.529</u>                                       | <u>3.5284</u>                                                  |                |
|   | <u>1260-1 = 50090</u> | <u>447.057 (20.0</u>    | <u>1260-1 =</u>                                    | <u>405.5</u>                                                   |                |
|   | <u>441200</u>         | <u>51.005 (0.0960 )</u> | <u>2 =</u>                                         | <u>402.9</u>                                                   |                |
|   |                       | <u>= 405.5</u>          | <u>3 =</u>                                         | <u>338.7</u>                                                   |                |
|   |                       |                         | <u>4 =</u>                                         | <u>322.9</u>                                                   |                |
|   |                       |                         | <u>5 =</u>                                         | <u>294.2</u>                                                   |                |
|   |                       |                         |                                                    | <u>352.84</u>                                                  |                |

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58899E4b

# VALIDATION COMPLETENESS WORKSHEET

SDG #: 506868

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 5/6/24

Page: 1 of 1

Reviewer: JC

2nd Reviewer: RM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

|       | Validation Area                              |      | Comments |
|-------|----------------------------------------------|------|----------|
| I.    | Sample receipt/Technical holding times       | A, A |          |
| II.   | Instrument Calibration                       | A    |          |
| III.  | ICP Interference Check Sample (ICS) Analysis | 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   | (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-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA    | 506868-003 | Wipe   | 04/22/24 |
| 2  | AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA    | 506868-003 | Wipe   | 04/22/24 |
| 3  | AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF     | 506868-003 | Wipe   | 04/22/24 |
| 4  | AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA    | 506868-003 | Wipe   | 04/22/24 |
| 5  | AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF     | 506868-011 | Wipe   | 04/22/24 |
| 6  | AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF | 506868-012 | Wipe   | 04/22/24 |
| 7  | AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA    | 506868-012 | Wipe   | 04/22/24 |
| 8  | AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA    | 506868-016 | Wipe   | 04/22/24 |
| 9  | AFRAME-C14E-MED-L2-HS-1-240422-L-G            | 506868-018 | Wipe   | 04/22/24 |
| 10 | AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I     | 506868-020 | Wipe   | 04/22/24 |
| 11 | AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA    | 506868-022 | Wipe   | 04/22/24 |
| 12 |                                               |            |        |          |
| 13 |                                               |            |        |          |
| 14 |                                               |            |        |          |
| 15 |                                               |            |        |          |

Notes:



[illegible]

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| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)                                                                                           |     |    |    |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----------|
| Validation Area                                                                                                                                    | Yes | No | NA | Comments |
| <b>I. Technical holding times</b>                                                                                                                  |     |    |    |          |
| Were all technical holding times met?                                                                                                              | Yes |    |    |          |
| Were all water samples preserved to a pH of <2.                                                                                                    |     |    | NA |          |
| <b>II. ICP-MS Tune</b>                                                                                                                             |     |    |    |          |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?                                                                      |     |    | NA |          |
| Were %RSDs of isotopes in the tuning solution ≤5%?                                                                                                 |     |    | NA |          |
| <b>III. Calibration</b>                                                                                                                            |     |    |    |          |
| Were all instruments calibrated daily?                                                                                                             | Yes |    |    |          |
| Were the proper standards used?                                                                                                                    | Yes |    |    |          |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?                                      | Yes |    |    |          |
| Were the low level standard checks within 70-130%?                                                                                                 |     |    | NA |          |
| Were all initial calibration correlation coefficients within limits as specified by the method?                                                    | Yes |    |    |          |
| <b>IV. Interference Check Sample</b>                                                                                                               |     |    |    |          |
| Were the interference check samples performed daily?                                                                                               | Yes |    |    |          |
| Were the AB solution recoveries within 80-120%?                                                                                                    | Yes |    |    |          |
| <b>V. Blanks</b>                                                                                                                                   |     |    |    |          |
| Was a method blank associated with every sample in this SDG?                                                                                       | Yes |    |    |          |
| Was there contamination in the method blanks?                                                                                                      |     | No |    |          |
| Was there contamination in the initial and continuing calibration blanks?                                                                          |     | No |    |          |
| <b>VI. Field Blanks</b>                                                                                                                            |     |    |    |          |
| Were field blanks identified in this SDG?                                                                                                          |     |    | NA |          |
| Were target analytes detected in the field blanks?                                                                                                 |     |    | NA |          |
| <b>VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates</b>                                                                             |     |    |    |          |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) |     |    | NA |          |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?                                                  |     |    | NA |          |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

|                                                                                                               |     |  |    |  |
|---------------------------------------------------------------------------------------------------------------|-----|--|----|--|
| <b>IX. Serial Dilution</b>                                                                                    |     |  |    |  |
| Were all percent differences <10%?                                                                            |     |  | NA |  |
| Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data. |     |  | NA |  |
| <b>X. Laboratory Control Samples</b>                                                                          |     |  |    |  |
| Was a LCS analyzed for each batch in the SDG?                                                                 | Yes |  |    |  |
| Were the LCS recoveries and RPDs (if applicable) within QC limits?                                            | Yes |  |    |  |
| <b>XI. Field Duplicates</b>                                                                                   |     |  |    |  |
| Were field duplicates identified in this SDG?                                                                 | Yes |  |    |  |
| Were target analytes detected in the field duplicates?                                                        | Yes |  |    |  |
| <b>VII. Internal Standards</b>                                                                                |     |  |    |  |
| Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?                      |     |  | NA |  |
| If the recoveries were outside the limits, was a reanalysis performed?                                        |     |  | NA |  |
| <b>XIII. Target Analyte Quantitation</b>                                                                      |     |  |    |  |
| Were all reporting limits adjusted to reflect sample                                                          | Yes |  |    |  |
| Were all soil samples dry weight corrected?                                                                   |     |  | NA |  |
| <b>XIV. Overall Assessment of Data</b>                                                                        |     |  |    |  |
| Was the overall assessment of the data found to be acceptable?                                                | Yes |  |    |  |

Interference Check Sample A

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

| Date      | Time  | Calibration ID | Analyte | Concentration (mg/L) | Limit (mg/L) | Associated Samples | Qualification*                     | Det/ND |
|-----------|-------|----------------|---------|----------------------|--------------|--------------------|------------------------------------|--------|
| 4/23/2024 | 10:58 | ICSA           | Pb      | 0.01439              | 0.13         | 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: 506868

Laboratory: Enthalpy Orange

EDD Filename: 506868

eQAPP Name:

Method: 6010B

Matrix: WIPE

| Analyte | Concentration (ug/ft2)                |                                       | Sample RPD | eQAPP RPD | Flag                  |
|---------|---------------------------------------|---------------------------------------|------------|-----------|-----------------------|
|         | AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422- | AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422- |            |           |                       |
| LEAD    | 110                                   | 130                                   | 17         | 100.00    | No Qualifiers Applied |

Method: Metals

| Analyte | Concentration (ug/ft2) |     | RPD<br>(≤ 100) | Qualifiers (Parents Only) |
|---------|------------------------|-----|----------------|---------------------------|
|         | 5                      | 6   |                |                           |
| Lead    | 110                    | 130 | 17             |                           |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

| Standard ID | Type of Analysis | Element | Found (ug/L) | True (ug/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|-------------|------------------|---------|--------------|-------------|-----------------|-------------|------------------|
| ICV         | ICP              | Pb      | 1.018        | 1.00        | 102             | 102         | Y                |
| CCV         | ICP              | ↓       | 1.017        | 1.00        | 102             | 102         | Y                |
| LLCC        | ICP              | ↓       |              |             |                 |             |                  |
| ICSAB       | ICP              | ↓       | 1.003        | 1.00        | 100             | 100         | Y                |
| ICV         | ICP-MS           |         |              |             |                 |             |                  |
| CCV         | ICP-MS           |         |              |             |                 |             |                  |
| LLCC        | ICP-MS           |         |              |             |                 |             |                  |
| ICSAB       | ICP-MS           |         |              |             |                 |             |                  |
| ICV         | CVAA             |         |              |             |                 |             |                  |
| CCV         | CVAA             |         |              |             |                 |             |                  |

| ICP-MS Tune | QC Parameter | Mass | Actual | Required  |
|-------------|--------------|------|--------|-----------|
|             | Mass Axis    |      |        | ± 0.1 amu |
|             | %RSD         |      |        | ≤ 5%      |

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<br>%R/RPD/%D | Reported<br>%R/RPD/%D | Acceptable (Y/N) |
|---------------|------------------|---------|-----------|------------|---------------------------|-----------------------|------------------|
| QC1147108     | LCS              | Pb      | 107.1     | 100        | 107                       | 107                   | Y                |
| NA            | MS               |         |           |            |                           |                       |                  |
| QC1147108, 09 | Duplicate        | Pb      | 107.1     | 109.7      | 2                         | 2                     | Y                |
| NA            | PDS              |         |           |            |                           |                       |                  |
| NA            | Serial dilution  |         |           |            |                           |                       |                  |



Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

| Sample ID | Analyte | Raw Data (mg/L) | Dilution | Wipe Sample Area (ft^2) | Final Volume (unit) | Reported Result (mg/ft^2) | Recalculated Result (mg/ft^2) | Acceptable (Y/N) |
|-----------|---------|-----------------|----------|-------------------------|---------------------|---------------------------|-------------------------------|------------------|
| 1         | Pb      | 3.226           | 1        | 1                       | 50                  | 160                       | 161                           | Y                |
| 2         | ↓       | 2.429           | 1        | 1                       | 50                  | 120                       | 121                           | Y                |
| 3         | ↓       | 2.559           | 1        | 1                       | 50                  | 130                       | 128                           | Y                |
| 4         | ↓       | 3.202           | 1        | 1                       | 50                  | 160                       | 160                           | Y                |
| 5         | ↓       | 2.263           | 1        | 1                       | 50                  | 110                       | 113                           | Y                |
| 6         | ↓       | 2.678           | 1        | 1                       | 50                  | 110                       | 134                           | Y                |
| 7         | ↓       | 1.662           | 1        | 1                       | 50                  | 83                        | 83                            | Y                |
| 8         | ↓       | 2.612           | 1        | 1                       | 50                  | 130                       | 131                           | Y                |
| 9         | ↓       | 6.533           | 1        | 1.0276                  | 50                  | 320                       | 318                           | Y                |
| 10        | ↓       | 2.807           | 1        | 1                       | 50                  | 130                       | 140                           | Y                |
| 11        | ↓       | 0.671           | 1        | 1                       | 50                  | 34                        | 34                            | Y                |

# Attachment 6

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Clearance Sampling Summary and Laboratory Reports



