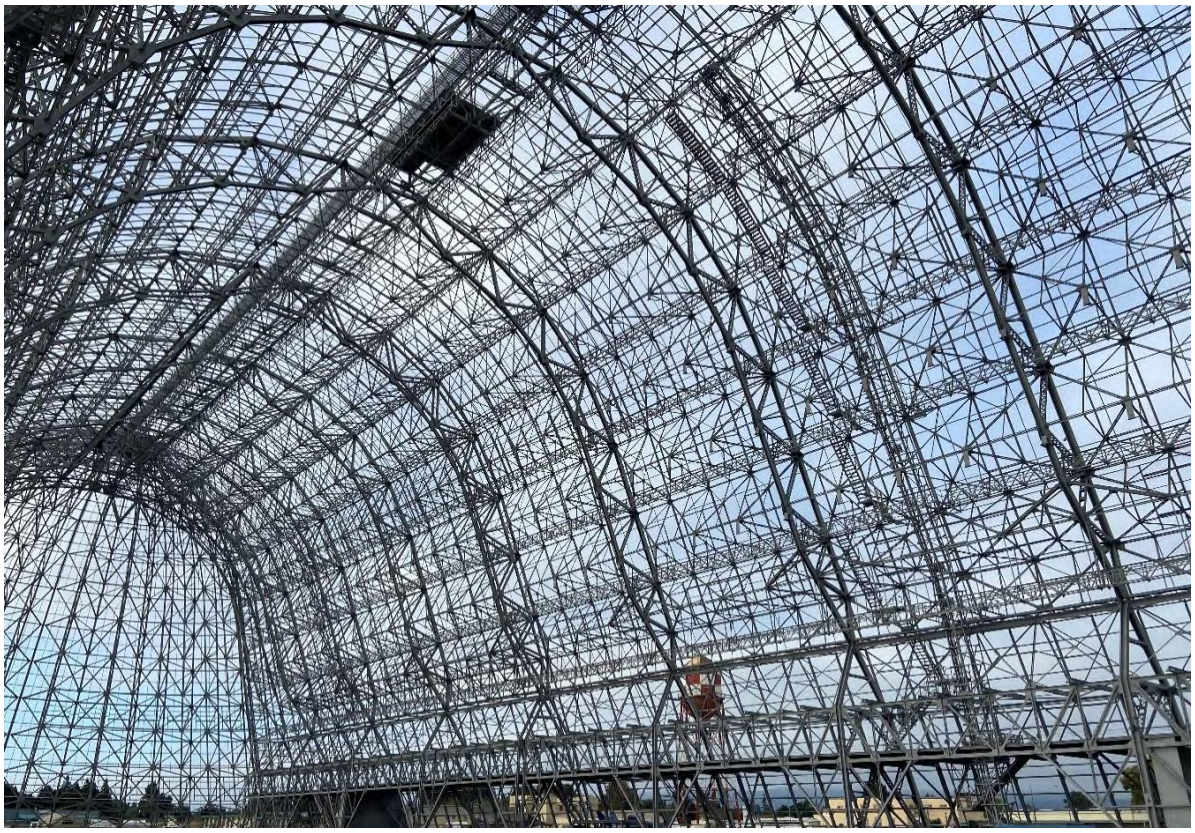


# Hangar 1 Data Summary Submittal

## High Occupancy Area of Zone 6

## Former Naval Air Station Moffett Field, California

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

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

**May 2024**

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

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# Acronyms and Abbreviations

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

# Executive Summary

Rincon Consultants, Inc. has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement activities within the High Occupancy Area of Zone 6 of Hangar 1 (Figure 1), located at the Former Naval Air Station Moffett Field, California, conducted pursuant to the Agency-approved Final Hangar 1 Non-Time-Critical Removal Action Work Plan. This DSS has been prepared to document achievement of the Project Cleanup Goals for the structural steel within the High Occupancy Area of Zone 6 within Hangar 1.

The National Association of Corrosion Engineers (NACE) inspection reports indicate that the lead and polychlorinated biphenyl (PCB) impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 76 wipe samples collected from within the High Occupancy Area of Zone 6 was approximately 109 micrograms per square foot (µg/ft$^2$), which is less than the numeric Cleanup Goals for lead (i.e., 250 µg/ft$^2$). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 micrograms per 100 square centimeters (i.e., less than [<] 0.5 µg/100 cm$^2$), which is less than the Cleanup Goal for PCBs, in any of the confirmation samples collected from within the High Occupancy Area of Zone 6.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the High Occupancy Area of Zone 6 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency and San Francisco Regional Water Quality Control Board provide concurrence that no further abatement is required for the High Occupancy Area of Zone 6.

# 1 Introduction

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) to document attainment of the Project Cleanup Goals within the High Occupancy Area[1] of Zone 6 of Hangar 1 (Figure 1), located at Former Naval Air Station Moffett Field, California, conducted pursuant the Agency-approved[2] Final Hangar 1 Non-Time-Critical Removal Action (NTCRA) Work Plan (EKI, 2022). Additional details about the sampling procedures and analytical methods used in the collection of these samples are presented in the NTCRA Work Plan.

The NTCRA is currently being performed by PV on behalf of the National Aeronautics and Space Administration (NASA), the Responsible Party for Hangar 1, and is being conducted by McCarthy Building Company (McCarthy), which has been retained by PV. The United States Environmental Protection Agency (U.S. EPA) and the San Francisco Bay Regional Water Quality Control Board (Water Board) are the Regulatory Agencies providing regulatory oversight during implementation of the NTCRA. Additional details about the planned removal action are presented in the NTCRA Work Plan (EKI, 2022).

This DSS has been prepared to document achievement of the Project Cleanup Goals for the structural steel within the High Occupancy Area of Zone 6 of Hangar 1 and includes:

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

Discussion of the clearance wipe sampling results for the High and Low Occupancy Areas within Enclosure A/B and C/D of Zone 6 are included in the data summary submittal report prepared by Rincon for the Low Occupancy Area of Zone 6 (Rincon, 2024).

[1] The High Occupancy Area of Zone 6 includes the area below the arch pin (i.e., below 55-feet) in Enclosures A/B and C/D.

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

# 2 Attainment of Project Cleanup Goals

In accordance with Section 5.1 of the NTCRA Work Plan, the Project Cleanup Goals for non-porous surfaces in High Occupancy Areas are as follows.

| Substrate | Chemicals | Elements | Project Cleanup Goals |
|---|---|---|---|
| Non-Porous Surfaces | • Lead<br>• PCBs | • Visual Inspection by qualified NACE/SSPC surface coating inspector | • No visible paint remains<br>• Achievement of NACE 3/SSPC SP-6 surface preparation and visible cleanliness standard |
| | | • Collection and analysis of wipe confirmation samples | • Lead: <250 micrograms per square foot (µg/ft$^2$)<br>• PCBs: ≤10 micrograms per 100 square centimeters (µg/100 cm$^2$) |

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

The visual inspections (Section 2.1) and confirmation wipe sampling (Section 2.2) results indicate that the Project Cleanup Goals have been met and no additional abatement is necessary within the High Occupancy Area of Zone 6.

## 2.1 Visual Inspections

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

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

## 2.2 Confirmation Sampling Results

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

[3] Abatement in both the High and Low Occupancy Areas of Zone 6 was completed on February 10, 2024.

### 2.2.1 Initial Abatement and Sampling Efforts

A total of 116 confirmation wipe samples were collected from the High Occupancy Area of Zone 6, including QC samples (i.e., field blank samples and field duplicate samples). Of the 116 confirmation wipe samples, and QC samples, 92 were lead wipe samples and 24 were PCB wipe samples: [4]

- 76 lead confirmation wipe samples and 20 PCB confirmation wipe samples;
- Four lead media blanks;[5]
- Four lead field blank samples and two PCB field blank samples; and,
- Eight lead duplicate confirmation wipe samples and two PCB duplicate confirmation wipe samples.

The tabulated confirmation wipe sampling and QC results, with both laboratory and data validation flags, 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 Evaluation of the Confirmation Wipe Sampling Data

Upon completion of confirmation wipe sampling activities within the High Occupancy Area of Zone 6, a total of two of the lead confirmation wipe samples collected, or approximately 3-percent, exceeded the numeric Cleanup Goal of less than (<) 250 µg/ft$^2$; neither of these exceedances were greater than 3-times or 5-times the numeric Cleanup Goal.

Rincon calculated the 95-percent UCL for the mean lead concentration in the confirmation wipe samples using Version 5.2 of the ProUCL program (U.S. EPA, 2022). The results for the field blank samples, media blank samples, and the lower of the duplicate sampling results[6] were not included in the calculation of the 95-percent UCL. As shown in Table 1, the 95-percent UCL of the mean lead concentration (i.e., approximately 109 µg/ft$^2$) is below the numeric Cleanup Goal. The Pro-UCL input and output files for lead confirmation wipe samples are included in Attachment 4.

All PCB confirmation wipe sample results were below 0.5 µg/100 cm$^2$, the highest reported laboratory quantitation limit (QL); therefore, none of the PCB sample results exceeded the numeric Cleanup Goal for the High Occupancy Area of less than or equal to (≤) 10 µg/100 cm$^2$. The 95-percent UCL could not be calculated for PCBs because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected within the High Occupancy Area of Zone 6.

Table 1 95-Percent UCL for Confirmation Wipe Samples

| Analyte | Method | Project Cleanup Goal | 95% UCL |
|---|---|---|---|
| Lead | U.S. EPA Method 3050M/6010B | <250 µg/ft$^2$ | 109 µg/ft$^2$ |
| PCB | U.S. EPA Method 8082 | ≤10 µg/100 cm$^2$ | --[a] |
| **Notes:** [a] The 95-percent UCL could not be calculated for PCBs because all analytical results were below laboratory QLs. | | | |

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

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

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

# 3 Data Usability Assessment

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

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

## 3.1 Data Verification

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

A field audit by Rincon's field manager, which included a review of the field sampling protocols, was conducted on January 22, 2024. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA.[7] The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

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

As the total square footage of steel in the High Occupancy Area of Zone 6 was less than that estimated in Worksheet #20-2, fewer confirmation wipe samples were collected within the High Occupancy Area to maintain the appropriate sample collection frequency as described in the revised Worksheet #20-2[8] of the UFP-QAPP. The actual confirmation lead wipe sampling frequency (i.e., one sample per 985 square feet [$ft^2$] of abated steel) as well as the frequencies of the field duplicate, field blank, and media blank samples were consistent with, or greater than, the frequencies per the UFP-QAPP (i.e., the revised Worksheet #20-2).

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

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

Table 2 Lead Wipe Sample Summary

| | No. of Lead Confirmation Wipe Samples | No. of Field Duplicates or Frequency | No. of Field Blanks or Frequency [b] | No. of Media Blanks or Frequency [b] |
|---|---|---|---|---|
| Required frequency per UFP-QAPP Worksheet #20-2 | 1 sample per every 1,000 $ft^2$ of abated steel | 10% | 5% | 5% |
| Anticipated Number of Samples | 80 [a] | 8 [10%] | 4 [5%] | 4 [5%] |
| Actual Square Footage within the High Occupancy Area of Zone 3 | 74,860 $ft^2$ | | | |
| Samples Collected | 76 | 8 | 4 | 4 |
| Actual Frequency | 1 sample per every 985 $ft^2$ of abated steel | 11% | 5% | 5% |

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

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 Analysis in Zone 5 through Zone 8 Memorandum* (PCB Sampling Reduction Memo; Rincon, 2023c). Table 3 provides a summary of the total number of confirmation samples and field QC samples for PCBs.

Table 3 PCB Wipe Sample Summary

| | No. of PCB Confirmation Wipe Samples | No. of Field Duplicates or Frequency | No. of Field Blanks or Frequency [a] |
|---|---|---|---|
| Required Frequency per Rincon (2023c) | 10 samples per enclosure [b] | 10% | 5% |
| Anticipated Number of Samples | 20 | 2 | 2 |
| Samples Collected | 20 | 2 [10%] | 2 [10%] |

**Notes:**
[a] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP.
[b] As stated in the PCB Wipe Sampling Reduction Memo (Rincon, 2023c), while the NTCRA Work Plan originally proposed reducing the confirmation sampling frequency to 10 samples plus one duplicate sample per enclosure, the Project Team will remain consistent with the overall number of samples per zone; therefore, 40 confirmation samples plus 4 duplicate samples will be collected per Zone. The remaining 20 PCB confirmation wipe samples were collected within the Low Occupancy Area of Zone 6 and were discussed in the Data Summary Submittal for the Low Occupancy Area of Zone 6 (Rincon, 2024).

## 3.2 Data Validation

LDC conducted data validation on the analytical laboratory reports for the confirmation wipe samples collected, which included a review of chain-of-custody forms and laboratory deliverables. Stage 3 validation was conducted on 48 samples and Stage 2A validation was conducted on the remaining 68 samples (Attachment 5).

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

## 3.3 Data Precision

Data precision is a quantitative measure of the variability of a group 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 4, all lead and PCB duplicate laboratory sample pairs met the measurement performance criteria (MPC) outlined in the UFP-QAPP.

Table 4 Laboratory Duplicate Sample Summary

| Laboratory QC Sample | No. of Lab QC Samples Analyzed | MPC | No. of Lab QC Samples Exceeding MPC | Percentage of Laboratory QC Samples That Exceeded the MPC |
|---|---|---|---|---|
| LCS/LCSD – Lead | 7 | RPD ≤20% | 0 | 0% |
| LCS/LCSD – PCB | 2 | RPD ≤20% | 0 | 0% |

**Notes:**
LCS: Laboratory Control Spike
LCSD: Laboratory Control Spike Duplicate

### 3.3.2 Field Duplicate Samples

As seen in Table 5, all lead field duplicate samples met the MPC outlined in the UFP-QAPP; the agreement between results of the original sample and the duplicate sample indicate that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and that the field sampling was conducted in a reproducible manner.

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

Table 5 Field Duplicate Sample Summary

| Analyte – Sample Type | No. of Field Duplicate Samples Collected | MPC | No. of Field Duplicate Samples in Exceedance of the MPC | Percentage of Field Replicate Samples That Exceeded the MPC |
|---|---|---|---|---|
| Lead – Wipe | 8 | RPD ≤100% | 0 | 0% |
| PCB – Wipe | 2 | RPD ≤100% | --[a] | --[a] |

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

## 3.4 Data Accuracy/Bias

Data bias may result from systematic analytical error and is evaluated based on laboratory spike results for routine QC samples prepared and analyzed by the analytical laboratory.[9] Data accuracy is a measure of the overall agreement with a known value and includes a combination of random error and systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

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

### 3.4.1 Laboratory QC Samples

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

Table 6 Laboratory QC Sample Summary

| Laboratory QC Samples | No. of Samples Analyzed | MPC | No. of Samples Outside of the MPC | Percentage of Samples That Do Not Meet MPC |
|---|---|---|---|---|
| Lead LCS and LCSD | 14 | %R 80-120% | 0 | 0% |
| Lead Method Blank Samples | 7 | <QL | 0 | 0% |
| PCB LCS and LCSD | 4 | %R 60-140% | 0 | 0% |
| PCB Method Blank Samples | 2 | <QL | 0 | 0% |
| **Notes:** %R: Percent Recovery | | | | |

### 3.4.2 Laboratory Surrogate Spikes

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

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

### 3.4.3 Field QC Samples

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

Table 7 Field QC Sample Summary

| Field QC Samples | No. of Samples Analyzed | MPC | Percentage of Samples That Do Not Meet MPC |
|---|---|---|---|
| Lead Field Blank Samples | 4 | <10 µg/ft$^2$ | 0% |
| Lead Media Blank Samples [a] | 4 | <QL | 0% |
| PCB Field Blank Samples | 2 | <QL | 0% |
| **Notes:** [a] As described in the *Lead Detections in Media Blank Samples Memorandum* dated August 3, 2023 (Rincon, 2023b), media blank samples were only analyzed for lead. | | | |

In accordance with the corrective actions described in the *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum* (Media Blank Memo; Rincon, 2023b), Rincon collected both lead field blank and lead media blank samples in the High Occupancy Area of Zone 6. Because PCBs have not been detected above the laboratory QLs in any field blank samples, media blank samples were only analyzed for lead. Field blank samples were analyzed for both lead and PCBs.

Lead was detected above the laboratory QL in one of the four field blank samples collected; however, the result did not exceed the MPC of <10 µg/ft$^2$ and the reported result for the field blank sample was more than 50 times lower than the Cleanup Goal for lead. As described in the DSS for the High Occupancy Area of Zone 1 (Rincon, 2023a), the lead reported in field blank samples is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.[10]

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

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 the laboratory QLs in any of the field blank samples.

Lead was not detected above the laboratory QLs in any of the media blank samples associated with the High Occupancy Area of Zone 6.

## 3.5 Summary of Representativeness, Completeness, and Comparability

### 3.5.1 Representativeness

Representativeness is a qualitative measure that expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at the sampling point, a process condition, or an environmental condition. The following were evaluated to assess the representativeness of the wipe sampling data collected from the High Occupancy Area of Zone 6:

- A field audit, which included a review of the field sampling protocols, was conducted on January 22, 2024. Sample collection was performed in compliance with the field SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples; and
- All confirmation wipe samples were analyzed within acceptable sample holding times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP.[11]

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

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

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

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

Table 8 Completeness for Confirmation Wipe Samples

| Analyte – Sample Type | Total No. of Samples | Usable Results (%) | Unusable Results (%) | % Completeness - Measurement Performance Criteria |
|---|---|---|---|---|
| Lead – Wipe | 76 | 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 High Occupancy Area of Zone 6) are comparable. Comparability criteria are met if, based on data validation, the sample collection and analytical procedures are determined to have been followed, or variations in sample collection and analytical procedures were deemed to not have resulted in sample results being rejected.

To ensure comparability of the data generated for the High Occupancy Area of Zone 6, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on January 22, 2024, as well as regular reviews of field forms and chain-of custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

## 3.6 Sensitivity

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. As seen in Table 9, the laboratory specific QLs outlined in the UFP-QAPP were 0.5 µg/ft$^2$ for lead and 0.5 µg/100 cm$^2$ for PCBs. One lead confirmation wipe sample had a QL that exceeded the limits defined in the UFP-QAPP, however, because the affected sample had a high reported lead concentration (i.e., 460 µg/ft$^2$), the elevated QL does 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 9 Sensitivity Comparison for Confirmation Wipe Samples

| Analyte | Method | Cleanup Goal | Laboratory Specific QL in QAPP | Maximum QL Reported |
|---|---|---|---|---|
| Lead | U.S. EPA Method 3050M/6010B | <250 µg/ft$^2$ | 0.5 µg/ft$^2$ | 3.3 µg/ft$^2$ |
| PCB | U.S. EPA Method 8082 | ≤10 µg/100 cm$^2$ | 0.5 µg/100 cm$^2$ | 0.50 µg/100 cm$^2$ |

# 4 Conclusions

Based on the NACE inspections and the DUA (Section 3), the lead and PCB confirmation wipe sampling results are suitable for comparison against their respective Cleanup Goals. The 95-percent UCL for the mean lead concentration in the confirmation wipe samples collected within the High Occupancy Area of Zone 6 was approximately 109 µg/ft$^2$, which is below the Cleanup Goal for lead (i.e., <250 µg/ft$^2$). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 µg/100 cm$^2$ in any of the confirmation samples collected from within the High Occupancy Area of Zone 6.

Given that the 95-percent UCL for lead confirmation wipes is below the Cleanup Goal for lead and that PCBs were not detected in any of the confirmation wipe samples above a maximum analytical reporting limit of 0.5 µg/100 cm$^2$, the High Occupancy Area of Zone 6 is suitable for unrestricted use.

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

# 5 References

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

Rincon Consultants, Inc. (Rincon). 2024. *Hangar 1 Data Summary Submittal; Low Occupancy Area of Zone 6, Former Naval Air Station Moffett Field, California.* March 2024.

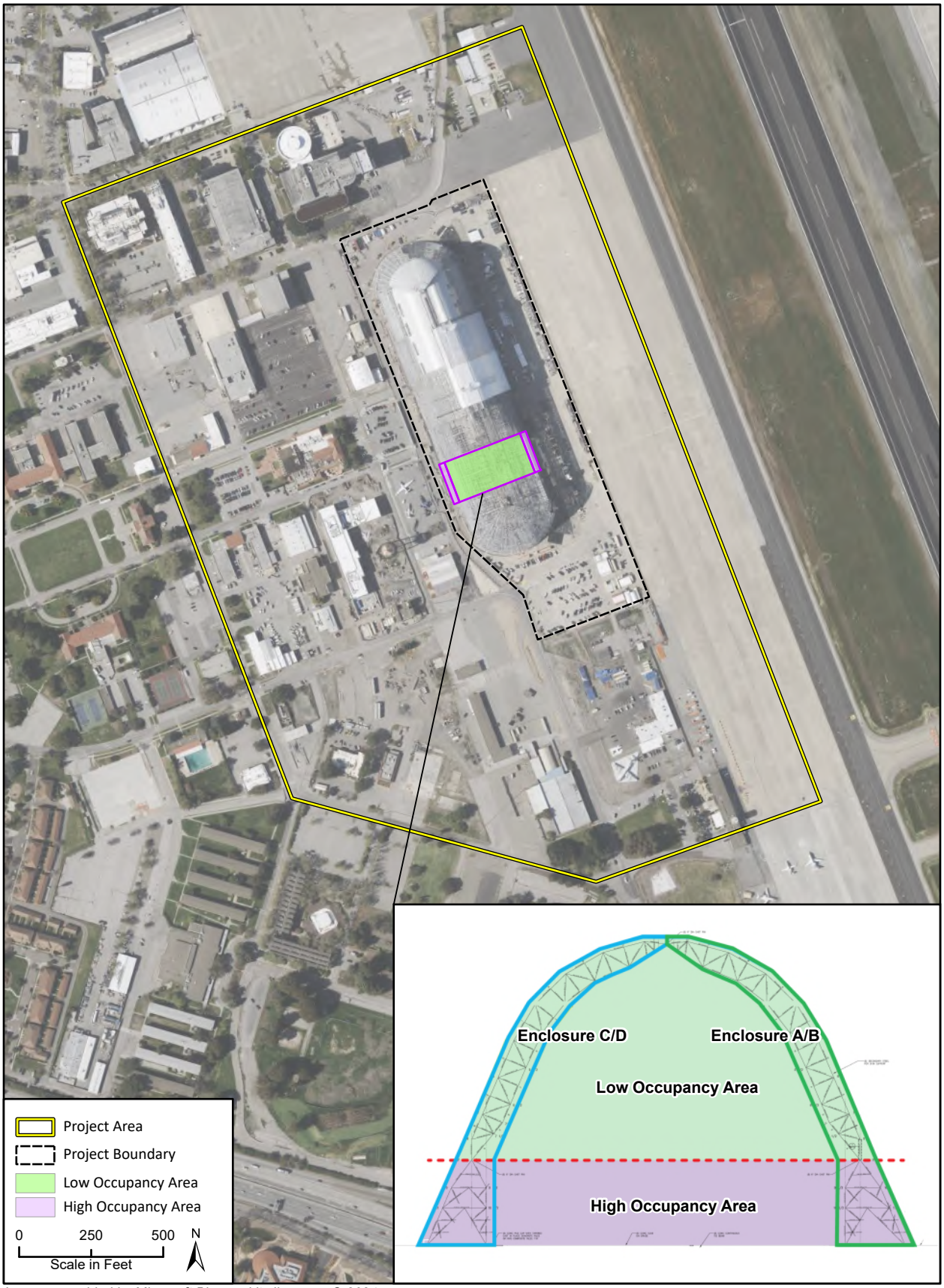
Rincon. 2023a. *Hangar 1 Data Summary Submittal; High Occupancy Area of Zone 1, Former Naval Air Station Moffett Field, California.* March 2023.

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

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

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

# Figures




*Imagery provided by Microsoft Bing and its licensors © 2024.*

Plan Map and Cross Section of Zone 6

Figure 1

# Attachment 1

NACE Inspection Forms

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

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

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

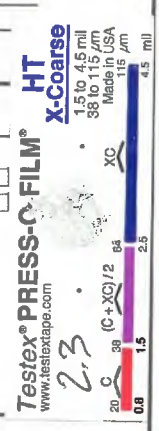
**Environmental Conditions:**

| | 54:49AM | 10:49AM | 1:49PM | 5:49PM | | | | | Specified Conditions |
|---|---|---|---|---|---|---|---|---|---|
| Time | | | | | | | | | |
| Dry Bulb | 51.9 °F | 61.2 °F | 65.7 °F | 62.5 °F | | | | | 35-120 F |
| Wet Bulb | 45.5 °F | 51.1 °F | 53.9 °F | 51.6 °F | | | | | |
| Depression | 6.4 °F | 10.1 °F | 11.8 °F | 10.9 °F | | | | | |
| Relative Humidity | 58.1% | 44.7% | 40.1% | 41.5% | | | | | 85% |
| Dew Point | 37.6 °F | 39.5 °F | 40.8 °F | 38.8 °F | | | | | |
| Steel temp | 50.0 °F | 60.0 °F | 64.4 °F | 61.4 °F | | | | | 35-120 F |
| Difference | 12.3 °F | 20.5 °F | 23.5 °F | 22.6 °F | | | | | +5 F |
| Conditions | SAT | SAT | SAT | SAT | | | | | |

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 1 BLASTING ZONE 6A.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/20/2023
QC Supervisor Signature: _____ Date: 11-21-23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**
**2320 CORDELIA ROAD, FAIRFIELD, CA 94534**
**QUALITY CONTROL - DAILY REPORT**

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

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

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 2 BLASTING ZONE 6A.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/21/2023
QC Supervisor Signature: _____ Date: 11-22-23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

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

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

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 3 BLASTING ZONE 6A.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/22/2023
QC Supervisor Signature: _____ Date: 11-27-23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22
The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**
**2320 CORDELIA ROAD, FAIRFIELD, CA 94534**
**QUALITY CONTROL - DAILY REPORT**

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

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

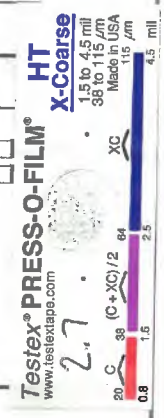
**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 4 BLASTING ZONE 6A.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/27/2023
QC Supervisor Signature: _____ Date: 11-27-23
Form No. QC0005 Revision: 2 Rev/Date 23-Sep-22 The results relate only to items inspected/tested
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 | Project: | HANGAR 1 |
| Certified Supervisor: | TJ GARLAND-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER II |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Tuesday, November 28, 2023 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA A BLASTING | | MOFFETT FIELD CA.94305 |

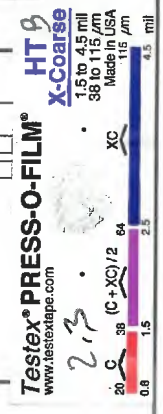
**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 5 BLASTING ZONE 6A.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/28/2023
QC Supervisor Signature: _____ Date: 11-29-23



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

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

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

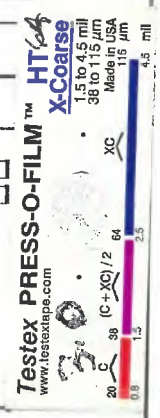
**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

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

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/29/2023
QC Supervisor Signature: _____ Date: 11-30-23


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 | Project: | HANGAR 1 |
| Certified Supervisor: | TJ GARLAND-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER II |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Thursday, November 30, 2023 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA A BLASTING | | MOFFETT FIELD CA.94305 |

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Specified Cleaning: | SP 1 [☐] | SP 2 [☐] | SP 3 [☐] | SP 5 [☐] | SP 6 [☑] | SP 7 [☐] | SP 10 [☐] | SP 11 [☐] |
| Actual Cleaning: | SP 1 [☐] | SP 2 [☐] | SP 3 [☐] | SP 5 [☐] | SP 6 [☐] | SP 7 [☐] | SP 10 [☑] | SP 11 [☐] |

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 7 BLASTING ZONE 6A. 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/30/2023
QC Supervisor Signature: _____ Date: 12-5-23



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

| | | | |
|---|---|---|---|
| Client Representative: | McCARTHY | Project: | HANGAR 1 |
| Certified Supervisor: | TJ GARLAND-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER II |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Friday, December 1, 2023 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA A BLASTING | | MOFFETT FIELD CA.94305 |

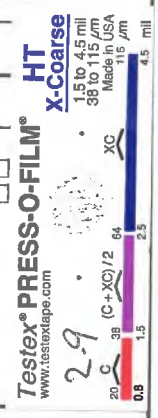
**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 8 BLASTING ZONE 6A. 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 12/1/2023
QC Supervisor Signature: _____ Date: 12-5-23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**
**2320 CORDELIA ROAD, FAIRFIELD, CA 94534**
**QUALITY CONTROL - DAILY REPORT**

| | | | |
|---|---|---|---|
| Client Representative: | McCARTHY | Project: | HANGAR 1 |
| Certified Supervisor: | TJ GARLAND-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER II |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Saturday, December 2, 2023 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA A BLASTING | | MOFFETT FIELD CA.94305 |

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

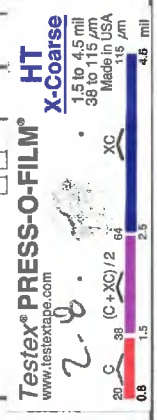
**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Specified Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☑ | SP 7 ☐ | SP 10 ☐ | SP 11 ☐ |
| Actual Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☐ | SP 7 ☐ | SP 10 ☑ | SP 11 ☐ |

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.8 mils




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: DAY 8 BLASTING ZONE 6A. 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 12/2/2023
QC Supervisor Signature: _____ Date: 12-6-23



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

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

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

**Environmental Conditions:**

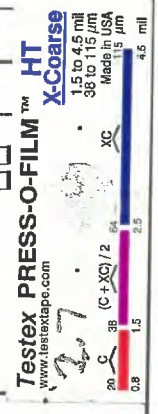
| Time | 5:25AM | 9:25AM | 12:25PM | 4:25PM | | | | | Specified Conditions |
|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 54.6 °F | 56.7 °F | 63.0 °F | 64.1 °F | | | | | 35-120 F |
| Wet Bulb | 50.9 °F | 52.4 °F | 56.4 °F | 57.1 °F | | | | | |
| Depression | 3.7 °F | 4.3 °F | 6.6 °F | 7.0 °F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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

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

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 12/4/2023
QC Supervisor Signature: _____ Date: 12-6-23


The results relate only to items inspected/tested

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

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

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

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

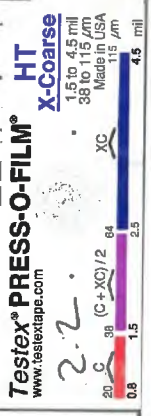
**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.2 mils




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: Day #1 blasting, 16 blasters.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/9/2024
QC Supervisor Signature: _____ Date: 1-10-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**
**2320 CORDELIA ROAD, FAIRFIELD, CA 94534**
**QUALITY CONTROL - DAILY REPORT**

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

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

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, HEATERS, & D.H.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Specified Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☑ | SP 7 ☐ | SP 10 ☐ | SP 11 ☐ | |
| Actual Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☐ | SP 7 ☐ | SP 10 ☑ | SP 11 ☐ | |

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3.5 mils




**PRIMER**

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

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

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

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

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

Notes: Day #2 blasting, 16 blasters.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/10/2024
QC Supervisor Signature: _____ Date: 1-11-24


The results relate only to items inspected/tested

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

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

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

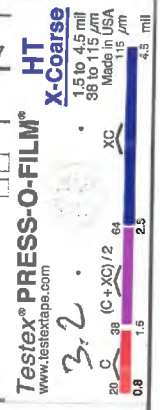
**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

**SURFACE PREPARATION**

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: Day #3 blasting, 16 blasters.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/16/2024
QC Supervisor Signature: _____ Date: 1-17-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**
**2320 CORDELIA ROAD, FAIRFIELD, CA 94534**
**QUALITY CONTROL - DAILY REPORT**

| | | | |
|---|---|---|---|
| Client Representative: | McCARTHY | Project: | HANGAR 1 |
| Certified Supervisor: | NICK RODRIGUEZ-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER II |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Wednesday, January 17, 2024 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA D ABRASSIVE BLASTING | | MOFFETT FIELD CA.94305 |

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT, HEATERS, D.H. AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Specified Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☑ | SP 7 ☐ | SP 10 ☐ | SP 11 ☐ |
| Actual Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☐ | SP 7 ☐ | SP 10 ☑ | SP 11 ☐ |

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: Day #4 blasting, 16 blasters.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/17/2024
QC Supervisor Signature: _____ Date: 1-19-24



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

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

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

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT, HEATERS, D.H. AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

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

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/23/2024
QC Supervisor Signature: _____ Date: 1-24-24


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 | Project: | HANGAR 1 |
| Certified Supervisor: | NICK RODRIGUEZ-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER II |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Thursday, January 25, 2024 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA D ABRASIVE BLASTING | | MOFFETT FIELD CA.94305 |

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT, HEATERS, D.H. AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

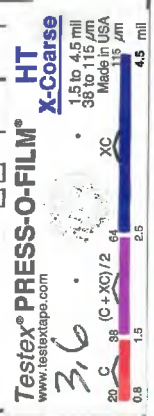
**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Specified Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☑ | SP 7 ☐ | SP 10 ☐ | SP 11 ☐ |
| Actual Cleaning: | SP 1 ☐ | SP 2 ☐ | SP 3 ☐ | SP 5 ☐ | SP 6 ☐ | SP 7 ☐ | SP 10 ☑ | SP 11 ☐ |

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3.6 mils




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: Day #6 blasting, 16 blasters.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/25/2024
QC Supervisor Signature: _____ Date: 1-26-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**
**2320 CORDELIA ROAD, FAIRFIELD, CA 94534**
**QUALITY CONTROL - DAILY REPORT**

| | | | |
|---|---|---|---|
| Client Representative: | McCARTHY | Project: | HANGAR 1 |
| Certified Supervisor: | NICK RODRIGUEZ-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER II |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Friday, January 26, 2024 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA D ABRASIVE BLASTING | | MOFFETT FIELD CA.94305 |

**Environmental Conditions:**

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

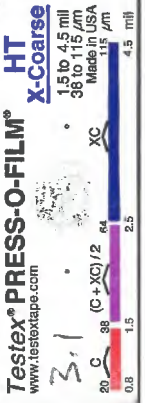
Environmental Controls? CONTAINMENT, HEATERS, D.H. AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: Day #7 blasting, 16 blasters.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/26/2024
QC Supervisor Signature: _____ Date: 1-29-24



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

| | | | |
|---|---|---|---|
| Client Representative: | McCARTHY | Project: | HANGAR 1 |
| Certified Supervisor: | NICK RODRIGUEZ-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Thursday, February 8, 2024 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA D ABRASIVE BLASTING | | MOFFETT FIELD CA.94305 |

**Environmental Conditions:**

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

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Specified Cleaning: | SP 1 [☐] | SP 2 [☐] | SP 3 [☐] | SP 5 [☐] | SP 6 [☑] | SP 7 [☐] | SP 10 [☐] | SP 11 [☐] |
| Actual Cleaning: | SP 1 [☐] | SP 2 [☐] | SP 3 [☐] | SP 5 [☐] | SP 6 [☐] | SP 7 [☐] | SP 10 [☑] | SP 11 [☐] |

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 2.6 mils




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: BLASTING STARTED @12:43PM

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/8/2024
QC Supervisor Signature: _____ Date: 2-26-24



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

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

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

**Environmental Conditions:**

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

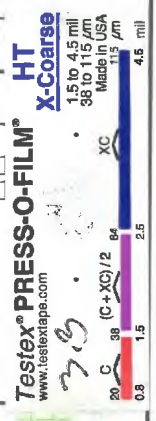
Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

Notes: BLASTING STARTED @6:13AM, 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/9/2024
QC Supervisor Signature: _____ Date: 2-26-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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**CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.**
**2320 CORDELIA ROAD, FAIRFIELD, CA 94534**
**QUALITY CONTROL - DAILY REPORT**

| | | | |
|---|---|---|---|
| Client Representative: | McCARTHY | Project: | HANGAR 1 |
| Certified Supervisor: | NICK RODRIGUEZ-ISRAEL VILLALOBOS | Inspector: | TJ GARDNER |
| Work Location: | MOFFETT FIELD CA. | Date Worked: | Friday, February 9, 2024 |
| Owner: | GOOGLE | Address: | FORMER NAVAL AIR STATION |
| Task: | ZONE 6 AREA D ABRASIVE BLASTING | | MOFFETT FIELD CA.94305 |

**Environmental Conditions:**

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

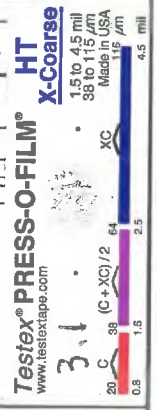
Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

**SURFACE PREPARATION**

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

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




**PRIMER**

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

***INTERMEDIATE*** ☐ ***FINISH*** ☐

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

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

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/10/2024
QC Supervisor Signature: _____ Date: 2-26-24



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# Attachment 2

Tabulated PCB and Lead Confirmation Wipe Sampling Analytical Results

# Validated Confirmation Wipe Sampling Results - High Occupancy Area of Zone 6

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

| Location ID [a] | Sample Date | Enclosure | Lead Result | PCBs | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Aroclor-1262 | Aroclor-1268 |
| | | | µg/ft$^2$ | Concentration - µg/100 cm$^2$ | | | | | | | | |
| **Cleanup Goal (High Occupancy Area)** | | | **<250** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** |
| AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-LA | 12/08/2023 | A/B | **20** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-DUP-LA | 12/08/2023 | A/B | -- | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-LA | 12/08/2023 | A/B | **16** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-LA | 12/08/2023 | A/B | **17** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-WF | 12/08/2023 | A/B | **78** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-LA [b] | 12/08/2023 | A/B | **63** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-DUP-LA | 12/08/2023 | A/B | **77** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-LA | 12/08/2023 | A/B | **36** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-WF | 12/08/2023 | A/B | **110** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-DUP-WF [b] | 12/08/2023 | A/B | **86** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-LA | 12/08/2023 | A/B | **210** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-LA | 12/08/2023 | A/B | **150** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-LA | 12/08/2023 | A/B | **73** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C12E-MED-L3-DN-C12.6-VS-231208-LA | 12/08/2023 | A/B | **83** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-LA | 12/08/2023 | A/B | **200** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L2-HS-1-231208-G | 12/08/2023 | A/B | **29** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13E-MED-L2-HS-1-231208-G | 12/08/2023 | A/B | **32** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-I | 12/08/2023 | A/B | **28** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-FB | 12/08/2023 | A/B | **130** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-I | 12/08/2023 | A/B | **43** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-FB | 12/08/2023 | A/B | **22** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-I | 12/08/2023 | A/B | **25** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L2-EXT-0 TO 1-231208-WF | 12/08/2023 | A/B | **41** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L2-DN-C12.2-VS-231208-LA | 12/08/2023 | A/B | **10** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L2-INT-0 TO 0.5-231208-FB | 12/08/2023 | A/B | **18** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13E-MED-L2-INT-0 TO 0.5-231208-FB | 12/08/2023 | A/B | **26** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-SS | 12/08/2023 | A/B | **140** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-LAT-L1-HS-3-231208-A | 12/08/2023 | A/B | **64** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-LAT-L1-HS-3-231208-DUP-A [b] | 12/08/2023 | A/B | **48** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L1-HS-3-231208-A | 12/08/2023 | A/B | **55** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L1-HS-3-231208-DUP-A [b] | 12/08/2023 | A/B | **37** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L1-UP-C12.6-DG-231208-SS | 12/08/2023 | A/B | **41** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13E-LAT-L1-HS-3-231208-A | 12/08/2023 | A/B | **26** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L1-HS-3-231208-G | 12/08/2023 | A/B | **89** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-SS | 12/08/2023 | A/B | **200** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-LA | 12/08/2023 | A/B | **140** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-WF | 12/08/2023 | A/B | **24** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L1-INT-0 TO 0.5-231208-FB | 12/08/2023 | A/B | **110** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13E-MED-L1-EXT-1 TO 2-231208-WF | 12/08/2023 | A/B | **37** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13E-LAT-L1-INT-1 TO 2-231208-FB | 12/08/2023 | A/B | **120** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-SS | 12/08/2023 | A/B | **56** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L1-DN-C12E-DG-231208-SS | 12/08/2023 | A/B | **27** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-SS | 12/08/2023 | A/B | **110** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-LA | 02/14/2024 | C/D | **300** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-DUP-LA | 02/14/2024 | C/D | -- | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-LA | 02/14/2024 | C/D | **190** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |

# Validated Confirmation Wipe Sampling Results - High Occupancy Area of Zone 6

Hangar 1 NTCRA
Former Naval Air Station Moffett Field, California

| Location ID [a] | Sample Date | Enclosure | Lead Result | PCBs | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Aroclor-1262 | Aroclor-1268 |
| | | | µg/ft² | Concentration - µg/100 cm² | | | | | | | | |
| **Cleanup Goal (High Occupancy Area)** | | | **<250** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** |
| AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-LA | 02/14/2024 | C/D | **100** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-WF | 02/14/2024 | C/D | **220** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-LA | 02/14/2024 | C/D | **96** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-LA | 02/14/2024 | C/D | **210** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-DUP-LA [b] | 02/14/2024 | C/D | **210** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-WF [b] | 02/14/2024 | C/D | **77** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-DUP-WF | 02/14/2024 | C/D | **81** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-LA | 02/14/2024 | C/D | **460** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-LA | 02/14/2024 | C/D | **220** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-LA | 02/14/2024 | C/D | **140** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-LA | 02/14/2024 | C/D | **140** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-LA | 02/14/2024 | C/D | **100** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-WF | 02/14/2024 | C/D | **65** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-DUP-WF [b] | 02/14/2024 | C/D | **53** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-I | 02/14/2024 | C/D | **11** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-FB | 02/14/2024 | C/D | **21** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-I | 02/14/2024 | C/D | **21** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-FB | 02/14/2024 | C/D | **19** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-I | 02/14/2024 | C/D | **71** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-LA | 02/14/2024 | C/D | **120** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-FB | 02/14/2024 | C/D | **95** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-I | 02/14/2024 | C/D | **28** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-FB | 02/14/2024 | C/D | **28** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-SS | 02/14/2024 | C/D | **180** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L1-HS-3-240214-A | 02/14/2024 | C/D | **40** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L1-HS-3-240214-DUP-A [b] | 02/14/2024 | C/D | **36** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L1-HS-3-240214-A | 02/14/2024 | C/D | **31** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-SS | 02/14/2024 | C/D | **45** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13W-LAT-L1-HS-3-240214-A | 02/14/2024 | C/D | **38** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L2-HS-1-240215-G | 02/15/2024 | C/D | **9.6** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13W-MED-L2-HS-1-240215-G | 02/15/2024 | C/D | **53** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-WF | 02/15/2024 | C/D | **45** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-WF | 02/15/2024 | C/D | **25** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-FB | 02/15/2024 | C/D | **190** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-LA | 02/15/2024 | C/D | **32** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-FB | 02/15/2024 | C/D | **87** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-SS | 02/15/2024 | C/D | **92** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L1-DN-C12W-DG-240215-SS | 02/15/2024 | C/D | **45** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-SS | 02/15/2024 | C/D | **94** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-I | 02/15/2024 | C/D | **16** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 95-Percent UCL (High Occupancy) [c] | | | **109** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 231208-FIELDBLANK1-HO | 12/08/2023 | A/B | **0.72** | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 231208-MEDBLANK1-HO | 12/08/2023 | A/B | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 231208-FIELDBLANK2-HO | 12/08/2023 | A/B | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 231208-MEDBLANK2-HO | 12/08/2023 | A/B | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# Validated Confirmation Wipe Sampling Results - High Occupancy Area of Zone 6

Hangar 1 NTCRA
Former Naval Air Station Moffett Field, California

| | | | Lead | PCBs | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Result | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Aroclor-1262 | Aroclor-1268 |
| **Location ID [a]** | **Sample Date** | **Enclosure** | **µg/ft²** | **Concentration - µg/100 cm²** | | | | | | | | |
| **Cleanup Goal (High Occupancy Area)** | | | **<250** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** | **≤10** |
| 240214-FIELDBLANK1-HO | 02/14/2024 | C/D | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 240214-MEDBLANK1-HO | 02/14/2024 | C/D | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 240214-FIELDBLANK2-HO | 02/14/2024 | C/D | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 240214-MEDBLANK2-HO | 02/14/2024 | C/D | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Acronyms and Abbreviations**

NTCRA: Non-Time Critical Removal Action
PCBs: Polychlorinated biphenyls
µg/100 $cm^2$: micrograms per 100 square centimeters
µg/$ft^2$: micrograms per square foot
UCL: Upper Confidence Limit
U.S. EPA: United States Environmental Protection Agency
--: Not collected/not applicable

Notes:
The 95-percent UCL was calculated using Version 5.2 of ProUCL program published by the U.S. EPA. The highest of the recommended UCL is presented in this table. The 95-percent UCL input and output file is present in Attachment 4.
[a] Location ID corresponds to Field ID in the Laboratory Analytical Reports
[b] The lower result of each duplicate sample pair collected was not included in the calculation of the 95-percent UCL. If the concentration in the duplicate samples were the same, only one result was included in the ProUCL input file.
[c] The 95-percent UCL for PCBs is the maximum of the analytical reporting limits for each Aroclor as the 95-percent UCL could not be calculated because PCBs were not detected in any of the samples.
**Bolded** values indicate constituents detected above laboratory reporting limits.
Shaded values indicate constituents reported at concentrations above the Cleanup Goal.

# Attachment 3

Confirmation Sampling Analytical Reports

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

enthalpy.com

Lab Job Number : 497480
Report Level : IV
Report Date : 03/22/2024

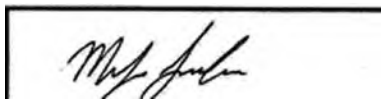
**PCBs**

**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:*



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

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

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

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 497480 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 12/08/23 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-LA | 497480-001 | 12/08/23 07:25 | Wipe |
| AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-DUP-LA | 497480-002 | 12/08/23 07:25 | Wipe |
| AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-P-LA | 497480-004 | 12/08/23 07:36 | Wipe |
| AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-P-LA | 497480-006 | 12/08/23 07:45 | Wipe |
| AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-P-WF | 497480-008 | 12/08/23 07:50 | Wipe |
| AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-P-LA | 497480-010 | 12/08/23 08:10 | Wipe |
| AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-P-LA | 497480-013 | 12/08/23 08:00 | Wipe |
| AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-P-WF | 497480-015 | 12/08/23 08:25 | Wipe |
| AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-P-LA | 497480-018 | 12/08/23 08:40 | Wipe |
| AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-P-LA | 497480-020 | 12/08/23 08:32 | Wipe |
| AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-P-LA | 497480-022 | 12/08/23 08:50 | Wipe |
| 231208-P-FIELDBLANK1-HO | 497480-024 | 12/08/23 07:20 | Wipe |

# Case Narrative
## PCBS (EPA 8082)

| | |
|---|---|
| Rincon Consultants<br>449 15th Street<br>#303<br>Oakland, CA 94612<br>Austin Moore | Lab Job Number: 497480<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 12/08/23 |

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 12/11/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

**Chain of Custody**

497480

# ENTHALPY ANALYTICAL

## Chain of Custody Record

COC ID:

Page: 1 of 2

**Turn Around Time (rush by advanced notice only)**

| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD |
|---|---|---|---|---|---|---|---|---|---|
| 1 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-LA | 12/8/2023 | 0725 | WP | 1 | -- | X | | |
| 2 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-DUP-LA | 12/8/2023 | 0725 | WP | 1 | -- | X | | |
| 3 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-L-LA | 12/8/2023 | 0725 | WP | 1 | -- | | X | |
| 4 | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-P-LA | 12/8/2023 | 0736 | WP | 1 | -- | X | | |
| 5 | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-L-LA | 12/8/2023 | 0736 | WP | 1 | -- | | X | |
| 6 | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-P-LA | 12/8/2023 | 0745 | WP | 1 | -- | X | | |
| 7 | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-L-LA | 12/8/2023 | 0745 | WP | 1 | -- | | X | |
| 8 | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-P-WF | 12/8/2023 | 0750 | WP | 1 | -- | X | | |
| 9 | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-L-WF | 12/8/2023 | 0750 | WP | 1 | -- | | X | |
| 10 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-P-LA | 12/8/2023 | 0810 | WP | 1 | -- | X | | |
| 11 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-LA | 12/8/2023 | 0810 | WP | 1 | -- | | X | |
| 12 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-DUP-LA | 12/8/2023 | 0810 | WP | 1 | -- | | X | |
| 13 | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-P-LA | 12/8/2023 | 0800 | WP | 1 | -- | X | | |
| 14 | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-L-LA | 12/8/2023 | 0800 | WP | 1 | -- | | X | |
| 15 | AFRAME-C13E-LAT-L3-EXT-0 TO 1-231208-P-WF | 12/8/2023 | 0825 | WP | 1 | -- | X | | |

Analysis Request

Test Instructions / Comments

**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure A/B (High Occupancy)

MED

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 12/8/23 1340 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 12/8/23 13:40 |
| 2 Relinquished By: | Audrey Hudson | " | " | 12/8/23 15:54 |
| 2 Received By: | | | AO | 12/8/23 15:54 |
| 3 Relinquished By: | | | FedEx | 12/8/23 16:57 |
| 3 Received By: | | | | 121923 0920 |

497480

ENTHALPY ANALYTICAL

**Chain of Custody Record**

COC ID:

Page: 2 of 2

**Turn Around Time (rush by advanced notice only)**

| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | AFRAME-C13E-LAT-L3-EXT-0 TO 1-231208-L-WF | 12/8/2023 | 0825 | WP | 1 | -- | | X | | |
| 17 | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-DUP-WF | 12/8/2023 | 0825 | WP | 1 | -- | | X | | |
| 18 | AFRAME-C12E-MED-L3-UP-C12.6-HS-231208-P-LA | 12/8/2023 | 0840 | WP | 1 | -- | X | | | |
| 19 | AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-L-LA | 12/8/2023 | 0840 | WP | 1 | -- | | X | | |
| 20 | AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-P-LA | 12/8/2023 | 0837 | WP | 1 | -- | X | | | |
| 21 | ~~AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-L-LA~~ | ~~12/8/2023~~ | 0837 | WP | 1 | -- | | X | | |
| 22 | ~~AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-P-LA~~ | ~~12/8/2023~~ | 0850 | WP | 1 | -- | X | | | |
| 23 | AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-L-LA | 12/8/2023 | 0850 | WP | 1 | -- | | X | | |
| 24 | 231208-P-FIELDBLANK1-HO | 12/8/2023 | 0720 | WP | 1 | -- | X | | | |
| 25 | | | | | | | | | | |
| 26 | | | | | | | | | | |
| 27 | | | | | | | | | | |
| 28 | | | | | | | | | | |
| 29 | | | | | | | | | | |
| 30 | | | | | | | | | | |

**Analysis Request**

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure A/B (High Occupancy)

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 12/8/23 1340 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 12/8/23 13:40 |
| 2 Relinquished By: | Audrey Hudson | " | " | 12/8/23 15:57 |
| 2 Received By: | | | | 12/8/23 15:54 |
| 3 Relinquished By: | | | | 12/8/23 16:59 |
| 3 Received By: | | | EA | 12/9/23 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

ENTHALPY ANALYTICAL

**Section 1: General Info**

Date Received: 12/8/23 Login # 497480 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 12/8/23 By (print) M (sign) M

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

**Section 6: Explanations / Comments**

**Date Logged** 12/8/23 **By (print)** M **(sign)** _____

**Date Labeled** 12/8/23 **By (print)** M **(sign)** _____

Enthalpy Analytical - Berkeley Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

# SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants  Project: Hangar 1 NTCRA

Date Received: 12/9/23  Sampler's Name Present: ☑ Yes ☐ No

**Section 2**

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)  Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

**Section 3**

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

Cooler Temp (°C): #1: (-)7 #2: _____ #3: _____ #4: _____

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

**Section 5** Explanations/Comments

497480

**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: DEC 09 2023

SOUTHWEST AIRLINES

Printed on:
08 DEC 19:04

526 OAK 9662 5093

ONT

1-7/5.0

PC# 10 OF 11 | DG G | LOT WT 450 LB (204.1 KG)

OAK WN 3122 08 DEC 21:00

STN FLT DATE ETD LOT 01

PC ID: 0010
PC WT: 41LB

526 96625093 0010

S

**Results & QC Summary**

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 497480 **Project#:** 20-10491

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

**Field ID:** AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082

**Lab ID:** 497480-001 **Received:** 12/08/23 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 12/11/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-001 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 |

| 497480-001 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 65 | 19-121 |
| Decachlorobiphenyl (PCB) | 54 | 19-121 |

**Field ID:** AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-DUP-LA **Batch#:** 328150 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082

**Lab ID:** 497480-002 **Received:** 12/08/23 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 12/11/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-002 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 497480-002 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 54 | 19-121 |
| Decachlorobiphenyl (PCB) | 50 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 497480 **Project#:** 20-10491

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

**Field ID:** AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082

**Lab ID:** 497480-004 **Received:** 12/08/23 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 12/11/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-004 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 |

| 497480-004 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 67 | 19-121 |
| Decachlorobiphenyl (PCB) | 58 | 19-121 |

**Field ID:** AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082

**Lab ID:** 497480-006 **Received:** 12/08/23 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 12/11/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-006 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 |

| 497480-006 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 54 | 19-121 |
| Decachlorobiphenyl (PCB) | 50 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 497480 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-P-WF **Batch#:** 328150 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082
**Lab ID:** 497480-008 **Received:** 12/08/23 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 12/11/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-008 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 497480-008 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 56 | 19-121 |
| Decachlorobiphenyl (PCB) | 48 | 19-121 |

**Field ID:** AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082
**Lab ID:** 497480-010 **Received:** 12/08/23 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 12/11/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-010 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 497480-010 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 48 | 19-121 |
| Decachlorobiphenyl (PCB) | 39 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 497480 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082
**Lab ID:** 497480-013 **Received:** 12/08/23 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 12/11/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-013 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 |

| 497480-013 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 65 | 19-121 |
| Decachlorobiphenyl (PCB) | 53 | 19-121 |

**Field ID:** AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-P-WF **Batch#:** 328150 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082
**Lab ID:** 497480-015 **Received:** 12/08/23 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 12/11/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-015 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 |

| 497480-015 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 58 | 19-121 |
| Decachlorobiphenyl (PCB) | 50 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 497480 **Project#:** 20-10491

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

**Field ID:** AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082

**Lab ID:** 497480-018 **Received:** 12/08/23 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 12/11/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-018 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 497480-018 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 52 | 19-121 |
| Decachlorobiphenyl (PCB) | 45 | 19-121 |

**Field ID:** AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082

**Lab ID:** 497480-020 **Received:** 12/08/23 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 12/11/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-020 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 497480-020 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 60 | 19-121 |
| Decachlorobiphenyl (PCB) | 50 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 497480 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-P-LA **Batch#:** 328150 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082
**Lab ID:** 497480-022 **Received:** 12/08/23 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 12/11/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-022 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 497480-022 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 67 | 19-121 |
| Decachlorobiphenyl (PCB) | 66 | 19-121 |

**Field ID:** 231208-P-FIELDBLANK1-HO **Batch#:** 328150 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 8082
**Lab ID:** 497480-024 **Received:** 12/08/23 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 12/11/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-024 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 497480-024 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 65 | 19-121 |
| Decachlorobiphenyl (PCB) | 66 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 497480 **Project#:** 20-10491

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

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | BLANK | **Batch#:** | 328150 | **Analysis:** | EPA 8082 |
| **Lab ID:** | QC1112575 | **Prepared:** | 12/11/23 | **Analyst:** | TRN |
| **Matrix:** | Wipe | **Analyzed:** | 12/11/23 | | |
| **Diln Fac:** | 1.000 | **Prep:** | EPA 3546 | | |

| QC1112575 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| QC1112575 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 52 | 19-121 |
| Decachlorobiphenyl (PCB) | 54 | 19-121 |

Legend

**ND:** Not Detected

**RL:** Reporting Limit

# Enthalpy Analytical - Orange Analytical Report: Batch QC

**Lab #:** 497480 **Project#:** 20-10491

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

**Type:** BS **Batch#:** 328150 **Analysis:** EPA 8082

**Lab ID:** QC1112576 **Prepared:** 12/11/23 **Analyst:** TRN

**Matrix:** Wipe **Analyzed:** 12/11/23

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

| QC1112576 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Aroclor-1016 | 5.000 | 3.734 | 75 | 60-140 | ug/100 cm2 |
| Aroclor-1260 | 5.000 | 3.571 | 71 | 60-140 | ug/100 cm2 |

| QC1112576 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 66 | 19-121 |
| Decachlorobiphenyl (PCB) | 59 | 19-121 |

**Type:** BSD **Batch#:** 328150 **Analysis:** EPA 8082

**Lab ID:** QC1112577 **Prepared:** 12/11/23 **Analyst:** TRN

**Matrix:** Wipe **Analyzed:** 12/11/23

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

| QC1112577 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.000 | 4.012 | 80 | 60-140 | ug/100 cm2 | 7 | 20 |
| Aroclor-1260 | 5.000 | 3.990 | 80 | 60-140 | ug/100 cm2 | 11 | 20 |

| QC1112577 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 67 | 19-121 |
| Decachlorobiphenyl (PCB) | 65 | 19-121 |

Legend

**RPD:** Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 497480 PCBS Wipe: EPA 8082

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

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

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

ENTHALPY INITIAL CALIBRATION FOR 497480 PCBS Wipe: EPA 8082

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

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

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

ENTHALPY INITIAL CALIBRATION FOR 497480 PCBS Wipe: EPA 8082

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

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

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

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

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

**Analyst:** TRN 10/16/23 *

**Reviewer:** MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 497480 PCBS Wipe

EPA 8082

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

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

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

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**Analyst:** TRN 10/16/23 *

**Reviewer:** MTS 10/17/23

ENTHALPY CONTINUING CALIBRATION FOR 497480 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | | | IDF: | 1.0 |
| Seqnum: | 453497606004 | File: | gc06_121123004 | Time: | 11-DEC-2023 14:06 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |

Standards: S19183

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | | | 500.0 | 439.3 | ug/L | -12 | 15 | 0.0000 | |
| Aroclor-1260 | A | | | 500.0 | 467.9 | ug/L | -6 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | A | 1.2758 | 1.2387 | 40.00 | 38.84 | ug/L | -3 | 15 | 0.0000 | |
| TCMX (PCB) | A | 0.9951 | 0.8349 | 40.00 | 33.56 | ug/L | **-16** | 15 | 0.0000 | c- |
| Aroclor-1016 | B | | | 500.0 | 447.9 | ug/L | -10 | 15 | 0.0000 | |
| Aroclor-1260 | B | | | 500.0 | 457.3 | ug/L | -9 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | B | 1.1481 | 0.8764 | 40.00 | 30.54 | ug/L | **-24** | 15 | 0.0000 | c- |
| TCMX (PCB) | B | 0.9401 | 0.8210 | 40.00 | 34.93 | ug/L | -13 | 15 | 0.0000 | |

| ISTD (ICAL gc06_101623019) | Ch | ICAL Abund | Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 10693236 | 9061871 | -15.26 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3667875 | 3950583 | 7.71 |

12/11/23 : 500 PPB PCB CCV

TRN 12/11/23 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

TRN 12/11/23 [Aroclor-1260 B]: Corrected baseline noise or negative peak for Ch. B.

*-=low bias c=CCV*

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**Analyst:** TRN 12/11/23 **Reviewer:** MTS 12/15/23

Enthalpy Internal Standard Summary for Sequence 453497606

| | | | |
|---|---|---|---|
| Date: | 12/11/23 | Reference: | gc06_101623019 |
| Sequence: | SVOA-GC06 gc06_121123 | Analyzed: | 10/16/23 14:42 |

| # | Type | Sample ID | 1BR2NITROBZPCB B | 1BR2NITROBZPCB A |
|---|---|---|---|---|
| | | ICAL STD | 10693236 | 3667875 |
| | | LOWER LIMIT | 5346618 | 1833938 |
| | | UPPER LIMIT | 21386471 | 7335751 |
| | | | | |
| 004 | CCV | | 9061871 | 3950583 |

Enthalpy Internal Standard Summary for Sequence 453497606

| | | | |
|---|---|---|---|
| Date: | 12/11/23 | Reference: | gc06_121123004 |
| Sequence: | SVOA-GC06 gc06_121123 | Analyzed: | 12/11/23 14:06 |

| # | Type | Sample ID | 1BR2NITROBZPCB B | 1BR2NITROBZPCB A |
|---|---|---|---|---|
| | | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD | 9061871 | 3950583 |
| | | LOWER LIMIT | 4530935 | 1975292 |
| | | UPPER LIMIT | 18123741 | 7901167 |
| 014 | BLANK | QC1112575 | 10279384 | 4797019 |
| 015 | BS | QC1112576 | 11462254 | 4991329 |
| 016 | BSD | QC1112577 | 8408009 | 3987212 |
| 017 | SAMPLE | 497480-001 | 11047464 | 4420545 |
| 018 | SAMPLE | 497480-002 | 9441493 | 3855445 |
| 019 | SAMPLE | 497480-004 | 10245264 | 4124523 |
| 020 | SAMPLE | 497480-006 | 10016089 | 4067186 |
| 021 | SAMPLE | 497480-008 | 9033495 | 3533291 |
| 022 | SAMPLE | 497480-010 | 10728383 | 4415566 |
| 023 | SAMPLE | 497480-013 | 10143197 | 4201938 |
| 024 | SAMPLE | 497480-015 | 10963722 | 4313204 |
| 025 | SAMPLE | 497480-018 | 10967961 | 4345397 |
| 026 | SAMPLE | 497480-020 | 10351791 | 4380215 |
| 027 | SAMPLE | 497480-022 | 10509254 | 4231072 |
| 028 | SAMPLE | 497480-024 | 8831203 | 3685657 |

Enthalpy Internal Standard Summary for Sequence 453497606

Date: 12/11/23 Reference: gc06_121123004
Sequence: SVOA-GC06 gc06_121123 Analyzed: 12/11/23 14:06

| # | Type | Sample ID | 1BR2NITROBZPCB B RT | 1BR2NITROBZPCB A RT |
|---|---|---|---|---|
| | | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD | 4.07 | 3.87 |
| | | LOWER LIMIT | 3.87 | 3.67 |
| | | UPPER LIMIT | 4.27 | 4.07 |
| 014 | BLANK | QC1112575 | 4.07 | 3.88 |
| 015 | BS | QC1112576 | 4.07 | 3.87 |
| 016 | BSD | QC1112577 | 4.07 | 3.87 |
| 017 | SAMPLE | 497480-001 | 4.07 | 3.87 |
| 018 | SAMPLE | 497480-002 | 4.07 | 3.87 |
| 019 | SAMPLE | 497480-004 | 4.07 | 3.87 |
| 020 | SAMPLE | 497480-006 | 4.07 | 3.87 |
| 021 | SAMPLE | 497480-008 | 4.07 | 3.87 |
| 022 | SAMPLE | 497480-010 | 4.07 | 3.87 |
| 023 | SAMPLE | 497480-013 | 4.07 | 3.87 |
| 024 | SAMPLE | 497480-015 | 4.07 | 3.87 |
| 025 | SAMPLE | 497480-018 | 4.07 | 3.87 |
| 026 | SAMPLE | 497480-020 | 4.07 | 3.87 |
| 027 | SAMPLE | 497480-022 | 4.07 | 3.87 |
| 028 | SAMPLE | 497480-024 | 4.07 | 3.87 |

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

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

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

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

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

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

*ac=average CCV drift out*

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

Enthalpy Sequence Summary for Sequence 453497606

Instrument: SVOA-GC06 Begun: 12/11/23 13:26
Method: EPA 8081A, EPA 8082

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 002 | gc06_121123002 | PEM | | | | 12/11/23 13:26 | 1.0 | 1 | |
| 003 | gc06_121123003 | CCV | | | | 12/11/23 13:46 | 1.0 | 2 | ac |
| 004 | gc06_121123004 | CCV | | | | 12/11/23 14:06 | 1.0 | 3 | |
| 005 | gc06_121123005 | CCV | | | | 12/11/23 14:26 | 1.0 | 2 | |
| 014 | gc06_121123014 | BLANK | QC1112575 | Wipe | 328150 | 12/11/23 17:10 | 1.0 | 4 | |
| 015 | gc06_121123015 | BS | QC1112576 | Wipe | 328150 | 12/11/23 17:29 | 1.0 | 4 | |
| 016 | gc06_121123016 | BSD | QC1112577 | Wipe | 328150 | 12/11/23 17:49 | 1.0 | 4 | |
| 017 | gc06_121123017 | SAMPLE | 497480-001 | Wipe | 328150 | 12/11/23 18:09 | 1.0 | 4 | |
| 018 | gc06_121123018 | SAMPLE | 497480-002 | Wipe | 328150 | 12/11/23 18:28 | 1.0 | 4 | |
| 019 | gc06_121123019 | SAMPLE | 497480-004 | Wipe | 328150 | 12/11/23 18:47 | 1.0 | 4 | |
| 020 | gc06_121123020 | SAMPLE | 497480-006 | Wipe | 328150 | 12/11/23 19:07 | 1.0 | 4 | |
| 021 | gc06_121123021 | SAMPLE | 497480-008 | Wipe | 328150 | 12/11/23 19:26 | 1.0 | 4 | |
| 022 | gc06_121123022 | SAMPLE | 497480-010 | Wipe | 328150 | 12/11/23 19:46 | 1.0 | 4 | |
| 023 | gc06_121123023 | SAMPLE | 497480-013 | Wipe | 328150 | 12/11/23 20:06 | 1.0 | 4 | |
| 024 | gc06_121123024 | SAMPLE | 497480-015 | Wipe | 328150 | 12/11/23 20:24 | 1.0 | 4 | |
| 025 | gc06_121123025 | SAMPLE | 497480-018 | Wipe | 328150 | 12/11/23 20:43 | 1.0 | 4 | |
| 026 | gc06_121123026 | SAMPLE | 497480-020 | Wipe | 328150 | 12/11/23 21:03 | 1.0 | 4 | |
| 027 | gc06_121123027 | SAMPLE | 497480-022 | Wipe | 328150 | 12/11/23 21:22 | 1.0 | 4 | |
| 028 | gc06_121123028 | SAMPLE | 497480-024 | Wipe | 328150 | 12/11/23 21:42 | 1.0 | 4 | |

TRN 12/12/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 28.

*ac=average CCV drift out*

*Standards Used:*
*1=S18897 2=S19020 3=S19183 4=S19190*

SAMPLE PREPARATION SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Batch #: | 328150 | Method: | 3546 | Analysis: | 8080 |
| Started By: | SNV | Prep Date: | 11-DEC-2023 11:47 | Finished By: | SNV |

| Sample | Matrix | Initial | Final | Prep DF | pH | Spike S19478 | Spike S19443 | Analysis |
|---|---|---|---|---|---|---|---|---|
| 497480-001 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-002 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-004 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-006 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-008 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-010 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-013 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-015 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-018 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-020 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-022 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 497480-024 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| QC1112575 BLANK | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | 8080 |
| QC1112576 BS | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | .5 mL | 8080 |
| QC1112577 BSD | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | .5 mL | 8080 |

**Analyst:** TRN 12/12/23

**Reviewer:** MTS 12/15/23

# 8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 12/11/23 11:47 Initials: SNV

Hotblock ID: NA Therm Loc: NA Therm ID/CF: NA / 608.3 QC Batch#:

Hotblock Temp (Obs/Corr), °C: NA / 8081 QC Batch #:

Balance ID: NA Microdipenser ID: Syringe 8082 QC Batch #: 328150

Extraction Start Time*: 12:38 Extraction end time*: 13:50

* For hot block, microwave, shaker table

| Sample ID | Cont. ID | Sample Initial Amount Circle one: mL g | pH is 5-9? | Extraction Equipment ID (Sox, Sonic., Shaker) | Turbo Vap ID | Extract, Final Volume (mL) | Date/Time (if diff from above) | Comment |
|---|---|---|---|---|---|---|---|---|
| Blank | | 1 dm² | | M:202-9 | TV-09 | 10.0 | | |
| LCS | | | | 10 | | | | |
| LCSD | | | | 12 | | | | |
| 497480-001 | A | | | 13 | | | | |
| -002 | | | | 14 | | | | |
| -004 | | | | 15 | ↓ | | | |
| -006 | | | | 17 | TV-08 | | | |
| -008 | | | | 18 | | | | |
| -010 | | | | 19 | | | | |
| -013 | | | | 20 | | | | |
| -015 | | | | 23 | | | | |
| -018 | | | | 24 | ↓ | | | |
| -020 | | | | 1 | TV-07 | | | |
| -022 | | | | 2 | | | | |
| -024 | ↓ | | | 3 | | | | |
| MDL1 16160 | | | | 4 | | | | S18891 500mL |
| MDL2 21154 | | | | 5 | | | | S19401 500mL |
| MDL3 32162 | | | | 6 | ↓ | | | S19402 500mL |
| MDL4 42168 | | | | 7 | TV-05 | | | S19403 500mL |
| MDL5 48 | | ↓ | | 8 | ↓ | ↓ | | S19404 500mL |

Methylene Chloride Lot:

Exchange Solvent (Hexane) ID: S19458

Acetone-Hexane Mix ID:

Sodium Sulfate Lot: ~~219~~ SV 10111 225392

Baked Sand Lot: NA

Surrogate ID: S19478 Volume: 560 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S19443 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

## REPORTING SUMMARY FOR 497480 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 497480-001 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 18:09 |
| 497480-001 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 18:09 |
| | | | | |
| 497480-002 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 18:28 |
| 497480-002 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 18:28 |
| | | | | |
| 497480-004 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 18:47 |

## REPORTING SUMMARY FOR 497480 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 497480-004 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 18:47 |
| 497480-004 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 18:47 |
| | | | | |
| 497480-006 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 19:07 |
| 497480-006 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 19:07 |
| | | | | |
| 497480-008 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 19:26 |
| 497480-008 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 19:26 |
| | | | | |
| 497480-010 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 19:46 |

## REPORTING SUMMARY FOR 497480 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 497480-010 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 19:46 |
| 497480-010 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 19:46 |
| | | | | |
| 497480-013 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 20:06 |
| 497480-013 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 20:06 |
| | | | | |
| 497480-015 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 20:24 |
| 497480-015 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 20:24 |
| | | | | |
| 497480-018 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 20:43 |

## REPORTING SUMMARY FOR 497480 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 497480-018 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 20:43 |
| 497480-018 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 20:43 |
| | | | | |
| 497480-020 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 21:03 |
| 497480-020 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 21:03 |
| | | | | |
| 497480-022 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 21:22 |
| 497480-022 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 21:22 |
| | | | | |

## REPORTING SUMMARY FOR 497480 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 497480-024 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 21:42 |
| 497480-024 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 21:42 |
| | | | | |
| QC1112575 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1221 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1232 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1242 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1248 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1254 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1262 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Aroclor-1268 | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 17:10 |
| QC1112575 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 17:10 |
| | | | | |
| QC1112576 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 17:29 |
| QC1112576 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 17:29 |
| QC1112576 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 17:29 |
| QC1112576 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 17:29 |
| | | | | |
| QC1112577 | Aroclor-1016 | SVOA-GC06 | B | 12/11/23 17:49 |
| QC1112577 | Aroclor-1260 | SVOA-GC06 | B | 12/11/23 17:49 |
| QC1112577 | TCMX (PCB) | SVOA-GC06 | B | 12/11/23 17:49 |
| QC1112577 | Decachlorobiphenyl (PCB) | SVOA-GC06 | B | 12/11/23 17:49 |

**Sample Raw Data**

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-001 | Client ID: | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-LA |
| Seqnum: | 453497606017 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123017 | Batch: | 328150 | Time: | 11-DEC-2023 18:09 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 57.78 | ~~0.58~~ ~~FP~~ | 0.89 | 42% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 159.4 | 1.59 | 2.44 | 42% | | | |
| Aroclor-1016 Peak # 2 | B | 68.53 | 0.69 | 0.71 | 3% | | | |
| Aroclor-1016 Peak # 3 | B | 54.84 | 0.55 | 0.65 | 17% | | | |
| Aroclor-1016 Peak # 4 | B | 4.115 | 0.04 | 0.60 | 174% | | | |
| Aroclor-1016 Peak # 5 | B | 1.973 | 0.02 | 0.03 | 49% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 21.86 | ND | 0.46 | 70% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 36.67 | 0.37 | 0.00 | 197% | | | |
| Aroclor-1260 Peak # 2 | B | 23.22 | 0.23 | 0.02 | 163% | | | |
| Aroclor-1260 Peak # 3 | B | 12.28 | 0.12 | 0.24 | 65% | | | |
| Aroclor-1260 Peak # 4 | B | 2.909 | 0.03 | 1.90 | 194% | | | |
| Aroclor-1260 Peak # 5 | B | 34.19 | 0.34 | 0.11 | 105% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 32.57 | 0.5000 | 0.3257 | 65 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 27.17 | 0.5000 | 0.2717 | 54 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 11047464 | 21.91 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4420545 | 11.90 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