## Clearance Wipe Sampling Results - Zone 7 [a]

Hangar 1 NTCRA  
Former Naval Station Moffett Field, California

|                                                    |             |      |           | Lead               |
|----------------------------------------------------|-------------|------|-----------|--------------------|
|                                                    |             |      |           | Result             |
| Location ID [b]                                    | Sample Date | Zone | Enclosure | µg/ft <sup>2</sup> |
| Clearance Goal                                     |             |      |           | <250               |
| CLEAR-ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240322-LA  | 03/22/2024  | 7    | C/D       | 37                 |
| CLEAR-SCAF-Z7ECD-L26-240322                        | 3/22/2024   | 7    | C/D       | 440                |
| CLEAR-ENC-Z7ECD-L26-240322                         | 03/22/2024  | 7    | C/D       | 190                |
| CLEAR-ARCH-C14W-INT-2.5 TO 3.5-240322-WF           | 03/22/2024  | 7    | C/D       | 70                 |
| CLEAR-SCAF-Z7ECD-L23-240322                        | 03/22/2024  | 7    | C/D       | 320                |
| CLEAR-ENC-Z7ECD-L23-240322                         | 03/22/2024  | 7    | C/D       | 120                |
| CLEAR-ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240322-LA  | 03/22/2024  | 7    | C/D       | 190                |
| CLEAR-SCAF-Z7ECD-L20-240322                        | 03/22/2024  | 7    | C/D       | 240                |
| CLEAR-ENC-Z7ECD-L20-240322                         | 03/22/2024  | 7    | C/D       | 360                |
| CLEAR-ARCH-C14W-DG-5 TO 5.5-240322-FB              | 03/22/2024  | 7    | C/D       | 17                 |
| CLEAR-SCAF-Z7ECD-L17-240322                        | 03/22/2024  | 7    | C/D       | 1300 b             |
| CLEAR-ENC-Z7ECD-L17-240322                         | 03/22/2024  | 7    | C/D       | 72                 |
| CLEAR-ARCH-C14W-EXT-6 TO 7-240322-WF               | 03/22/2024  | 7    | C/D       | 200                |
| CLEAR-SCAF-Z7ECD-L14-240322                        | 03/22/2024  | 7    | C/D       | 740 b              |
| CLEAR-ENC-Z7ECD-L14-240322                         | 03/22/2024  | 7    | C/D       | 32                 |
| CLEAR-ARCH-C14W-PS-7-240322-G                      | 03/22/2024  | 7    | C/D       | 61                 |
| CLEAR-SCAF-Z7ECD-L11-240322                        | 03/22/2024  | 7    | C/D       | 450                |
| CLEAR-ENC-Z7ECD-L11-240322                         | 03/22/2024  | 7    | C/D       | 130                |
| CLEAR-ARCH-C14W-EXT-8 TO 9-240325-WF               | 03/25/2024  | 7    | C/D       | 45                 |
| CLEAR-SCAF-Z7ECD-L8-240325                         | 03/25/2024  | 7    | C/D       | 83                 |
| CLEAR-ENC-Z7ECD-L8-240325                          | 03/25/2024  | 7    | C/D       | 83                 |
| CLEAR-ENC-Z7ECD-L8-240325-DUP                      | 03/25/2024  | 7    | C/D       | 75                 |
| CLEAR-AFRAME-C13W-MED-L3-UP-C13.3-DG-240325-LA     | 03/25/2024  | 7    | C/D       | 44                 |
| CLEAR-SCAF-Z7ECD-L6-240325                         | 03/25/2024  | 7    | C/D       | 220                |
| CLEAR-ENC-Z7ECD-L6-240325                          | 03/25/2024  | 7    | C/D       | 25                 |
| CLEAR-AFRAME-C13W-LAT-L2-UP-C13.7-VS-240325-I      | 03/25/2024  | 7    | C/D       | 6.2                |
| CLEAR-SCAF-Z7ECD-L4-240325                         | 03/25/2024  | 7    | C/D       | 280                |
| CLEAR-ENC-Z7ECD-L4-240325                          | 03/25/2024  | 7    | C/D       | 350                |
| CLEAR-AFRAME-C13W-MED-L1-UP-C13.6-DG-240325-SS     | 03/25/2024  | 7    | C/D       | 82                 |
| CLEAR-AFRAME-C13W-MED-L1-UP-C13.6-DG-240325-DUP-SS | 03/25/2024  | 7    | C/D       | 180                |
| CLEAR-SCAF-Z7ECD-L2-240325                         | 03/25/2024  | 7    | C/D       | 210                |
| CLEAR-ENC-Z7ECD-L2-240325                          | 03/25/2024  | 7    | C/D       | 84                 |
| CLEAR-FIELDBLANK-240322-LO                         | 03/22/2024  | 7    | C/D       | 4.4                |
| CLEAR-FIELDBLANK-240325-HO                         | 03/25/2024  | 7    | C/D       | <0.50              |
| CLEAR-MEDBLANK-240322-LO                           | 03/22/2024  | 7    | C/D       | <0.50              |
| CLEAR-MEDBLANK-240325-HO                           | 03/25/2024  | 7    | C/D       | <0.50              |
| Average Clearance Result: Zone 7 Enclosure C/D [c] |             |      |           | 219                |
| CLEAR-ARCH-C13E-DG-1TO 1.5-UP-C13.1-HS-240426-LA   | 04/26/2024  | 7    | A/B       | 41                 |
| CLEAR-SCAF-Z7EAB-L26-240426                        | 04/26/2024  | 7    | A/B       | 260                |
| CLEAR-ENC-Z7EAB-L26-240426                         | 04/26/2024  | 7    | A/B       | 22                 |
| CLEAR-ARCH-C14E-EXT-3 TO 4-240426-WF               | 04/26/2024  | 7    | A/B       | 61                 |
| CLEAR-SCAF-Z7EAB-L23-240426                        | 04/26/2024  | 7    | A/B       | 150                |
| CLEAR-ENC-Z7EAB-L23-240426                         | 04/26/2024  | 7    | A/B       | 92                 |
| CLEAR-ARCH-C13E-DG-4TO 4.5-DN-C13.5-VS-240426-LA   | 04/26/2024  | 7    | A/B       | 16                 |
| CLEAR-SCAF-Z7EAB-L20-240426                        | 04/26/2024  | 7    | A/B       | 120                |
| CLEAR-ENC-Z7EAB-L20-240426                         | 04/26/2024  | 7    | A/B       | 35                 |
| CLEAR-ARCH-C14E-DG-5 TO 5.5-240429-FB              | 04/29/2024  | 7    | A/B       | 24                 |
| CLEAR-SCAF-Z7EAB-L17-240429                        | 04/29/2024  | 7    | A/B       | 550                |
| CLEAR-ENC-Z7EAB-L17-240429                         | 04/29/2024  | 7    | A/B       | 53                 |
| CLEAR-ARCH-C13E-DG-6TO 6.5-UP-C13.4-HS-240429-LA   | 04/29/2024  | 7    | A/B       | 88                 |
| CLEAR-SCAF-Z7EAB-L14-240429                        | 04/29/2024  | 7    | A/B       | 270                |
| CLEAR-ENC-Z7EAB-L14-240429                         | 04/29/2024  | 7    | A/B       | 56                 |



## Clearance Wipe Sampling Results - Zone 7 [a]

Hangar 1 NTCRA  
Former Naval Station Moffett Field, California

|                                                    |             |      |           | Lead               |
|----------------------------------------------------|-------------|------|-----------|--------------------|
|                                                    |             |      |           | Result             |
| Location ID [b]                                    | Sample Date | Zone | Enclosure | µg/ft <sup>2</sup> |
| Clearance Goal                                     |             |      |           | <250               |
| CLEAR-ARCH-C14E-PS-7'-240429-G                     | 04/29/2024  | 7    | A/B       | 88                 |
| CLEAR-SCAF-Z7EAB-L11-240429                        | 04/29/2024  | 7    | A/B       | 400                |
| CLEAR-ENC-Z7EAB-L11-240429                         | 04/29/2024  | 7    | A/B       | 46                 |
| CLEAR-ARCH-C14E-EXT-8 TO 9-240429-WF               | 04/29/2024  | 7    | A/B       | 610                |
| CLEAR-SCAF-Z7EAB-L8-240429                         | 04/29/2024  | 7    | A/B       | 240                |
| CLEAR-ENC-Z7EAB-L8-240429                          | 04/29/2024  | 7    | A/B       | 82                 |
| CLEAR-ENC-Z7EAB-L8-240429-DUP                      | 04/29/2024  | 7    | A/B       | 32                 |
| CLEAR-AFRAME-C13E-LAT-L3-UP-C13.1-HS-240429-LA     | 04/29/2024  | 7    | A/B       | 140                |
| CLEAR-SCAF-Z7EAB-L6-240429                         | 04/29/2024  | 7    | A/B       | 180                |
| CLEAR-ENC-Z7EAB-L6-240429                          | 04/29/2024  | 7    | A/B       | 20                 |
| CLEAR-AFRAME-C13E-LAT-L2-UP-C13.7-VS-240429-I      | 04/29/2024  | 7    | A/B       | 31                 |
| CLEAR-SCAF-Z7EAB-L4-240429                         | 04/29/2024  | 7    | A/B       | 290                |
| CLEAR-ENC-Z7EAB-L4-240429                          | 04/29/2024  | 7    | A/B       | 91                 |
| CLEAR-AFRAME-C13E-MED-L1-UP-C13.6-DG-240429-SS     | 04/29/2024  | 7    | A/B       | 290                |
| CLEAR-AFRAME-C13E-MED-L1-UP-C13.6-DG-240429-DUP-SS | 04/29/2024  | 7    | A/B       | 130                |
| CLEAR-SCAF-Z7EAB-L2-240429                         | 04/29/2024  | 7    | A/B       | 950                |
| CLEAR-ENC-Z7EAB-L2-240429                          | 04/29/2024  | 7    | A/B       | 300                |
| CLEAR-FIELDBLANK-240426-LO                         | 04/26/2024  | 7    | A/B       | 0.94               |
| CLEAR-FIELDBLANK-240429-HO                         | 04/29/2024  | 7    | A/B       | 1.1                |
| CLEAR-MEDBLANK-240426-LO                           | 04/26/2024  | 7    | A/B       | <0.50              |
| CLEAR-MEDBLANK-240429-HO                           | 04/29/2024  | 7    | A/B       | <0.50              |
| Average Clearance Result: Zone 7 Enclosure A/B [c] |             |      |           | 187                |

### 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 cm<sup>2</sup>: micrograms per 100 square centimeters

µg/ft<sup>2</sup>: micrograms per square foot

### Notes:

[a] Per the Agency-approved PCB Wipe Sampling Reduction Memorandum dated September 13, 2023, collection of PCB clearance wipe samples is no longer required.

[b] Location ID corresponds to field ID in the Laboratory Analytical Reports.

[c] Media blank, field blank, and the lower of the duplicate clearance wipe sampling results were not used to calculate the average concentrations within the enclosure.

**Bolded** values indicate constituents detected above laboratory reporting limits.

**Shaded** values indicate constituents reported at concentrations above the Clearance Goal.



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

enthalpy.com

Lab Job Number : 504761  
Report Level : II  
Report Date : 03/25/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 504761  
 Project No: 20-10491  
 Location: Hangar 1 NTCRA  
 Date Received: 03/22/24

| Sample ID                                          | Lab ID     | Collected      | Matrix |
|----------------------------------------------------|------------|----------------|--------|
| CLEAR-ARCH-C13W-DG-1 TO1.5-UP-C13.1-HS-240322-L-LA | 504761-001 | 03/22/24 08:10 | Wipe   |
| CLEAR-SCAF-Z7ECD-L26-240322-L                      | 504761-002 | 03/22/24 08:15 | Wipe   |
| CLEAR-ENC-Z7ECD-L26-240322-L                       | 504761-003 | 03/22/24 08:20 | Wipe   |
| CLEAR-ARCH-C14W-INT-2.5 TO 3.5-240322-L-WF         | 504761-004 | 03/22/24 08:25 | Wipe   |
| CLEAR-SCAF-Z7ECD-L23-240322-L                      | 504761-005 | 03/22/24 08:30 | Wipe   |
| CLEAR-ENC-Z7ECD-L23-240322-L                       | 504761-006 | 03/22/24 08:35 | Wipe   |
| CLEAR-ARCH-C13W-DG-4 TO4.5-DN-C13.5-VS-240322-L-LA | 504761-007 | 03/22/24 08:15 | Wipe   |
| CLEAR-SCAF-Z7ECD-L20-240322-L                      | 504761-008 | 03/22/24 08:20 | Wipe   |
| CLEAR-ENC-Z7ECD-L20-240322-L                       | 504761-009 | 03/22/24 08:25 | Wipe   |
| CLEAR-ARCH-C14W-DG-5 TO 5.5-240322-L-FB            | 504761-010 | 03/22/24 08:30 | Wipe   |
| CLEAR-SCAF-Z7ECD-L17-240322-L                      | 504761-011 | 03/22/24 08:35 | Wipe   |
| CLEAR-ENC-Z7ECD-L17-240322-L                       | 504761-012 | 03/22/24 08:40 | Wipe   |
| CLEAR-ARCH-C14W-EXT-6 TO 7-240322-L-WF             | 504761-013 | 03/22/24 08:45 | Wipe   |
| CLEAR-SCAF-Z7ECD-L14-240322-L                      | 504761-014 | 03/22/24 08:50 | Wipe   |
| CLEAR-ENC-Z7ECD-L14-240322-L                       | 504761-015 | 03/22/24 08:55 | Wipe   |
| CLEAR-ARCH-C14W-PS-7-240322-L-G                    | 504761-016 | 03/22/24 08:55 | Wipe   |
| CLEAR-SCAF-Z7ECD-L11-240322-L                      | 504761-017 | 03/22/24 09:00 | Wipe   |
| CLEAR-ENC-Z7ECD-L11-240322-L                       | 504761-018 | 03/22/24 09:05 | Wipe   |
| CLEAR-FIELDBLANK-240322-L-LO                       | 504761-019 | 03/22/24 08:10 | Wipe   |
| CLEAR-MEDBLANK-240322-L-LO                         | 504761-020 | 03/22/24 09:45 | Wipe   |

## Case Narrative

---

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

Lab Job 504761  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

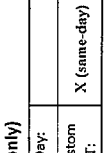
Date Received: 03/22/24

---

This data package contains sample and QC results for twenty wipe samples, requested for the above referenced project on 03/25/24. The samples were received cold and intact.

### **Metals (EPA 6010B):**

- An exceedance on lead was observed in an interference check standard, however there are no relevant interferents 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

COC ID:

Page:

1 of

Standard:

5 Day:

3 Day:

Turn Around Time (rush by advanced notice only)

Custom

TAT:

X (same-day)

W = Water

DW = Drinking Water

SD = Sediment PP = Pure Product

SEA = Sea Water

SW = Swab

T = Tissue

WP = Wipe

O = Other

Matrix:

A = Air

S = Soil/Solid

1 = Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub>

2 = HCl

3 = HNO<sub>3</sub>

4 = H<sub>2</sub>SO<sub>4</sub>

5 = NaOH

6 = Other

Preservatives:

Report: Level II

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:

D. Wiegman, T. S. Smith

CUSTOMER INFORMATION

Company:

Rincon Consultants, Inc.

Report To:

Lindsay Parker

Email:

lparker@rinconconsultants.com

Address:

449 15th Street, Suite 303

Address:

Oakland, California 94612

Phone:

(651) 890-5555

Fax:

Sample ID

Sample

Sampling Date

Sampling Time

Matrix

Container No. / Size

Pres.