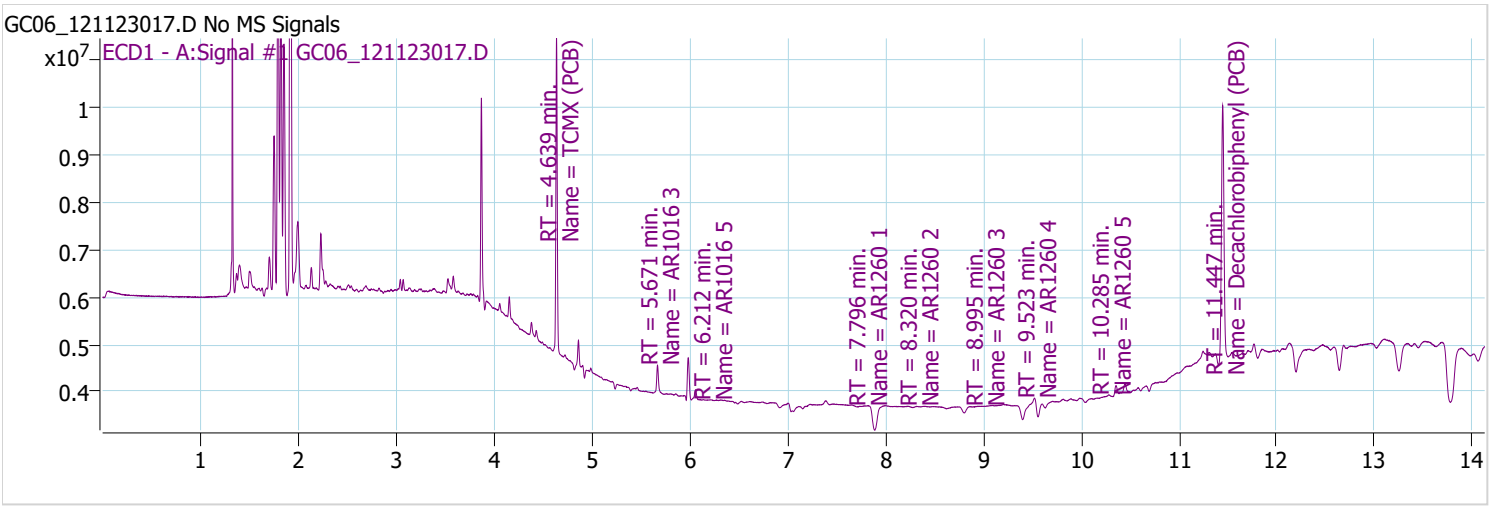
12/12/23 : WIPE/1DM^2-10ML

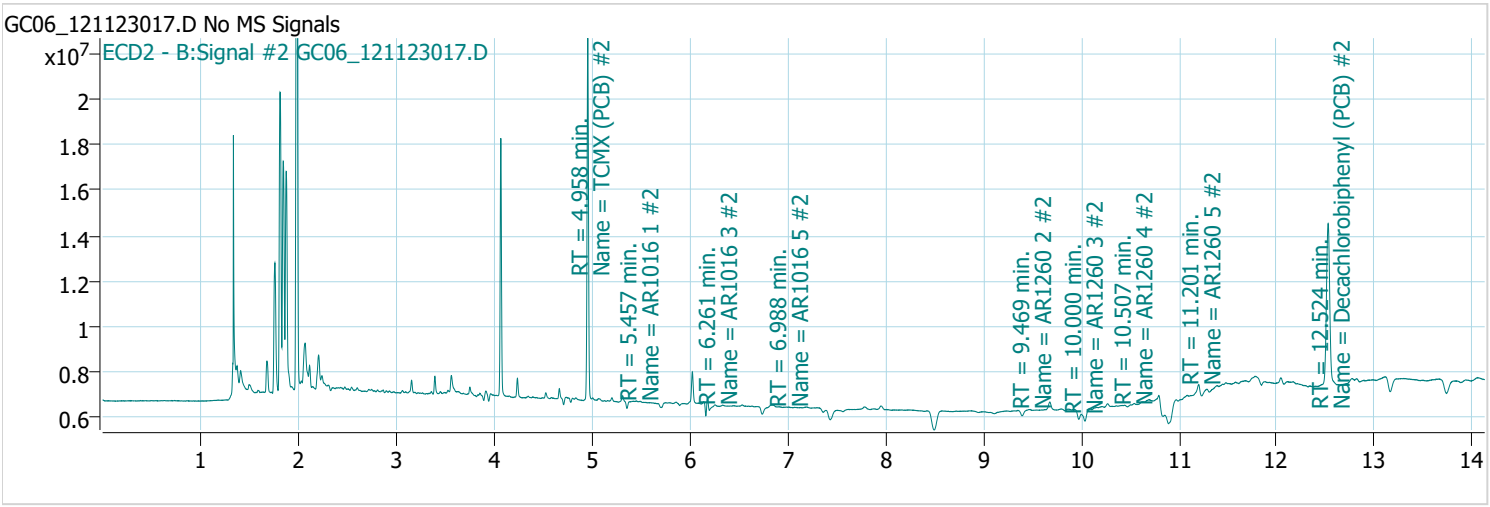
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123017.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 6:09:11 PM |
| Sample Name | 497480-001, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 4 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



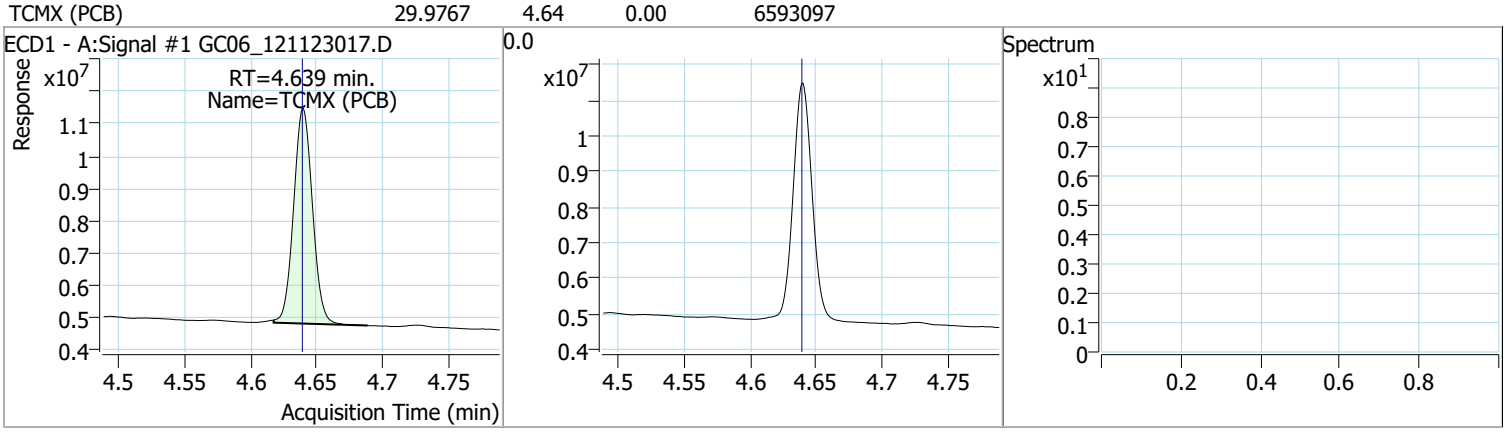




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.872 | 0.0 | 4420544.728 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 11047464.144 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 6593096.985 | 29.9767 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 149.88% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 16912999.843 | 32.5686 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 162.84% | | * | |
| S Decachlorobiphenyl (PCB) | 11.447 | 0.0 | 9934497.140 | 35.2298 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 176.15% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.524 | 0.0 | 17232689.389 | 27.1744 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 135.87% | | | |
| **Target Compounds** | | | | | | | QValue |

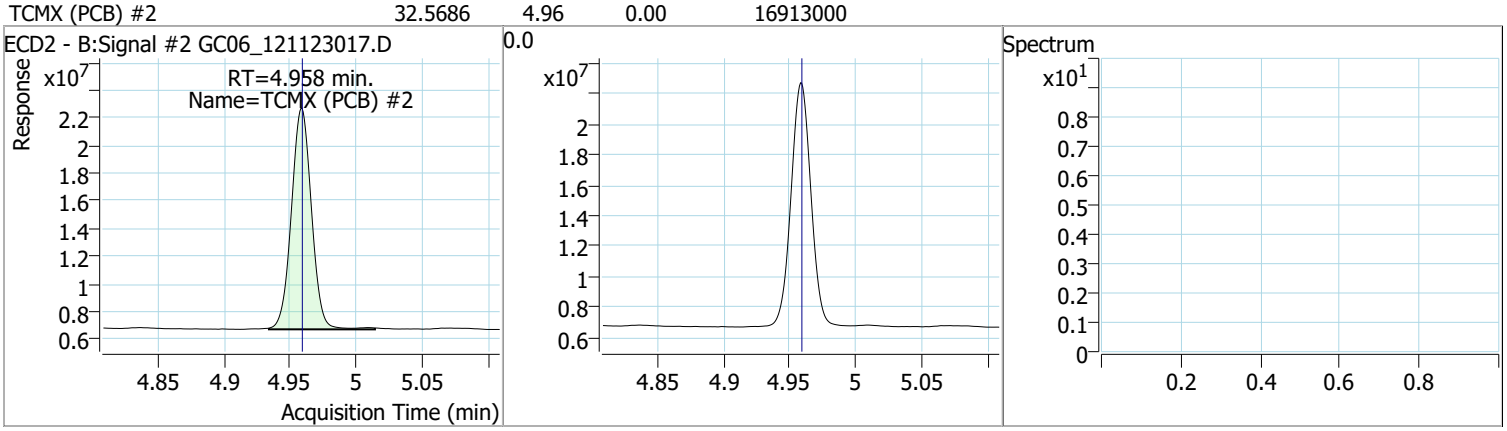
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.989 | 0.0 | 1173055.362 | 244.4955 | ng/ml | 100 |
| T AR1016 2 | 5.260 | 0.0 | 680362.636 | 70.6519 | ng/ml | 100 |
| T AR1016 1 #2 | 5.457 | 0.0 | 1628663.618 | 159.4309 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 760391.514 | 65.2475 | ng/ml | 100 |
| T AR1016 2 #2 | 5.862 | 0.0 | 1461081.748 | 68.5347 | ng/ml | 100 |
| T AR1016 4 | 5.858 | 0.0 | 463412.596 | 60.0834 | ng/ml | 100 |
| T AR1016 5 | 6.212 | 0.0 | 22658.143 | 3.2646 | ng/ml | 100 |
| T AR1016 3 #2 | 6.261 | 0.0 | 1555718.265 | 54.8399 | ng/ml | 100 |
| T AR1016 4 #2 | 6.447 | 0.0 | 78418.465 | 4.1149 | ng/ml | 100 |
| T AR1016 5 #2 | 6.988 | 0.0 | 31071.383 | 1.9735 | ng/ml | 100 |
| T AR1260 1 | 7.796 | 0.0 | 3620.733 | 0.2709 | ng/ml | 100 |
| T AR1260 2 | 8.320 | 0.0 | 49295.362 | 2.3670 | ng/ml | 100 |
| T AR1260 3 | 8.995 | 0.0 | 527470.537 | 24.1201 | ng/ml | 100 |
| T AR1260 1 #2 | 9.354 | 0.0 | 1072668.835 | 36.6746 | ng/ml | 100 |
| T AR1260 4 | 9.523 | 0.0 | 2186450.866 | 190.2021 | ng/ml | 100 |
| T AR1260 2 #2 | 9.469 | 0.0 | 819436.782 | 23.2214 | ng/ml | 100 |
| T AR1260 3 #2 | 10.000 | 0.0 | 552529.689 | 12.2830 | ng/ml | 100 |
| T AR1260 5 | 10.285 | 0.0 | 155209.667 | 10.5811 | ng/ml | 100 |
| T AR1260 4 #2 | 10.507 | 0.0 | 79555.932 | 2.9090 | ng/ml | 100 |
| T AR1260 5 #2 | 11.201 | 0.0 | 1385838.080 | 34.1914 | ng/ml | 100 |

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

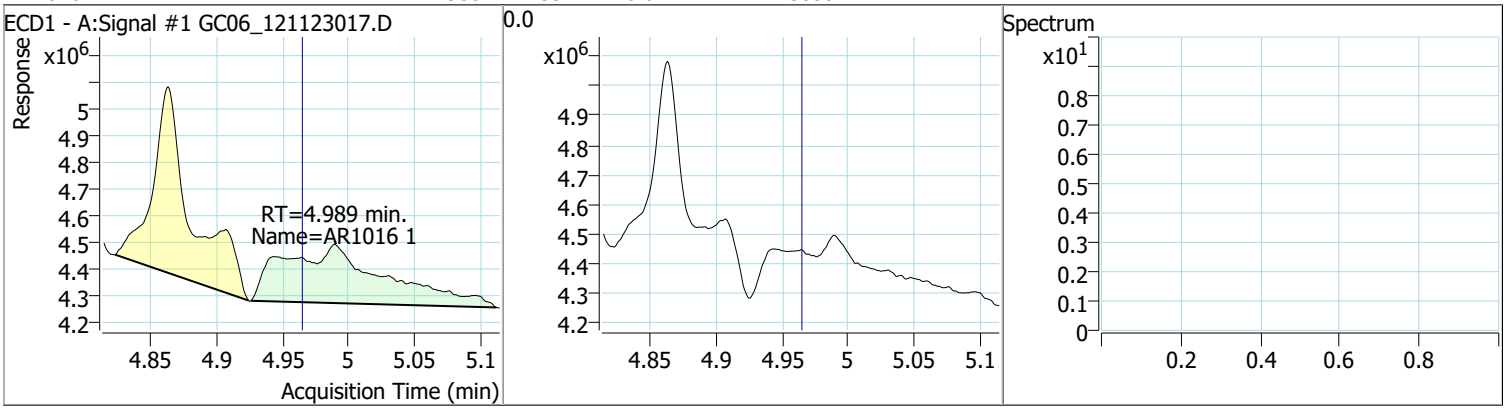
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 29.9767 | 4.64 | 0.00 | 6593097 | | | | |



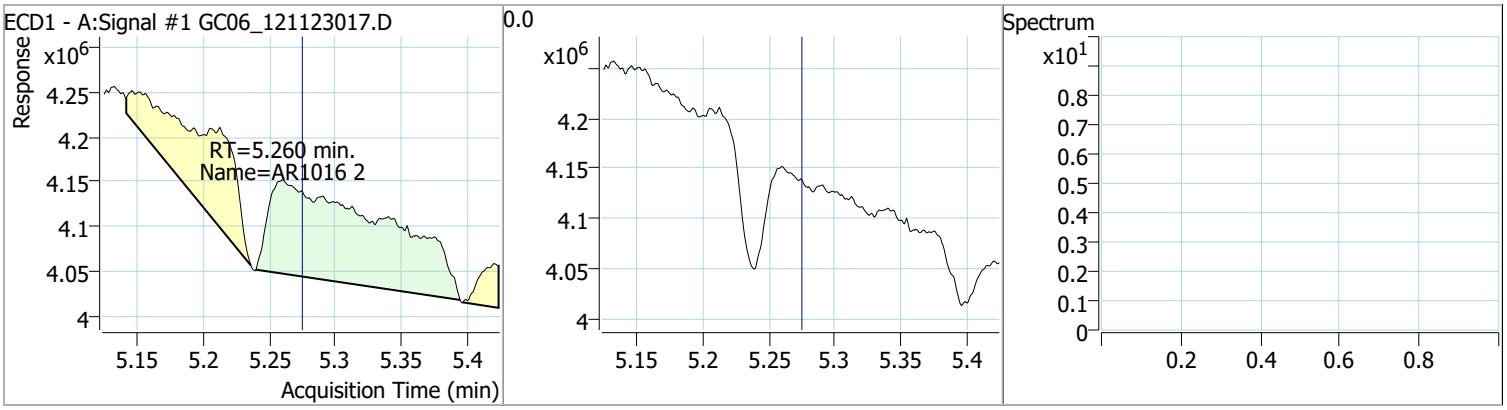

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 32.5686 | 4.96 | 0.00 | 16913000 | | | | |



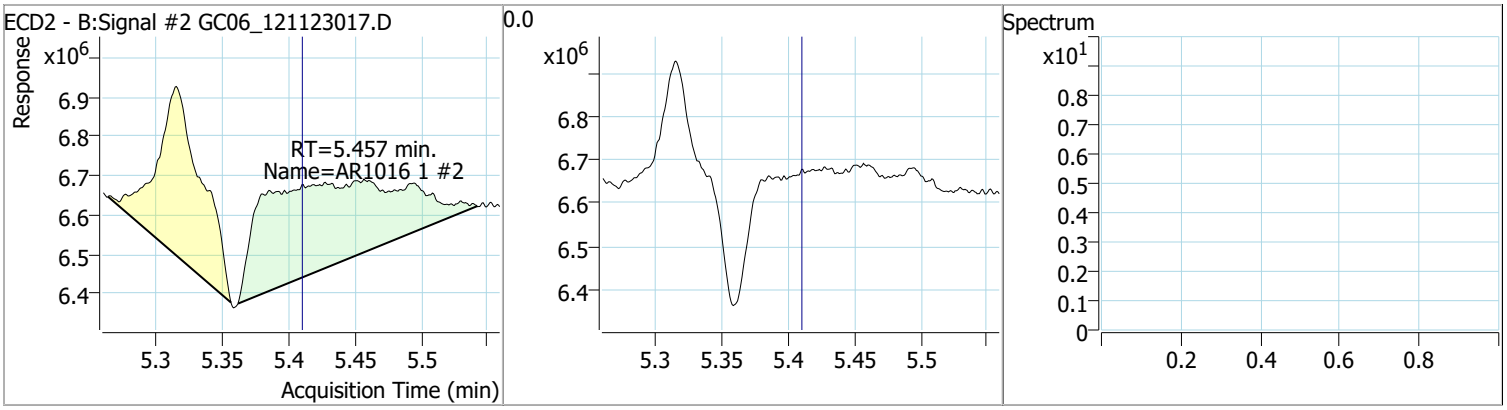

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 244.4955 | 4.99 | 0.02 | 1173055 | | | | |



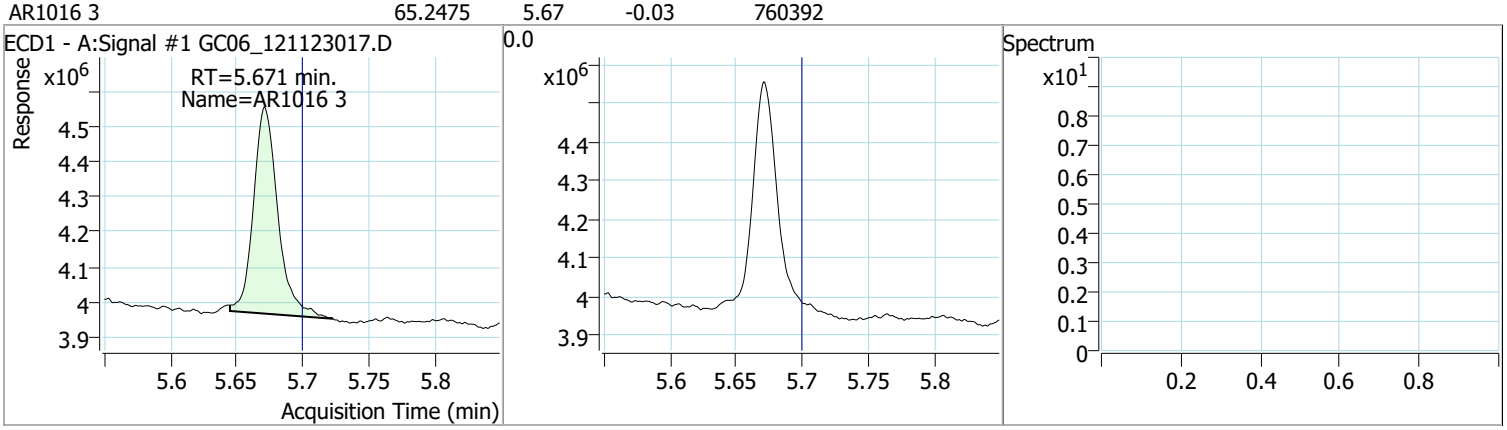

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 70.6519 | 5.26 | -0.01 | 680363 | | | | |



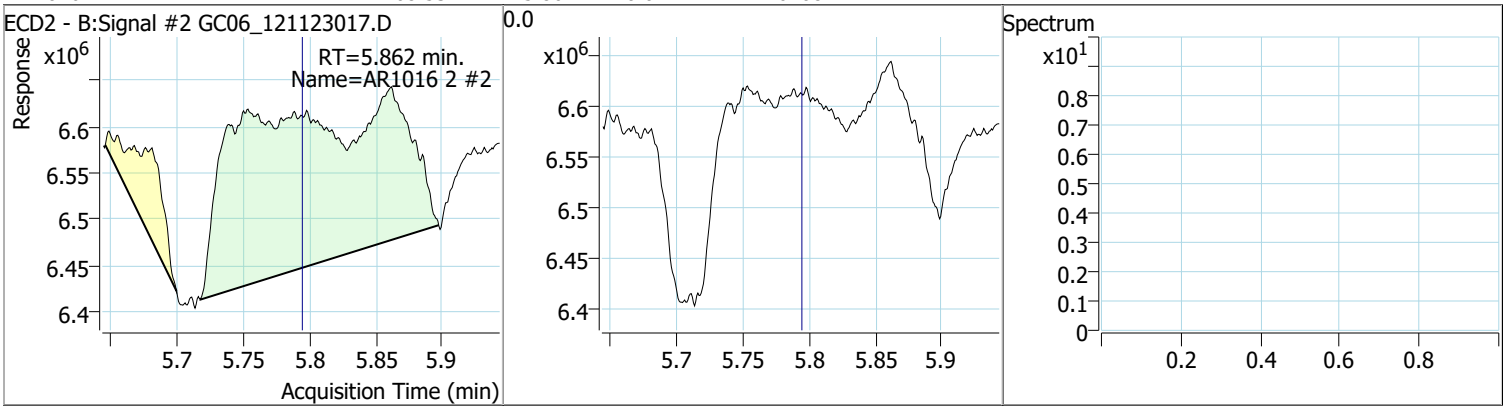
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 159.4309 | 5.46 | 0.05 | 1628664 | | | | |



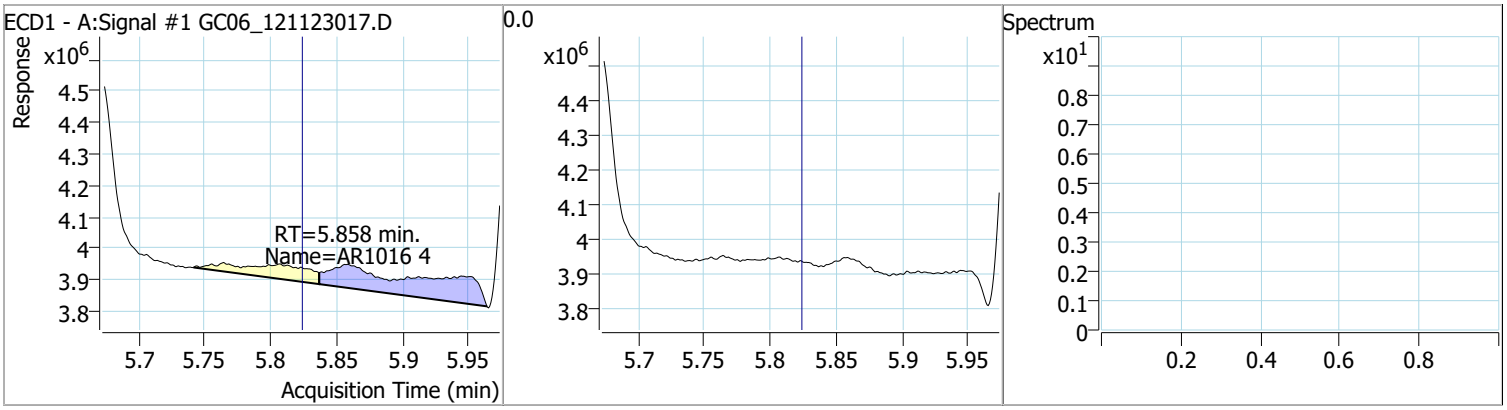

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 65.2475 | 5.67 | -0.03 | 760392 | | | | |



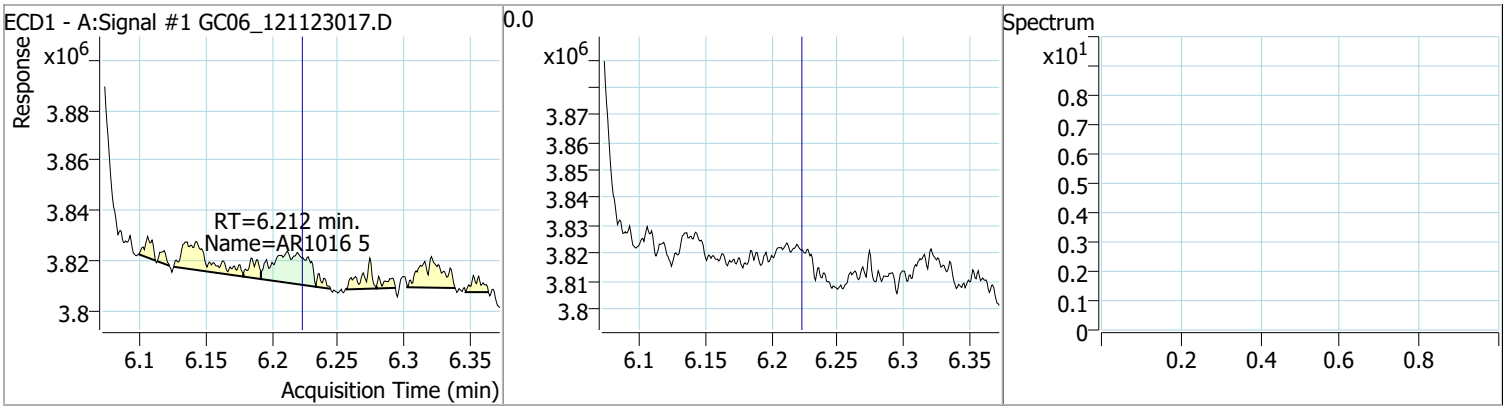

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 68.5347 | 5.86 | 0.07 | 1461082 | | | | |



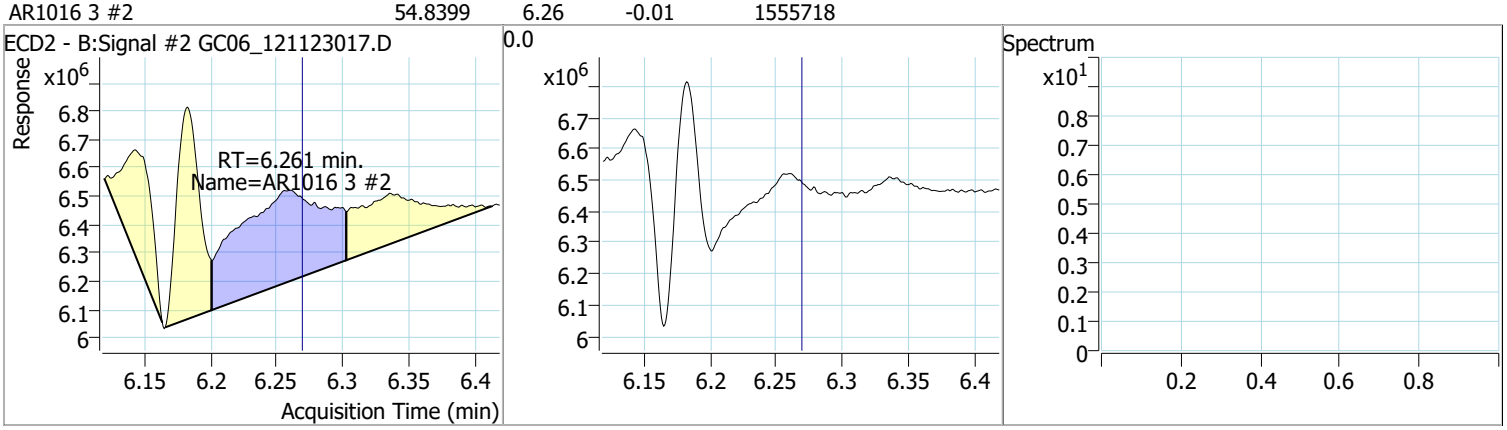

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 60.0834 | 5.86 | 0.03 | 463413 | | | | |



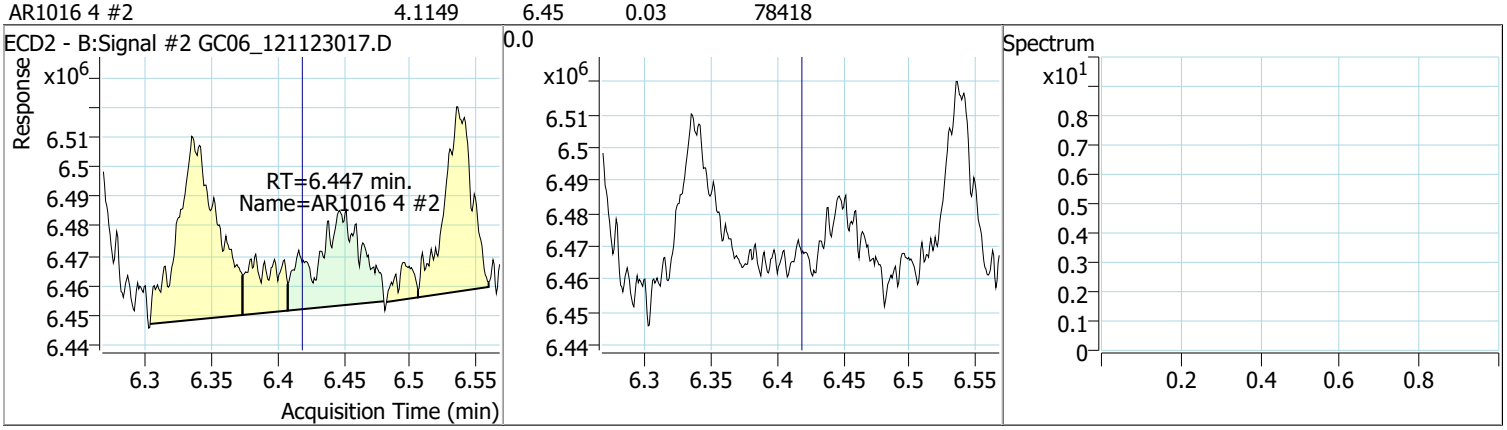
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 3.2646 | 6.21 | -0.01 | 22658 | | | | |



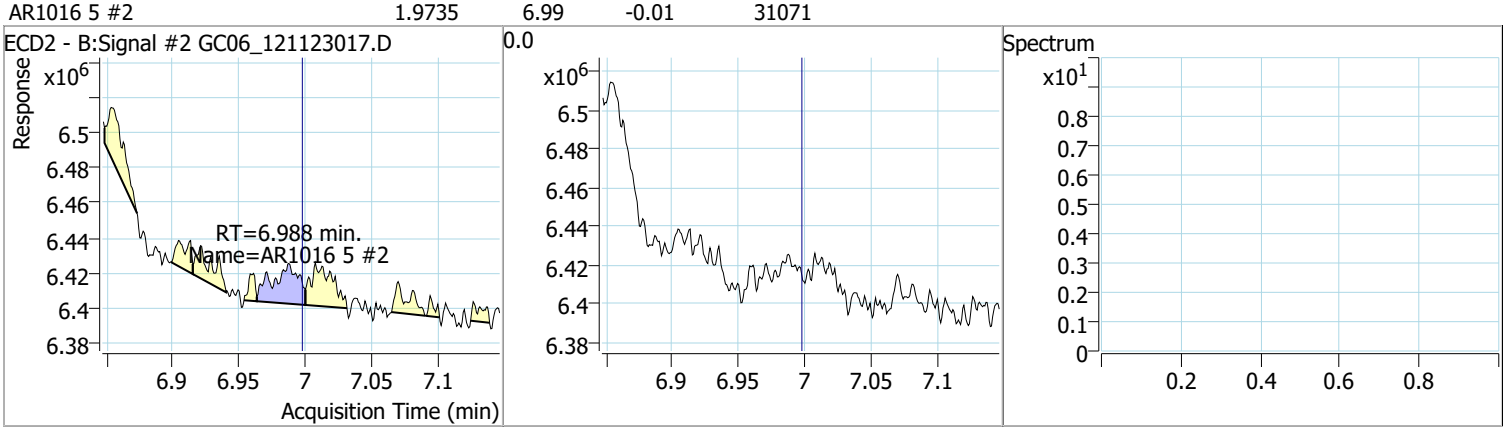

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 54.8399 | 6.26 | -0.01 | 1555718 | | | | |



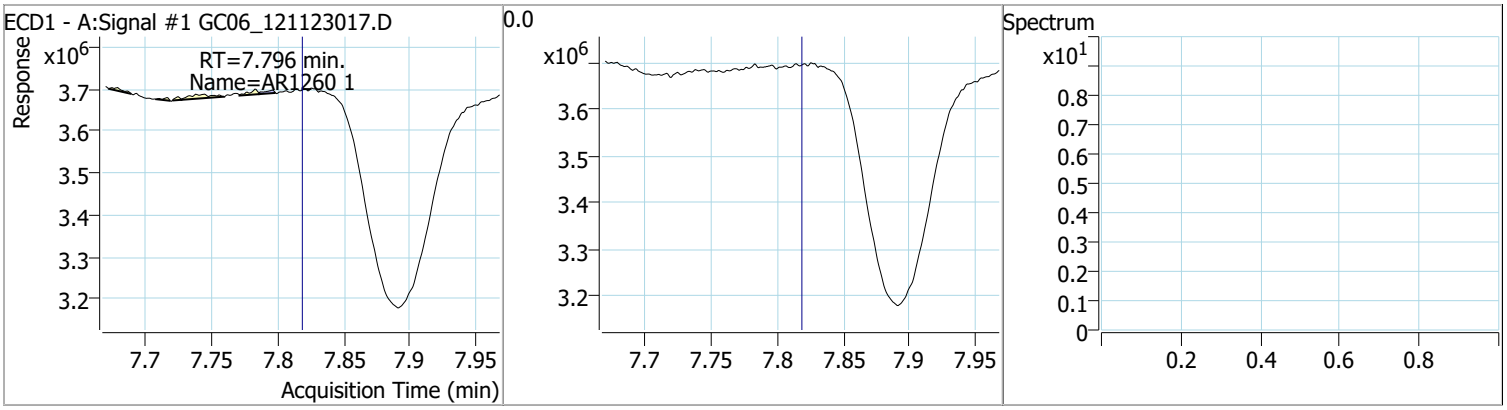

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 4.1149 | 6.45 | 0.03 | 78418 | | | | |



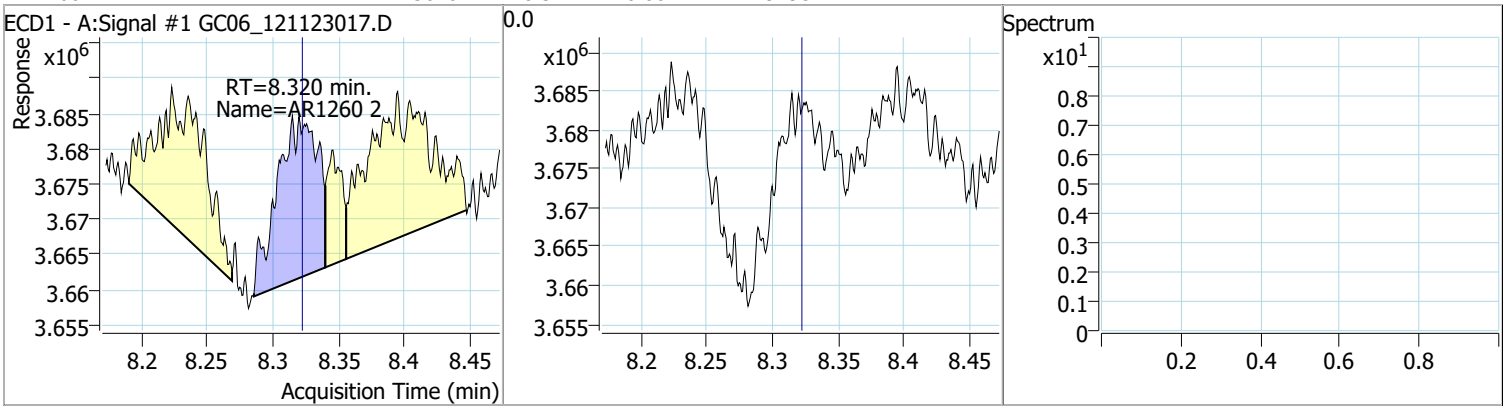

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.9735 | 6.99 | -0.01 | 31071 | | | | |



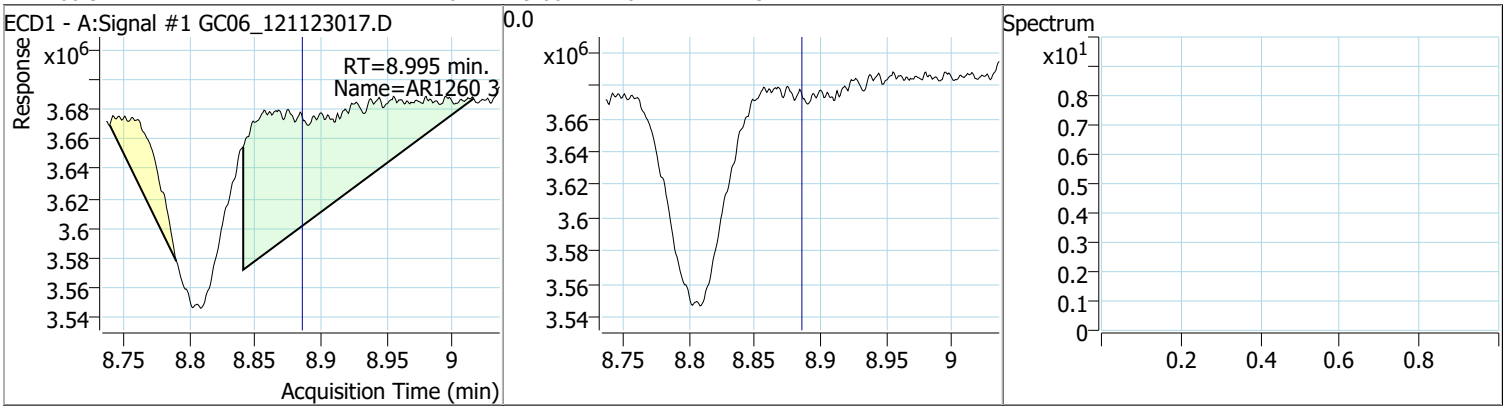
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 0.2709 | 7.80 | -0.02 | 3621 | | | | |



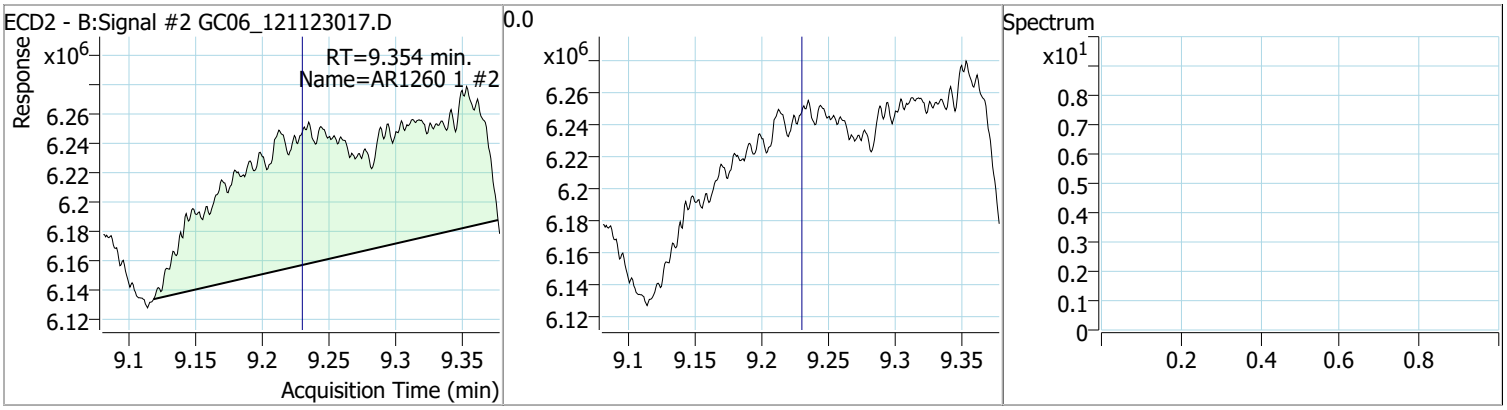

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.3670 | 8.32 | 0.00 | 49295 | | | | |