1

CLEAR-ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240322-L-LA

3/22/2024

0810

WP

1

X

2

CLEAR-SCAF-Z7BCD-L26-240322-L

3/22/2024

0815

WP

1

X

3

CLEAR-ENC-Z7BCD-L26-240322-L

3/22/2024

0820

WP

1

X

4

CLEAR-ARCH-C14W-INT-2.5 TO 3.5-240322-L-WF

3/22/2024

0825

WP

1

X

5

CLEAR-SCAF-Z7BCD-L23-240322-L

3/22/2024

0830

WP

1

X

6

CLEAR-ENC-Z7BCD-L23-240322-L

3/22/2024

0835

WP

1

X

7

CLEAR-ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240322-L-LA

3/22/2024

0815

WP

1

X

8

CLEAR-SCAF-Z7BCD-L20-240322-L

3/22/2024

0820

WP

1

X

9

CLEAR-ENC-Z7BCD-L20-240322-L

3/22/2024

0825

WP

1

X

10

CLEAR-ARCH-C14W-DG-5 TO 5.5-240322-L-FB

3/22/2024

0830

WP

1

X

11

CLEAR-SCAF-Z7BCD-L17-240322-L

3/22/2024

0835

WP

1

X

12

CLEAR-ENC-Z7BCD-L17-240322-L

3/22/2024

0840

WP

1

X

13

CLEAR-ARCH-C14W-EXT-6 TO 7-240322-L-WF

3/22/2024

0845

WP

1

X

14

CLEAR-SCAF-Z7BCD-L14-240322-L

3/22/2024

0850

WP

1

X

15

CLEAR-ENC-Z7BCD-L14-240322-L

3/22/2024

0855

WP

1

X

Lead - EPA Method 3050/60108

Analysis Request

Test Instructions / Comments

HOLD

Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy)

2x Part Type Z = 0.020013

Clearance Wipe Samples - Level II

Report/Stage 2A Validation

Report lead concentrations on a µg/m<sup>3</sup> basis

Signature

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Print Name

Tyler S. Smith

D. Wiegman

T. S. Smith

Tyler S. Smith

Company / Title

Rincon/Envi. Scientist

EA

EA

EA

Date / Time

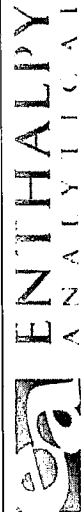
3/22/24 / 12:55

3/22/24 / 12:55

3/22/24 / 12:55

3/22/24 / 10:30





# 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: 2 of 2                                                                                                                                        |                                           |                                          |        | Standard: 5 Day: 1 Day: 3 Day: X (same-day)                                                                                          |       |                              |                  |
| Page: 2 of 2                                                                                                                                          |                                           |                                          |        | Preservatives: 1 = H <sub>2</sub> SO <sub>4</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other |       |                              |                  |
| Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other |                                           |                                          |        | Report Level II (lab use only)                                                                                                       |       |                              |                  |
| PROJECT INFORMATION                                                                                                                                   |                                           |                                          |        | Analysis Request                                                                                                                     |       |                              |                  |
| CUSTOMER INFORMATION                                                                                                                                  |                                           |                                          |        | Test Instructions / Comments                                                                                                         |       |                              |                  |
| Company: Rincon Consultants, Inc.                                                                                                                     | Quote #: RIN031721                        | Proj. Name: Hanger 1 - NCTRA WP          |        | Clearance Wipe Samples - Level II, Report/Stage 2A Validation                                                                        |       |                              |                  |
| Report To: Lindsay Parker                                                                                                                             | Proj. #: 20-10491                         | P.O. #: 158 Cody Road, Mountain View, CA |        | Report lead concentrations on a µg/ft <sup>2</sup> basis                                                                             |       |                              |                  |
| Email: lparker@rinconconsultants.com                                                                                                                  | Address: 158 Cody Road, Mountain View, CA | Global ID:                               |        | Wipe samples collected from Zone 7 Enclosure CID (Low Occupancy)                                                                     |       |                              |                  |
| Address: 449 15th Street, Suite 303                                                                                                                   | Address: 158 Cody Road, Mountain View, CA | Global ID:                               |        | 11 x Rect Type 1 = 0.1518 ft <sup>2</sup>                                                                                            |       |                              |                  |
| Phone: (651) 890-9556                                                                                                                                 | Address: 158 Cody Road, Mountain View, CA | Global ID:                               |        | Wipe samples collected from Zone 7 Enclosure CID (Low Occupancy)                                                                     |       |                              |                  |
| Fax:                                                                                                                                                  | Address: 158 Cody Road, Mountain View, CA | Global ID:                               |        | Wipe samples collected from Zone 7 Enclosure CID (Low Occupancy)                                                                     |       |                              |                  |
| Sampled By: D. Wells, T. Smith                                                                                                                        | Address: 158 Cody Road, Mountain View, CA | Global ID:                               |        | Wipe samples collected from Zone 7 Enclosure CID (Low Occupancy)                                                                     |       |                              |                  |
| Sample ID                                                                                                                                             | Sampling Date                             | Sampling Time                            | Matrix | Container No. / Size                                                                                                                 | Pres. | Lead - EPA Method 3050/5010B | Analysis Request |
| 16 CLEAR-ARCH-C14W-PS-7-240322-L-G                                                                                                                    | 3/22/2024                                 | 0855                                     | WP     | WP                                                                                                                                   |       | X                            |                  |
| 17 CLEAR-SCAF-Z7BCD-L11-240322-L                                                                                                                      | 3/22/2024                                 | 0900                                     | WP     | WP                                                                                                                                   |       | X                            |                  |
| 18 CLEAR-ENC-Z7BCD-L11-240322-L                                                                                                                       | 3/22/2024                                 | 0905                                     | WP     | WP                                                                                                                                   |       | X                            |                  |
| 19 CLEAR-ARCH-C14W-PS-7-240322-L-G                                                                                                                    | 3/22/2024                                 |                                          | WP     | WP                                                                                                                                   |       | X                            |                  |
| 20 CLEAR-SCAF-Z7BCD-L11-240322-L                                                                                                                      | 3/22/2024                                 |                                          | WP     | WP                                                                                                                                   |       | X                            |                  |
| 21 CLEAR-ENC-Z7BCD-L11-240322-L                                                                                                                       | 3/22/2024                                 |                                          | WP     | WP                                                                                                                                   |       | X                            |                  |
| 22 CLEAR-ARCH-C14W-PS-7-240322-L-G                                                                                                                    | 3/22/2024                                 |                                          | WP     | WP                                                                                                                                   |       | X                            |                  |
| 23 CLEAR-SCAF-Z7BCD-L11-240322-L                                                                                                                      | 3/22/2024                                 |                                          | WP     | WP                                                                                                                                   |       | X                            |                  |
| 24 CLEAR-ENC-Z7BCD-L11-240322-L                                                                                                                       | 3/22/2024                                 |                                          | WP     | WP                                                                                                                                   |       | X                            |                  |
| 10                                                                                                                                                    |                                           |                                          |        |                                                                                                                                      |       |                              |                  |
| 11                                                                                                                                                    |                                           |                                          |        |                                                                                                                                      |       |                              |                  |
| 12                                                                                                                                                    |                                           |                                          |        |                                                                                                                                      |       |                              |                  |
| 13                                                                                                                                                    |                                           |                                          |        |                                                                                                                                      |       |                              |                  |
| 14                                                                                                                                                    |                                           |                                          |        |                                                                                                                                      |       |                              |                  |
| 15                                                                                                                                                    |                                           |                                          |        |                                                                                                                                      |       |                              |                  |
| Signature                                                                                                                                             |                                           |                                          |        | Print Name                                                                                                                           |       | Company / Title              |                  |
| 1 Relinquished By: [Signature]                                                                                                                        |                                           |                                          |        | Tyler Sarnoff                                                                                                                        |       | Amcon/Env. Scientist         |                  |
| 1 Received By: [Signature]                                                                                                                            |                                           |                                          |        | Nigel Lamber                                                                                                                         |       | BA                           |                  |
| 2 Relinquished By: [Signature]                                                                                                                        |                                           |                                          |        | Nigel Lamber                                                                                                                         |       | BA                           |                  |
| 2 Received By: [Signature]                                                                                                                            |                                           |                                          |        | Nigel Lamber                                                                                                                         |       | BA                           |                  |
| 3 Relinquished By: [Signature]                                                                                                                        |                                           |                                          |        | Nigel Lamber                                                                                                                         |       | BA                           |                  |
| 3 Received By: [Signature]                                                                                                                            |                                           |                                          |        | Nigel Lamber                                                                                                                         |       | BA                           |                  |

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

| SAMPLE RECEIPT CHECKLIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     |                                     |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>Section 1: General Info</b><br>Date Received: <u>3/22/19</u> Login # <u>504761</u> Client: <u>Rincon</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                     |                                     |
| <b>Section 2: Shipping / Custody</b><br>Shipping Info: _____<br>Are custody seals present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, where? <input type="checkbox"/> on cooler, <input type="checkbox"/> on samples, <input type="checkbox"/> on package<br>Custody seals intact on arrival? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date: _____ # of seals _____ <input type="checkbox"/> Signature <input type="checkbox"/> Initials                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                     |                                     |
| <b>Section 3: Condition / Packaging</b> <span style="float: right;"><b>Important: Notify PM if temperature exceeds 6°C or arrive frozen</b></span><br>Date Opened <u>3/22/19</u> By (print) <u>my</u> (sign) <u>[Signature]</u><br><input checked="" type="checkbox"/> Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)<br>If no cooler: Sample Temp (°C): _____<br>How many coolers? <u>1</u> Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____<br>Temperature measured using <input type="checkbox"/> Thermometer ID: _____, or IR Gun # <input type="checkbox"/> B <input type="checkbox"/> C<br>Type of ice used: <input checked="" type="checkbox"/> Wet, <input type="checkbox"/> Blue/Gel, <input type="checkbox"/> None Temperature blank(s) included? <input type="checkbox"/> Yes, <input type="checkbox"/> No |                                     |                                     |                                     |
| <b>Section 4: Containers / Labels / Samples</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |                                     |                                     |
| Were custody papers dry, filled out properly, and the project identifiable?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YES                                 | NO                                  | N/A                                 |
| Were Method 5035 sampling containers present? Transferred to freezer @: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did all containers arrive unbroken/unopened?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Are there any missing / extra samples?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Are samples in the appropriate containers for indicated tests?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Are sample labels present, in good condition and complete?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Does the container count match the COC?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Do the sample labels agree with custody papers?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Was sufficient amount of sample sent for tests requested?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did you change the hold time in LIMS for unpreserved VOAs?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Did you change the hold time in LIMS for preserved terracores?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Are bubbles > 6mm present in VOA samples?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <b>Section 5: Preservatives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |                                     |                                     |
| Are the samples appropriately preserved? (if yes, skip the rest of section 5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did any samples / containers require preservation upon receipt?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did you document your preservative check in the bench book?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Preservative added:<br><input type="checkbox"/> H2SO4 lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> HCL lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> HNO3 lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> CrVI Buffer lot# _____ added to samples _____ Date/Time _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                                     |                                     |
| <b>Section 6: Explanations / Comments</b><br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     |                                     |                                     |
| Date Logged <u>3/22/19</u> By (print) <u>my</u> (sign) <u>[Signature]</u><br>Date Labeled <u>3/22/19</u> By (print) <u>my</u> (sign) <u>[Signature]</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                                     |                                     |



### SAMPLE ACCEPTANCE CHECKLIST

#### Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA  
 Date Received: 3/23/24 Sampler's Name Present: ☒ Yes ☐ No

#### Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) 5.8  
 (No Cooler)  
 Sample Temp (°C), One from each cooler: #1: #2: #3: #4:  
 (Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)  
 Shipping Information:

#### Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other  
 Cooler Temp (°C): #1: 0.5 #2: #3: #4:

#### Section 4

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

#### Section 5 Explanations/Comments

504761

#### 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: MAR 23 2024

SOUTHWEST AIRLINES

Printed on:  
22 MAR 19:21

526 OAK 1074 9476



|                          |        |     |                     |
|--------------------------|--------|-----|---------------------|
| <b>ONT</b>               | PC#    | DG  | LOT WT              |
|                          | 3 OF 3 | G   | 125 LB<br>(56.7 KG) |
| OAK WN 3020 22 MAR 20:55 | STN    | FLT | DATE ETD LOT 01     |
|                          |        |     |                     |

0.5/5.0

X 10



**NFG**

PC ID: 0003  
PC WT: 41LB

526 10749476 0003

## Lead

|                                                                     |  |                                 |                            |
|---------------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504761                                                |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                                   |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ARCH-C13W-DG-1 TO1.5-UP-C13.1-HS-240322-L-LA |  | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-001                                           |  | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-001 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>37</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L26-240322-L                      |  | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-002                                           |  | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-002 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>440</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L26-240322-L                       |  | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-003                                           |  | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-003 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>190</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C14W-INT-2.5 TO 3.5-240322-L-WF         |  | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-004                                           |  | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-004 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>70</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L23-240322-L                      |  | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-005                                           |  | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-005 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>320</b>                      | 0.50 ug/ft2                |

## Lead

|                                                                     |                           |                                 |                            |
|---------------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504761                                                |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                                   |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L23-240322-L                       | <b>Batch#:</b> 336107     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 03/22/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 504761-006                                           | <b>Received:</b> 03/22/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 03/24/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 03/25/24 |                                 |                            |
| <b>504761-006 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>120</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C13W-DG-4 TO4.5-DN-C13.5-VS-240322-L-LA |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-007                                           |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-007 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>190</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L20-240322-L                      |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-008                                           |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-008 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>240</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L20-240322-L                       |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-009                                           |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-009 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>360</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C14W-DG-5 TO 5.5-240322-L-FB            |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-010                                           |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-010 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>17</b>                       | 0.50 ug/ft2                |

## Lead

|                                                         |                           |                                 |                            |
|---------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504761                                    |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                       |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L17-240322-L          | <b>Batch#:</b> 336107     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                     | <b>Sampled:</b> 03/22/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 504761-011                               | <b>Received:</b> 03/22/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                     | <b>Prepared:</b> 03/24/24 |                                 |                            |
| <b>Diln Fac:</b> 10.00                                  | <b>Analyzed:</b> 03/25/24 |                                 |                            |
| <b>504761-011 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL</b>                  |
| <b>Lead</b>                                             |                           | <b>1,300</b>                    | <b>1.9</b>                 |
|                                                         |                           | <b>Units</b>                    | <b>Qual</b>                |
|                                                         |                           | ug/ft2                          | b                          |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L17-240322-L           |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-012                               |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-012 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL</b>                  |
| <b>Lead</b>                                             |                           | <b>72</b>                       | <b>0.50</b>                |
|                                                         |                           | <b>Units</b>                    | <b>Qual</b>                |
|                                                         |                           | ug/ft2                          |                            |
| <b>Field ID:</b> CLEAR-ARCH-C14W-EXT-6 TO 7-240322-L-WF |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-013                               |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-013 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL</b>                  |
| <b>Lead</b>                                             |                           | <b>200</b>                      | <b>0.50</b>                |
|                                                         |                           | <b>Units</b>                    | <b>Qual</b>                |
|                                                         |                           | ug/ft2                          |                            |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L14-240322-L          |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-014                               |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 10.00                                  |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-014 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL</b>                  |
| <b>Lead</b>                                             |                           | <b>740</b>                      | <b>1.9</b>                 |
|                                                         |                           | <b>Units</b>                    | <b>Qual</b>                |
|                                                         |                           | ug/ft2                          | b                          |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L14-240322-L           |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-015                               |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-015 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL</b>                  |
| <b>Lead</b>                                             |                           | <b>32</b>                       | <b>0.50</b>                |
|                                                         |                           | <b>Units</b>                    | <b>Qual</b>                |
|                                                         |                           | ug/ft2                          |                            |

## Lead

|                                                  |                           |                                 |                            |
|--------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504761                             |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ARCH-C14W-PS-7-240322-L-G | <b>Batch#:</b> 336107     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                              | <b>Sampled:</b> 03/22/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 504761-016                        | <b>Received:</b> 03/22/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                              | <b>Prepared:</b> 03/24/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                           | <b>Analyzed:</b> 03/25/24 |                                 |                            |
| <b>504761-016 Analyte</b>                        |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                      |                           | <b>61</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L11-240322-L   |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                              |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-017                        |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                              |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                           |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-017 Analyte</b>                        |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                      |                           | <b>450</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L11-240322-L    |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                              |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-018                        |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                              |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                           |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-018 Analyte</b>                        |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                      |                           | <b>130</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-FIELDBLANK-240322-L-LO    |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                              |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-019                        |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                              |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                           |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-019 Analyte</b>                        |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                      |                           | <b>4.4</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-MEDBLANK-240322-L-LO      |                           | <b>Batch#:</b> 336107           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                              |                           | <b>Sampled:</b> 03/22/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504761-020                        |                           | <b>Received:</b> 03/22/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                              |                           | <b>Prepared:</b> 03/24/24       |                            |
| <b>Diln Fac:</b> 1.000                           |                           | <b>Analyzed:</b> 03/25/24       |                            |
| <b>504761-020 Analyte</b>                        |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                      |                           | <b>ND</b>                       | 0.50 ug/ft2                |



## Lead

|                                   |                           |                                 |  |
|-----------------------------------|---------------------------|---------------------------------|--|
| <b>Lab #:</b> 504761              |                           | <b>Project#:</b> 20-10491       |  |
| <b>Client:</b> Rincon Consultants |                           | <b>Location:</b> Hangar 1 NTCRA |  |
| <b>Type:</b> BLANK                | <b>Batch#:</b> 336107     | <b>Analysis:</b> EPA 6010B      |  |
| <b>Lab ID:</b> QC1138864          | <b>Prepared:</b> 03/24/24 | <b>Analyst:</b> SBW             |  |
| <b>Matrix:</b> Wipe               | <b>Analyzed:</b> 03/25/24 |                                 |  |
| <b>Diln Fac:</b> 1.000            | <b>Prep:</b> EPA 3050B    |                                 |  |

| QC1138864 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend

**ND:** Not Detected

**RL:** Reporting Limit

**b:** See narrative

## Lead: Batch QC

**Lab #:** 504761

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1138865

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 336107

**Prepared:** 03/24/24

**Analyzed:** 03/25/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1138865 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 100.0  | 102.0  | 102  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1138866

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 336107

**Prepared:** 03/24/24

**Analyzed:** 03/25/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1138866 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 100.0  | 100.1  | 100  | 80-120 | ug/ft2 | 2   | 20  |

Legend

**RPD:** Relative Percent  
Difference



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

enthalpy.com

Lab Job Number : 504762  
Report Level : II  
Report Date : 03/26/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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<br>Rincon<br>Consultants<br>449 15th Street<br>#303<br>Oakland, CA<br>94612 | Lab Job #: 504762<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 03/25/24 |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|

| Sample ID                                          | Lab ID     | Collected      | Matrix |
|----------------------------------------------------|------------|----------------|--------|
| CLEAR-AFRAME-C13W-MED-L3-UP-C13.3-DG-240325-L-LA   | 504762-001 | 03/25/24 08:55 | Wipe   |
| CLEAR-SCAF-Z7ECD-L6-240325-L                       | 504762-002 | 03/25/24 09:00 | Wipe   |
| CLEAR-ENC-Z7ECD-L6-240325-L                        | 504762-003 | 03/25/24 09:05 | Wipe   |
| CLEAR-AFRAME-C13W-LAT-L2-UP-C13.7-VS-240325-L-I    | 504762-004 | 03/25/24 09:10 | Wipe   |
| CLEAR-SCAF-Z7ECD-L4-240325-L                       | 504762-005 | 03/25/24 09:15 | Wipe   |
| CLEAR-ENC-Z7ECD-L4-240325-L                        | 504762-006 | 03/25/24 09:20 | Wipe   |
| CLEAR-AFRAME-C13W-MED-L1-UP-C13.6-DG-240325-L-SS   | 504762-007 | 03/25/24 09:25 | Wipe   |
| CLEAR-AFRAME-C13W-MED-L1-UP-C13.6-DG-240325-L-DUP- | 504762-008 | 03/25/24 09:25 | Wipe   |
| CLEAR-SCAF-Z7ECD-L2-240325-L                       | 504762-009 | 03/25/24 09:30 | Wipe   |
| CLEAR-ENC-Z7ECD-L2-240325-L                        | 504762-010 | 03/25/24 09:35 | Wipe   |
| CLEAR-FIELDBLANK-240325-L-HO                       | 504762-011 | 03/25/24 08:50 | Wipe   |
| CLEAR-MEDBLANK-240325-L-HO                         | 504762-012 | 03/25/24 10:10 | Wipe   |

## Case Narrative

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

Lab Job 504762  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/25/24

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This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 03/26/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.

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| Chain of Custody Record                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        | Turn Around Time (rush by advanced notice only)                                                                                                                    |        |                                                                                                  |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------|--------------|
| COC ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        | Standard:                                                                                                                                                          | 5 Day: | 3 Day:                                                                                           |              |
| Page:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 of 1 | 2 Day:                                                                                                                                                             | 1 Day: | Custom TAT:                                                                                      | X (same-day) |
| <b>Enthalpy Analytical - Orange</b><br>931 W. Barkley Avenue, Orange, CA 92668<br>Phone 714-771-6900                                                                                                                                                                                                                                                                                                                                                                                                                                            |        | <b>Matrix:</b> A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other |        |                                                                                                  |              |
| <b>PROJECT INFORMATION</b><br>Quote #: RIN031721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #: 158 Cody Road, Mountain View, CA<br>Address: Global ID:<br>Sampled By: D. Walsh                                                                                                                                                                                                                                                                                                                                             |        | <b>Analysis Request</b><br>Lead - EPA Method 3050/60108<br>HOLD<br>Wipe samples collected from Zone 7 Enclosure C/D (High Occupancy)                               |        |                                                                                                  |              |
| <b>CUSTOMER INFORMATION</b><br>Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (651) 890-9556<br>Fax:                                                                                                                                                                                                                                                                                                      |        | <b>Test Instructions / Comments</b><br>Clearness Wipe Samples - Level II<br>Report/Stage 2A Validation<br>Report lead concentrations on a µg/ft² basis             |        |                                                                                                  |              |
| <b>Sample ID</b><br>1 CLEAR-AFRAME-C13W-MED-L1-3-UP-C13-3-DG-240325-L-LA<br>2 CLEAR-SCAF-Z7ECD-L6-240325-L<br>3 CLEAR-ENC-Z7ECD-L6-240325-L<br>4 CLEAR-AFRAME-C13W-LAT-L2-UP-C13-7-VS-240325-L-L<br>5 CLEAR-SCAF-Z7ECD-L4-240325-L<br>6 CLEAR-ENC-Z7ECD-L4-240325-L<br>7 CLEAR-AFRAME-C13W-MED-L1-UP-C13-6-DG-240325-L-SS<br>8 CLEAR-AFRAME-C13W-MED-L1-UP-C13-6-DG-240325-L-DUP-SS<br>9 CLEAR-SCAF-Z7ECD-L2-240325-L<br>10 CLEAR-ENC-Z7ECD-L2-240325-L<br>11 CLEAR-FIELD BLANK-240325-L-HO<br>12 CLEAR-MED BLANK-240325-L-HO<br>13<br>14<br>15 |        | <b>Pres.</b><br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X                                                                                 |        |                                                                                                  |              |
| <b>Signature</b><br>Relinquished By: [Signature]<br>Received By: [Signature]<br>Relinquished By: [Signature]<br>Received By: [Signature]<br>Relinquished By: [Signature]                                                                                                                                                                                                                                                                                                                                                                        |        | <b>Print Name</b><br>Tyler Sinnott<br>ANTHONY HENDSON<br>ANTHONY HENDSON<br>ANTHONY HENDSON<br>ANTHONY HENDSON                                                     |        | <b>Company / Title</b><br>Rincon/Envi. Scientist<br>ENTHALPY<br>ENTHALPY<br>ENTHALPY<br>ENTHALPY |              |
| <b>Date / Time</b><br>3/25/24 14:30<br>3/25/24 14:30<br>3/25/24 10:30<br>3/25/24 17:14<br>3/26/24 09:40                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                    |        |                                                                                                  |              |





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



### SAMPLE ACCEPTANCE CHECKLIST

#### Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 3/26/24

Sampler's Name Present: ☒ Yes ☐ No

#### Section 2

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

Sample Temp (°C), One from each cooler: #1: 26 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

Shipping Information: \_\_\_\_\_

#### Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 0.7 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

#### Section 4

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

#### Section 5 Explanations/Comments

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#### 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: MAR 26 2024



2.6 / 0.7

SOUTHWEST AIRLINES

Printed on:  
25 MAR 19:15

526 OAK 1082 2350 

**SNA**

PC#  
2 OF

6

DG  
G

(86.2 KG)

LOT WT  
190 LB

OAK WN 1123 25 MAR 20:50

STN FLT DATE ETD LOT 01



PC ID: 0002  
PC WT: 32LB

526 10822350 0002

**NFG**

## Lead

|                                                                   |  |                                 |                            |
|-------------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504762                                              |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                                 |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-AFRAME-C13W-MED-L3-UP-C13.3-DG-240325-L-LA |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                               |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504762-001                                         |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                               |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                            |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504762-001 Analyte</b>                                         |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                       |  | <b>44</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L6-240325-L                     |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                               |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504762-002                                         |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                               |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                            |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504762-002 Analyte</b>                                         |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                       |  | <b>220</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L6-240325-L                      |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                               |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504762-003                                         |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                               |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                            |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504762-003 Analyte</b>                                         |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                       |  | <b>25</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-AFRAME-C13W-LAT-L2-UP-C13.7-VS-240325-L-I  |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                               |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504762-004                                         |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                               |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                            |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504762-004 Analyte</b>                                         |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                       |  | <b>6.2</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L4-240325-L                     |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                               |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504762-005                                         |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                               |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                            |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504762-005 Analyte</b>                                         |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                       |  | <b>280</b>                      | 0.50 ug/ft2                |

## Lead

|                                                                     |                           |                                 |                    |
|---------------------------------------------------------------------|---------------------------|---------------------------------|--------------------|
| <b>Lab #:</b> 504762                                                |                           | <b>Project#:</b> 20-10491       |                    |
| <b>Client:</b> Rincon Consultants                                   |                           | <b>Location:</b> Hangar 1 NTCRA |                    |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L4-240325-L                        | <b>Batch#:</b> 336244     | <b>Prep:</b> EPA 3050B          |                    |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 03/25/24  | <b>Analysis:</b> EPA 6010B      |                    |
| <b>Lab ID:</b> 504762-006                                           | <b>Received:</b> 03/25/24 | <b>Analyst:</b> SBW             |                    |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 03/26/24 |                                 |                    |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 03/26/24 |                                 |                    |
| <b>504762-006 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>    |
| <b>Lead</b>                                                         |                           | <b>350</b>                      | <b>0.50 ug/ft2</b> |
| <b>Field ID:</b> CLEAR-AFRAME-C13W-MED-L1-UP-C13.6-DG-240325-L-SS   | <b>Batch#:</b> 336244     | <b>Prep:</b> EPA 3050B          |                    |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 03/25/24  | <b>Analysis:</b> EPA 6010B      |                    |
| <b>Lab ID:</b> 504762-007                                           | <b>Received:</b> 03/25/24 | <b>Analyst:</b> SBW             |                    |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 03/26/24 |                                 |                    |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 03/26/24 |                                 |                    |
| <b>504762-007 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>    |
| <b>Lead</b>                                                         |                           | <b>82</b>                       | <b>0.50 ug/ft2</b> |
| <b>Field ID:</b> CLEAR-AFRAME-C13W-MED-L1-UP-C13.6-DG-240325-L-DUP- | <b>Batch#:</b> 336244     | <b>Prep:</b> EPA 3050B          |                    |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 03/25/24  | <b>Analysis:</b> EPA 6010B      |                    |
| <b>Lab ID:</b> 504762-008                                           | <b>Received:</b> 03/25/24 | <b>Analyst:</b> SBW             |                    |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 03/26/24 |                                 |                    |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 03/26/24 |                                 |                    |
| <b>504762-008 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>    |
| <b>Lead</b>                                                         |                           | <b>180</b>                      | <b>0.50 ug/ft2</b> |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L2-240325-L                       | <b>Batch#:</b> 336244     | <b>Prep:</b> EPA 3050B          |                    |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 03/25/24  | <b>Analysis:</b> EPA 6010B      |                    |
| <b>Lab ID:</b> 504762-009                                           | <b>Received:</b> 03/25/24 | <b>Analyst:</b> SBW             |                    |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 03/26/24 |                                 |                    |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 03/26/24 |                                 |                    |
| <b>504762-009 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>    |
| <b>Lead</b>                                                         |                           | <b>210</b>                      | <b>0.50 ug/ft2</b> |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L2-240325-L                        | <b>Batch#:</b> 336244     | <b>Prep:</b> EPA 3050B          |                    |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 03/25/24  | <b>Analysis:</b> EPA 6010B      |                    |
| <b>Lab ID:</b> 504762-010                                           | <b>Received:</b> 03/25/24 | <b>Analyst:</b> SBW             |                    |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 03/26/24 |                                 |                    |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 03/26/24 |                                 |                    |
| <b>504762-010 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>    |
| <b>Lead</b>                                                         |                           | <b>84</b>                       | <b>0.50 ug/ft2</b> |