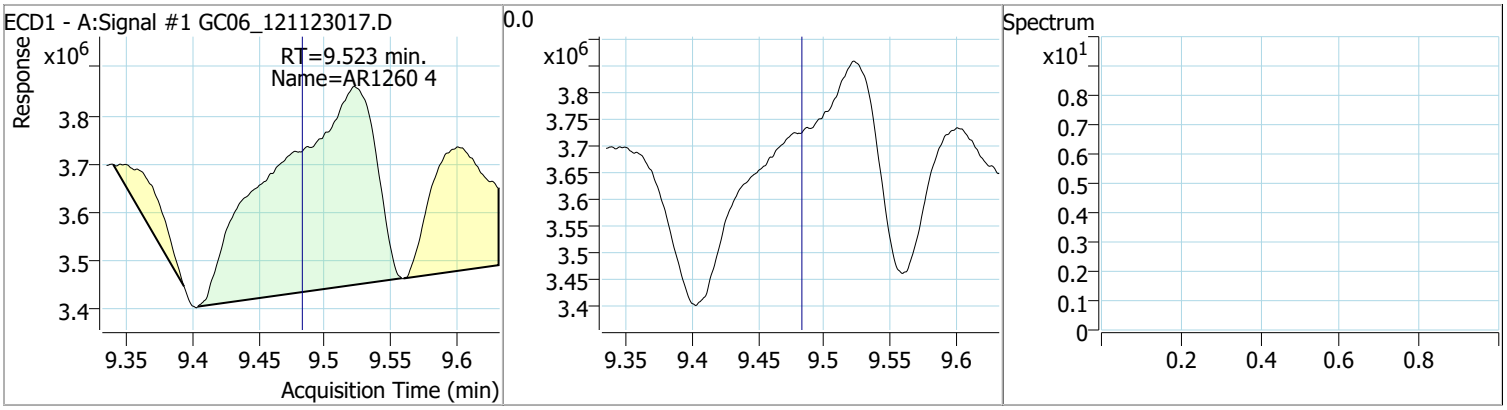

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 24.1201 | 9.00 | 0.11 | 527471 | | | | |



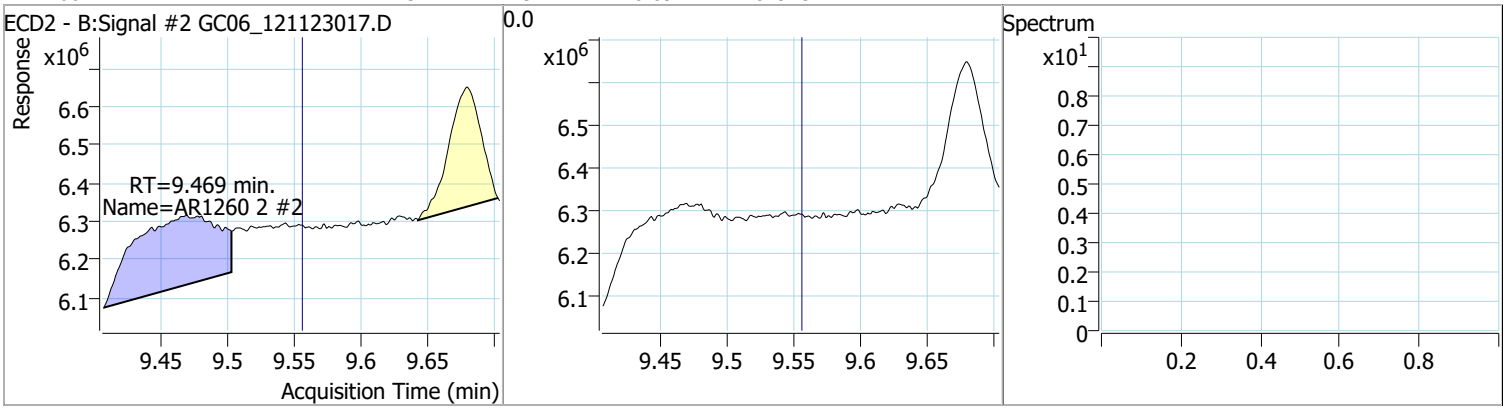

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 36.6746 | 9.35 | 0.13 | 1072669 | | | | |



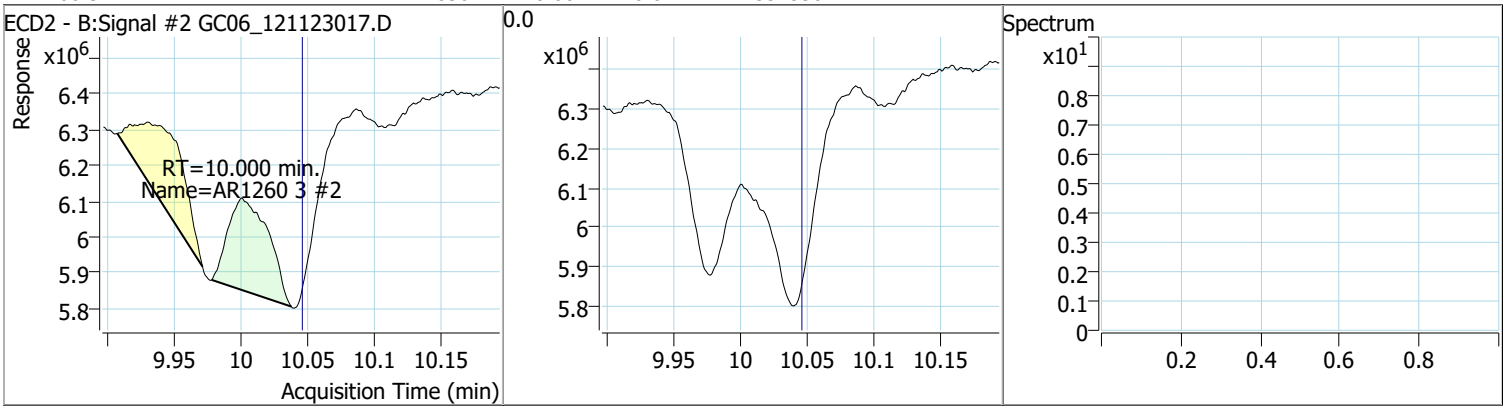
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 190.2021 | 9.52 | 0.04 | 2186451 | | | | |



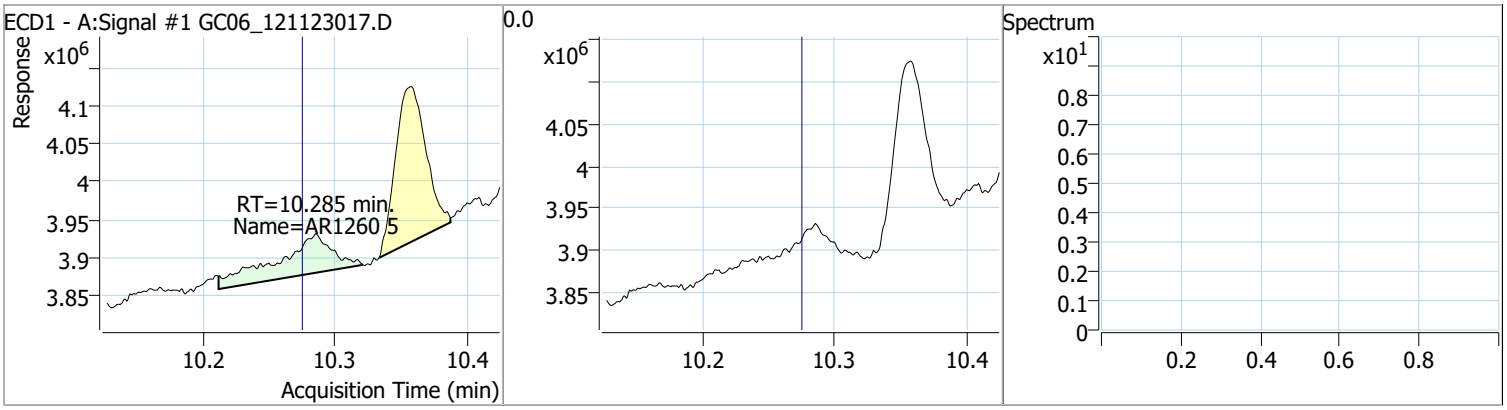

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 23.2214 | 9.47 | -0.09 | 819437 | | | | |



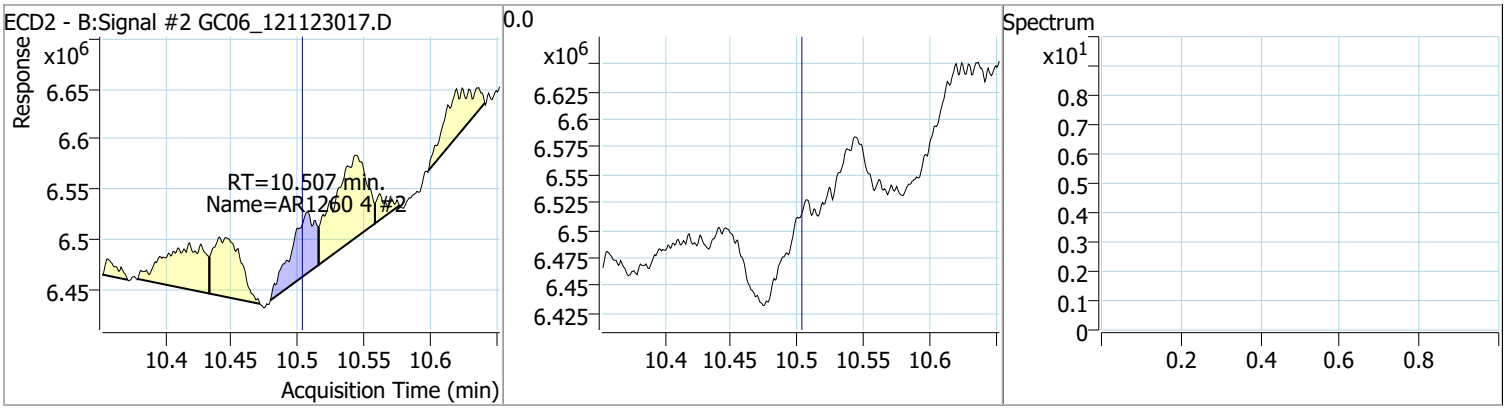

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 12.2830 | 10.00 | -0.04 | 552530 | | | | |



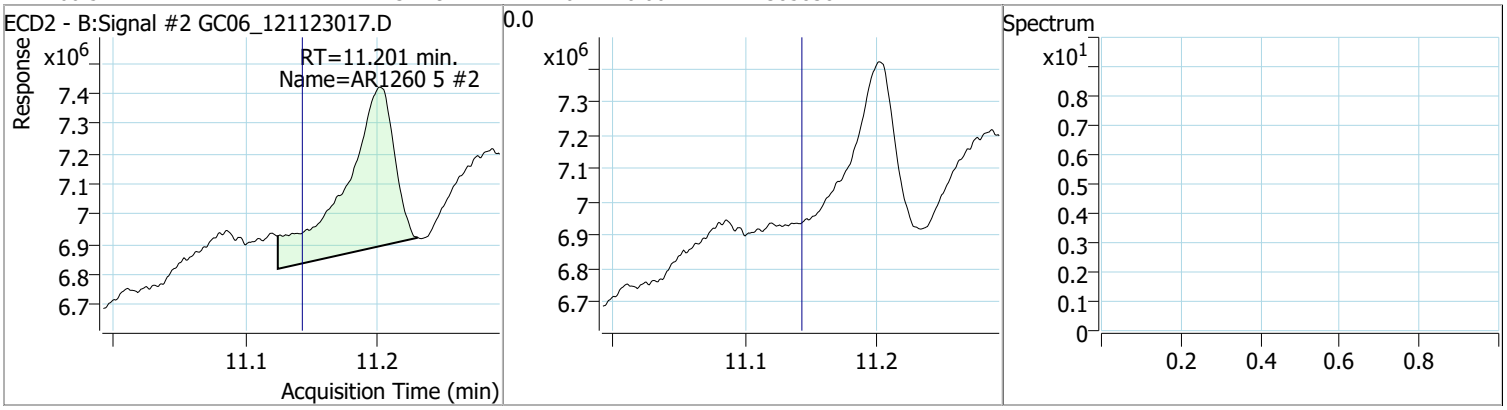

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 10.5811 | 10.29 | 0.01 | 155210 | | | | |



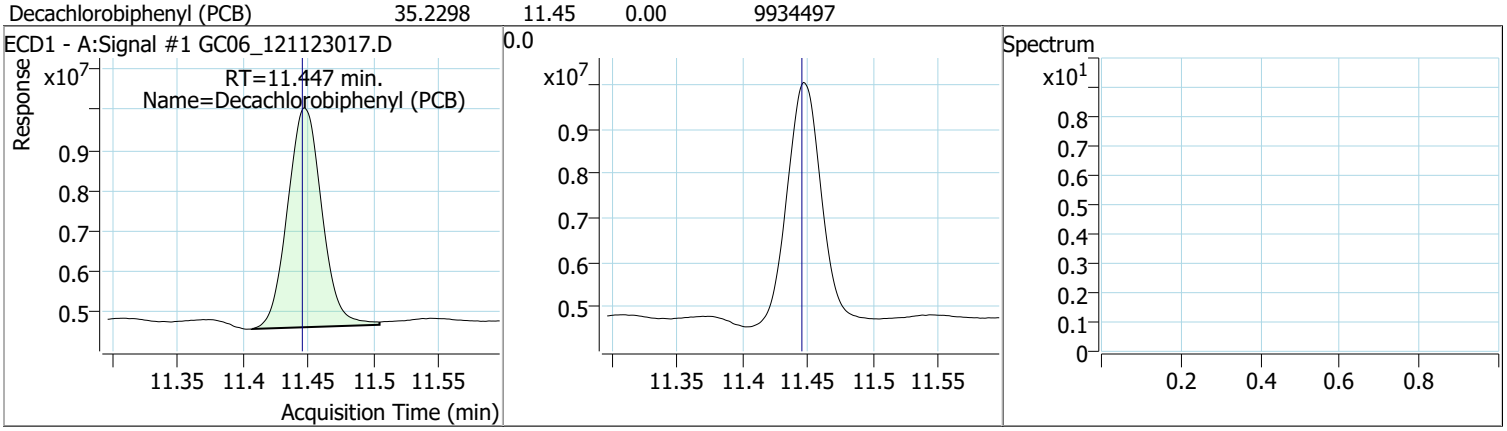
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 2.9090 | 10.51 | 0.00 | 79556 | | | | |



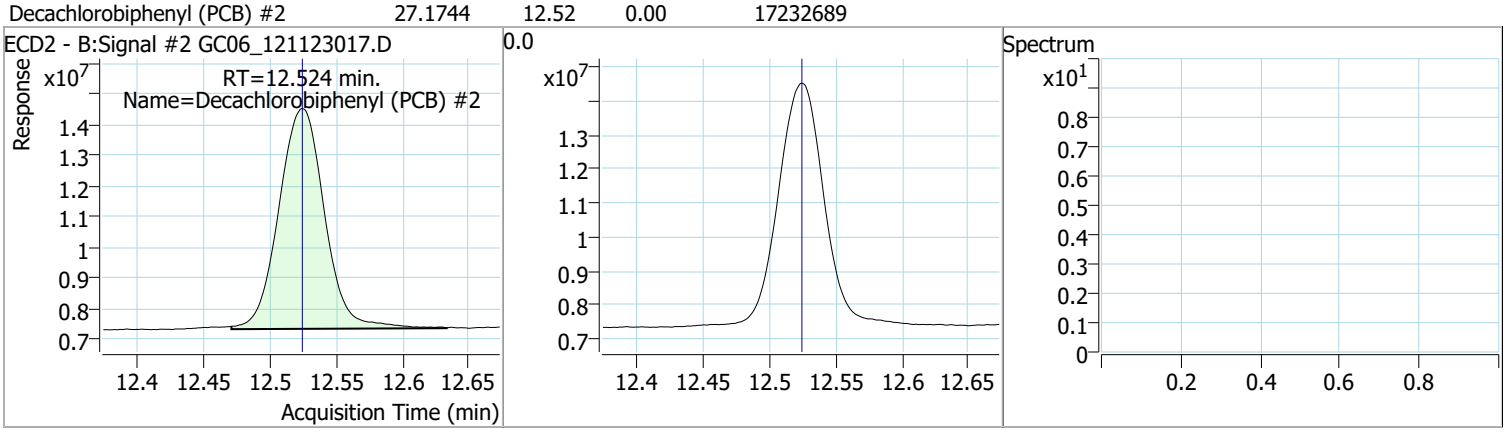

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 34.1914 | 11.20 | 0.06 | 1385838 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 35.2298 | 11.45 | 0.00 | 9934497 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 27.1744 | 12.52 | 0.00 | 17232689 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-002 | Client ID: | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-DUP-LA |
| Seqnum: | 453497606018 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123018 | Batch: | 328150 | Time: | 11-DEC-2023 18:28 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 55.51 | ~~0.56~~ ~~FP~~ | 0.78 | 34% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 107.1 | 1.07 | 1.52 | 35% | | | |
| Aroclor-1016 Peak # 2 | B | 62.22 | 0.62 | 0.43 | 37% | | | |
| Aroclor-1016 Peak # 3 | B | 104.4 | 1.04 | 1.83 | 54% | | | |
| Aroclor-1016 Peak # 4 | B | 1.880 | 0.02 | 0.03 | 41% | | | |
| Aroclor-1016 Peak # 5 | B | 1.868 | 0.02 | 0.10 | 136% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 21.09 | ND | 0.68 | 105% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 44.75 | 0.45 | 1.28 | 97% | | | |
| Aroclor-1260 Peak # 2 | B | 27.20 | 0.27 | 0.02 | 176% | | | |
| Aroclor-1260 Peak # 3 | B | 10.31 | 0.10 | 0.22 | 73% | | | |
| Aroclor-1260 Peak # 4 | B | 5.836 | 0.06 | 1.63 | 186% | | | |
| Aroclor-1260 Peak # 5 | B | 17.37 | 0.17 | 0.24 | 33% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 27.16 | 0.5000 | 0.2716 | 54 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 24.85 | 0.5000 | 0.2485 | 50 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 9441493 | 4.19 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 3855445 | -2.41 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

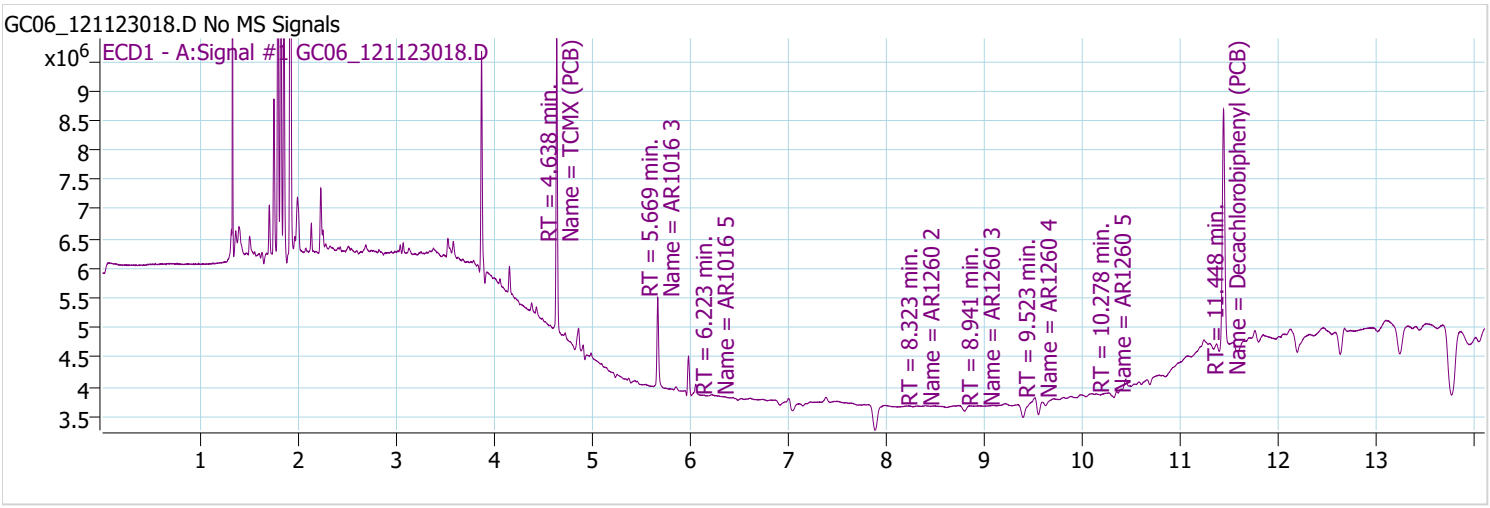
12/12/23 : WIPE/1DM^2-10ML

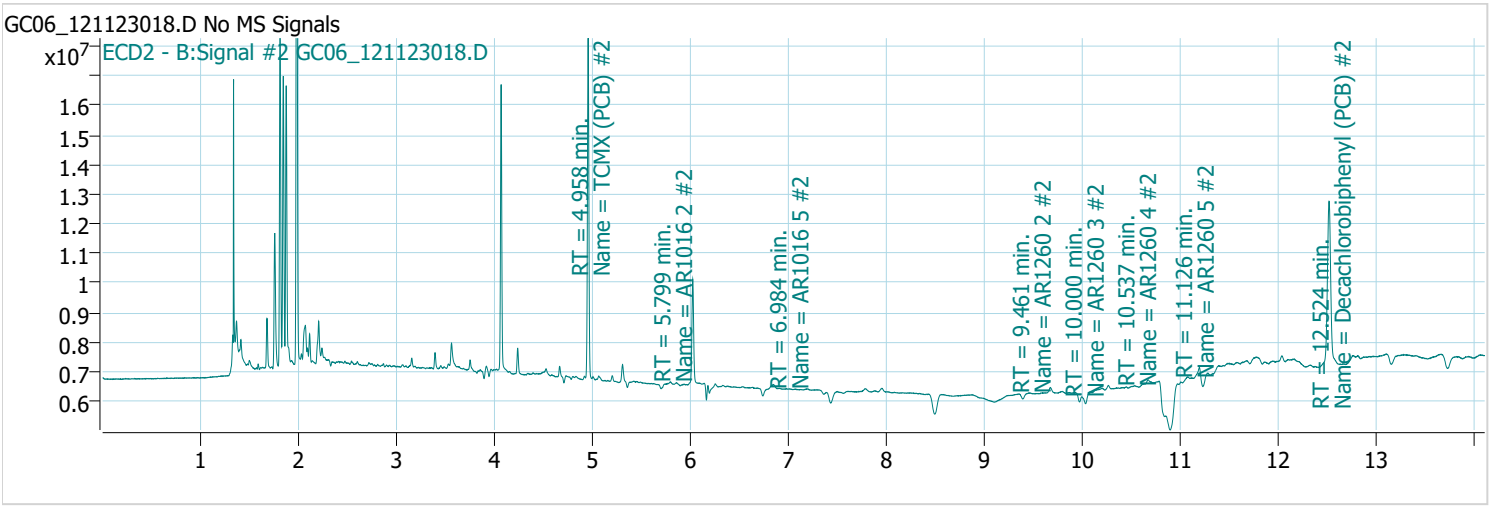
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123018.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 6:28:08 PM |
| Sample Name | 497480-002, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 5 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



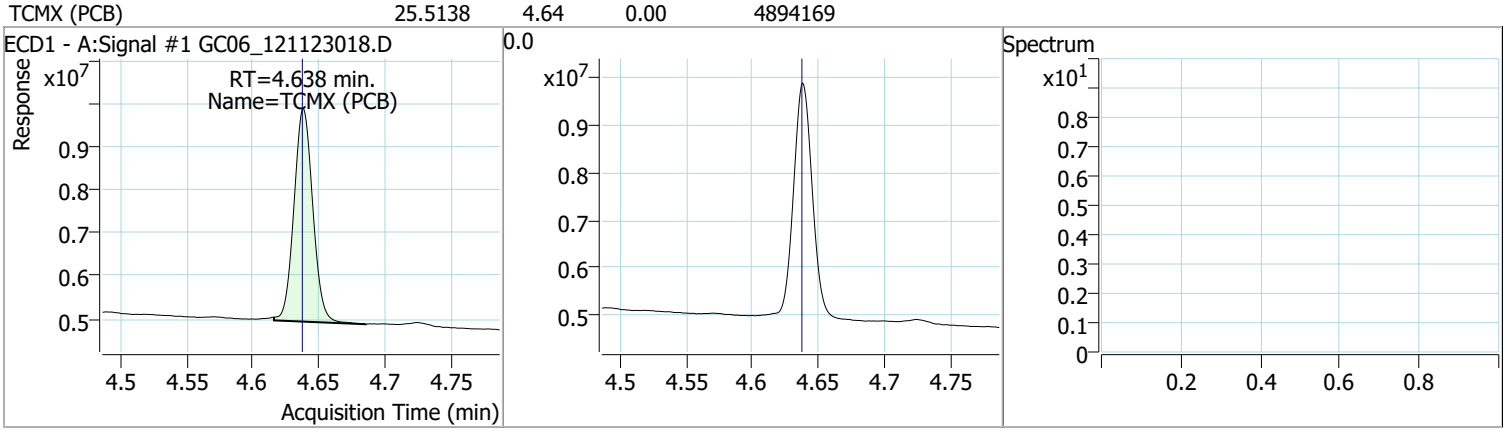




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.870 | 0.0 | 3855444.686 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 9441492.635 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.638 | 0.0 | 4894169.372 | 25.5138 | ng/ml | | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 127.57% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 12055732.383 | 27.1641 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 135.82% | | | |
| S Decachlorobiphenyl (PCB) | 11.448 | 0.0 | 7590796.450 | 30.8640 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 154.32% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.524 | 0.0 | 13465731.413 | 24.8461 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 124.23% | | | |
| **Target Compounds** | | | | | | | QValue |

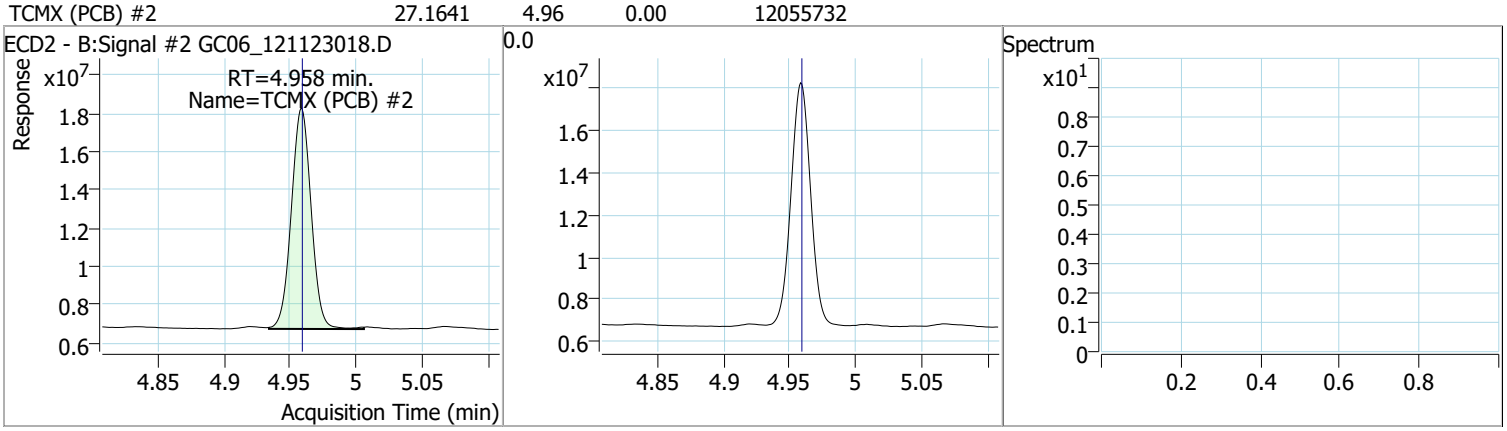
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.988 | 0.0 | 638018.465 | 152.4709 | ng/ml | 100 |
| T AR1016 2 | 5.257 | 0.0 | 361016.536 | 42.9845 | ng/ml | 100 |
| T AR1016 1 #2 | 5.428 | 0.0 | 935192.565 | 107.1184 | ng/ml | 100 |
| T AR1016 3 | 5.669 | 0.0 | 1856235.272 | 182.6254 | ng/ml | 100 |
| T AR1016 2 #2 | 5.799 | 0.0 | 1133699.412 | 62.2237 | ng/ml | 100 |
| T AR1016 4 | 5.799 | 0.0 | 19090.976 | 2.8380 | ng/ml | 100 |
| T AR1016 5 | 6.223 | 0.0 | 59115.132 | 9.7657 | ng/ml | 100 |
| T AR1016 3 #2 | 6.258 | 0.0 | 2532303.605 | 104.4487 | ng/ml | 100 |
| T AR1016 4 #2 | 6.443 | 0.0 | 30615.886 | 1.8798 | ng/ml | 100 |
| T AR1016 5 #2 | 6.984 | 0.0 | 25132.997 | 1.8679 | ng/ml | 100 |
| T AR1260 1 | 7.960 | 0.0 | 1497388.949 | 128.4596 | ng/ml | 100 |
| T AR1260 2 | 8.323 | 0.0 | 31138.511 | 1.7143 | ng/ml | 100 |
| T AR1260 3 | 8.941 | 0.0 | 425008.042 | 22.2833 | ng/ml | 100 |
| T AR1260 1 #2 | 9.353 | 0.0 | 1118591.520 | 44.7501 | ng/ml | 100 |
| T AR1260 4 | 9.523 | 0.0 | 1637201.471 | 163.2973 | ng/ml | 100 |
| T AR1260 2 #2 | 9.461 | 0.0 | 820179.270 | 27.1959 | ng/ml | 100 |
| T AR1260 3 #2 | 10.000 | 0.0 | 396540.675 | 10.3147 | ng/ml | 100 |
| T AR1260 5 | 10.278 | 0.0 | 311244.749 | 24.3284 | ng/ml | 100 |
| T AR1260 4 #2 | 10.537 | 0.0 | 136409.443 | 5.8363 | ng/ml | 100 |
| T AR1260 5 #2 | 11.126 | 0.0 | 601723.067 | 17.3709 | ng/ml | 100 |

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

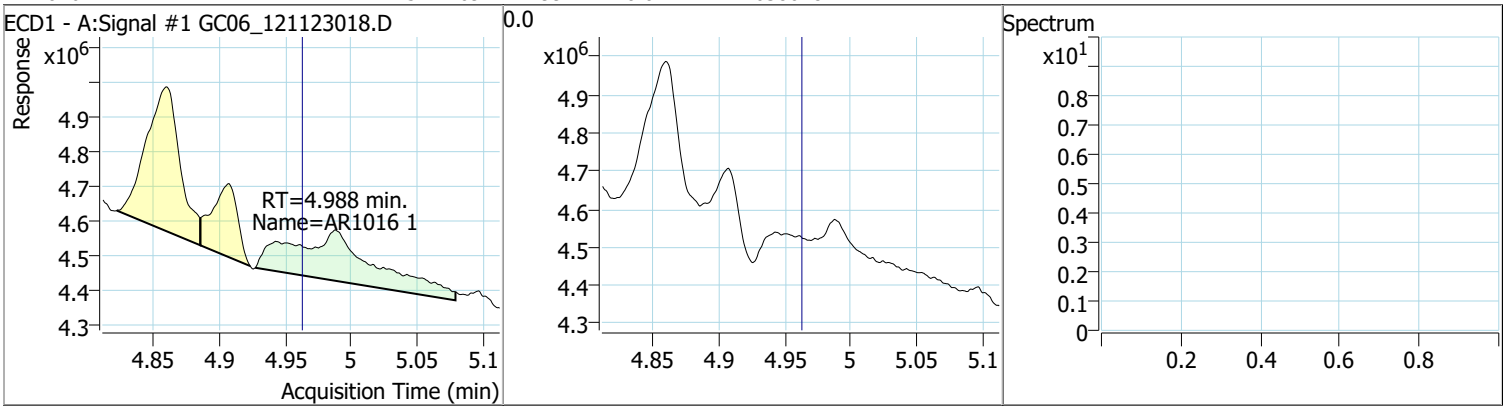
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 25.5138 | 4.64 | 0.00 | 4894169 | | | | |



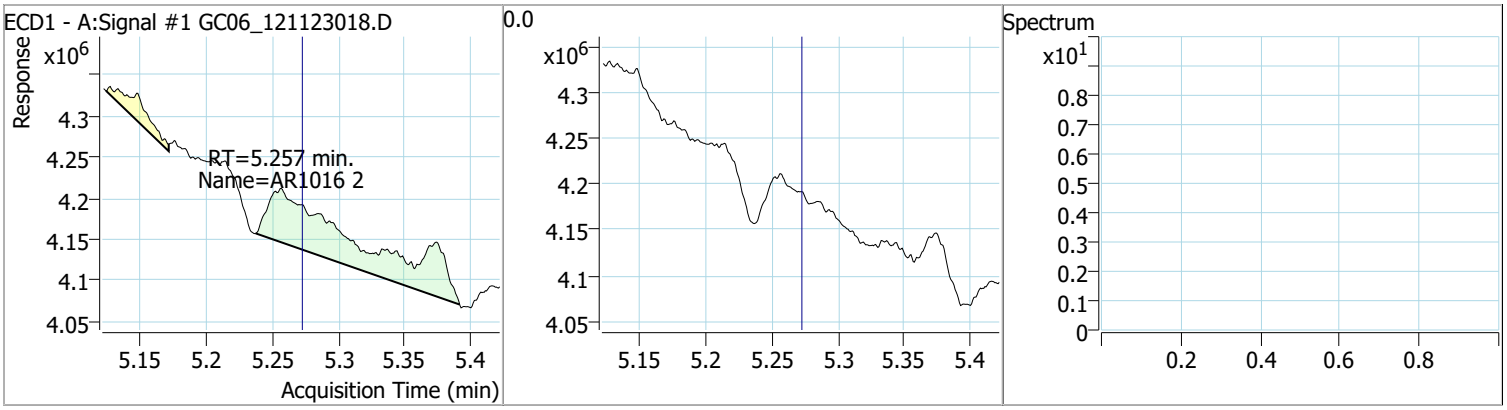

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 27.1641 | 4.96 | 0.00 | 12055732 | | | | |



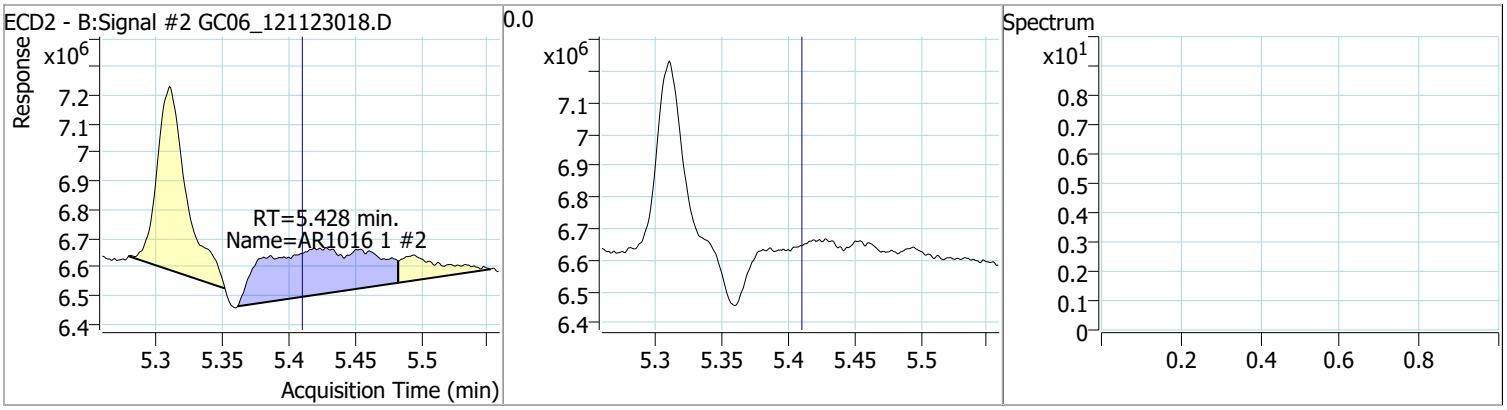

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 152.4709 | 4.99 | 0.02 | 638018 | | | | |