## Lead

|                                                                 |                           |                                 |                            |
|-----------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 504762                                            |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                               |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-FIELDBLANK-240325-L-HO                   | <b>Batch#:</b> 336244     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                             | <b>Sampled:</b> 03/25/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 504762-011                                       | <b>Received:</b> 03/25/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                             | <b>Prepared:</b> 03/26/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                          | <b>Analyzed:</b> 03/26/24 |                                 |                            |
| <b>504762-011 Analyte</b>                                       |                           | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                            |                           | ND                              | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-MEDBLANK-240325-L-HO                     |                           | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                             |                           | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504762-012                                       |                           | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                             |                           | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                          |                           | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504762-012 Analyte</b>                                       |                           | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                            |                           | ND                              | 0.50 ug/ft2                |
| <b>Type:</b> BLANK                                              | <b>Batch#:</b> 336244     | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> QC1139357                                        | <b>Prepared:</b> 03/26/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                             | <b>Analyzed:</b> 03/26/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                          | <b>Prep:</b> EPA 3050B    |                                 |                            |
| <b>QC1139357 Analyte</b>                                        |                           | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                            |                           | ND                              | 0.50 ug/ft2                |
| Legend<br><b>ND:</b> Not Detected<br><b>RL:</b> Reporting Limit |                           |                                 |                            |

## Lead: Batch QC

**Lab #:** 504762

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1139358

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 336244

**Prepared:** 03/26/24

**Analyzed:** 03/26/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1139358 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 52.04  | 104  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1139359

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 336244

**Prepared:** 03/26/24

**Analyzed:** 03/26/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1139359 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 50.08  | 100  | 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 : 504763  
Report Level : II  
Report Date : 03/26/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 504763  
Project No: 20-10491  
Location: Hangar 1 NTCRA  
Date Received: 03/25/24

| Sample ID                              | Lab ID     | Collected      | Matrix |
|----------------------------------------|------------|----------------|--------|
| CLEAR-ARCH-C14W-EXT-8 TO 9-240325-L-WF | 504763-001 | 03/25/24 08:35 | Wipe   |
| CLEAR-SCAF-Z7ECD-L8-240325-L           | 504763-002 | 03/25/24 08:40 | Wipe   |
| CLEAR-ENC-Z7ECD-L8-240325-L            | 504763-003 | 03/25/24 08:45 | Wipe   |
| CLEAR-ENC-Z7ECD-L8-240325-L-DUP        | 504763-004 | 03/25/24 08:45 | Wipe   |

## Case Narrative

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

Lab Job 504763  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 03/25/24

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This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 03/26/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.



| Chain of Custody Record                                                                              |                                                         |  |  |                            |                                  |               |        |                              |       | Turn Around Time (rush by advanced notice only) |                                     |                |  |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--|--|----------------------------|----------------------------------|---------------|--------|------------------------------|-------|-------------------------------------------------|-------------------------------------|----------------|--|
| COC ID:                                                                                              |                                                         |  |  | Standard:                  |                                  |               | 3 Day: |                              |       | Custom TAT:                                     |                                     |                |  |
| Page: 1 of 1                                                                                         |                                                         |  |  | 2 Day:                     |                                  |               | 1 Day: |                              |       | X (same-day)                                    |                                     |                |  |
| <b>Enthalpy Analytical - Orange</b><br>931 W. Barkley Avenue, Orange, CA 92868<br>Phone 714-771-6900 |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| <b>CUSTOMER INFORMATION</b>                                                                          |                                                         |  |  | <b>PROJECT INFORMATION</b> |                                  |               |        | <b>Analysis Request</b>      |       |                                                 | <b>Test Instructions / Comments</b> |                |  |
| Company:                                                                                             | Rincon Consultants, Inc.                                |  |  | Quote #:                   | RIN031721                        |               |        | Lead - EPA Method 3050/6010B |       |                                                 | HOLD                                |                |  |
| Report To:                                                                                           | Lindsay Parker                                          |  |  | Proj. Name:                | Hangar 1 - NCTRA WP              |               |        |                              |       |                                                 |                                     |                |  |
| Email:                                                                                               | lparker@rinconconsultants.com                           |  |  | Proj. #:                   | 20-10491                         |               |        |                              |       |                                                 |                                     |                |  |
| Address:                                                                                             | 449 15th Street, Suite 303<br>Oakland, California 94612 |  |  | P.O. #:                    |                                  |               |        |                              |       |                                                 |                                     |                |  |
| Phone:                                                                                               | (651) 890-9556                                          |  |  | Address:                   | 158 Cody Road, Mountain View, CA |               |        |                              |       |                                                 |                                     |                |  |
| Fax:                                                                                                 |                                                         |  |  | Global ID:                 |                                  |               |        |                              |       |                                                 |                                     |                |  |
|                                                                                                      |                                                         |  |  | Sampled By:                | D. Walsh                         |               |        |                              |       |                                                 |                                     |                |  |
|                                                                                                      |                                                         |  |  | Sample ID                  | Sampling Date                    | Sampling Time | Matrix | Container No. / Size         | Pres. |                                                 |                                     |                |  |
| 1                                                                                                    | CLEAR-ARCH-C14W-EXT-8 TO 9-240325-L-WF                  |  |  | 3/25/2024                  | 0835                             |               | WP     | 1                            | X     |                                                 |                                     |                |  |
| 2                                                                                                    | CLEAR-SCAF-Z7ECD-L8-240325-L                            |  |  | 3/25/2024                  | 0840                             |               | WP     | 1                            | X     |                                                 |                                     |                |  |
| 3                                                                                                    | CLEAR-ENC-Z7ECD-L8-240325-L                             |  |  | 3/25/2024                  | 0845                             |               | WP     | 1                            | X     |                                                 |                                     |                |  |
| 4                                                                                                    | CLEAR-ENC-Z7ECD-L8-240325-L-DUP                         |  |  | 3/25/2024                  | 0845                             |               | WP     | 1                            | X     |                                                 |                                     |                |  |
| 5                                                                                                    |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 6                                                                                                    |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 7                                                                                                    |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 8                                                                                                    |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 9                                                                                                    |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 10                                                                                                   |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 11                                                                                                   |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 12                                                                                                   |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 13                                                                                                   |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 14                                                                                                   |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| 15                                                                                                   |                                                         |  |  |                            |                                  |               |        |                              |       |                                                 |                                     |                |  |
| Relinquished By:                                                                                     |                                                         |  |  | Signature                  |                                  |               |        | Print Name                   |       | Company / Title                                 |                                     | Date / Time    |  |
| 1 Relinquished By:                                                                                   |                                                         |  |  | T. Shroder                 |                                  |               |        | Tyler Sinnott                |       | Rincon / Env. Scientist                         |                                     | 3/25/24 / 1430 |  |
| 1 Received By:                                                                                       |                                                         |  |  | Audrey Hudson              |                                  |               |        | Audrey Hudson                |       | ENTHALPY                                        |                                     | 3/25/24 / 1430 |  |
| 2 Relinquished By:                                                                                   |                                                         |  |  | Audrey Hudson              |                                  |               |        | "                            |       | "                                               |                                     | 3/25/24 / 1630 |  |
| 2 Received By:                                                                                       |                                                         |  |  | "                          |                                  |               |        | "                            |       | "                                               |                                     | 3/25/24 / 1630 |  |
| 3 Relinquished By:                                                                                   |                                                         |  |  | "                          |                                  |               |        | "                            |       | "                                               |                                     | 3/25/24 / 1700 |  |
| 3 Received By:                                                                                       |                                                         |  |  | "                          |                                  |               |        | "                            |       | "                                               |                                     | 3/26/24 / 0940 |  |

[illegible]



### SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 3/26/24 Sampler's Name Present: ☒ Yes ☐ No

**Section 2**

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

Sample Temp (°C), One from each cooler: #1: 2.6 #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: 0.7 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

**Section 5** Explanations/Comments

504763

**Section 6**

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

☐ Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response: \_\_\_\_\_

Completed By: Deena Sykes Date: MAR 26 2024

2.6 / 0.7

SOUTHWEST AIRLINES

Printed on:  
25 MAR 19:15

526 OAK 1082 2350 

**SNA**

PC#  
2 OF

6

DG  
G

LOT WT  
190 LB  
(86.2 KG)

OAK WN 1123 25 MAR 20:50

STN FLT DATE ETD LOT 01



PC ID: 0002  
PC WT: 32LB

526 10822350 0002

**NFG**



## Lead

|                                                         |  |                                 |                            |
|---------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 504763                                    |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                       |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ARCH-C14W-EXT-8 TO 9-240325-L-WF |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504763-001                               |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504763-001 Analyte</b>                               |  | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                    |  | 45                              | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7ECD-L8-240325-L           |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504763-002                               |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504763-002 Analyte</b>                               |  | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                    |  | 83                              | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L8-240325-L            |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504763-003                               |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504763-003 Analyte</b>                               |  | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                    |  | 83                              | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7ECD-L8-240325-L-DUP        |  | <b>Batch#:</b> 336244           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |  | <b>Sampled:</b> 03/25/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 504763-004                               |  | <b>Received:</b> 03/25/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |  | <b>Prepared:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>504763-004 Analyte</b>                               |  | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                    |  | 75                              | 0.50 ug/ft2                |
| <b>Type:</b> BLANK                                      |  | <b>Batch#:</b> 336244           | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1139357                                |  | <b>Prepared:</b> 03/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |  | <b>Analyzed:</b> 03/26/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |  | <b>Prep:</b> EPA 3050B          |                            |
| <b>QC1139357 Analyte</b>                                |  | <b>Result</b>                   | <b>RL Units</b>            |
| Lead                                                    |  | ND                              | 0.50 ug/ft2                |

Legend

ND: Not Detected

RL: Reporting Limit

## Lead: Batch QC

**Lab #:** 504763

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1139358

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 336244

**Prepared:** 03/26/24

**Analyzed:** 03/26/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1139358 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 52.04  | 104  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1139359

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 336244

**Prepared:** 03/26/24

**Analyzed:** 03/26/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1139359 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 50.08  | 100  | 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 : 507200  
Report Level : II  
Report Date : 04/29/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 507200  
 Project No: 20-10491  
 Location: Hangar 1 NTCRA  
 Date Received: 04/26/24

| Sample ID                                          | Lab ID     | Collected      | Matrix |
|----------------------------------------------------|------------|----------------|--------|
| CLEAR-ARCH-C13E-DG-1TO 1.5-UP-C13.1-HS-240426-L-LA | 507200-001 | 04/26/24 07:50 | Wipe   |
| CLEAR-SCAF-Z7EAB-L26-240426-L                      | 507200-002 | 04/26/24 07:55 | Wipe   |
| CLEAR-ENC-Z7EAB-L26-240426-L                       | 507200-003 | 04/26/24 08:00 | Wipe   |
| CLEAR-ARCH-C14E-EXT-3 TO 4-240426-L-WF             | 507200-004 | 04/26/24 08:05 | Wipe   |
| CLEAR-SCAF-Z7EAB-L23-240426-L                      | 507200-005 | 04/26/24 08:10 | Wipe   |
| CLEAR-ENC-Z7EAB-L23-240426-L                       | 507200-006 | 04/26/24 08:15 | Wipe   |
| CLEAR-ARCH-C13E-DG-4TO 4.5-DN-C13.5-VS-240426-L-LA | 507200-007 | 04/26/24 08:25 | Wipe   |
| CLEAR-SCAF-Z7EAB-L20-240426-L                      | 507200-008 | 04/26/24 08:30 | Wipe   |
| CLEAR-ENC-Z7EAB-L20-240426-L                       | 507200-009 | 04/26/24 08:35 | Wipe   |
| CLEAR-FIELDBLANK-240426-L-LO                       | 507200-010 | 04/26/24 08:37 | Wipe   |
| CLEAR-MEDBLANK-240426-L-LO                         | 507200-011 | 04/26/24 09:00 | Wipe   |



## Case Narrative

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

Lab Job 507200  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 04/26/24

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This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 04/29/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.