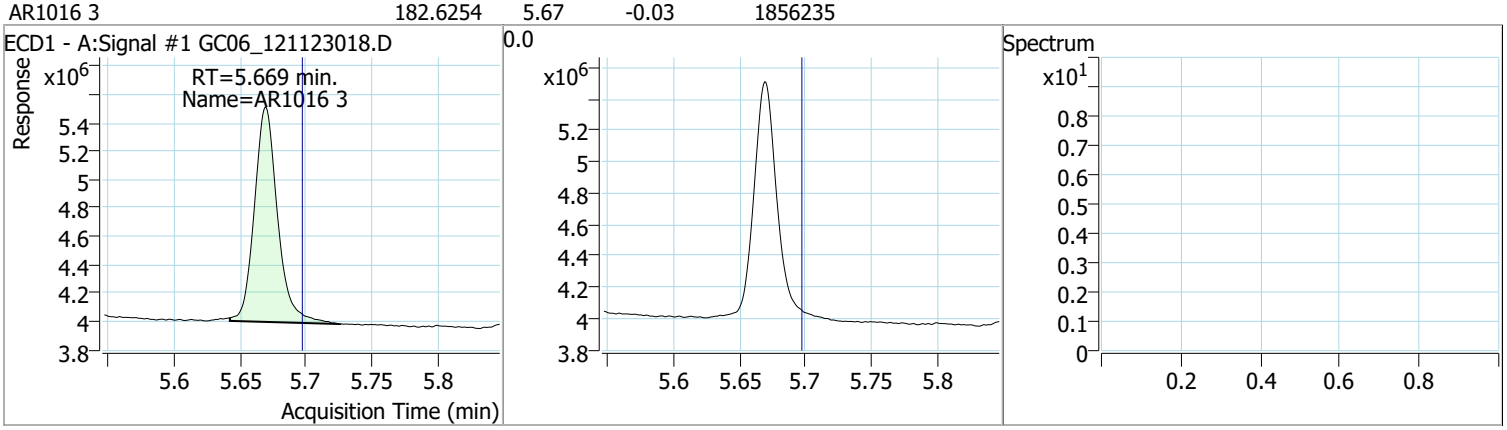

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 42.9845 | 5.26 | -0.02 | 361017 | | | | |



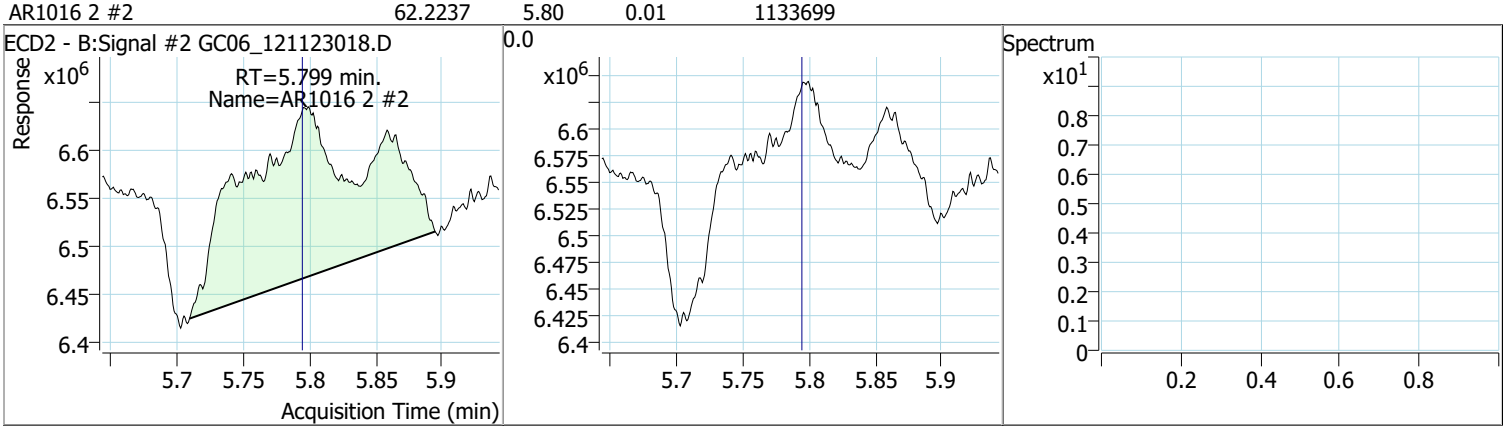
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 107.1184 | 5.43 | 0.02 | 935193 | | | | |



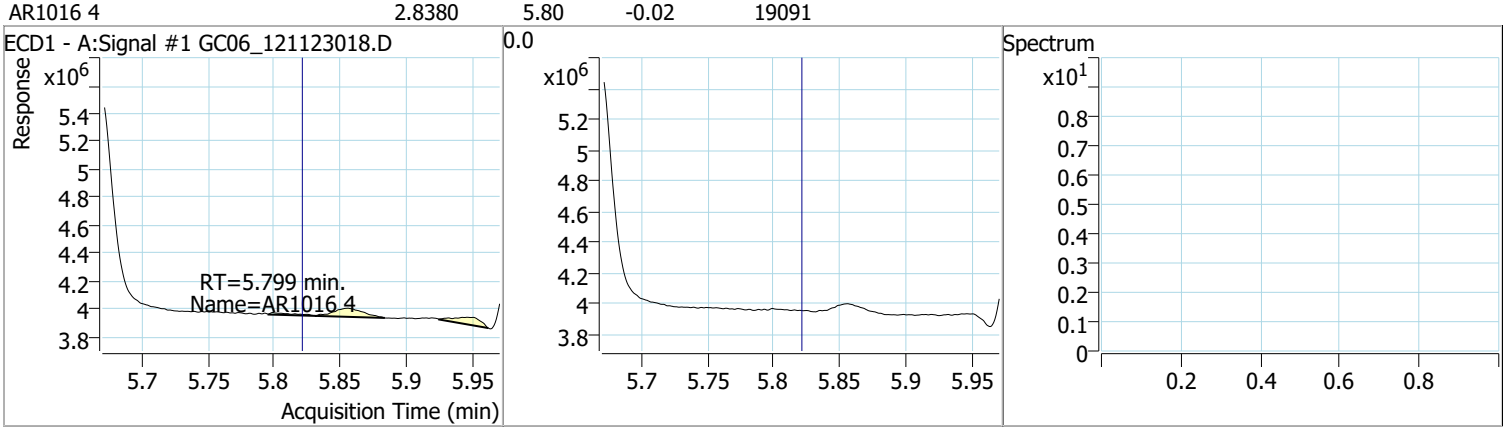

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 182.6254 | 5.67 | -0.03 | 1856235 | | | | |



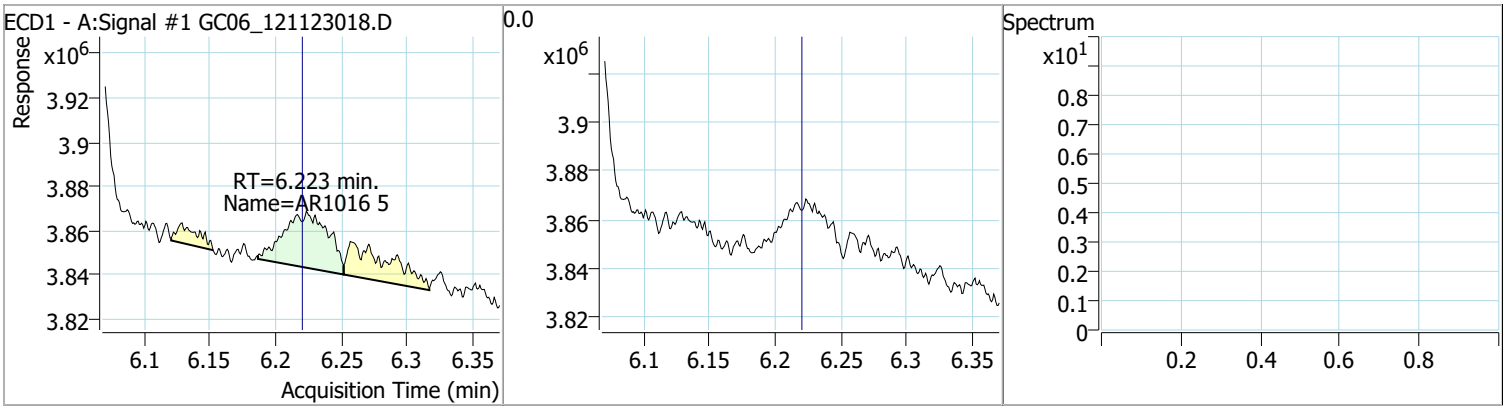

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 62.2237 | 5.80 | 0.01 | 1133699 | | | | |



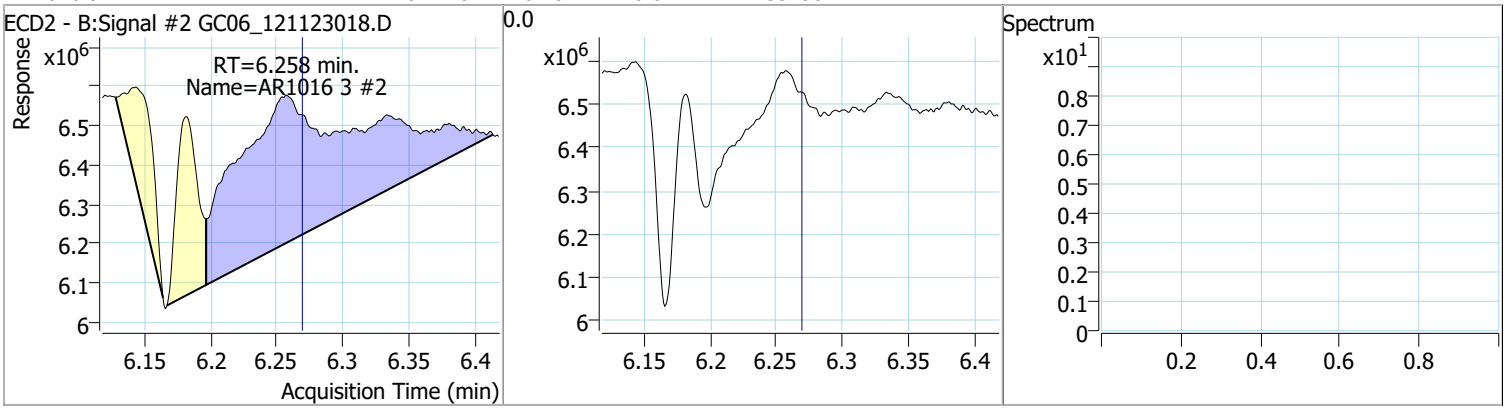

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 2.8380 | 5.80 | -0.02 | 19091 | | | | |



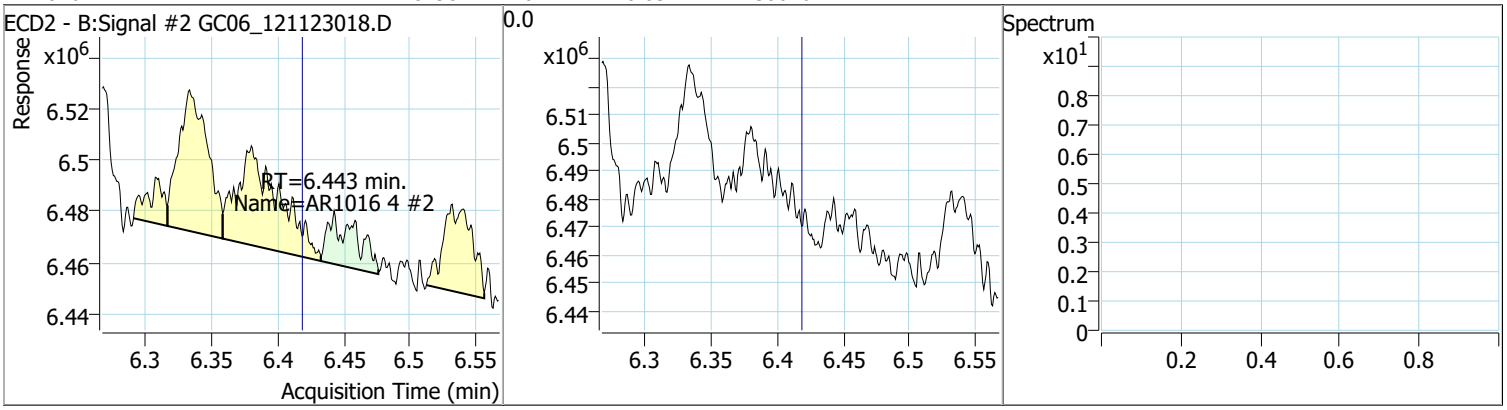
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 9.7657 | 6.22 | 0.00 | 59115 | | | | |



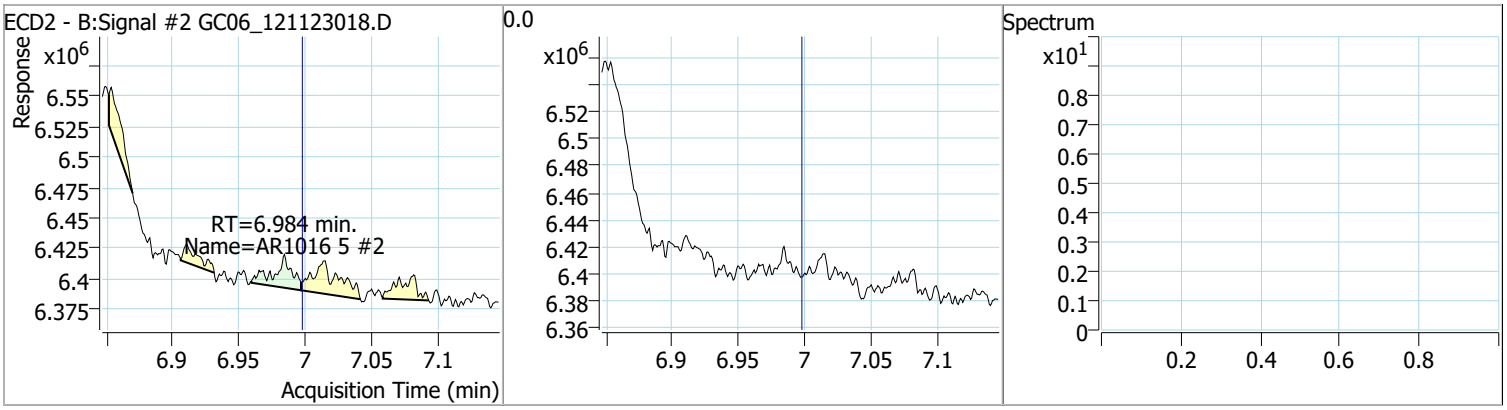

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 104.4487 | 6.26 | -0.01 | 2532304 | | | | |



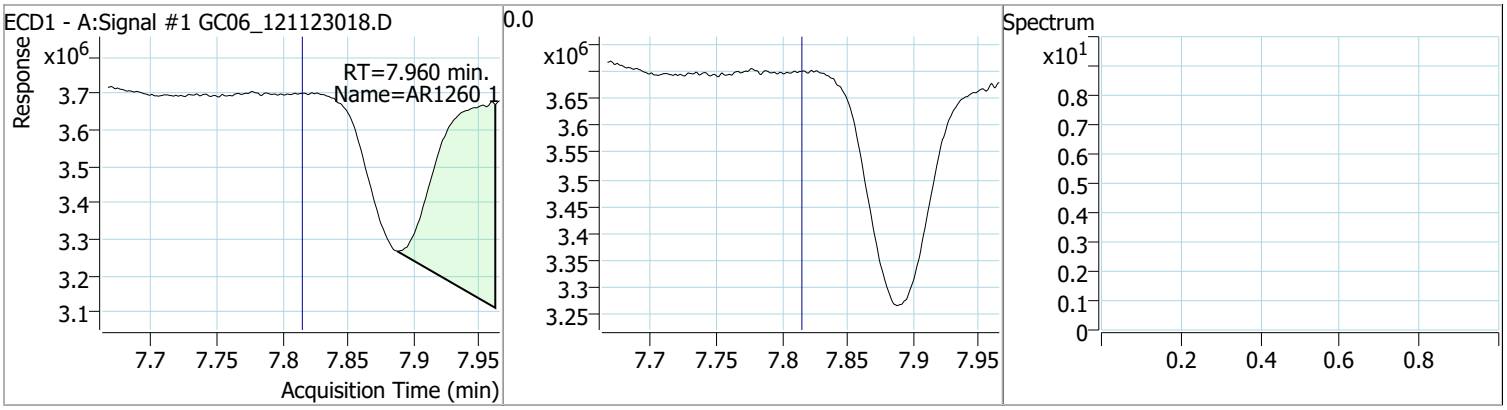

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1.8798 | 6.44 | 0.03 | 30616 | | | | |



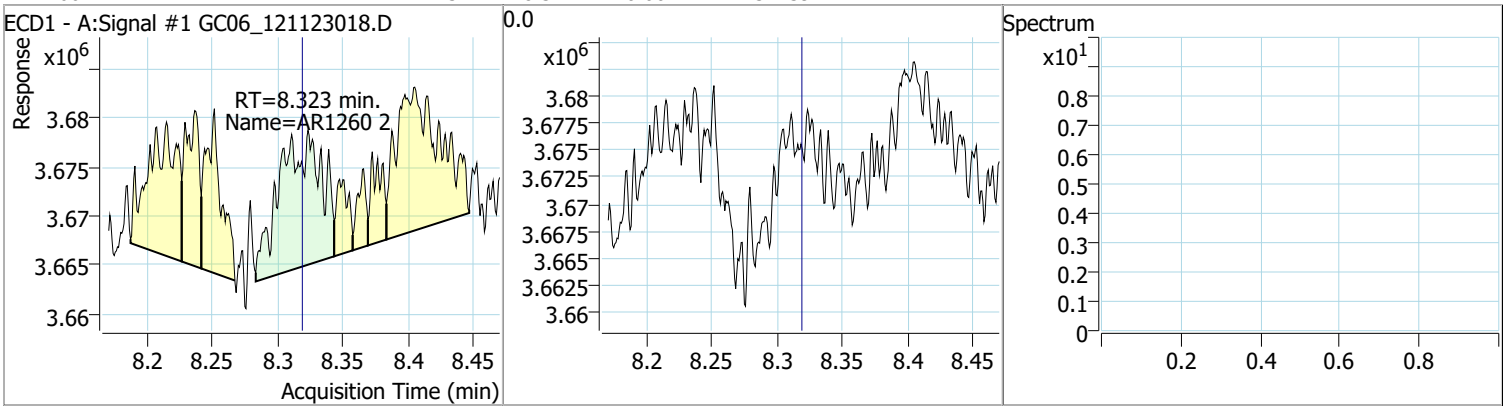

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.8679 | 6.98 | -0.01 | 25133 | | | | |



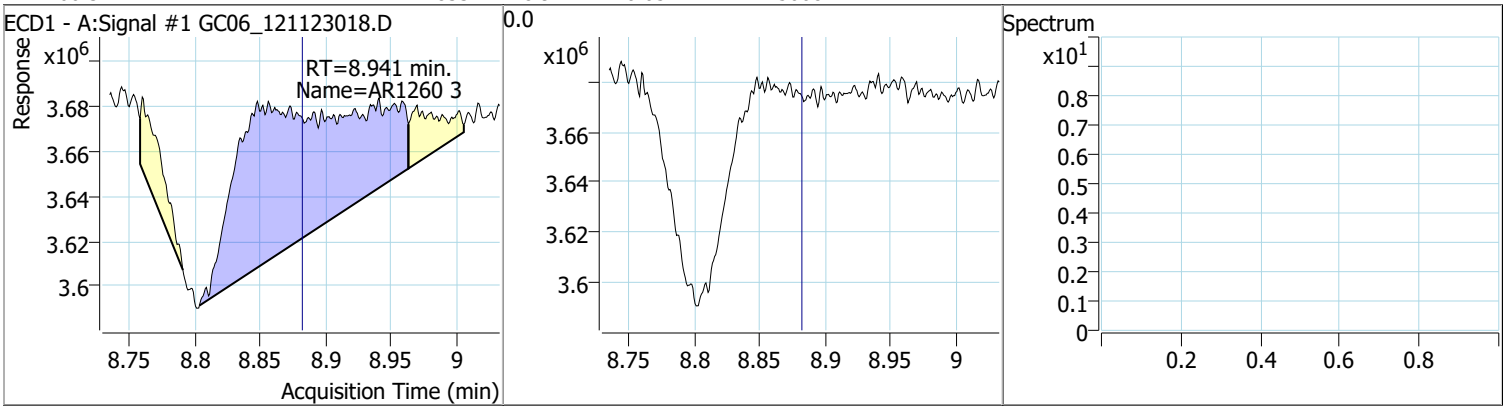
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 128.4596 | 7.96 | 0.14 | 1497389 | | | | |



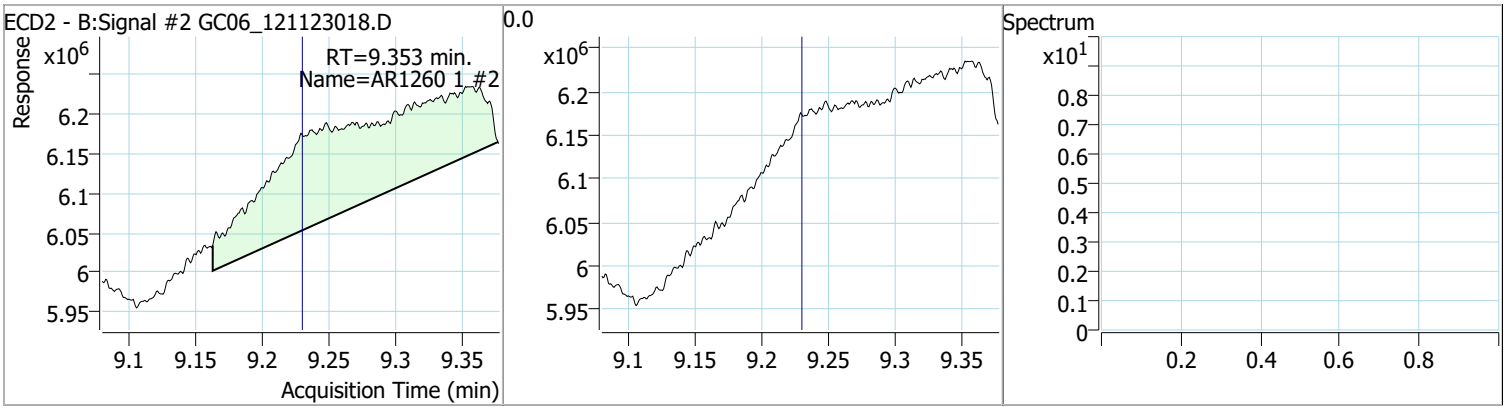

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1.7143 | 8.32 | 0.00 | 31139 | | | | |



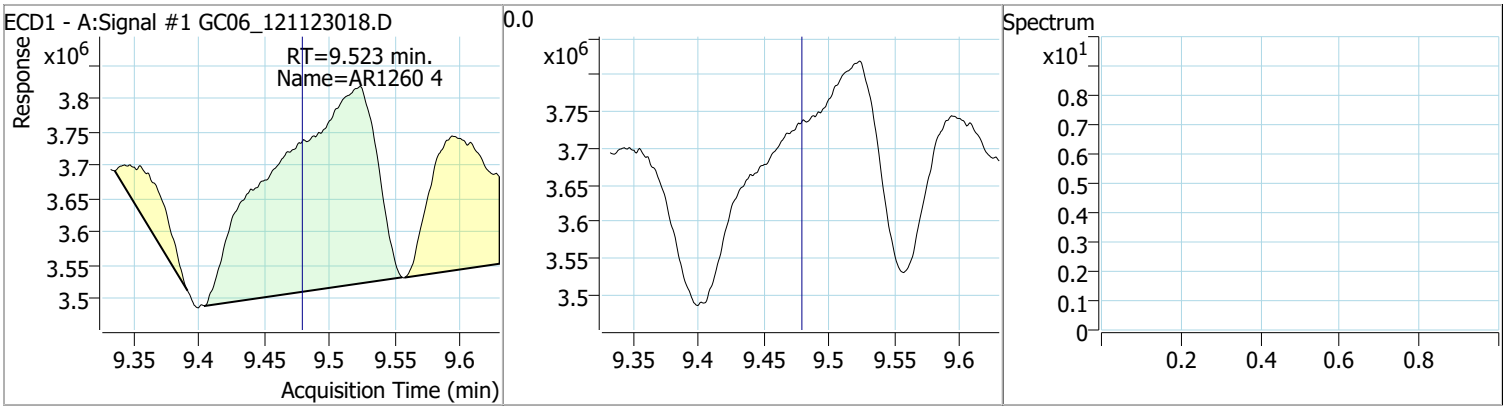

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 22.2833 | 8.94 | 0.05 | 425008 | | | | |



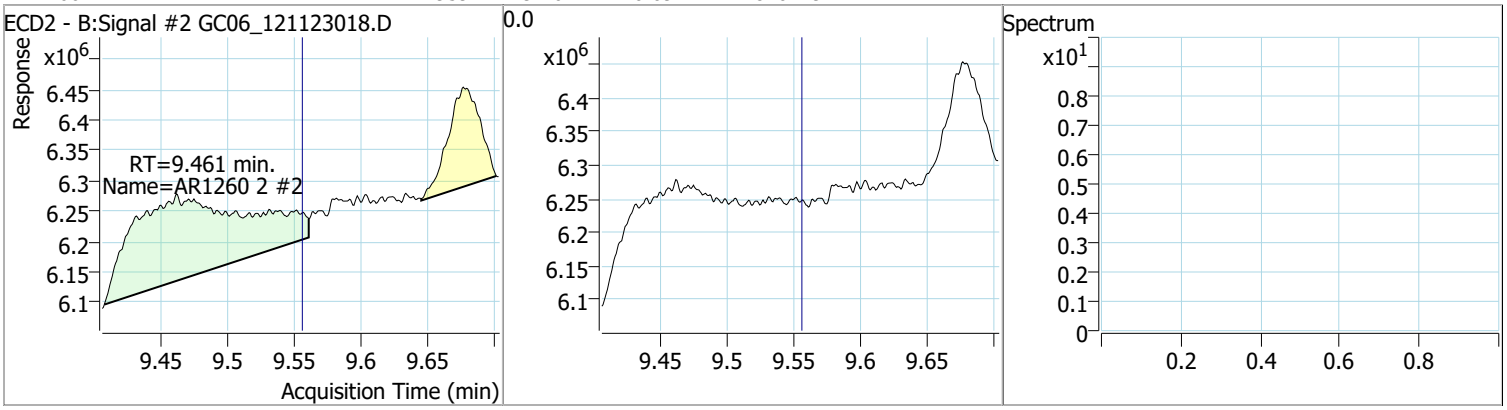

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 44.7501 | 9.35 | 0.12 | 1118592 | | | | |



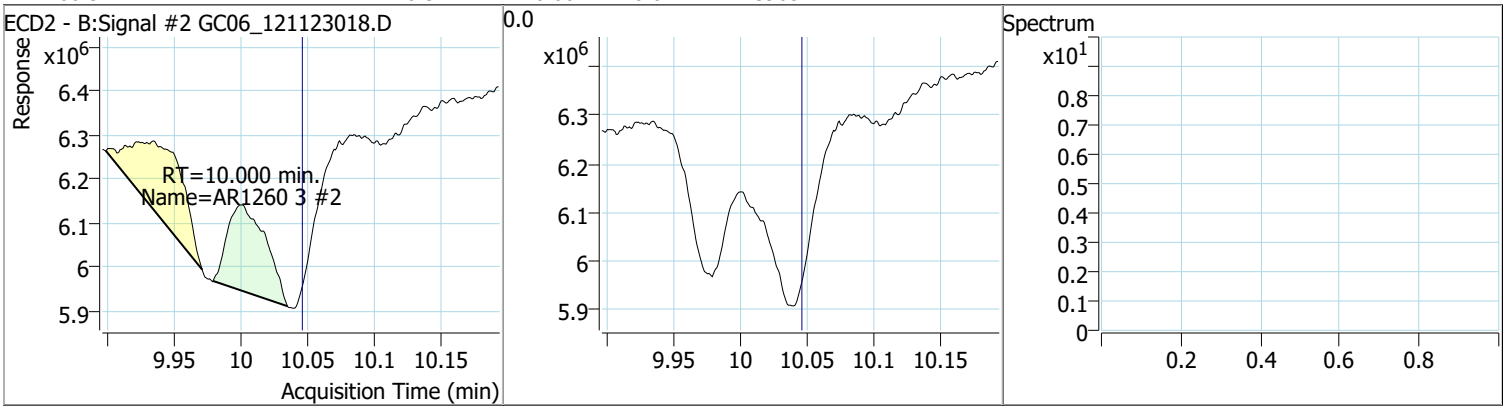
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 163.2973 | 9.52 | 0.04 | 1637201 | | | | |



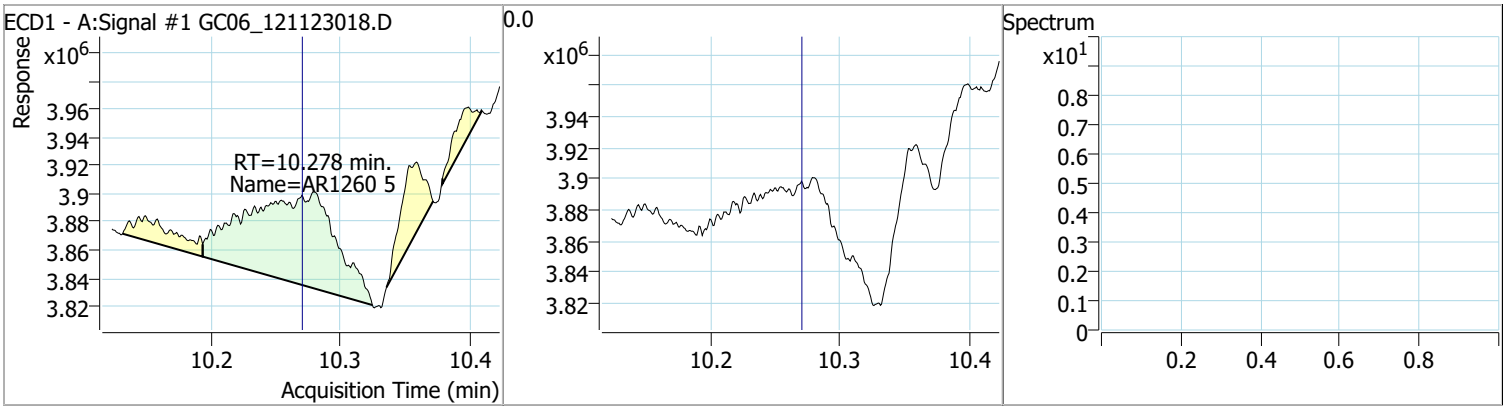

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 27.1959 | 9.46 | -0.09 | 820179 | | | | |



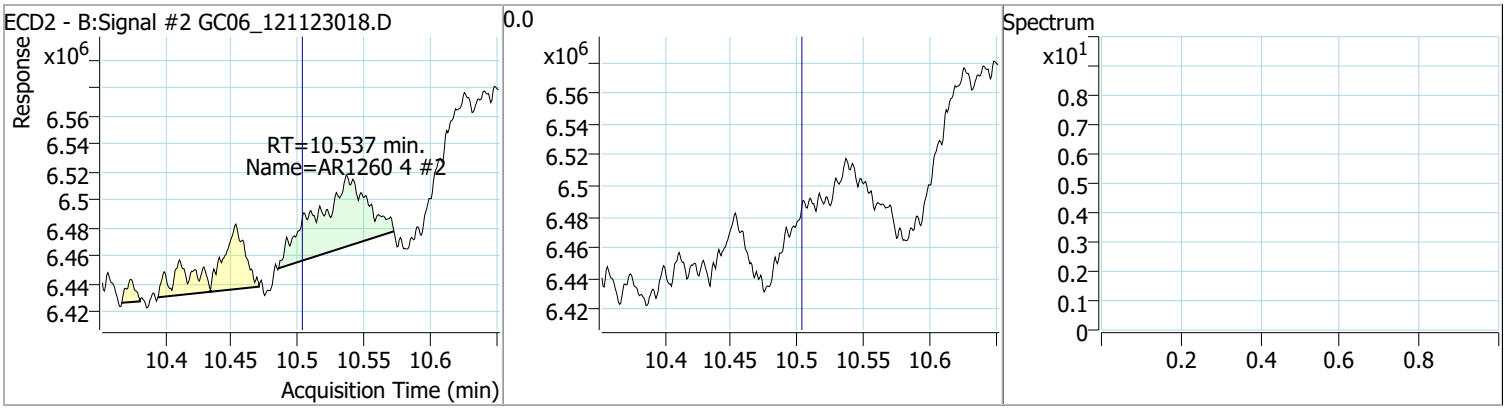

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 10.3147 | 10.00 | -0.04 | 396541 | | | | |



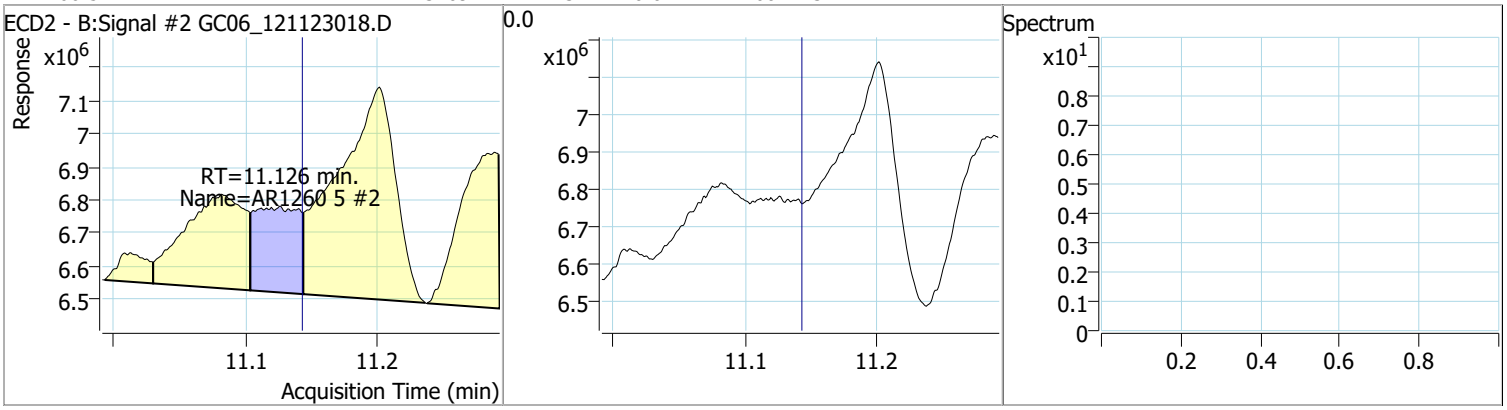

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 24.3284 | 10.28 | 0.00 | 311245 | | | | |



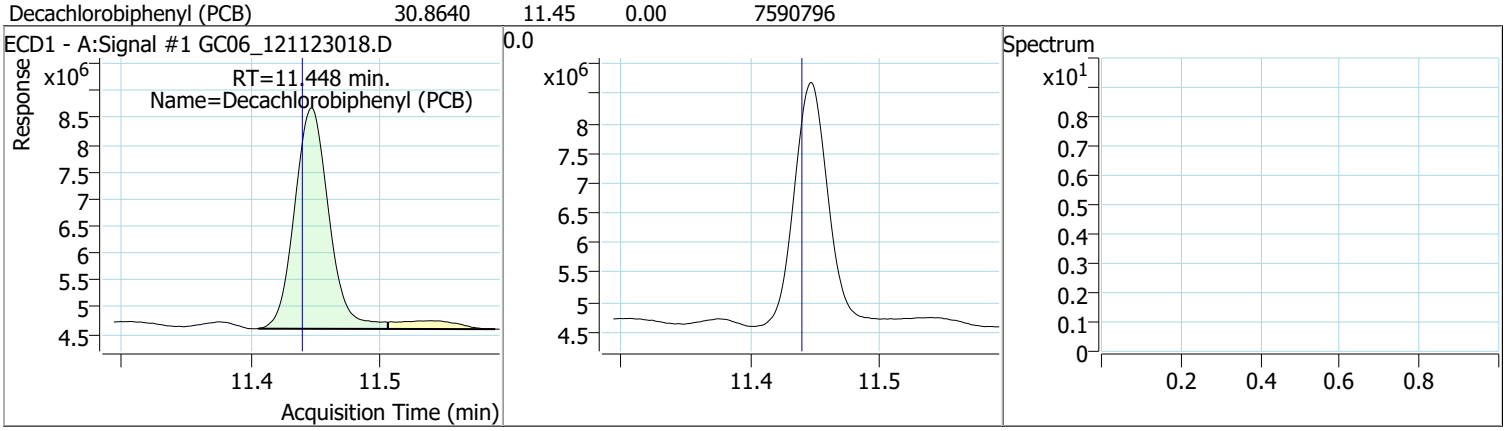
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 5.8363 | 10.54 | 0.03 | 136409 | | | | |