507200

| Chain of Custody Record                                                                                                                                                                                                                |                |                               |                            | Turn Around Time (rush by advanced notice only)                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        |                                         |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------|------------------------------|------|-----------------------------------|----------------------------|----------------------------------------------|
| COC ID:                                                                                                                                                                                                                                |                |                               |                            | Standard:                                                                                                                                                                                     |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        |                                         |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
| Page: 2 of 2                                                                                                                                                                                                                           |                |                               |                            | 3 Day: Custom TAT: X (same-day)                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        |                                         |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
| <b>Enthalpy Analytical - Orange</b><br>931 W Barkley Avenue, Orange, CA 92668<br>Phone 714-771-6900                                                                                                                                    |                |                               |                            | <b>PROJECT INFORMATION</b><br>Quote #: RIN031721<br>Proj. Name: Hangar 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #: 158 Cody Road, Mountain View, CA<br>Address:<br>Global ID:<br>Sampled By: |                |           |                     | <b>Analysis Request</b><br>Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe Q = Other<br>Report: Level II |         |                                  |            | <b>Test Instructions / Comments</b><br>Clear Wipe Samples - Level II<br>Report/Stage 2A Validation<br>Report lead concentrations on a µg/ft² basis<br>Wipe samples collected from Zone 7 Enclosure C/D (Low Occupancy) |                                         |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
| CUSTOMER INFORMATION                                                                                                                                                                                                                   |                |                               |                            | PROJECT INFORMATION                                                                                                                                                                           |                |           |                     | Analysis Request                                                                                                                                                                                           |         |                                  |            | Test Instructions / Comments                                                                                                                                                                                           |                                         |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
| Company:                                                                                                                                                                                                                               | Report To:     | Email:                        | Address:                   | Phone:                                                                                                                                                                                        | Fax:           | Quote #:  | Proj. Name:         | Proj. #:                                                                                                                                                                                                   | P.O. #: | Address:                         | Global ID: | Sampled By:                                                                                                                                                                                                            | Sample ID                               | Sampling Date | Sampling Time | Matrix                                                                                                                                 | Container No. / Size | Pres. | Lead - EPA Method 3050/6010B | HOLD | Clearance Wipe Samples - Level II | Report/Stage 2A Validation | Report lead concentrations on a µg/ft² basis |
| Rincon Consultants, Inc.                                                                                                                                                                                                               | Lindsay Parker | lparker@rinconconsultants.com | 449 15th Street, Suite 303 | Oakland, California 94612                                                                                                                                                                     | (651) 890-9556 | RIN031721 | Hangar 1 - NCTRA WP | 20-10491                                                                                                                                                                                                   |         | 158 Cody Road, Mountain View, CA |            |                                                                                                                                                                                                                        | 16 CLEAR-ARCH-CH-PS-240426-L-G          | 4/26/2024     | 0837          | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 17 CLEAR-SCAL-ZTEAB-L-L-240426-L        | 4/26/2024     | 0900          | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 18 CLEAR-ENC-ZTEAB-L-L-240426-L         | 4/26/2024     |               | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 19 CLEAR-ARCH-CH-EXT-8-TO-9-240426-L-WF | 4/26/2024     |               | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 20 CLEAR-SCAL-ZTEAB-L-L-240426-L        | 4/26/2024     |               | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 21 CLEAR-ENC-ZTEAB-L-L-240426-L         | 4/26/2024     |               | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 22 CLEAR-ENC-ZTEAB-L-L-240426-L-DUP     | 4/26/2024     |               | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 23 CLEAR-FIELD BLANK-240426-L-LO        | 4/26/2024     |               | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 24 CLEAR-MED BLANK-240426-L-LO          | 4/26/2024     |               | WP                                                                                                                                     | 1                    | X     |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 10                                      |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 11                                      |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 12                                      |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 13                                      |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 14                                      |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
|                                                                                                                                                                                                                                        |                |                               |                            |                                                                                                                                                                                               |                |           |                     |                                                                                                                                                                                                            |         |                                  |            |                                                                                                                                                                                                                        | 15                                      |               |               |                                                                                                                                        |                      |       |                              |      |                                   |                            |                                              |
| 1 Relinquished By: <i>[Signature]</i><br>1 Received By: <i>[Signature]</i><br>2 Relinquished By: <i>[Signature]</i><br>2 Received By: <i>[Signature]</i><br>3 Relinquished By: <i>[Signature]</i><br>3 Received By: <i>[Signature]</i> |                |                               |                            | Signature: <i>[Signature]</i><br>Print Name: Michaela Kim<br>Company / Title: Rincon Environmental Scientist<br>Date / Time: 4/26/24 @ 11:45                                                  |                |           |                     | Signature: <i>[Signature]</i><br>Print Name: Audrey Hudson<br>Company / Title: ENTHALPY<br>Date / Time: 4/26/24 @ 16:36                                                                                    |         |                                  |            | Signature: <i>[Signature]</i><br>Print Name: <i>[Signature]</i><br>Company / Title: <i>[Signature]</i><br>Date / Time: 4/26/24 @ 17:20                                                                                 |                                         |               |               | Signature: <i>[Signature]</i><br>Print Name: <i>[Signature]</i><br>Company / Title: <i>[Signature]</i><br>Date / Time: 4/27/24 @ 10:00 |                      |       |                              |      |                                   |                            |                                              |



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

| SAMPLE RECEIPT CHECKLIST                                                                                                                                                                                                            |  |  |  |  |                                     |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| <b>Section 1: General Info</b>                                                                                                                                                                                                      |  |  |  |                                                                                     |                                     |                                     |
| Date Received: <u>4/26/19</u> Login # <u>50720</u> Client: <u>Rincon</u>                                                                                                                                                            |  |  |  |                                                                                     |                                     |                                     |
| <b>Section 2: Shipping / Custody</b>                                                                                                                                                                                                |  |  |  |                                                                                     |                                     |                                     |
| Shipping Info: _____                                                                                                                                                                                                                |  |  |  |                                                                                     |                                     |                                     |
| Are custody seals present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, where? <input type="checkbox"/> on cooler, <input type="checkbox"/> on samples, <input type="checkbox"/> on package          |  |  |  |                                                                                     |                                     |                                     |
| Custody seals intact on arrival? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date: _____ # of seals _____ <input type="checkbox"/> Signature <input type="checkbox"/> Initials |  |  |  |                                                                                     |                                     |                                     |
| <b>Section 3: Condition / Packaging</b> <span style="float: right;"><b>Important: Notify PM if temperature exceeds 6°C or arrive frozen</b></span>                                                                                  |  |  |  |                                                                                     |                                     |                                     |
| Date Opened <u>4/26/19</u> By (print) <u>my</u> (sign) _____                                                                                                                                                                        |  |  |  |                                                                                     |                                     |                                     |
| <input type="checkbox"/> 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 <input type="checkbox"/> Thermometer ID: _____, or IR Gun # <input type="checkbox"/> B <input type="checkbox"/> C                                                                                        |  |  |  |                                                                                     |                                     |                                     |
| Type of ice used: <input checked="" type="checkbox"/> Wet, <input type="checkbox"/> Blue/Gel, <input type="checkbox"/> None Temperature blank(s) included? <input type="checkbox"/> Yes, <input type="checkbox"/> No                |  |  |  |                                                                                     |                                     |                                     |
| <b>Section 4: Containers / Labels / Samples</b>                                                                                                                                                                                     |  |  |  | YES                                                                                 | NO                                  | N/A                                 |
| Were custody papers dry, filled out properly, and the project identifiable?                                                                                                                                                         |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Were Method 5035 sampling containers present? Transferred to freezer @: _____                                                                                                                                                       |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did all containers arrive unbroken/unopened?                                                                                                                                                                                        |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Are there any missing / extra samples?                                                                                                                                                                                              |  |  |  | <input type="checkbox"/>                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Are samples in the appropriate containers for indicated tests?                                                                                                                                                                      |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Are sample labels present, in good condition and complete?                                                                                                                                                                          |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Does the container count match the COC?                                                                                                                                                                                             |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Do the sample labels agree with custody papers?                                                                                                                                                                                     |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Was sufficient amount of sample sent for tests requested?                                                                                                                                                                           |  |  |  | <input checked="" type="checkbox"/>                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did you change the hold time in LIMS for unpreserved VOAs?                                                                                                                                                                          |  |  |  | <input type="checkbox"/>                                                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Did you change the hold time in LIMS for preserved terracores?                                                                                                                                                                      |  |  |  | <input type="checkbox"/>                                                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Are bubbles > 6mm present in VOA samples?                                                                                                                                                                                           |  |  |  | <input type="checkbox"/>                                                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____                                                                                                                                                |  |  |  | <input type="checkbox"/>                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <b>Section 5: Preservatives</b>                                                                                                                                                                                                     |  |  |  | YES                                                                                 | NO                                  | N/A                                 |
| Are the samples appropriately preserved? (if yes, skip the rest of section 5)                                                                                                                                                       |  |  |  | <input type="checkbox"/>                                                            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did any samples / containers require preservation upon receipt?                                                                                                                                                                     |  |  |  | <input type="checkbox"/>                                                            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Did you document your preservative check in the bench book?                                                                                                                                                                         |  |  |  | <input type="checkbox"/>                                                            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Preservative added:                                                                                                                                                                                                                 |  |  |  |                                                                                     |                                     |                                     |
| <input type="checkbox"/> H2SO4 lot# _____ added to samples _____ Date/Time _____                                                                                                                                                    |  |  |  |                                                                                     |                                     |                                     |
| <input type="checkbox"/> HCL lot# _____ added to samples _____ Date/Time _____                                                                                                                                                      |  |  |  |                                                                                     |                                     |                                     |
| <input type="checkbox"/> HNO3 lot# _____ added to samples _____ Date/Time _____                                                                                                                                                     |  |  |  |                                                                                     |                                     |                                     |
| <input type="checkbox"/> CrVI Buffer lot# _____ added to samples _____ Date/Time _____                                                                                                                                              |  |  |  |                                                                                     |                                     |                                     |
| <b>Section 6: Explanations / Comments</b>                                                                                                                                                                                           |  |  |  |                                                                                     |                                     |                                     |
| _____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                                                                                                                            |  |  |  |                                                                                     |                                     |                                     |
| Date Logged <u>4/26/19</u> By (print) <u>my</u> (sign) _____                                                                                                                                                                        |  |  |  |                                                                                     |                                     |                                     |
| Date Labeled <u>4/26/19</u> By (print) <u>my</u> (sign) _____                                                                                                                                                                       |  |  |  |                                                                                     |                                     |                                     |

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



### SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants 507200 Project: Hangar 1 NTCRA

Date Received: 4/27/24 Sampler's Name Present: ☐ Yes ☐ No

**Section 2**

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

Sample Temp (°C), One from each cooler: #1: 4.2 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

Shipping Information: \_\_\_\_\_

**Section 3**

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 4.2 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

**Section 5 Explanations/Comments**

\_\_\_\_\_

**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: 4/27/24



SOUTHWEST AIRLINES

Printed on:  
26 APR 20:05

526 OAK 1213 2676



|            |         |        |       |            |        |
|------------|---------|--------|-------|------------|--------|
| <b>ONT</b> |         |        |       | PC#        | 3 OF   |
|            |         |        |       | DG         | 8      |
|            |         |        |       | LOT WT     | G      |
|            |         |        |       |            | 285 LB |
|            |         |        |       | (129.3 KG) |        |
| OAK        | WN 5714 | 26 APR | 20:35 |            |        |
| STN        | FLT     | DATE   | ETD   | LOT 01     |        |



PC ID: 0003  
PC WT: 36LB

526 12132676 0003

S

4.2/4.2

## Lead

|                                                                     |  |                                 |                            |
|---------------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 507200                                                |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                                   |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ARCH-C13E-DG-1TO 1.5-UP-C13.1-HS-240426-L-LA |  | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-001                                           |  | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-001 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>41</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L26-240426-L                      |  | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-002                                           |  | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-002 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>260</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L26-240426-L                       |  | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-003                                           |  | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-003 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>22</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C14E-EXT-3 TO 4-240426-L-WF             |  | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-004                                           |  | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-004 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>61</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L23-240426-L                      |  | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-005                                           |  | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-005 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>150</b>                      | 0.50 ug/ft2                |

## Lead

|                                                                     |                           |                                 |                            |
|---------------------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 507200                                                |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                                   |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L23-240426-L                       | <b>Batch#:</b> 338924     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 04/26/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 507200-006                                           | <b>Received:</b> 04/26/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 04/27/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 04/28/24 |                                 |                            |
| <b>507200-006 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>92</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C13E-DG-4TO 4.5-DN-C13.5-VS-240426-L-LA |                           | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-007                                           |                           | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-007 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>16</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L20-240426-L                      |                           | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-008                                           |                           | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-008 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>120</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L20-240426-L                       |                           | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-009                                           |                           | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-009 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>35</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-FIELDBLANK-240426-L-LO                       |                           | <b>Batch#:</b> 338924           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |                           | <b>Sampled:</b> 04/26/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507200-010                                           |                           | <b>Received:</b> 04/26/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |                           | <b>Prepared:</b> 04/27/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |                           | <b>Analyzed:</b> 04/28/24       |                            |
| <b>507200-010 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |                           | <b>0.94</b>                     | 0.50 ug/ft2                |



## Lead

|                                             |                           |                                 |  |
|---------------------------------------------|---------------------------|---------------------------------|--|
| <b>Lab #:</b> 507200                        |                           | <b>Project#:</b> 20-10491       |  |
| <b>Client:</b> Rincon Consultants           |                           | <b>Location:</b> Hangar 1 NTCRA |  |
| <b>Field ID:</b> CLEAR-MEDBLANK-240426-L-LO | <b>Batch#:</b> 338924     | <b>Prep:</b> EPA 3050B          |  |
| <b>Type:</b> SAMPLE                         | <b>Sampled:</b> 04/26/24  | <b>Analysis:</b> EPA 6010B      |  |
| <b>Lab ID:</b> 507200-011                   | <b>Received:</b> 04/26/24 | <b>Analyst:</b> SBW             |  |
| <b>Matrix:</b> Wipe                         | <b>Prepared:</b> 04/27/24 |                                 |  |
| <b>Diln Fac:</b> 1.000                      | <b>Analyzed:</b> 04/28/24 |                                 |  |

| 507200-011 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | ND     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 338924     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1148476 | <b>Prepared:</b> 04/27/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 04/28/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1148476 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend

**ND:** Not Detected

**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 507200

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1148477

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 338924

**Prepared:** 04/27/24

**Analyzed:** 04/28/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1148477 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 50.13  | 100  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1148478

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 338924

**Prepared:** 04/27/24

**Analyzed:** 04/28/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1148478 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 51.97  | 104  | 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 : 507360  
Report Level : II  
Report Date : 04/30/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 507360  
 Project No: 20-10491  
 Location: Hangar 1 NTCRA  
 Date Received: 04/29/24

| Sample ID                                          | Lab ID     | Collected      | Matrix |
|----------------------------------------------------|------------|----------------|--------|
| CLEAR-AFRAME-C13E-LAT-L3-UP-C13.1-HS-240429-L-LA   | 507360-001 | 04/29/24 09:30 | Wipe   |
| CLEAR-SCAF-Z7EAB-L6-240429-L                       | 507360-002 | 04/29/24 09:35 | Wipe   |
| CLEAR-ENC-Z7EAB-L6-240429-L                        | 507360-003 | 04/29/24 09:40 | Wipe   |
| CLEAR-AFRAME-C13E-LAT-L2-UP-C13.7-VS-240429-L-I    | 507360-004 | 04/29/24 09:47 | Wipe   |
| CLEAR-SCAF-Z7EAB-L4-240429-L                       | 507360-005 | 04/29/24 09:50 | Wipe   |
| CLEAR-ENC-Z7EAB-L4-240429-L                        | 507360-006 | 04/29/24 09:52 | Wipe   |
| CLEAR-AFRAME-C13E-MED-L1-UP-C13.6-DG-240429-L-SS   | 507360-007 | 04/29/24 10:05 | Wipe   |
| CLEAR-AFRAME-C13E-MED-L1-UP-C13.6-DG-240429-L-DUP- | 507360-008 | 04/29/24 10:05 | Wipe   |
| CLEAR-SCAF-Z7EAB-L2-240429-L                       | 507360-009 | 04/29/24 10:10 | Wipe   |
| CLEAR-ENC-Z7EAB-L2-240429-L                        | 507360-010 | 04/29/24 10:15 | Wipe   |
| CLEAR-FIELDBLANK-240429-L-HO                       | 507360-011 | 04/29/24 09:33 | Wipe   |
| CLEAR-MEDBLANK-240429-L-HO                         | 507360-012 | 04/29/24 11:16 | Wipe   |

## Case Narrative

---

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

Lab Job 507360  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 04/29/24

---

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 04/30/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.

50750 507360 097507

| Chain of Custody Record                                                                                                                                                                                                                    |                                                      | Turn Around Time (rush by advanced notice only)                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| COC ID:                                                                                                                                                                                                                                    |                                                      | Standard:                                                                                                                                                                                                | 3 Day:      |
| Page:                                                                                                                                                                                                                                      | 1 of 1                                               | 2 Day:                                                                                                                                                                                                   | Custom TAT: |
| <b>ENTHALPY ANALYTICAL</b><br>Enthalpy Analytical - Orange<br>931 W. Barkley Avenue, Orange, CA 92668<br>Phone 714-771-6900                                                                                                                |                                                      | Matrix: A = Air S = Soil/Solid<br>W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water<br>SW = Swab T = Tissue WP = Wipe O = Other<br>Report: Level II                          |             |
| <b>CUSTOMER INFORMATION</b><br>Company: Rincon Consultants, Inc.<br>Report To: Lindsay Parker<br>Email: lparker@rinconconsultants.com<br>Address: 449 15th Street, Suite 303<br>Oakland, California 94612<br>Phone: (650) 890-9556<br>Fax: |                                                      | <b>PROJECT INFORMATION</b><br>Quote #: RIN031721<br>Proj. Name: Hanger 1 - NCTRA WP<br>Proj. #: 20-10491<br>P.O. #: 158 Cody Road, Mountain View, CA<br>Address:<br>Global ID:<br>Sampled By: T. Sinnott |             |
| <b>ANALYSIS REQUEST</b><br>Analysis request:                                                                                                                                                                                               |                                                      | <b>Test Instructions / Comments</b><br>Clearance Wine Samples - Level II<br>Report/Stage 2A Validation<br>Report lead concentrations on a µg/ft² basis                                                   |             |
| <b>Sample ID</b>                                                                                                                                                                                                                           |                                                      | <b>Lead - EPA Method 3050/60108</b>                                                                                                                                                                      |             |
| 1                                                                                                                                                                                                                                          | CLEAR-AFRAME-C13E-LAT-L3-UP-C13-1-HS-240429-L-LA     | WP                                                                                                                                                                                                       | 1           |
| 2                                                                                                                                                                                                                                          | CLEAR-SCAF-Z7TEAB-L2-240429-L                        | WP                                                                                                                                                                                                       | 1           |
| 3                                                                                                                                                                                                                                          | CLEAR-ENC-Z7TEAB-L6-240429-L                         | WP                                                                                                                                                                                                       | 1           |
| 4                                                                                                                                                                                                                                          | CLEAR-AFRAME-C13E-LAT-L2-UP-C13-7-VS-240429-L-1      | WP                                                                                                                                                                                                       | 1           |
| 5                                                                                                                                                                                                                                          | CLEAR-SCAF-Z7TEAB-L4-240429-L                        | WP                                                                                                                                                                                                       | 1           |
| 6                                                                                                                                                                                                                                          | CLEAR-ENC-Z7TEAB-L4-240429-L                         | WP                                                                                                                                                                                                       | 1           |
| 7                                                                                                                                                                                                                                          | CLEAR-AFRAME-C13E-MED-L1-UP-C13-6-DG-240429-L-SS     | WP                                                                                                                                                                                                       | 1           |
| 8                                                                                                                                                                                                                                          | CLEAR-AFRAME-C13E-MED-L1-UP-C13-6-DG-240429-L-DUP-SS | WP                                                                                                                                                                                                       | 1           |
| 9                                                                                                                                                                                                                                          | CLEAR-SCAF-Z7TEAB-L2-240429-L                        | WP                                                                                                                                                                                                       | 1           |
| 10                                                                                                                                                                                                                                         | CLEAR-ENC-Z7TEAB-L2-240429-L                         | WP                                                                                                                                                                                                       | 1           |
| 11                                                                                                                                                                                                                                         | CLEAR-FIELD BLANK-240429-L-HO                        | WP                                                                                                                                                                                                       | 1           |
| 12                                                                                                                                                                                                                                         | CLEAR-MED BLANK-240429-L-HO                          | WP                                                                                                                                                                                                       | 1           |
| 13                                                                                                                                                                                                                                         |                                                      |                                                                                                                                                                                                          |             |
| 14                                                                                                                                                                                                                                         |                                                      |                                                                                                                                                                                                          |             |
| 15                                                                                                                                                                                                                                         |                                                      |                                                                                                                                                                                                          |             |
| <b>Signature</b><br>Relinquished By: TK<br>Received By: [Signature]<br>Relinquished By: [Signature]<br>Received By: [Signature]<br>Relinquished By: [Signature]<br>Received By: [Signature]                                                |                                                      | <b>Print Name</b><br>Tyler Sinnott<br>[Signature]<br>[Signature]<br>[Signature]<br>[Signature]                                                                                                           |             |
| <b>Company / Title</b><br>Rincon / Envi. Scientist<br>[Signature]<br>[Signature]                                                                                                                                                           |                                                      | <b>Date / Time</b><br>4/29/24 / 1502<br>4/29/24 / 1507<br>4/29/24 / 1613<br>4/30/24 / 0920                                                                                                               |             |

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

| SAMPLE RECEIPT CHECKLIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |    |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----|
| <b>Section 1: General Info</b><br>Date Received: <u>4/29/24</u> Login # <u>507360</u> Client: <u>Rincon</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |    |     |
| <b>Section 2: Shipping / Custody</b><br>Shipping Info: _____<br>Are custody seals present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, where? <input type="checkbox"/> on cooler, <input type="checkbox"/> on samples, <input type="checkbox"/> on package<br>Custody seals intact on arrival? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date: _____ # of seals _____ <input type="checkbox"/> Signature <input type="checkbox"/> Initials                                                                                                                                                                                                                                                                                                                                                |     |    |     |
| <b>Section 3: Condition / Packaging</b> <span style="float: right;"><b>Important: Notify PM if temperature exceeds 6°C or arrive frozen</b></span><br>Date Opened <u>4/29/24</u> By (print) <u>am</u> (sign) _____<br><input checked="" type="checkbox"/> Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)<br>If no cooler: Sample Temp (°C): _____<br>How many coolers? <u>1</u> Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____<br>Temperature measured using <input type="checkbox"/> Thermometer ID: _____, or IR Gun # <input type="checkbox"/> B <input type="checkbox"/> C<br>Type of ice used: <input checked="" type="checkbox"/> Wet, <input type="checkbox"/> Blue/Gel, <input type="checkbox"/> None Temperature blank(s) included? <input type="checkbox"/> Yes, <input type="checkbox"/> No |     |    |     |
| <b>Section 4: Containers / Labels / Samples</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |    |     |
| Were custody papers dry, filled out properly, and the project identifiable?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YES | NO | N/A |
| 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: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     | /  |     |
| <b>Section 5: Preservatives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |    |     |
| 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:<br><input type="checkbox"/> H2SO4 lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> HCL lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> HNO3 lot# _____ added to samples _____ Date/Time _____<br><input type="checkbox"/> CrVI Buffer lot# _____ added to samples _____ Date/Time _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |     |
| <b>Section 6: Explanations / Comments</b><br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    |     |
| Date Logged <u>4/29/24</u> By (print) <u>am</u> (sign) _____<br>Date Labeled <u>4/29/24</u> By (print) <u>am</u> (sign) _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |    |     |

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



# ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

|                            |                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------|
| <b>Section 1</b>           |                                                                                             |
| Client: Rincon Consultants | Project: Hangar 1 NTCRA                                                                     |
| Date Received: 04/30/24    | Sampler's Name Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

|                                                                                                                                                                                                                                                                                        |                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Section 2</b>                                                                                                                                                                                                                                                                       |                                      |
| Sample(s) received in a cooler? <input checked="" type="checkbox"/> Yes, How many? <u>1</u> <input type="checkbox"/> No (skip section 2)                                                                                                                                               | Sample Temp (°C) (No Cooler) : _____ |
| Sample Temp (°C), One from each cooler: #1: <u>3.3</u> #2: _____ #3: _____ #4: _____                                                                                                                                                                                                   |                                      |
| <i>(Acceptance range is &lt; 6°C but not frozen (for Microbiology samples, acceptance range is &lt; 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                                                                                                                                                                                                                                               |                                      |

|                                                                                                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Section 3</b>                                                                                                                                                                                     |  |
| Was the cooler packed with: <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> Ice Packs <input checked="" type="checkbox"/> Bubble Wrap <input type="checkbox"/> Styrofoam |  |
| <input type="checkbox"/> Paper <input type="checkbox"/> None <input type="checkbox"/> Other _____                                                                                                    |  |
| Cooler Temp (°C): #1: <u>2-4</u> #2: _____ #3: _____ #4: _____                                                                                                                                       |  |

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

|                                        |
|----------------------------------------|
| <b>Section 5</b> Explanations/Comments |
| 507360                                 |

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| <b>Section 6</b>                                                                                                             |
| For discrepancies, how was the Project Manager notified? <input type="checkbox"/> Verbal PM Initials: _____ Date/Time: _____ |
| <input type="checkbox"/> Email (email sent to/on): _____ / _____                                                             |
| Project Manager's response:                                                                                                  |

Completed By: [Signature] Date: 4/30/24



SOUTHWEST AIRLINES

Printed on:  
29 APR 18:49

526 OAK 1219 8060



**SNA**

PC#  
5 OF

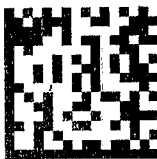
6

DG  
G

LOT WT  
210 LB  
(95.3 KG)

OAK WN 6043 30 APR 07:25

STN FLT DATE ETD LOT 01



PC ID: 0005  
PC WT: 35LB

526 12198060 0005

**S**

2.4 13.3

## Lead

|                                                                   |                           |                                 |                 |
|-------------------------------------------------------------------|---------------------------|---------------------------------|-----------------|
| <b>Lab #:</b> 507360                                              |                           | <b>Project#:</b> 20-10491       |                 |
| <b>Client:</b> Rincon Consultants                                 |                           | <b>Location:</b> Hangar 1 NTCRA |                 |
| <b>Field ID:</b> CLEAR-AFRAME-C13E-LAT-L3-UP-C13.1-HS-240429-L-LA | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                               | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-001                                         | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                               | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                            | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-001 Analyte</b>                                         |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                       |                           | <b>140</b>                      | 0.50 ug/ft2     |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L6-240429-L                     | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                               | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-002                                         | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                               | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                            | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-002 Analyte</b>                                         |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                       |                           | <b>180</b>                      | 0.50 ug/ft2     |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L6-240429-L                      | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                               | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-003                                         | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                               | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                            | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-003 Analyte</b>                                         |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                       |                           | <b>20</b>                       | 0.50 ug/ft2     |
| <b>Field ID:</b> CLEAR-AFRAME-C13E-LAT-L2-UP-C13.7-VS-240429-L-I  | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                               | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-004                                         | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                               | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                            | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-004 Analyte</b>                                         |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                       |                           | <b>31</b>                       | 0.50 ug/ft2     |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L4-240429-L                     | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                               | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-005                                         | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                               | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                            | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-005 Analyte</b>                                         |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                       |                           | <b>290</b>                      | 0.50 ug/ft2     |