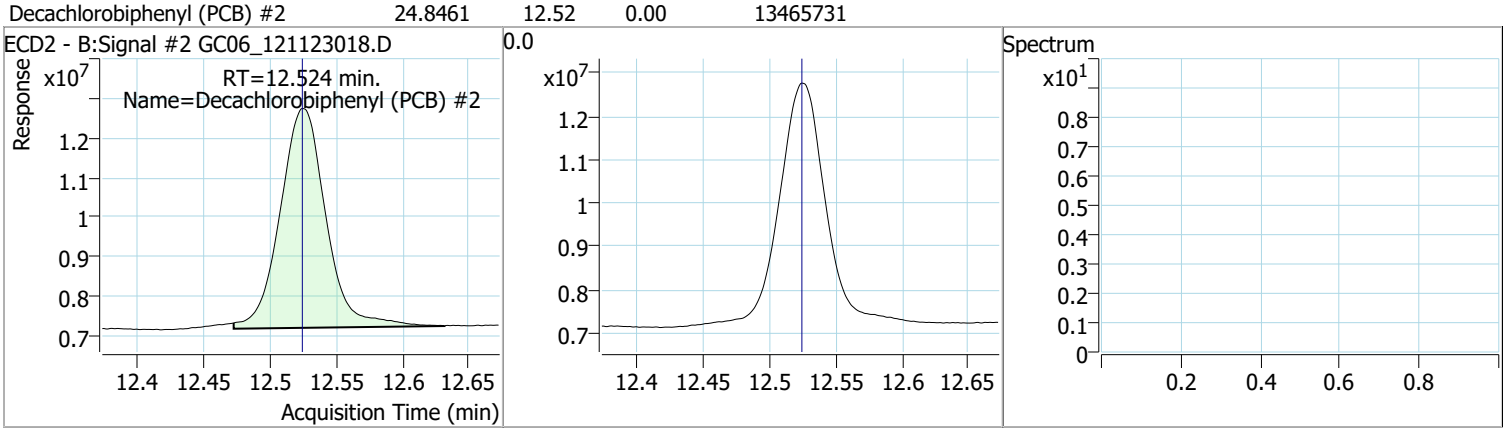

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 17.3709 | 11.13 | -0.02 | 601723 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 30.8640 | 11.45 | 0.00 | 7590796 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 24.8461 | 12.52 | 0.00 | 13465731 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-004 | Client ID: | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-P-LA |
| Seqnum: | 453497606019 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123019 | Batch: | 328150 | Time: | 11-DEC-2023 18:47 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 51.23 | ~~0.51~~ ~~FP~~ | 0.66 | 25% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 113.5 | 1.14 | 2.00 | 55% | | | |
| Aroclor-1016 Peak # 2 | B | 67.22 | 0.67 | 0.52 | 25% | | | |
| Aroclor-1016 Peak # 3 | B | 71.07 | 0.71 | 0.60 | 16% | | | |
| Aroclor-1016 Peak # 4 | B | 1.917 | 0.02 | 0.03 | 29% | | | |
| Aroclor-1016 Peak # 5 | B | 2.415 | 0.02 | 0.14 | 140% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 17.51 | ND | 0.71 | 121% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 40.45 | 0.40 | 1.36 | 108% | | | |
| Aroclor-1260 Peak # 2 | B | 11.80 | 0.12 | 0.02 | 136% | | | |
| Aroclor-1260 Peak # 3 | B | 11.65 | 0.12 | 0.28 | 81% | | | |
| Aroclor-1260 Peak # 4 | B | 9.389 | 0.09 | 1.71 | 179% | | | |
| Aroclor-1260 Peak # 5 | B | 14.26 | 0.14 | 0.17 | 15% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 33.62 | 0.5000 | 0.3362 | 67 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 28.77 | 0.5000 | 0.2877 | 58 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10245264 | 13.06 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4124523 | 4.40 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

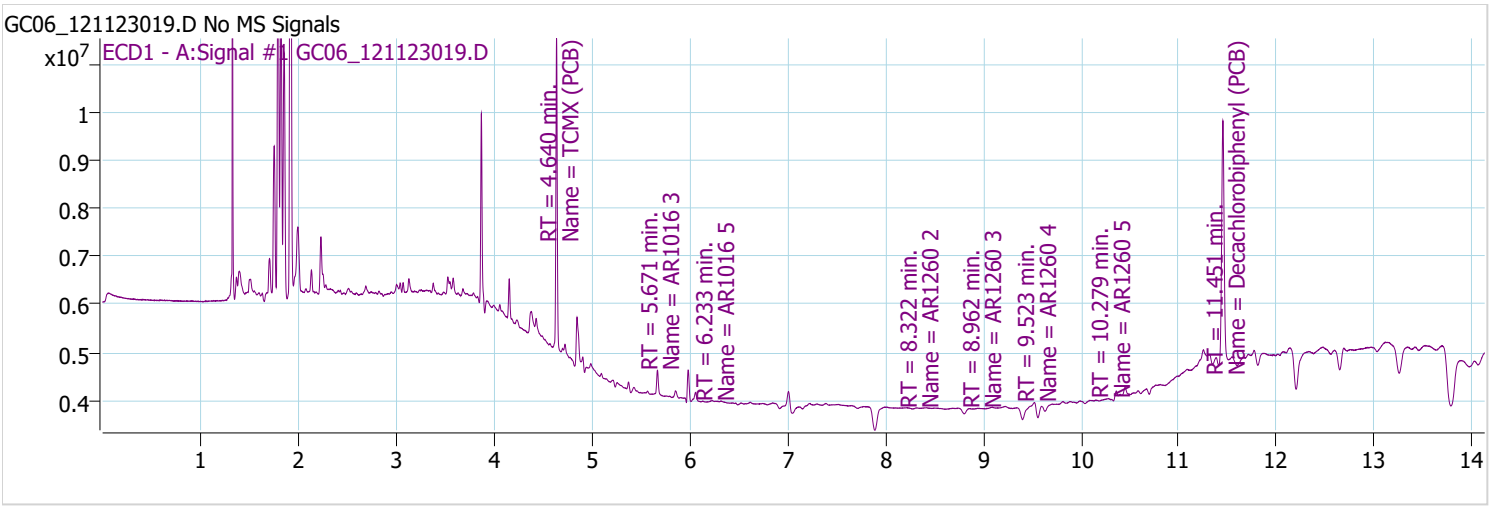
12/12/23 : WIPE/1DM^2-10ML

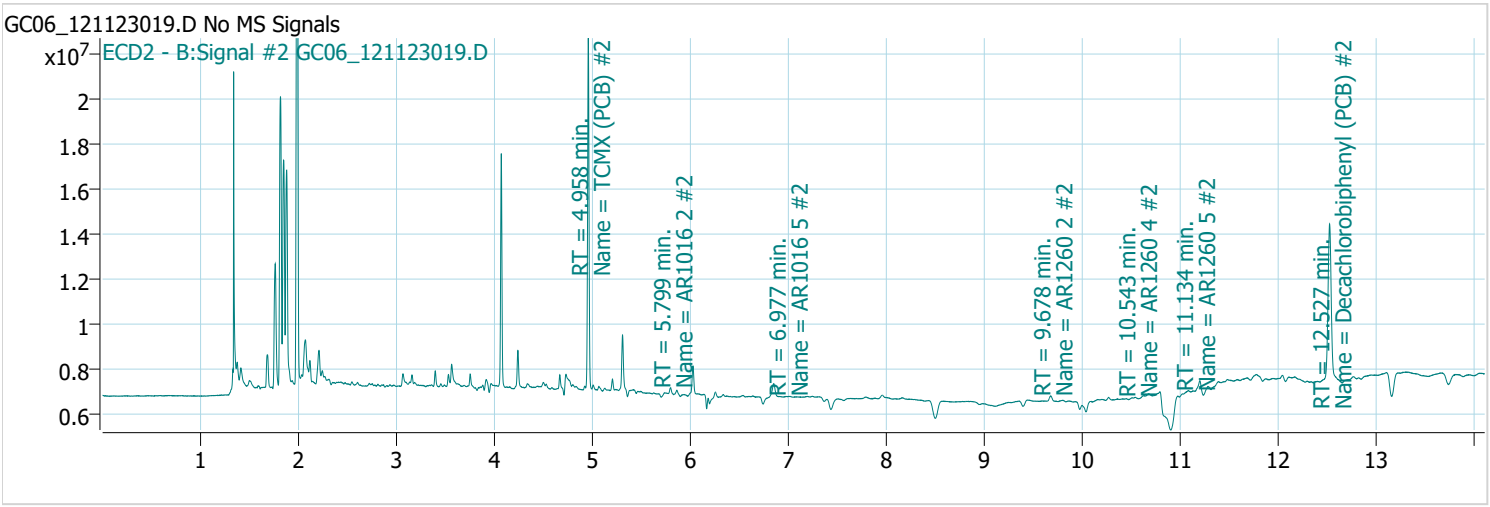
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123019.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 6:47:51 PM |
| Sample Name | 497480-004, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 6 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



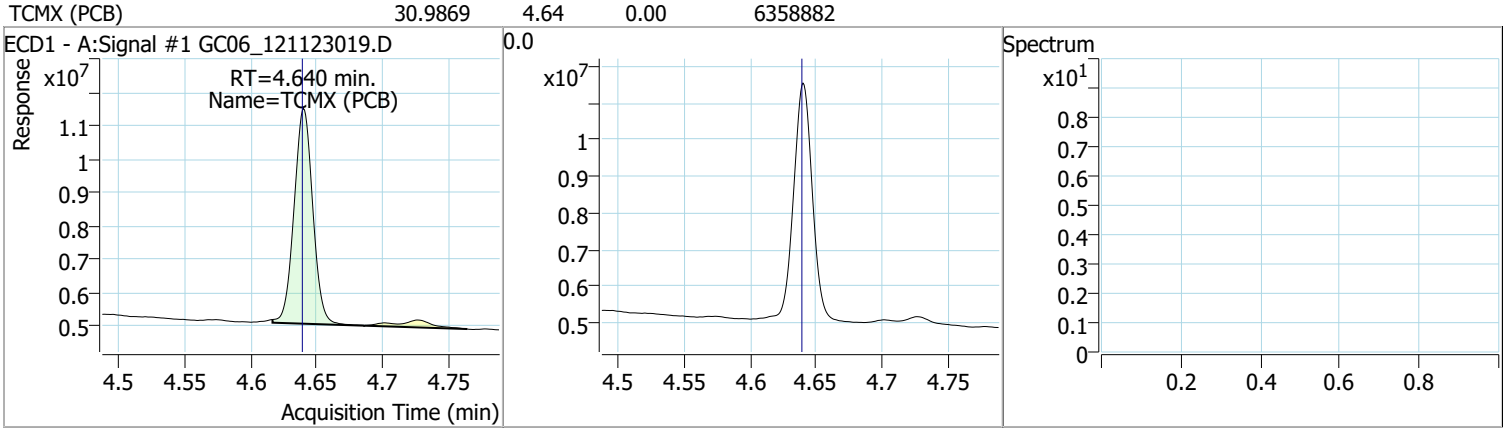




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.872 | 0.0 | 4124522.501 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 10245263.532 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.640 | 0.0 | 6358882.033 | 30.9869 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 154.93% | | * | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 16193641.785 | 33.6251 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 168.13% | | * | |
| S Decachlorobiphenyl (PCB) | 11.451 | 0.0 | 9242309.996 | 35.1275 | ng/ml | | 0.004 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 175.64% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.527 | 0.0 | 16919727.876 | 28.7700 | ng/ml | | 0.003 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 143.85% | | | |
| **Target Compounds** | | | | | | | QValue |

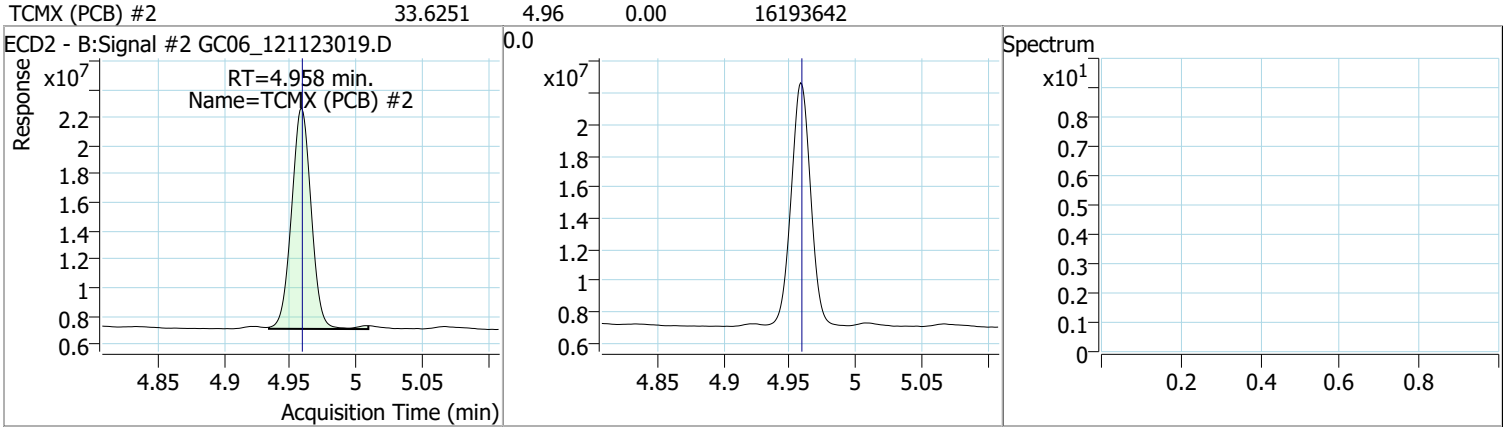
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.990 | 0.0 | 893872.172 | 199.6779 | ng/ml | 100 |
| T AR1016 2 | 5.258 | 0.0 | 470335.597 | 52.3472 | ng/ml | 100 |
| T AR1016 1 #2 | 5.421 | 0.0 | 1075333.558 | 113.5073 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 655458.153 | 60.2801 | ng/ml | 100 |
| T AR1016 2 #2 | 5.799 | 0.0 | 1329089.811 | 67.2248 | ng/ml | 100 |
| T AR1016 4 | 5.799 | 0.0 | 18546.156 | 2.5772 | ng/ml | 100 |
| T AR1016 5 | 6.233 | 0.0 | 88333.252 | 13.6405 | ng/ml | 100 |
| T AR1016 3 #2 | 6.257 | 0.0 | 1869885.712 | 71.0755 | ng/ml | 100 |
| T AR1016 4 #2 | 6.453 | 0.0 | 33885.138 | 1.9173 | ng/ml | 100 |
| T AR1016 5 #2 | 6.977 | 0.0 | 35263.183 | 2.4151 | ng/ml | 100 |
| T AR1260 1 | 7.966 | 0.0 | 1692134.090 | 135.6961 | ng/ml | 100 |
| T AR1260 2 | 8.322 | 0.0 | 43697.017 | 2.2488 | ng/ml | 100 |
| T AR1260 3 | 8.962 | 0.0 | 562453.572 | 27.5657 | ng/ml | 100 |
| T AR1260 1 #2 | 9.361 | 0.0 | 1097091.455 | 40.4466 | ng/ml | 100 |
| T AR1260 4 | 9.523 | 0.0 | 1835129.895 | 171.0978 | ng/ml | 100 |
| T AR1260 2 #2 | 9.678 | 0.0 | 386013.461 | 11.7955 | ng/ml | 100 |
| T AR1260 3 #2 | 9.998 | 0.0 | 486154.950 | 11.6536 | ng/ml | 100 |
| T AR1260 5 | 10.279 | 0.0 | 226360.851 | 16.5392 | ng/ml | 100 |
| T AR1260 4 #2 | 10.543 | 0.0 | 238127.897 | 9.3891 | ng/ml | 100 |
| T AR1260 5 #2 | 11.134 | 0.0 | 535914.845 | 14.2574 | ng/ml | 100 |

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

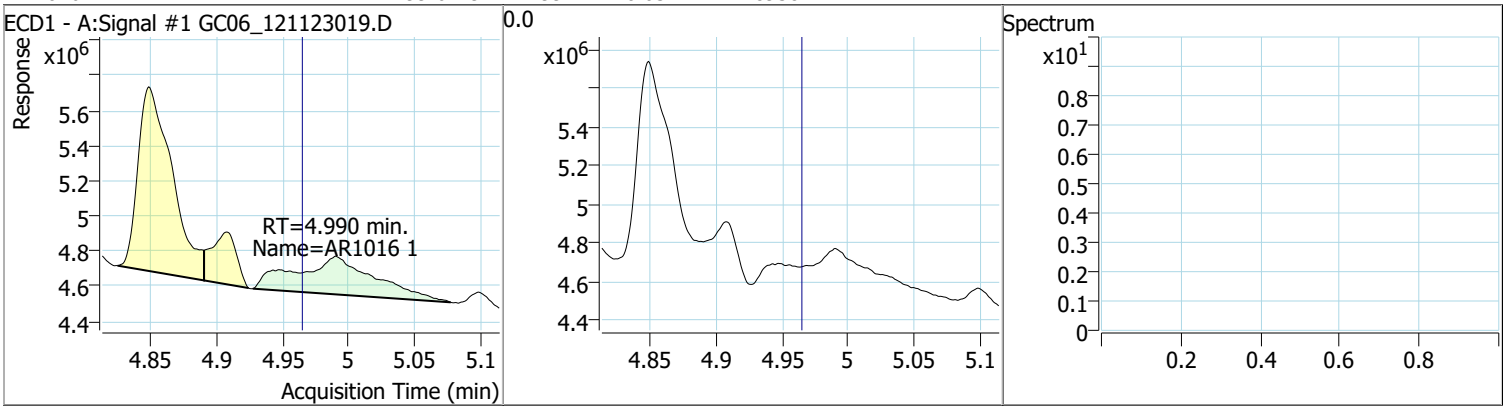
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 30.9869 | 4.64 | 0.00 | 6358882 | | | | |



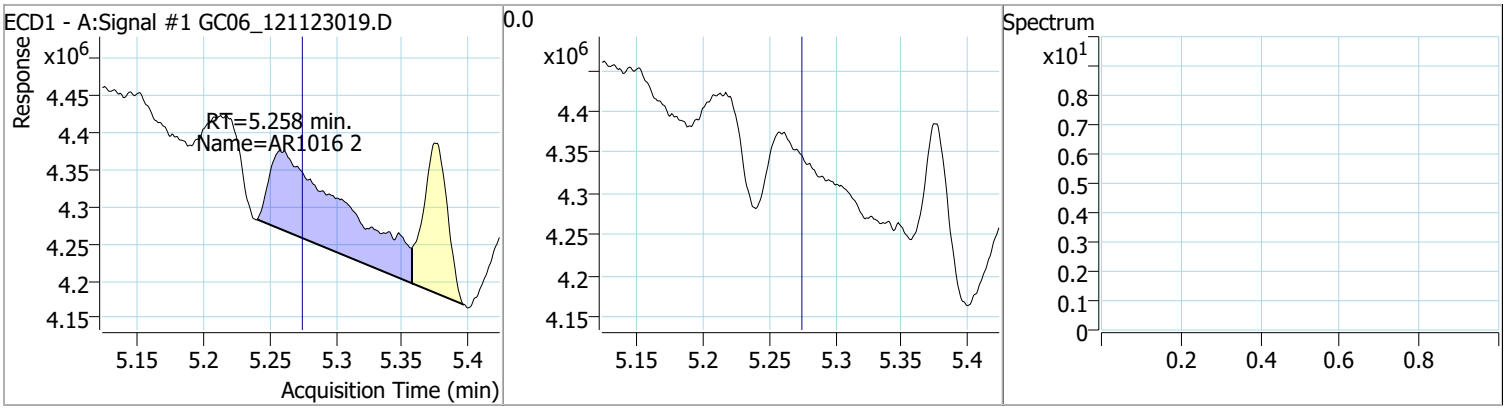

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 33.6251 | 4.96 | 0.00 | 16193642 | | | | |



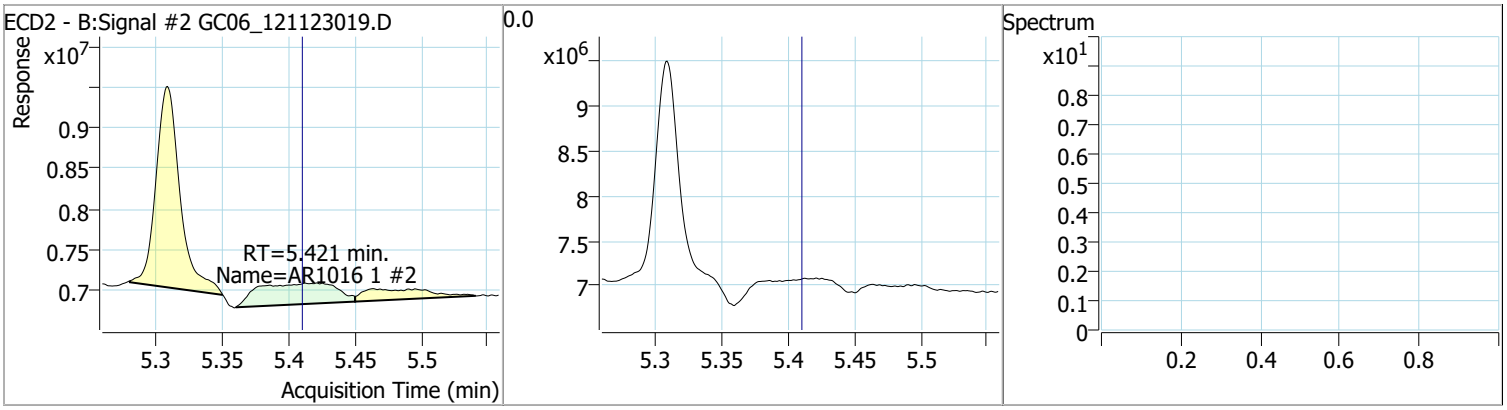

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 199.6779 | 4.99 | 0.03 | 893872 | | | | |



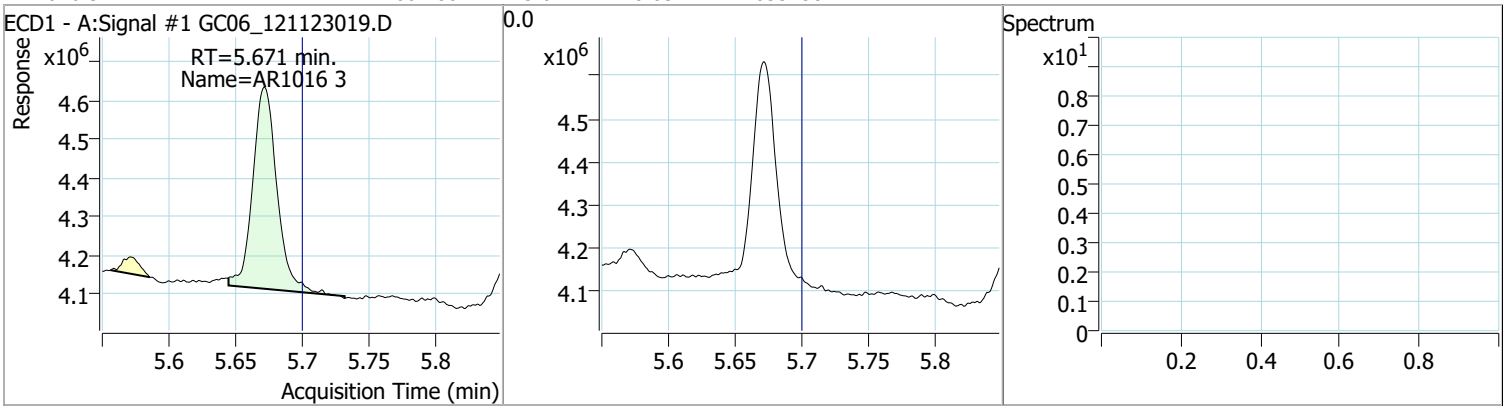

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 52.3472 | 5.26 | -0.02 | 470336 | | | | |



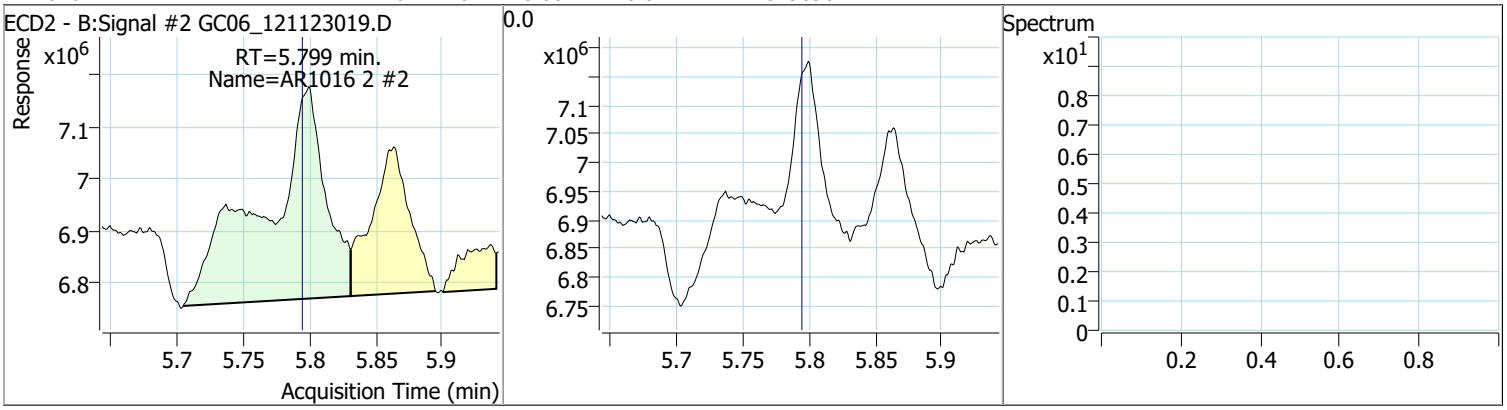
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 113.5073 | 5.42 | 0.01 | 1075334 | | | | |



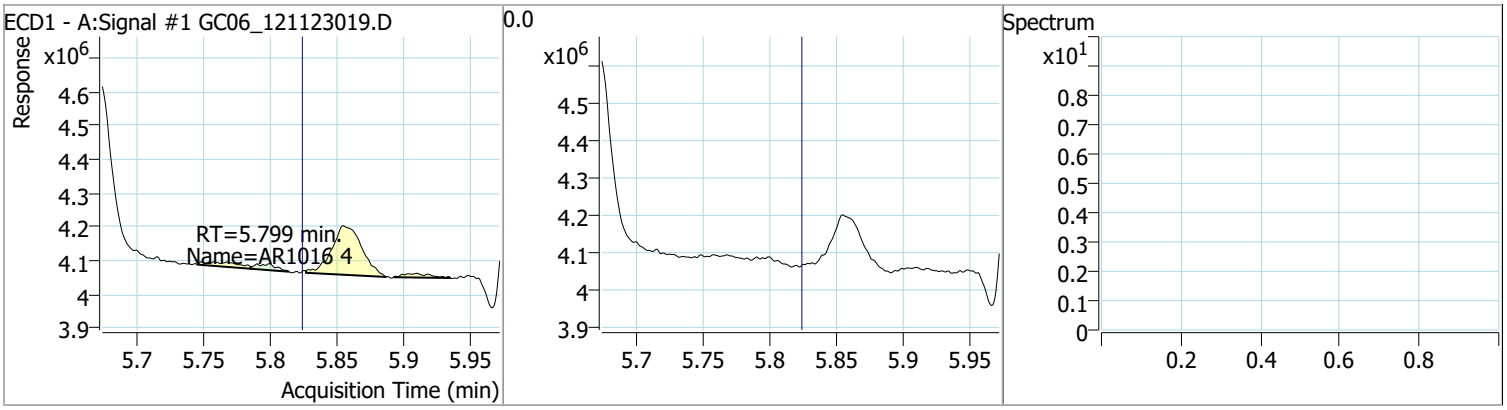

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 60.2801 | 5.67 | -0.03 | 655458 | | | | |



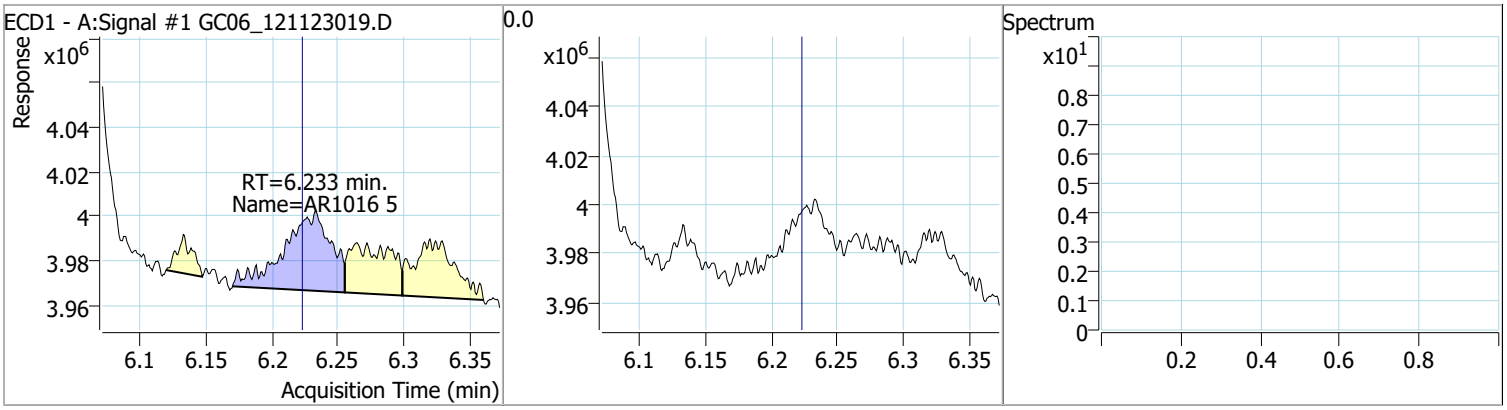

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 67.2248 | 5.80 | 0.01 | 1329090 | | | | |



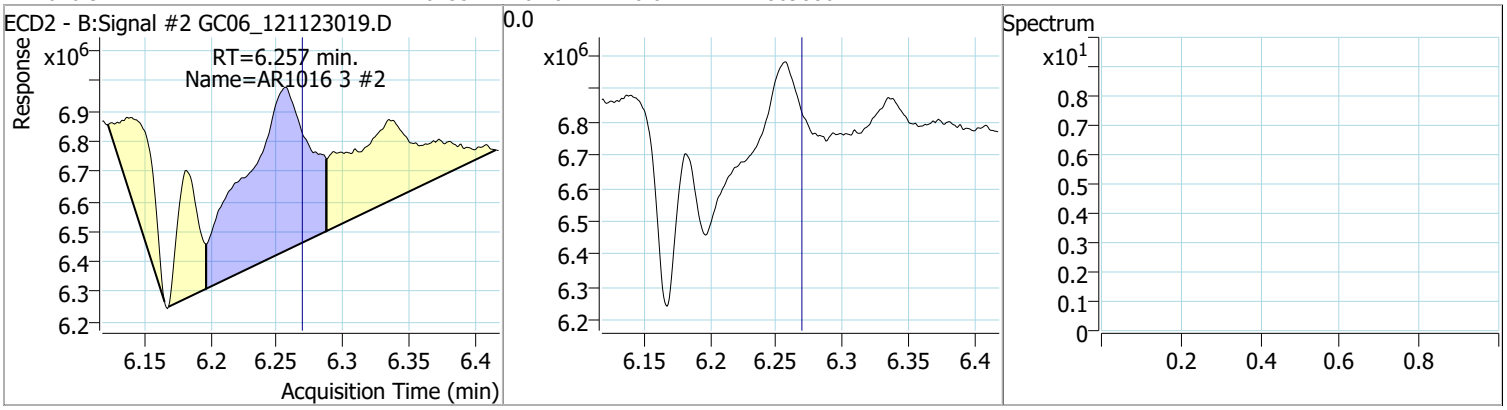

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 2.5772 | 5.80 | -0.02 | 18546 | | | | |



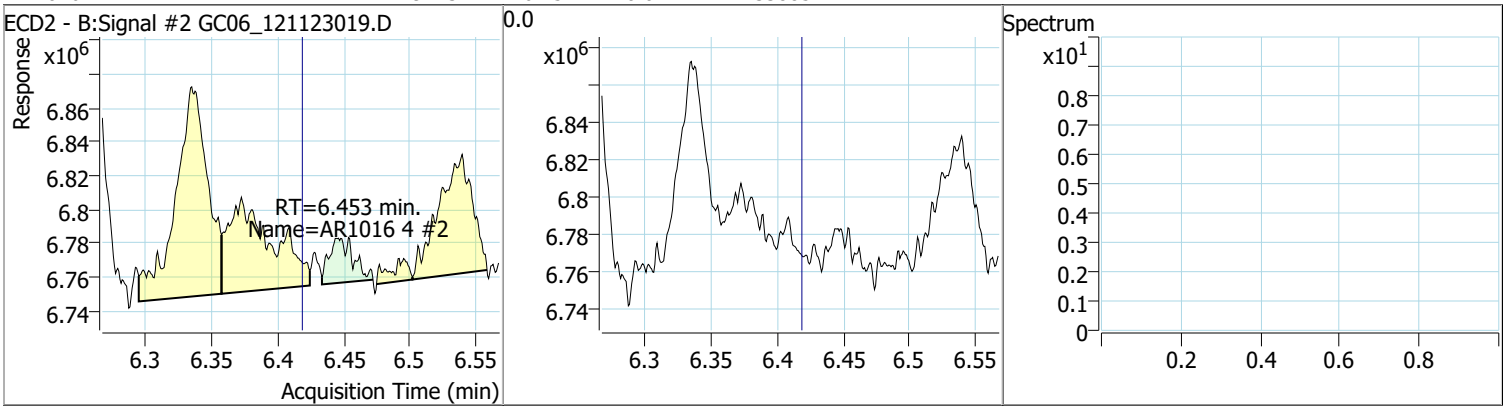
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 13.6405 | 6.23 | 0.01 | 88333 | | | | |



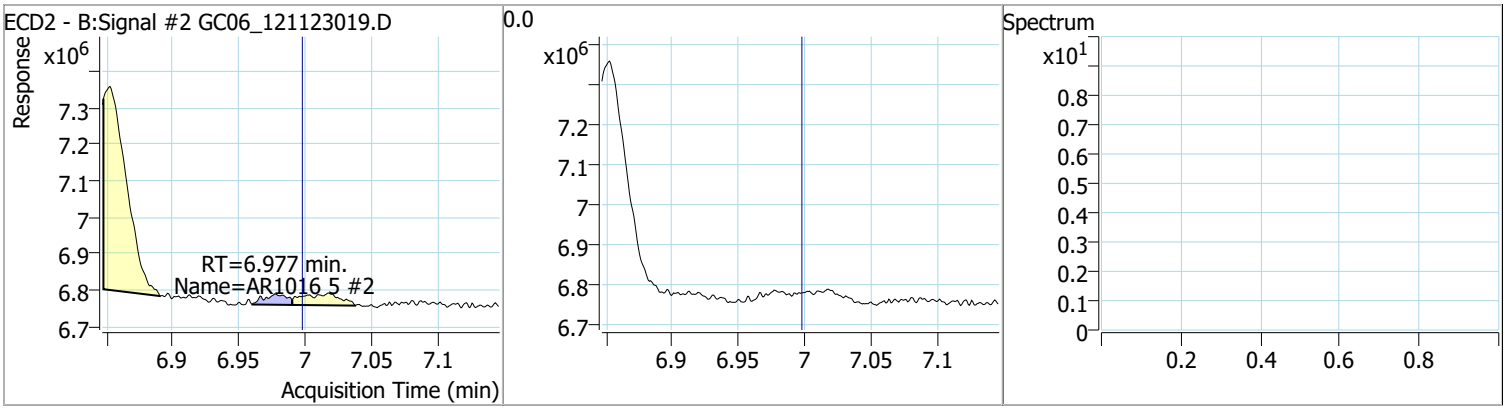

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 71.0755 | 6.26 | -0.01 | 1869886 | | | | |



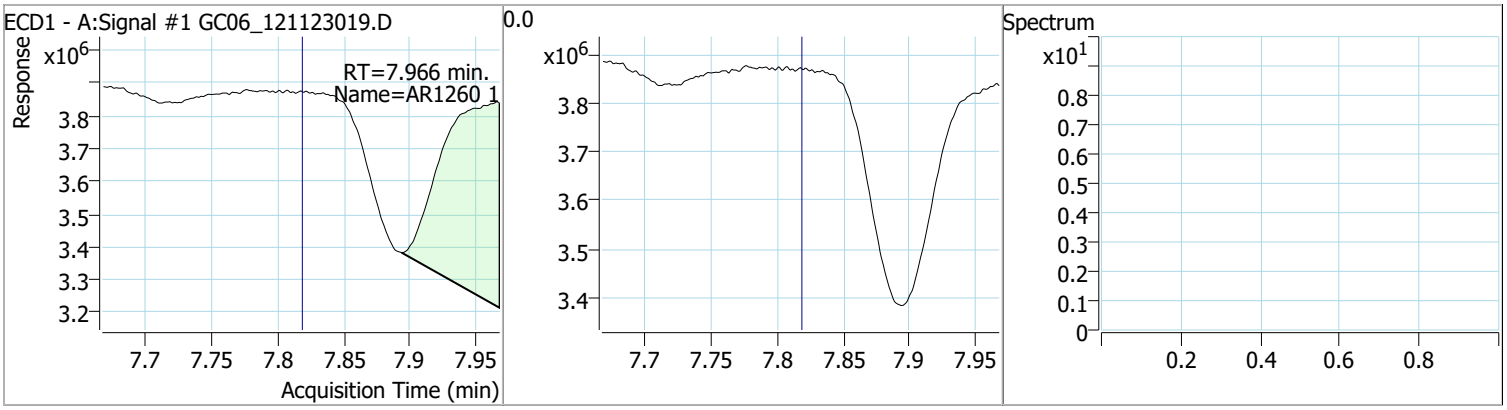

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1.9173 | 6.45 | 0.04 | 33885 | | | | |



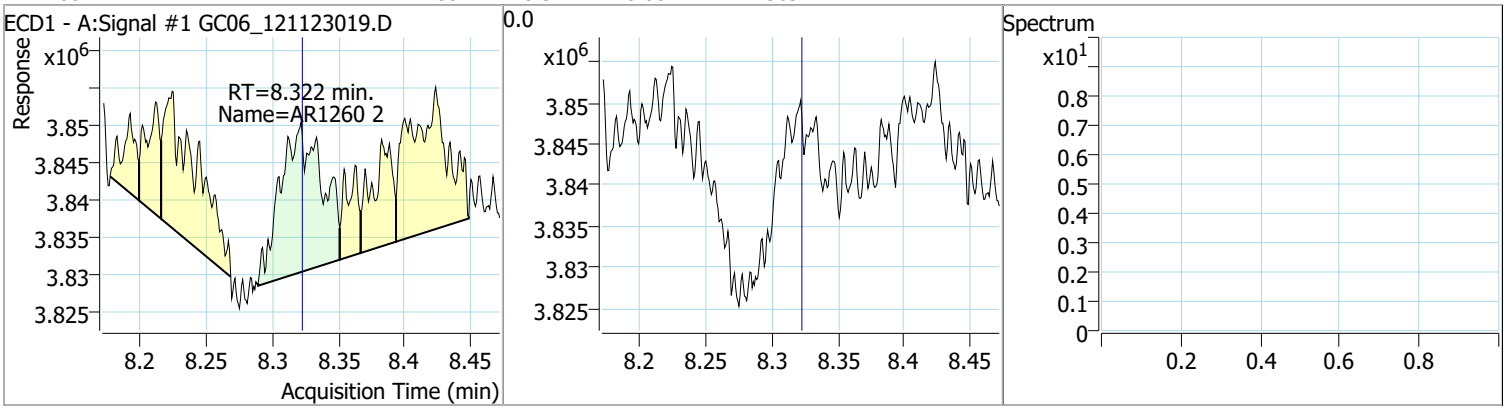

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 2.4151 | 6.98 | -0.02 | 35263 | | | | |