## Lead

|                                                                     |                           |                                 |                 |
|---------------------------------------------------------------------|---------------------------|---------------------------------|-----------------|
| <b>Lab #:</b> 507360                                                |                           | <b>Project#:</b> 20-10491       |                 |
| <b>Client:</b> Rincon Consultants                                   |                           | <b>Location:</b> Hangar 1 NTCRA |                 |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L4-240429-L                        | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-006                                           | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-006 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                         |                           | <b>91</b>                       | 0.50 ug/ft2     |
| <b>Field ID:</b> CLEAR-AFRAME-C13E-MED-L1-UP-C13.6-DG-240429-L-SS   | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-007                                           | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-007 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                         |                           | <b>290</b>                      | 0.50 ug/ft2     |
| <b>Field ID:</b> CLEAR-AFRAME-C13E-MED-L1-UP-C13.6-DG-240429-L-DUP- | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-008                                           | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-008 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                         |                           | <b>130</b>                      | 0.50 ug/ft2     |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L2-240429-L                       | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-009                                           | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 5.000                                              | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-009 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                         |                           | <b>950</b>                      | 1.2 ug/ft2      |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L2-240429-L                        | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B          |                 |
| <b>Type:</b> SAMPLE                                                 | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                 |
| <b>Lab ID:</b> 507360-010                                           | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                 |
| <b>Matrix:</b> Wipe                                                 | <b>Prepared:</b> 04/30/24 |                                 |                 |
| <b>Diln Fac:</b> 1.000                                              | <b>Analyzed:</b> 04/30/24 |                                 |                 |
| <b>507360-010 Analyte</b>                                           |                           | <b>Result</b>                   | <b>RL Units</b> |
| <b>Lead</b>                                                         |                           | <b>300</b>                      | 0.50 ug/ft2     |

## Lead

|                                               |                                 |                            |
|-----------------------------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 507360                          | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants             | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-FIELDBLANK-240429-L-HO | <b>Batch#:</b> 339090           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                           | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507360-011                     | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                           | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                        | <b>Analyzed:</b> 04/30/24       |                            |

| 507360-011 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 1.1    | 0.50 | ug/ft2 |

|                                             |                           |                            |
|---------------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> CLEAR-MEDBLANK-240429-L-HO | <b>Batch#:</b> 339090     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                         | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507360-012                   | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                         | <b>Prepared:</b> 04/30/24 |                            |
| <b>Diln Fac:</b> 1.000                      | <b>Analyzed:</b> 04/30/24 |                            |

| 507360-012 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | ND     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 339090     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1149101 | <b>Prepared:</b> 04/30/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 04/30/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1149101 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

### Legend

**ND:** Not Detected

**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 507360

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1149102

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 339090

**Prepared:** 04/30/24

**Analyzed:** 04/30/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1149102 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 54.21  | 108  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1149103

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 339090

**Prepared:** 04/30/24

**Analyzed:** 04/30/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1149103 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 53.82  | 108  | 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 : 507361  
Report Level : II  
Report Date : 04/30/2024

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto: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 #: 507361  
 Project No: 20-10491  
 Location: Hangar 1 NTCRA  
 Date Received: 04/29/24

| Sample ID                                          | Lab ID     | Collected      | Matrix |
|----------------------------------------------------|------------|----------------|--------|
| CLEAR-ARCH-C14E-DG-5 TO 5.5-240429-L-FB            | 507361-001 | 04/29/24 08:20 | Wipe   |
| CLEAR-SCAF-Z7EAB-L17-240429-L                      | 507361-002 | 04/29/24 08:25 | Wipe   |
| CLEAR-ENC-Z7EAB-L17-240429-L                       | 507361-003 | 04/29/24 08:30 | Wipe   |
| CLEAR-ARCH-C13E-DG-6TO 6.5-UP-C13.4-HS-240429-L-LA | 507361-004 | 04/29/24 08:35 | Wipe   |
| CLEAR-SCAF-Z7EAB-L14-240429-L                      | 507361-005 | 04/29/24 08:40 | Wipe   |
| CLEAR-ENC-Z7EAB-L14-240429-L                       | 507361-006 | 04/29/24 08:45 | Wipe   |
| CLEAR-ARCH-C14E-PS-7'-240429-L-G                   | 507361-007 | 04/29/24 08:55 | Wipe   |
| CLEAR-SCAF-Z7EAB-L11-240429-L                      | 507361-008 | 04/29/24 09:00 | Wipe   |
| CLEAR-ENC-Z7EAB-L11-240429-L                       | 507361-009 | 04/29/24 09:05 | Wipe   |
| CLEAR-ARCH-C14E-EXT-8 TO 9-240429-L-WF             | 507361-010 | 04/29/24 09:10 | Wipe   |
| CLEAR-SCAF-Z7EAB-L8-240429-L                       | 507361-011 | 04/29/24 09:15 | Wipe   |
| CLEAR-ENC-Z7EAB-L8-240429-L                        | 507361-012 | 04/29/24 09:20 | Wipe   |
| CLEAR-ENC-Z7EAB-L8-240429-L-DUP                    | 507361-013 | 04/29/24 09:20 | Wipe   |

## Case Narrative

---

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

Lab Job 507361  
Number:  
Project No: 20-10491  
Location: Hangar 1  
NTCRA

Date Received: 04/29/24

---

This data package contains sample and QC results for thirteen wipe samples, requested for the above referenced project on 04/30/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.







# SAMPLE RECEIPT CHECKLIST

## Section 1: General Info

Date Received: 4/29/24 Login # 507361 Client: River

## 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 4/29/24 By (print) am (sign) \_\_\_\_\_

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

If no cooler: Sample Temp (°C): \_\_\_\_\_

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

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

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

## Section 4: Containers / Labels / Samples

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

## 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 4/29/24 By (print) am

(sign) \_\_\_\_\_

Date Labeled 4/29/24 By (print) am

(sign) \_\_\_\_\_



# ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**  
 Client: Rincon Consultants Project: Hangar 1 NTCRA  
 Date Received: 04/30/24 Sampler's Name Present: ☒ Yes ☐ No

**Section 2**  
 Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : \_\_\_\_\_  
 Sample Temp (°C), One from each cooler: #1: 3.3 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
*(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)*  
 Shipping Information: Southwest Airlines

**Section 3**  
 Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_  
 Cooler Temp (°C): #1: 2.4 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

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

**Section 5** Explanations/Comments  
507361

**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: 4/30/24

SOUTHWEST AIRLINES

Printed on:  
29 APR 18:49

526 OAK 1219 8060



**SNA**

PC#  
5 OF

6  
G DG

LOT WT  
210 LB  
(95.3 KG)

OAK WN 6043 30 APR 07:25

STN FLT DATE ETD LOT 01



PC ID: 0005  
PC WT: 35LB

526 12198060 0005

**S**

2-4 / 3-3

## Lead

|                                                                     |  |                                 |                            |
|---------------------------------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 507361                                                |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                                   |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ARCH-C14E-DG-5 TO 5.5-240429-L-FB            |  | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-001                                           |  | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-001 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>24</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L17-240429-L                      |  | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-002                                           |  | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 2.000                                              |  | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-002 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>550</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L17-240429-L                       |  | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-003                                           |  | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-003 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>53</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C13E-DG-6TO 6.5-UP-C13.4-HS-240429-L-LA |  | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-004                                           |  | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-004 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>88</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L14-240429-L                      |  | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                                 |  | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-005                                           |  | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                                 |  | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                                              |  | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-005 Analyte</b>                                           |  | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                                         |  | <b>270</b>                      | 0.50 ug/ft2                |

## Lead

|                                                         |                           |                                 |                            |
|---------------------------------------------------------|---------------------------|---------------------------------|----------------------------|
| <b>Lab #:</b> 507361                                    |                           | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants                       |                           | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L14-240429-L           | <b>Batch#:</b> 339089     | <b>Prep:</b> EPA 3050B          |                            |
| <b>Type:</b> SAMPLE                                     | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B      |                            |
| <b>Lab ID:</b> 507361-006                               | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW             |                            |
| <b>Matrix:</b> Wipe                                     | <b>Prepared:</b> 04/30/24 |                                 |                            |
| <b>Diln Fac:</b> 1.000                                  | <b>Analyzed:</b> 04/30/24 |                                 |                            |
| <b>507361-006 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                             |                           | <b>56</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C14E-PS-7'-240429-L-G       |                           | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-007                               |                           | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |                           | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-007 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                             |                           | <b>88</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L11-240429-L          |                           | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-008                               |                           | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |                           | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-008 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                             |                           | <b>400</b>                      | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L11-240429-L           |                           | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-009                               |                           | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                                  |                           | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-009 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                             |                           | <b>46</b>                       | 0.50 ug/ft2                |
| <b>Field ID:</b> CLEAR-ARCH-C14E-EXT-8 TO 9-240429-L-WF |                           | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                                     |                           | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-010                               |                           | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                                     |                           | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 2.000                                  |                           | <b>Analyzed:</b> 04/30/24       |                            |
| <b>507361-010 Analyte</b>                               |                           | <b>Result</b>                   | <b>RL Units</b>            |
| <b>Lead</b>                                             |                           | <b>610</b>                      | 0.50 ug/ft2                |

## Lead

|                                               |  |                                 |                            |
|-----------------------------------------------|--|---------------------------------|----------------------------|
| <b>Lab #:</b> 507361                          |  | <b>Project#:</b> 20-10491       |                            |
| <b>Client:</b> Rincon Consultants             |  | <b>Location:</b> Hangar 1 NTCRA |                            |
| <b>Field ID:</b> CLEAR-SCAF-Z7EAB-L8-240429-L |  | <b>Batch#:</b> 339089           | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                           |  | <b>Sampled:</b> 04/29/24        | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-011                     |  | <b>Received:</b> 04/29/24       | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                           |  | <b>Prepared:</b> 04/30/24       |                            |
| <b>Diln Fac:</b> 1.000                        |  | <b>Analyzed:</b> 04/30/24       |                            |

| 507361-011 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 240    | 0.50 | ug/ft2 |

|                                              |                           |                            |
|----------------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L8-240429-L | <b>Batch#:</b> 339089     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                          | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-012                    | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                          | <b>Prepared:</b> 04/30/24 |                            |
| <b>Diln Fac:</b> 1.000                       | <b>Analyzed:</b> 04/30/24 |                            |

| 507361-012 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 82     | 0.50 | ug/ft2 |

|                                                  |                           |                            |
|--------------------------------------------------|---------------------------|----------------------------|
| <b>Field ID:</b> CLEAR-ENC-Z7EAB-L8-240429-L-DUP | <b>Batch#:</b> 339089     | <b>Prep:</b> EPA 3050B     |
| <b>Type:</b> SAMPLE                              | <b>Sampled:</b> 04/29/24  | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> 507361-013                        | <b>Received:</b> 04/29/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe                              | <b>Prepared:</b> 04/30/24 |                            |
| <b>Diln Fac:</b> 1.000                           | <b>Analyzed:</b> 04/30/24 |                            |

| 507361-013 Analyte | Result | RL   | Units  |
|--------------------|--------|------|--------|
| Lead               | 32     | 0.50 | ug/ft2 |

|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>Type:</b> BLANK       | <b>Batch#:</b> 339089     | <b>Analysis:</b> EPA 6010B |
| <b>Lab ID:</b> QC1149098 | <b>Prepared:</b> 04/30/24 | <b>Analyst:</b> SBW        |
| <b>Matrix:</b> Wipe      | <b>Analyzed:</b> 04/30/24 |                            |
| <b>Diln Fac:</b> 1.000   | <b>Prep:</b> EPA 3050B    |                            |

| QC1149098 Analyte | Result | RL   | Units  |
|-------------------|--------|------|--------|
| Lead              | ND     | 0.50 | ug/ft2 |

Legend  
**ND:** Not Detected  
**RL:** Reporting Limit

## Lead: Batch QC

**Lab #:** 507361

**Client:** Rincon Consultants

**Project#:** 20-10491

**Location:** Hangar 1 NTCRA

**Type:** BS

**Lab ID:** QC1149099

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 339089

**Prepared:** 04/30/24

**Analyzed:** 04/30/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1149099 Analyte | Spiked | Result | %REC | Limits | Units  |
|-------------------|--------|--------|------|--------|--------|
| Lead              | 50.00  | 50.91  | 102  | 80-120 | ug/ft2 |

**Type:** BSD

**Lab ID:** QC1149100

**Matrix:** Wipe

**Diln Fac:** 1.000

**Batch#:** 339089

**Prepared:** 04/30/24

**Analyzed:** 04/30/24

**Prep:** EPA 3050B

**Analysis:** EPA 6010B

**Analyst:** SBW

| QC1149100 Analyte | Spiked | Result | %REC | Limits | Units  | RPD | Lim |
|-------------------|--------|--------|------|--------|--------|-----|-----|
| Lead              | 50.00  | 50.19  | 100  | 80-120 | ug/ft2 | 1   | 20  |

Legend

**RPD:** Relative Percent  
Difference