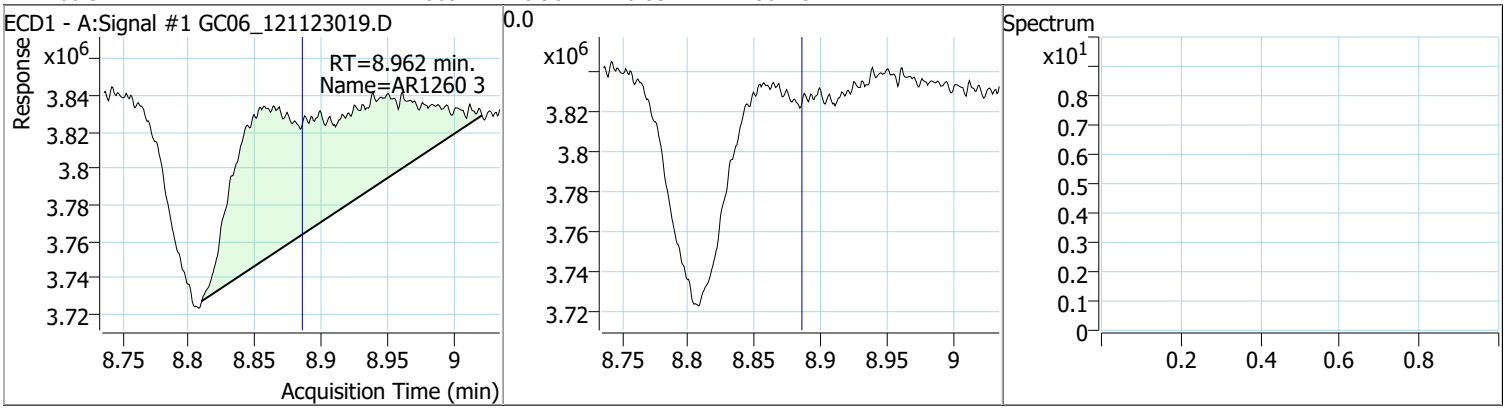
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 135.6961 | 7.97 | 0.15 | 1692134 | | | | |



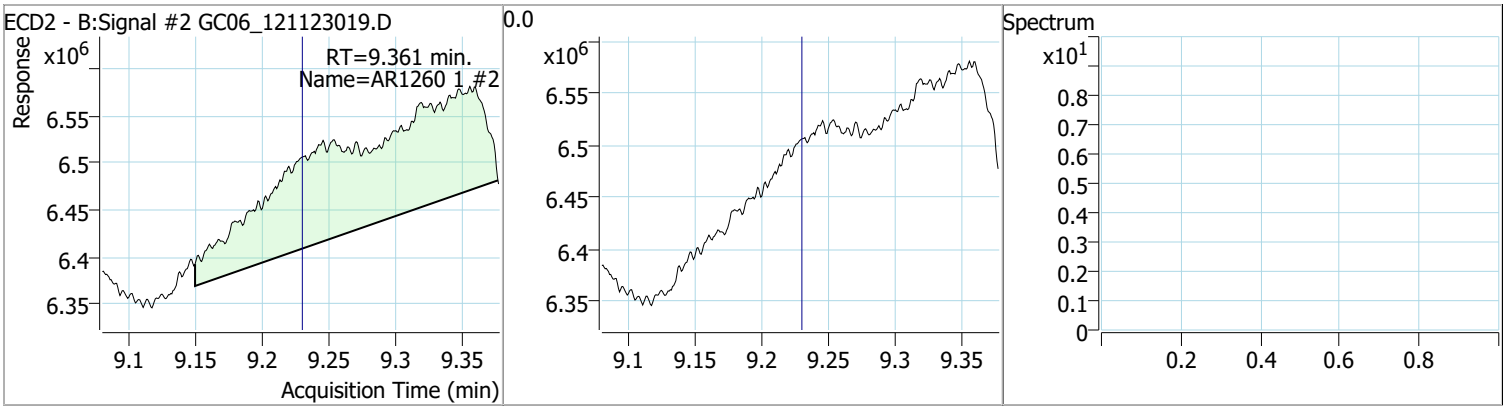

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.2488 | 8.32 | 0.00 | 43697 | | | | |



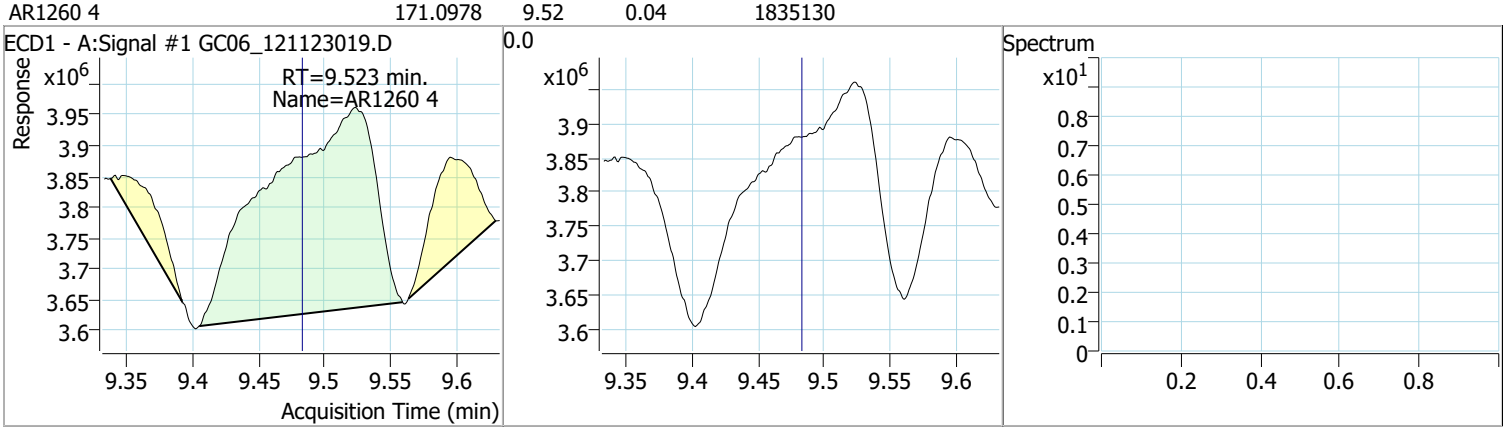

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 27.5657 | 8.96 | 0.08 | 562454 | | | | |



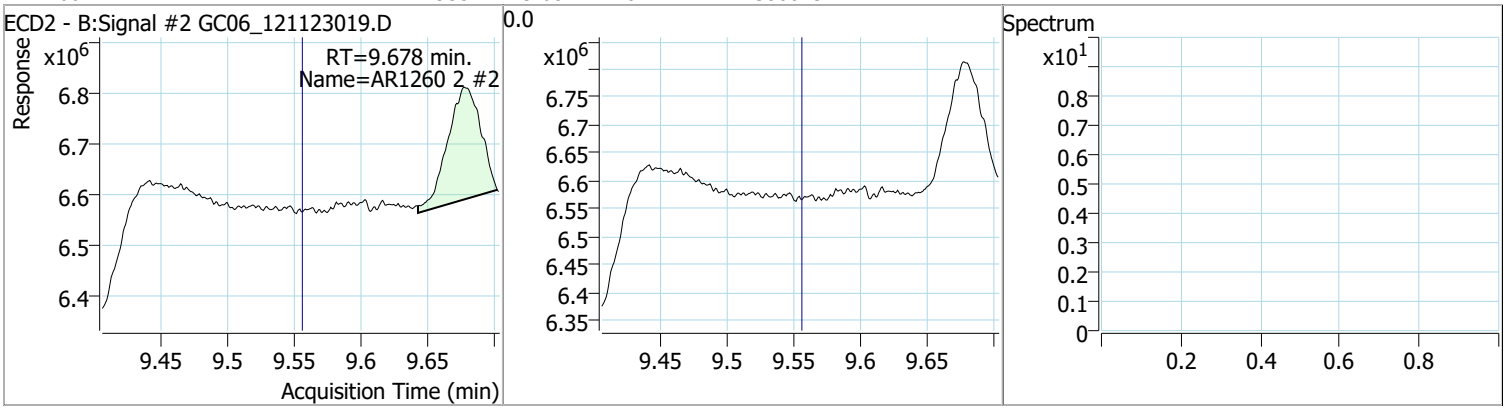

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 40.4466 | 9.36 | 0.13 | 1097091 | | | | |



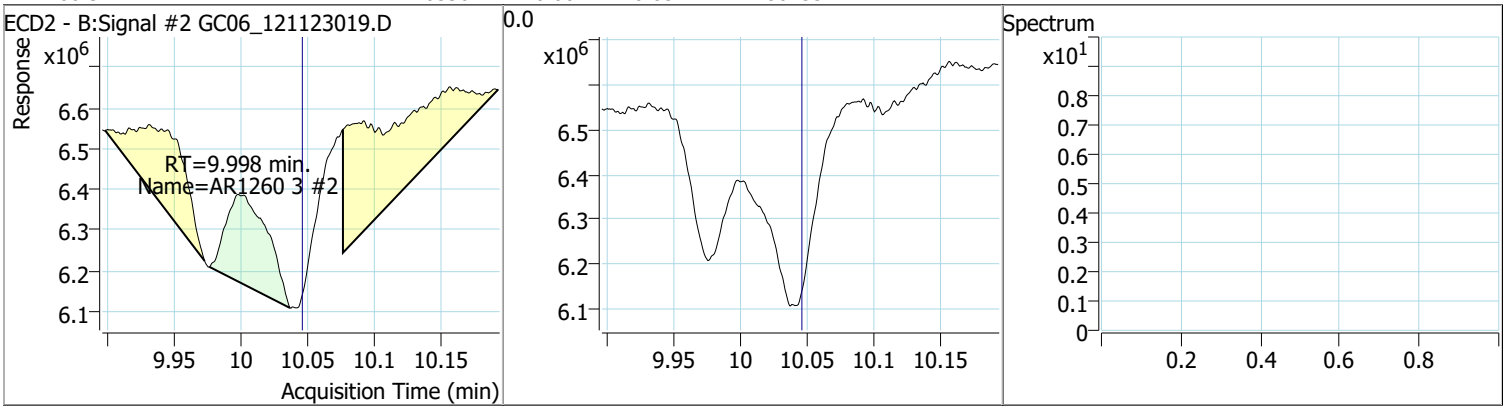
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 171.0978 | 9.52 | 0.04 | 1835130 | | | | |



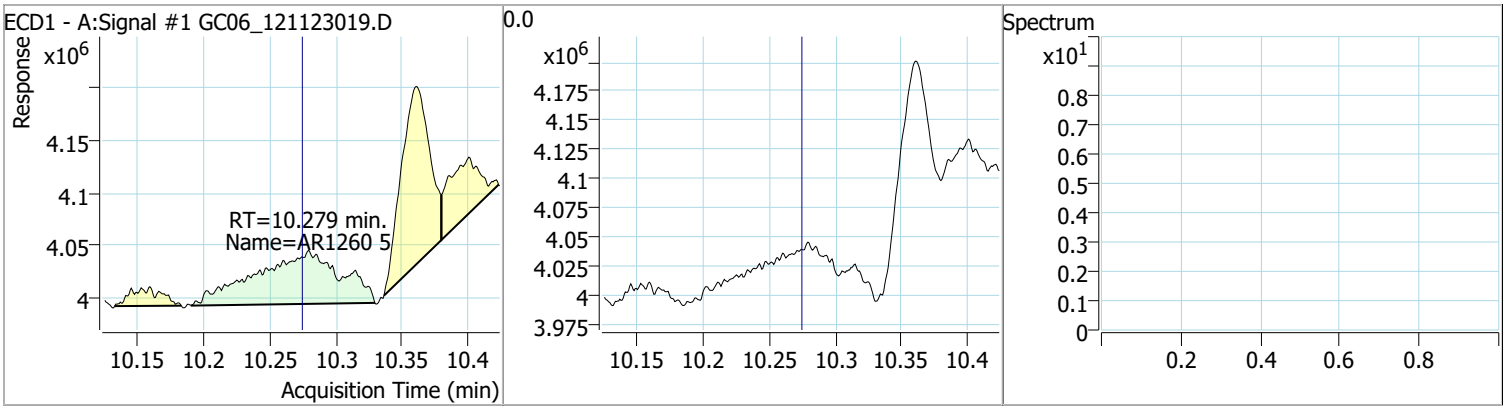

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 11.7955 | 9.68 | 0.12 | 386013 | | | | |



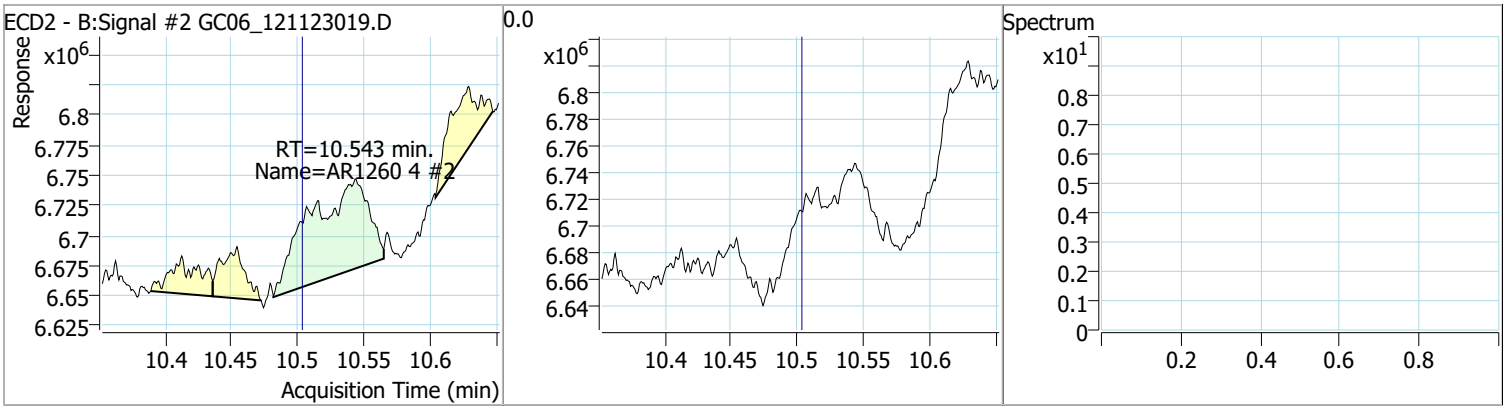

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 11.6536 | 10.00 | -0.05 | 486155 | | | | |



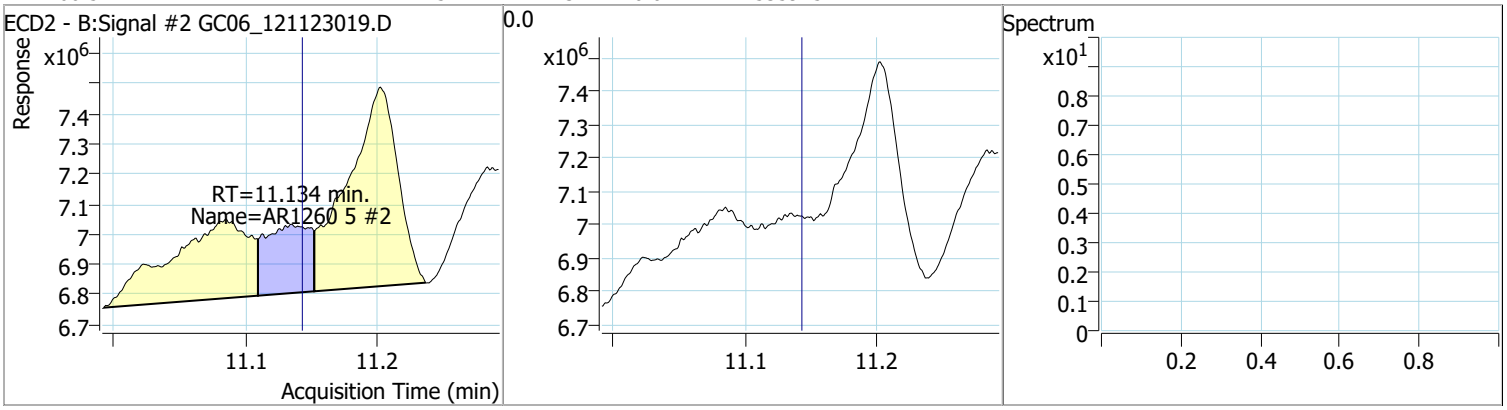

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 16.5392 | 10.28 | 0.00 | 226361 | | | | |



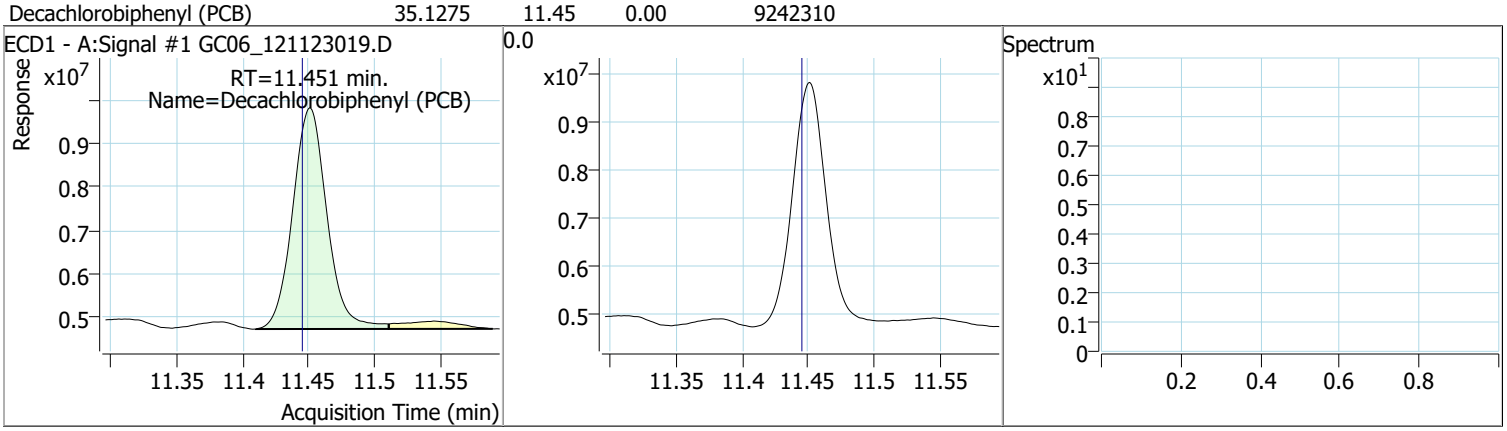
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 9.3891 | 10.54 | 0.04 | 238128 | | | | |



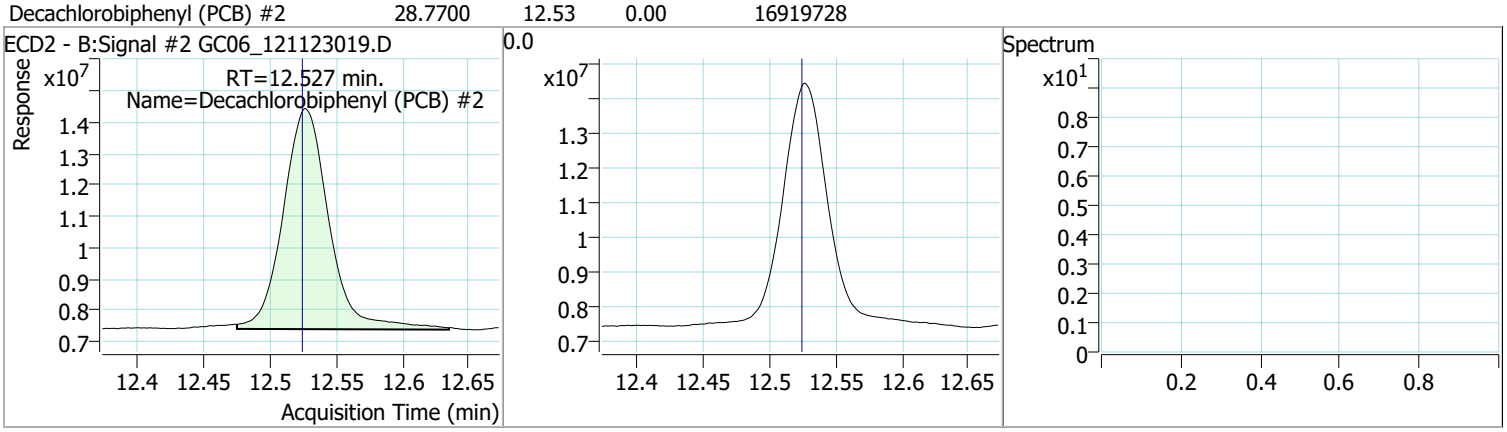

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 14.2574 | 11.13 | -0.01 | 535915 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 35.1275 | 11.45 | 0.00 | 9242310 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 28.7700 | 12.53 | 0.00 | 16919728 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-006 | Client ID: | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-P-LA |
| Seqnum: | 453497606020 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123020 | Batch: | 328150 | Time: | 11-DEC-2023 19:07 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 52.25 | ~~0.52~~ ~~FP~~ | 0.57 | 9% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 116.7 | 1.17 | 1.63 | 33% | | | |
| Aroclor-1016 Peak # 2 | B | 74.96 | 0.75 | 0.54 | 32% | | | |
| Aroclor-1016 Peak # 3 | B | 65.80 | 0.66 | 0.51 | 25% | | | |
| Aroclor-1016 Peak # 4 | B | 1.369 | 0.01 | 0.04 | 106% | | | |
| Aroclor-1016 Peak # 5 | B | 2.460 | 0.02 | 0.13 | 136% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 30.84 | ND | 0.43 | 33% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 101.5 | 1.01 | 0.17 | 142% | | | |
| Aroclor-1260 Peak # 2 | B | 27.84 | 0.28 | 0.03 | 167% | | | |
| Aroclor-1260 Peak # 3 | B | 12.53 | 0.13 | 0.13 | 7% | | | |
| Aroclor-1260 Peak # 4 | B | 3.528 | 0.04 | 1.65 | 192% | | | |
| Aroclor-1260 Peak # 5 | B | 8.799 | 0.09 | 0.18 | 69% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 27.18 | 0.5000 | 0.2718 | 54 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 25.11 | 0.5000 | 0.2511 | 50 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10016089 | 10.53 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4067186 | 2.95 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

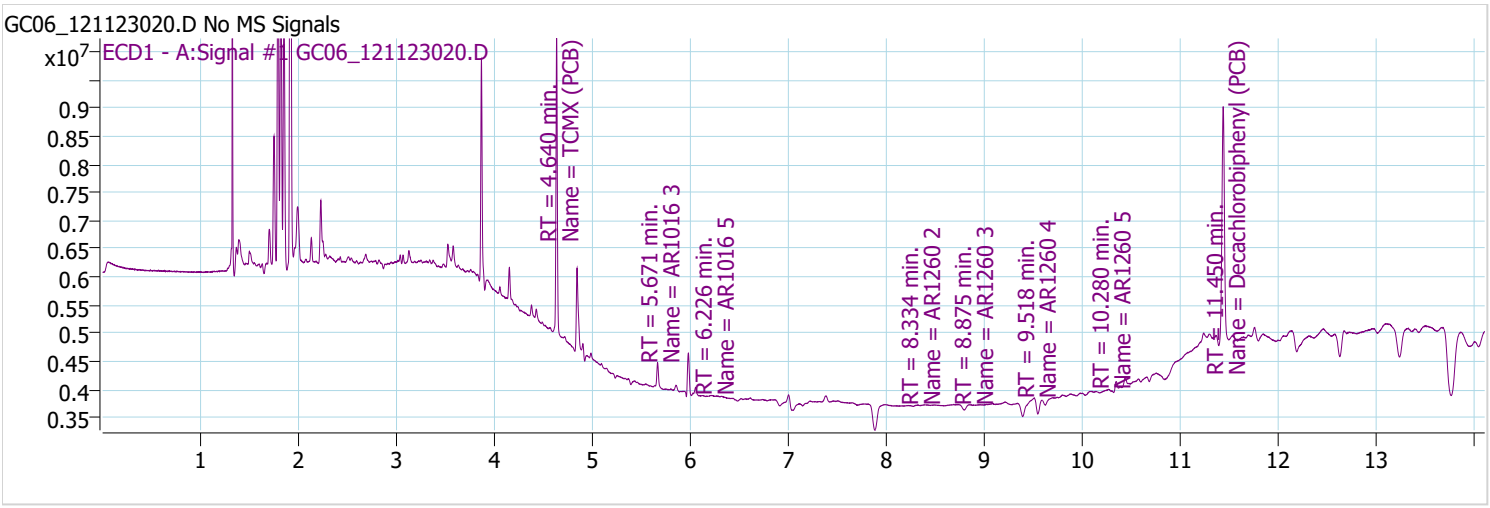
12/12/23 : WIPE/1DM^2-10ML

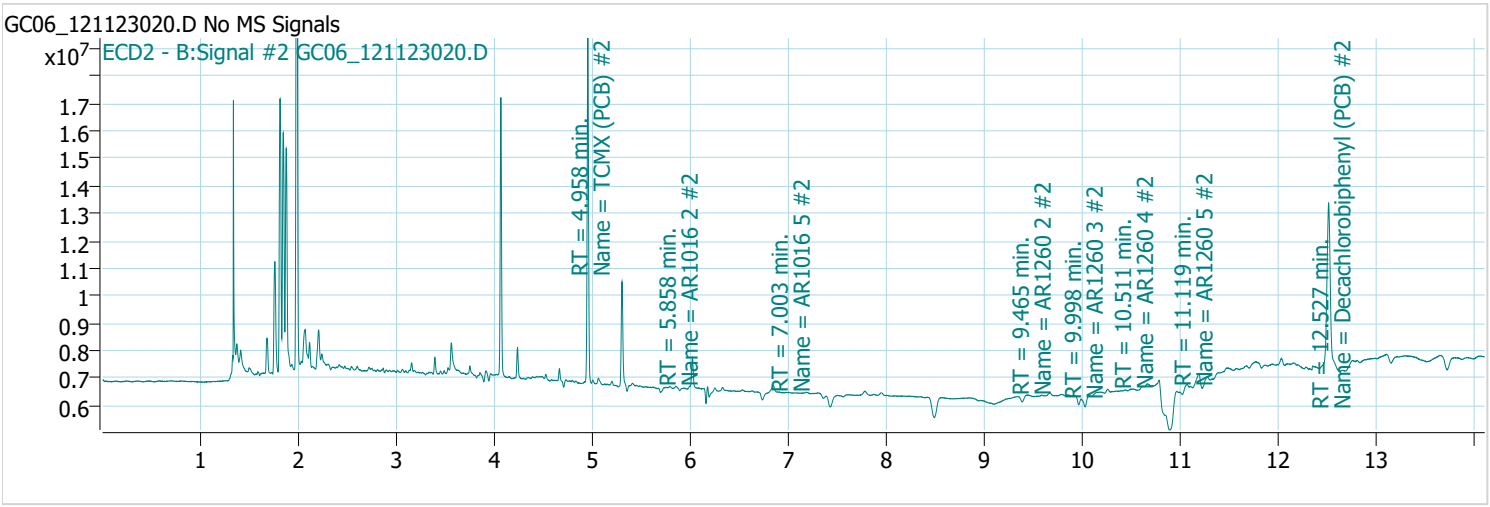
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123020.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 7:07:28 PM |
| Sample Name | 497480-006, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 7 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



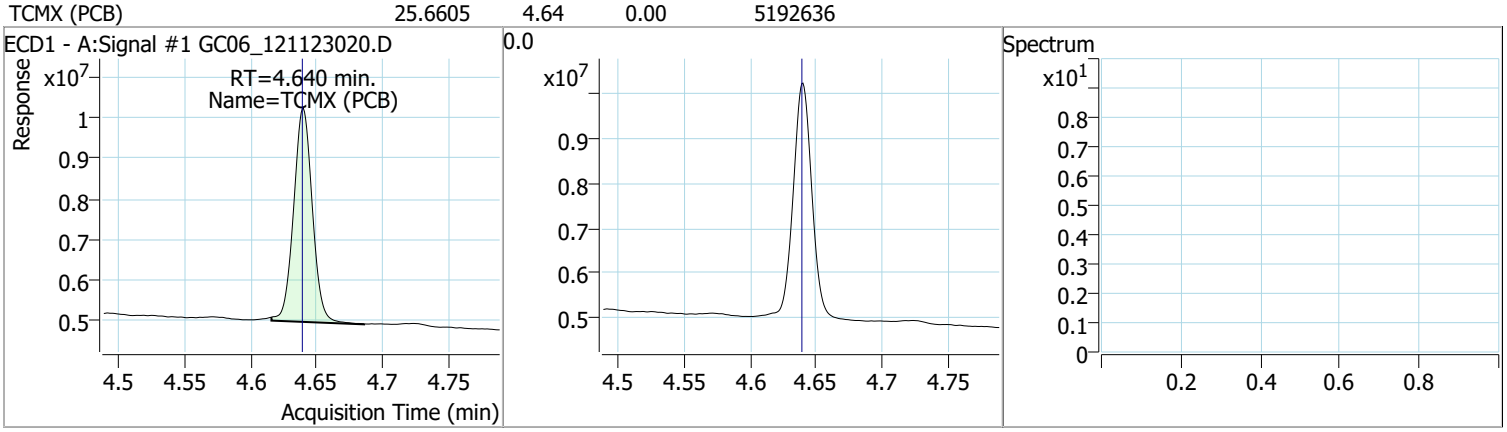




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.872 | 0.0 | 4067185.923 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 10016089.076 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.640 | 0.0 | 5192636.298 | 25.6605 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 128.30% | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 12795786.545 | 27.1776 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 135.89% | | |
| S Decachlorobiphenyl (PCB) | 11.450 | 0.0 | 7726269.068 | 29.7794 | ng/ml | 0.003 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 148.90% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.527 | 0.0 | 14435199.250 | 25.1070 | ng/ml | 0.003 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 125.53% | | |
| **Target Compounds** | | | | | | QValue |

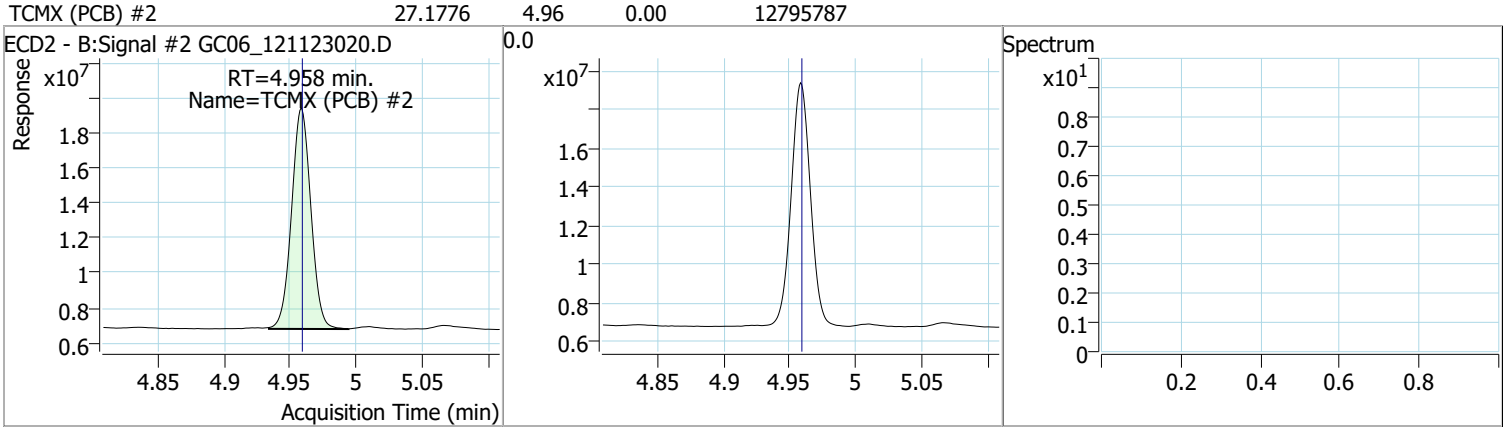
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.991 | 0.0 | 720065.310 | 163.1196 | ng/ml | 100 |
| T AR1016 2 | 5.260 | 0.0 | 478531.923 | 54.0102 | ng/ml | 100 |
| T AR1016 1 #2 | 5.412 | 0.0 | 1080722.010 | 116.6862 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 547175.324 | 51.0311 | ng/ml | 100 |
| T AR1016 2 #2 | 5.858 | 0.0 | 1448948.658 | 74.9641 | ng/ml | 100 |
| T AR1016 4 | 5.807 | 0.0 | 31439.901 | 4.4305 | ng/ml | 100 |
| T AR1016 5 | 6.226 | 0.0 | 82278.835 | 12.8847 | ng/ml | 100 |
| T AR1016 3 #2 | 6.256 | 0.0 | 1692322.389 | 65.7980 | ng/ml | 100 |
| T AR1016 4 #2 | 6.448 | 0.0 | 23653.686 | 1.3690 | ng/ml | 100 |
| T AR1016 5 #2 | 7.003 | 0.0 | 35110.376 | 2.4597 | ng/ml | 100 |
| T AR1260 1 | 7.958 | 0.0 | 210255.376 | 17.0986 | ng/ml | 100 |
| T AR1260 2 | 8.334 | 0.0 | 48738.579 | 2.5436 | ng/ml | 100 |
| T AR1260 3 | 8.875 | 0.0 | 269045.664 | 13.3717 | ng/ml | 100 |
| T AR1260 1 #2 | 9.352 | 0.0 | 2691359.915 | 101.4931 | ng/ml | 100 |
| T AR1260 4 | 9.518 | 0.0 | 1740274.746 | 164.5414 | ng/ml | 100 |
| T AR1260 2 #2 | 9.465 | 0.0 | 890659.622 | 27.8387 | ng/ml | 100 |
| T AR1260 3 #2 | 9.998 | 0.0 | 511020.162 | 12.5300 | ng/ml | 100 |
| T AR1260 5 | 10.280 | 0.0 | 245152.546 | 18.1647 | ng/ml | 100 |
| T AR1260 4 #2 | 10.511 | 0.0 | 87482.419 | 3.5282 | ng/ml | 100 |
| T AR1260 5 #2 | 11.119 | 0.0 | 323332.875 | 8.7987 | ng/ml | 100 |

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

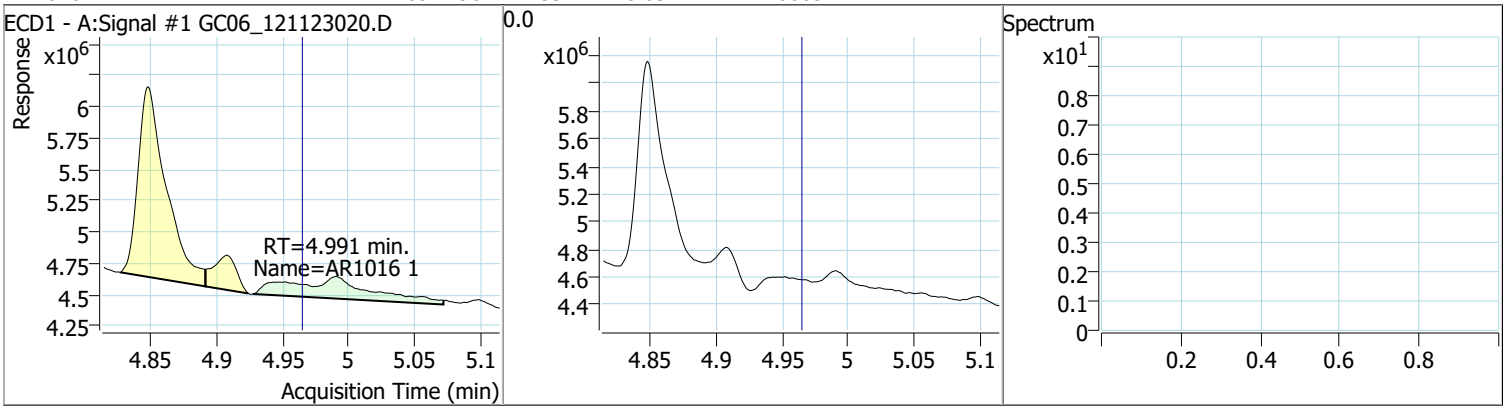
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 25.6605 | 4.64 | 0.00 | 5192636 | | | | |



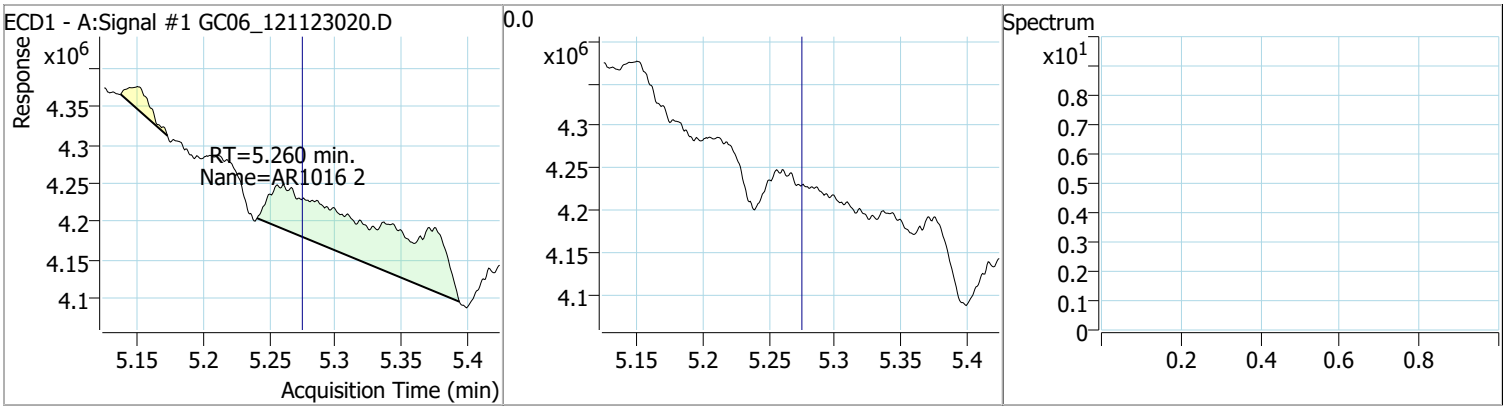

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 27.1776 | 4.96 | 0.00 | 12795787 | | | | |



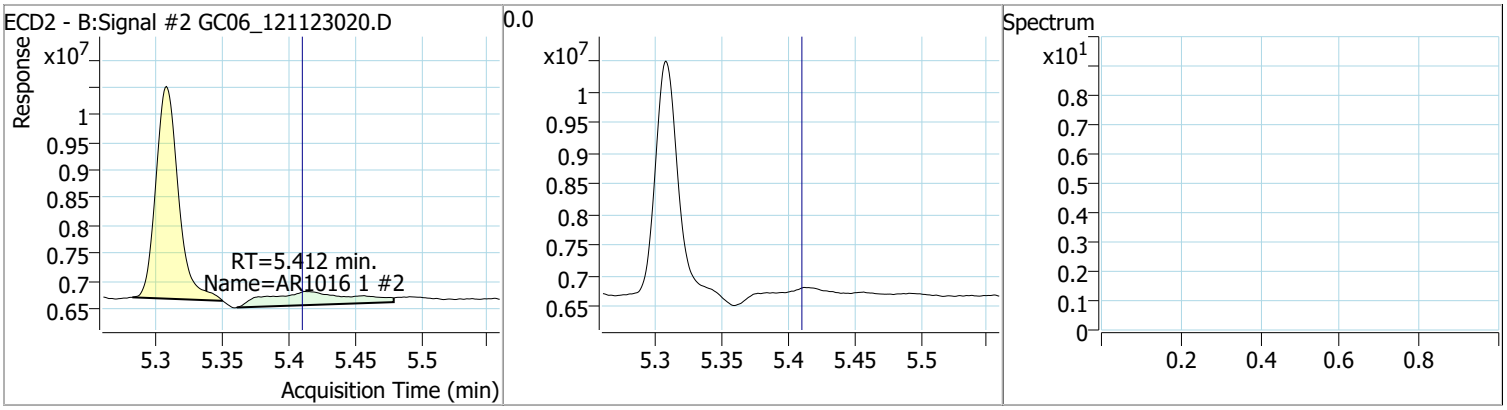

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 163.1196 | 4.99 | 0.03 | 720065 | | | | |



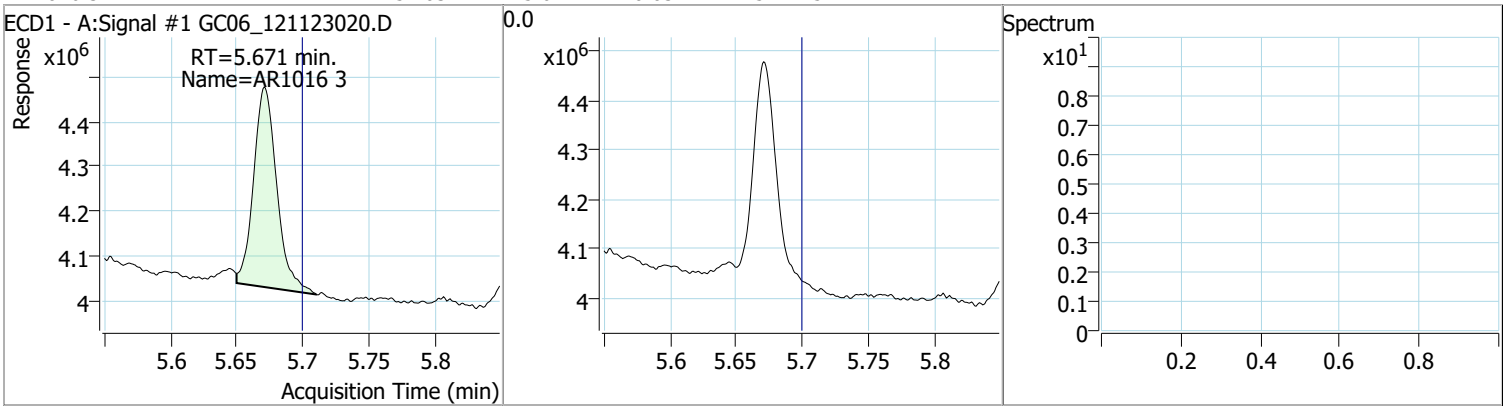

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 54.0102 | 5.26 | -0.01 | 478532 | | | | |



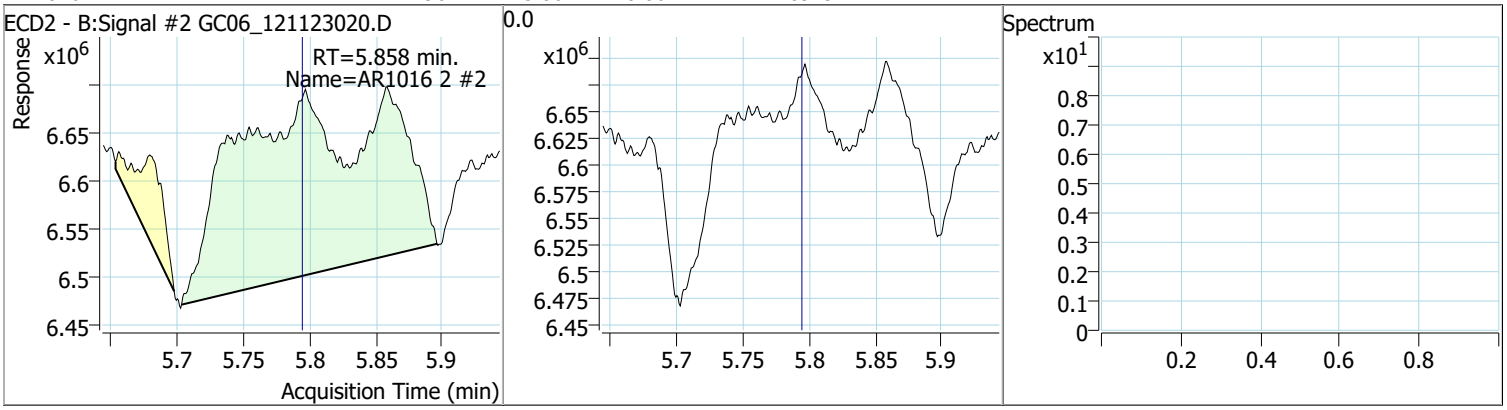
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 116.6862 | 5.41 | 0.00 | 1080722 | | | | |



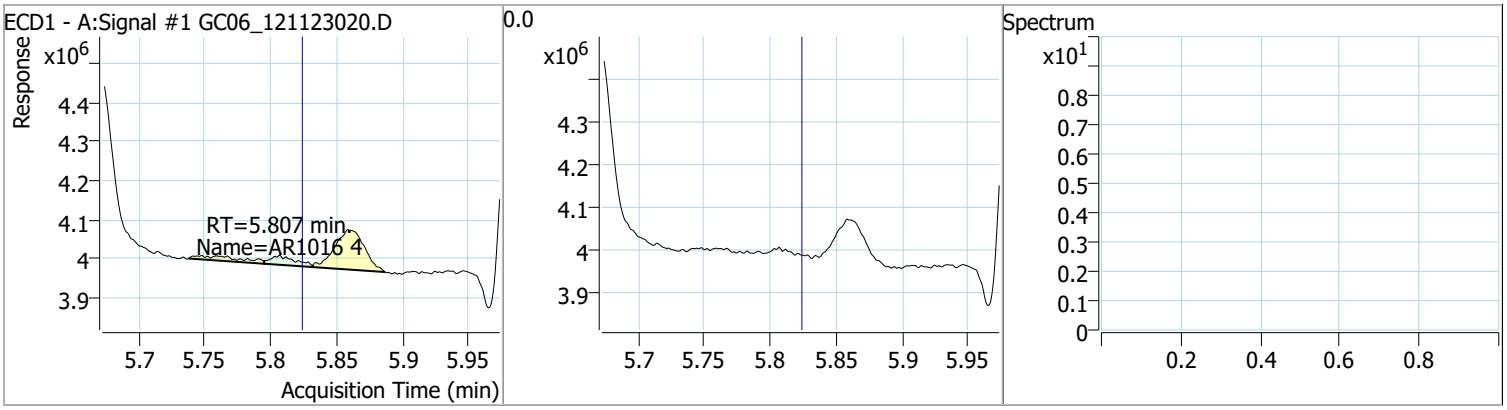

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 51.0311 | 5.67 | -0.03 | 547175 | | | | |



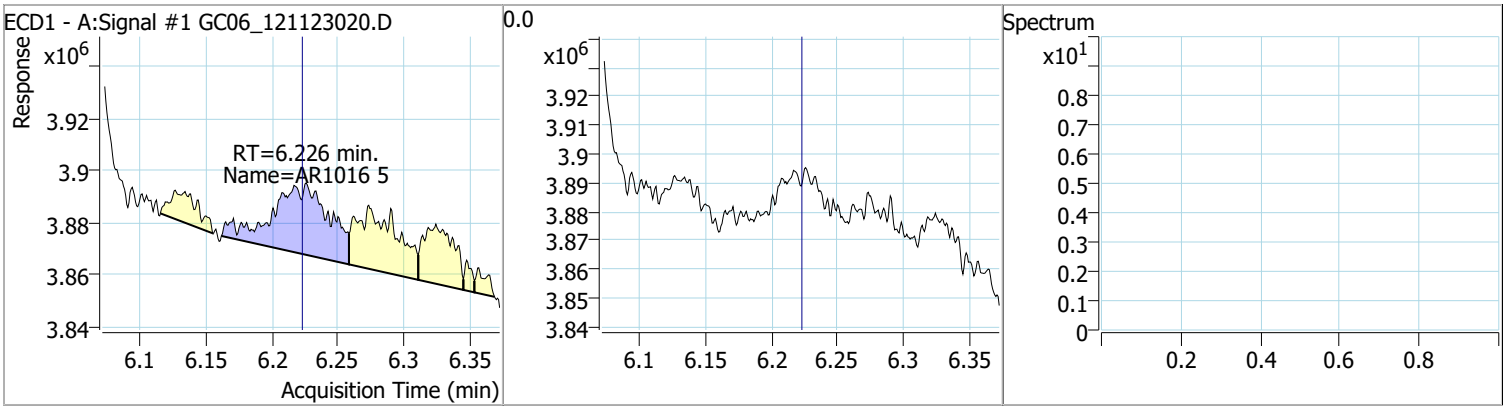

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 74.9641 | 5.86 | 0.06 | 1448949 | | | | |



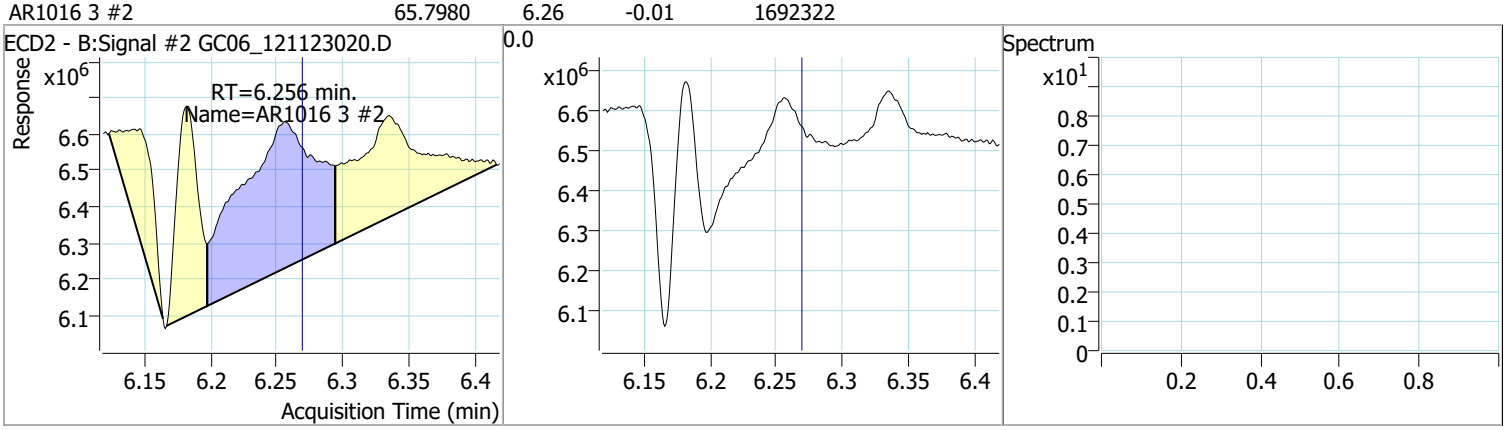

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 4.4305 | 5.81 | -0.02 | 31440 | | | | |



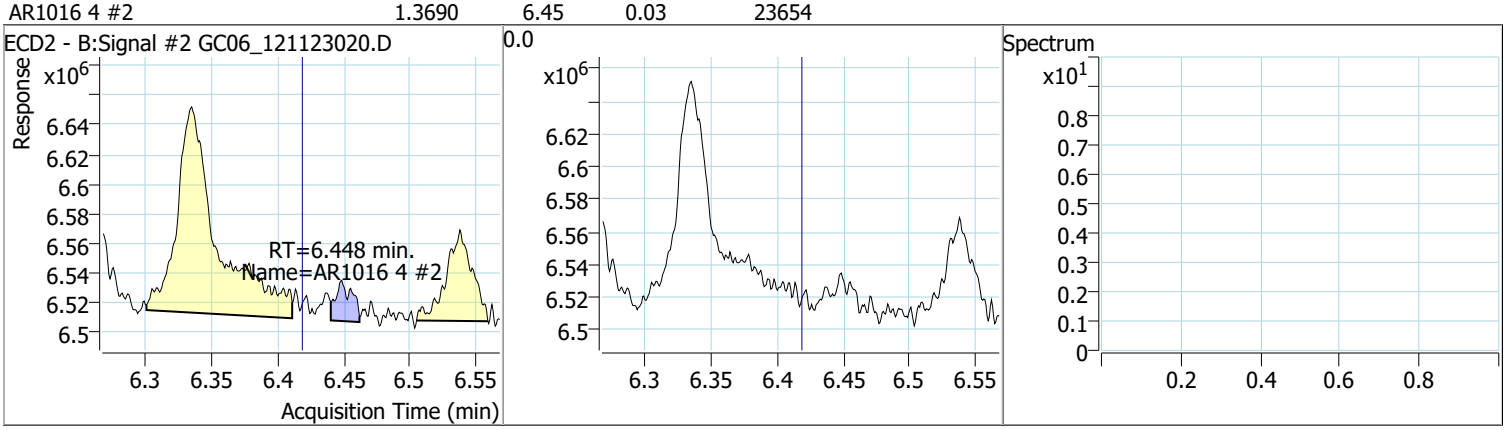
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 12.8847 | 6.23 | 0.00 | 82279 | | | | |



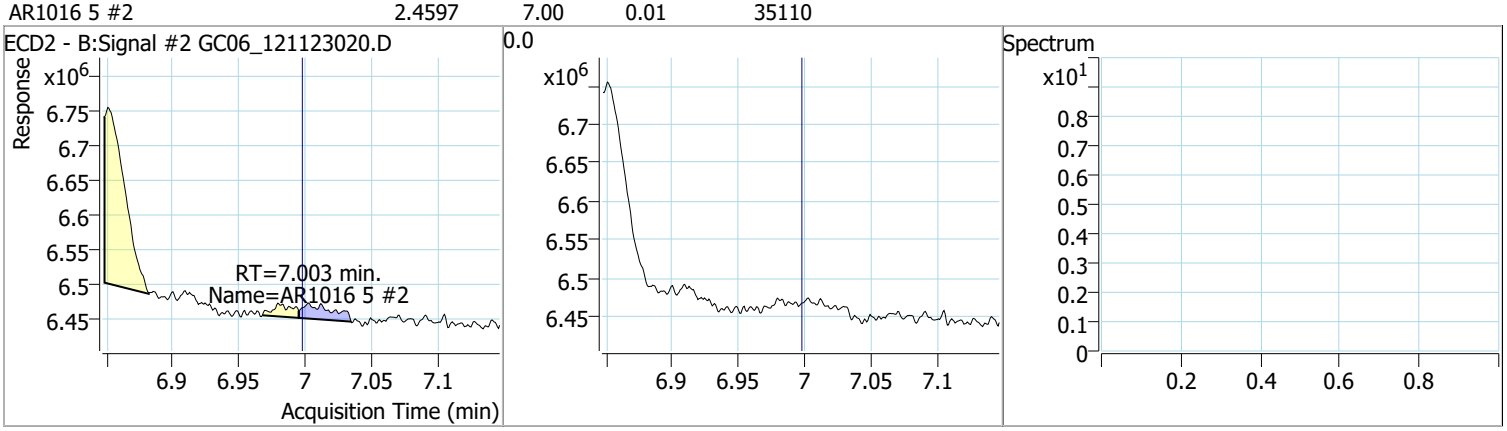

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 65.7980 | 6.26 | -0.01 | 1692322 | | | | |



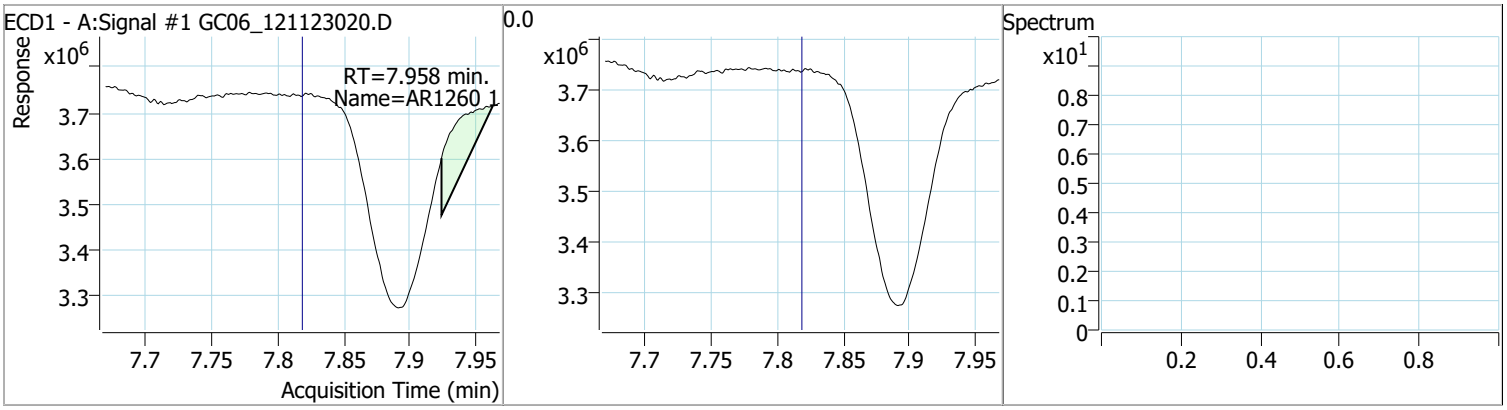

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1.3690 | 6.45 | 0.03 | 23654 | | | | |



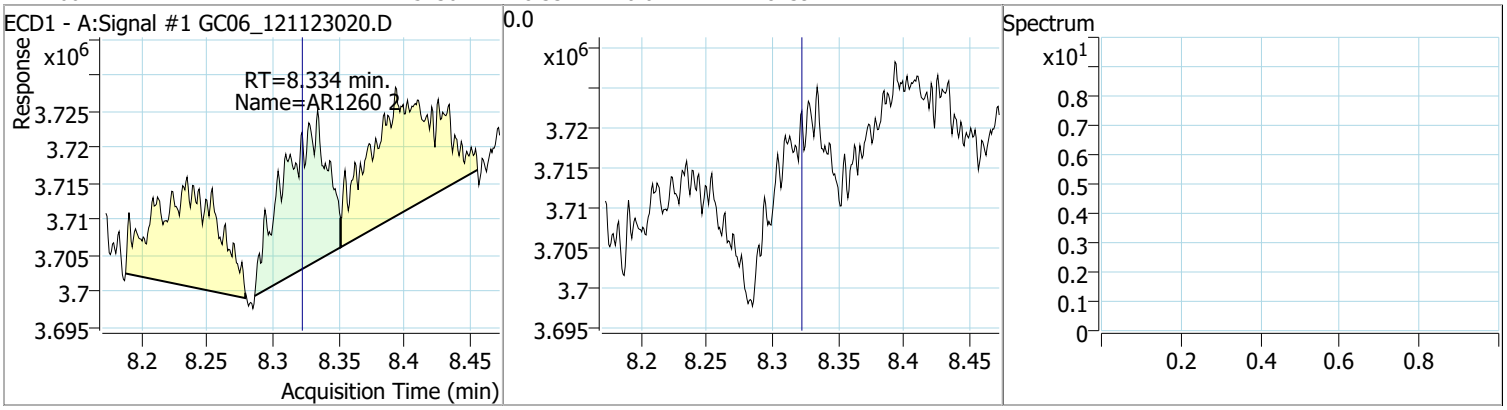

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 2.4597 | 7.00 | 0.01 | 35110 | | | | |



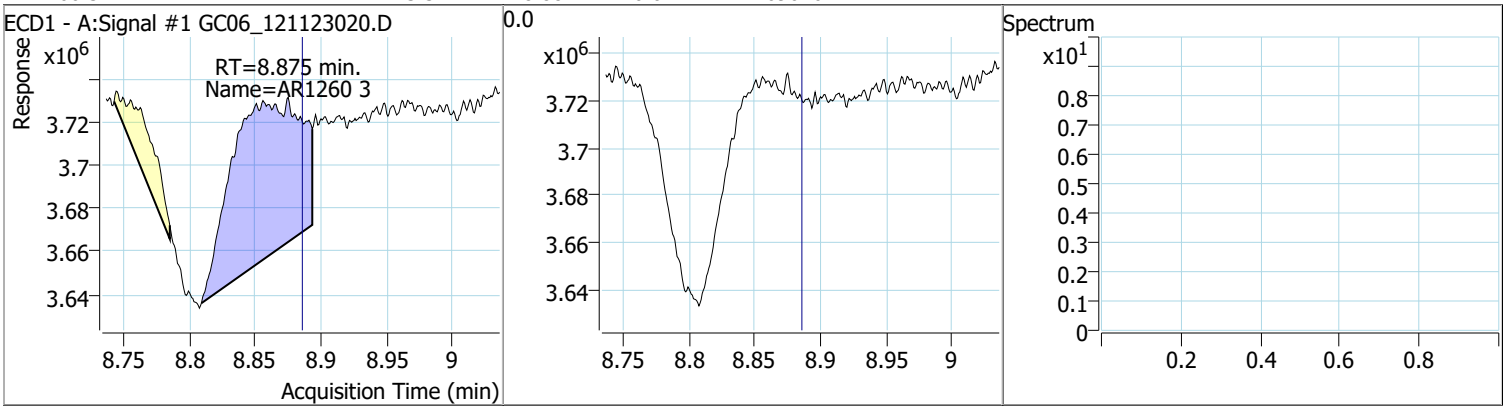
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 17.0986 | 7.96 | 0.14 | 210255 | | | | |



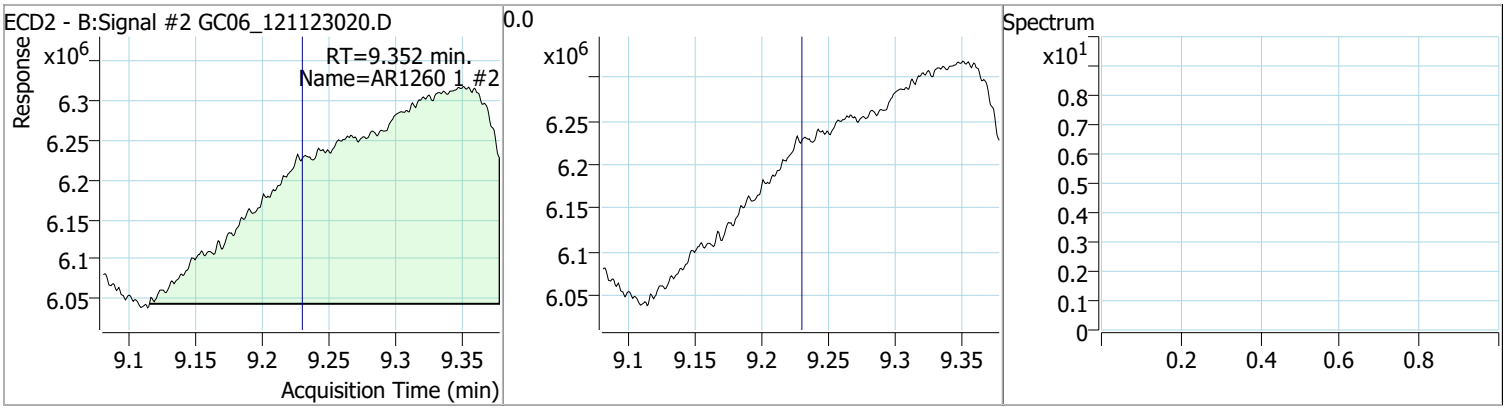

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.5436 | 8.33 | 0.01 | 48739 | | | | |



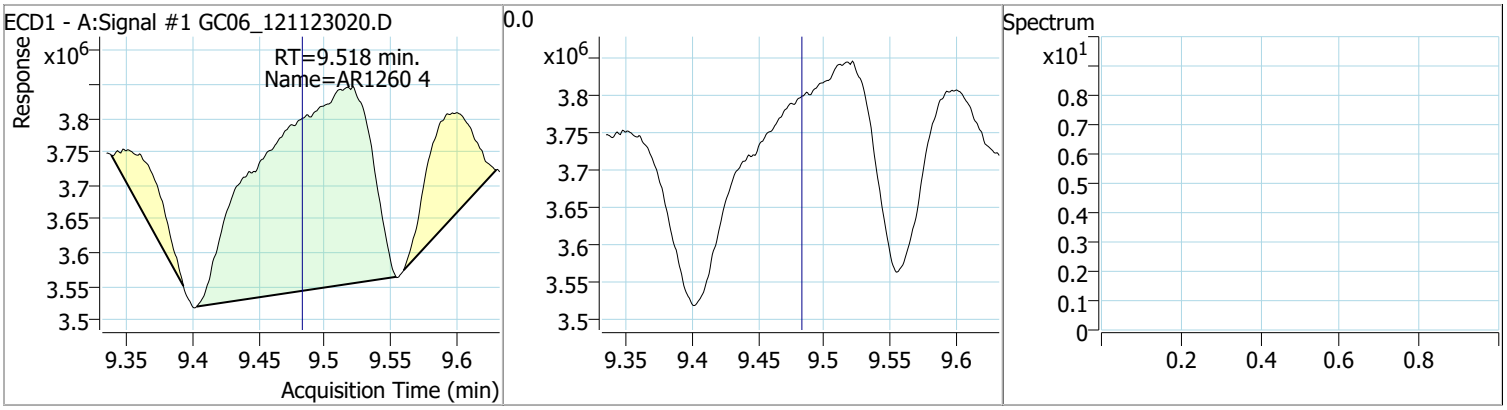

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 13.3717 | 8.88 | -0.01 | 269046 | | | | |



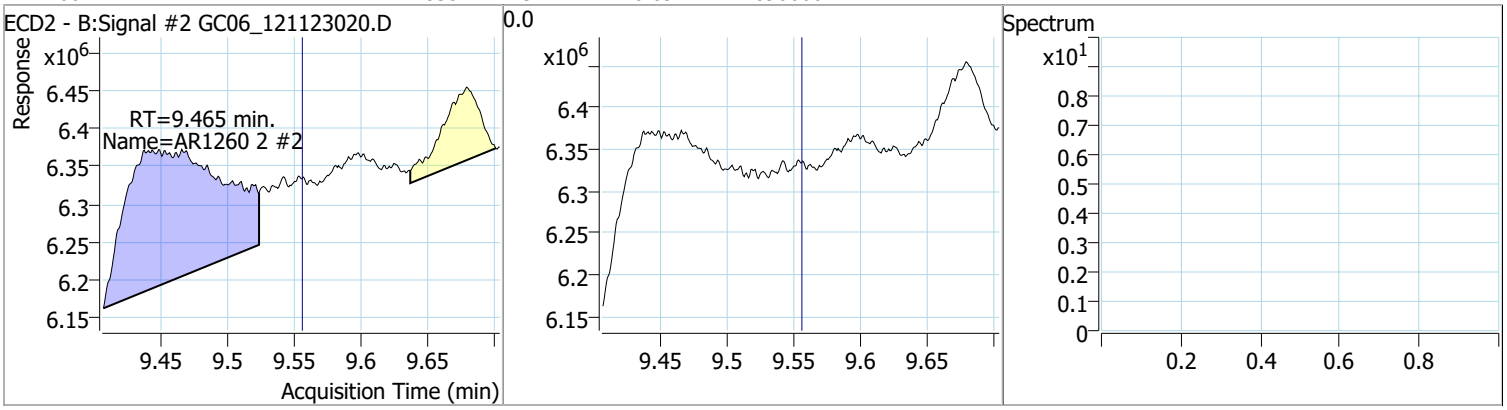

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 101.4931 | 9.35 | 0.12 | 2691360 | | | | |



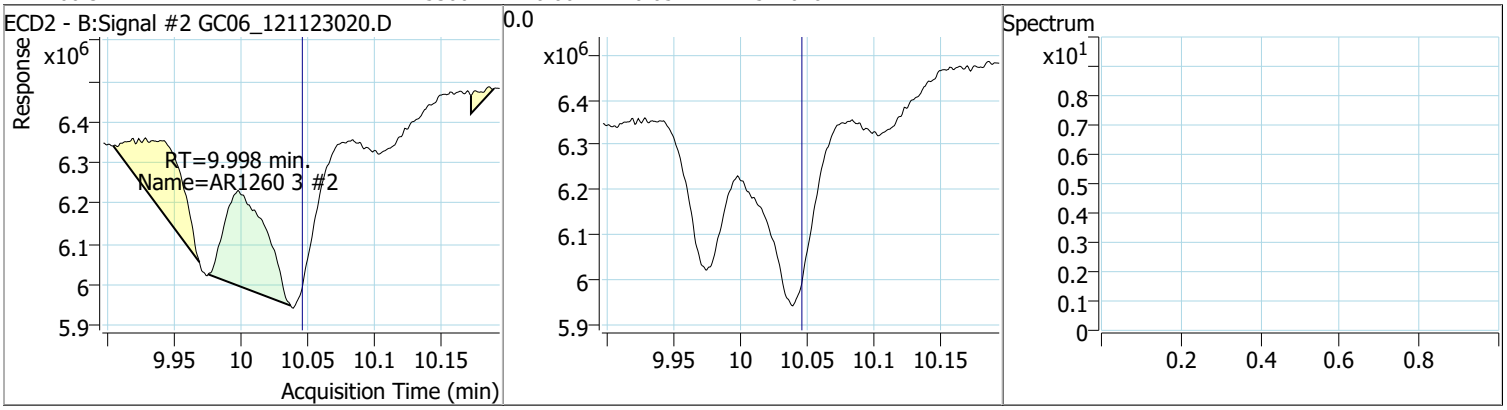
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 164.5414 | 9.52 | 0.03 | 1740275 | | | | |



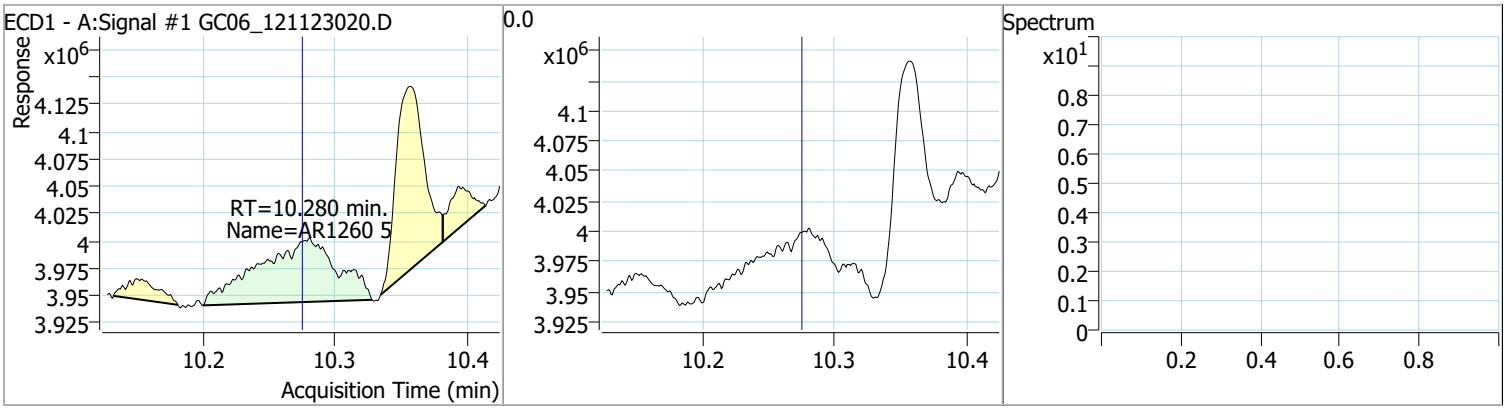

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 27.8387 | 9.47 | -0.09 | 890660 | | | | |



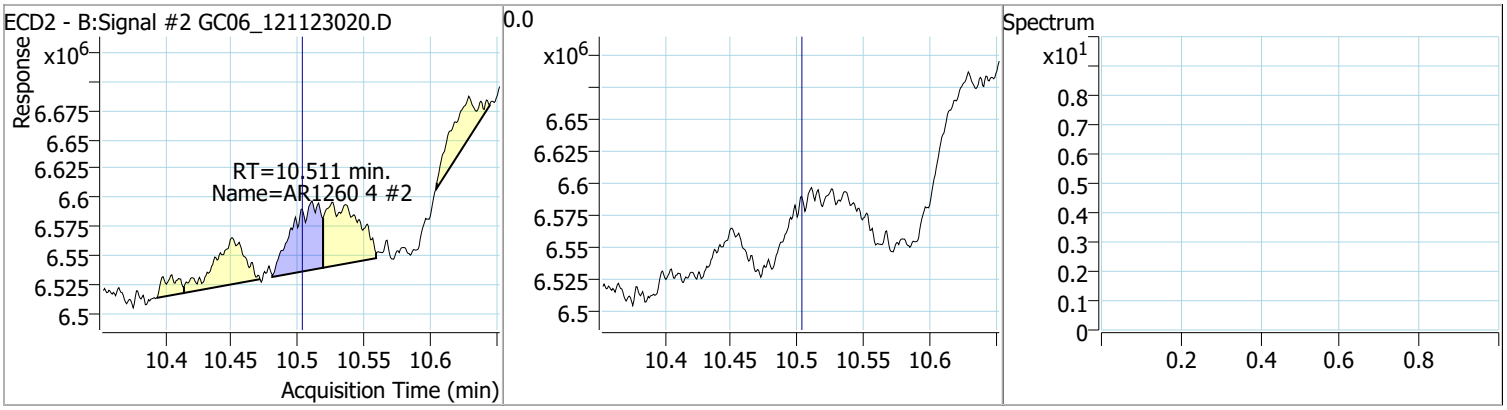

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 12.5300 | 10.00 | -0.05 | 511020 | | | | |



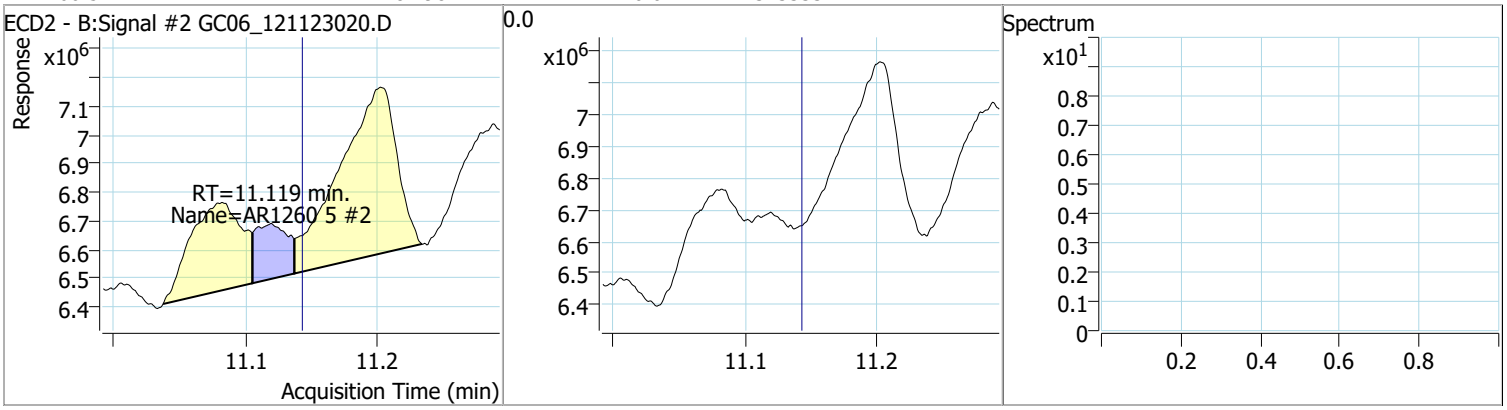

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 18.1647 | 10.28 | 0.00 | 245153 | | | | |



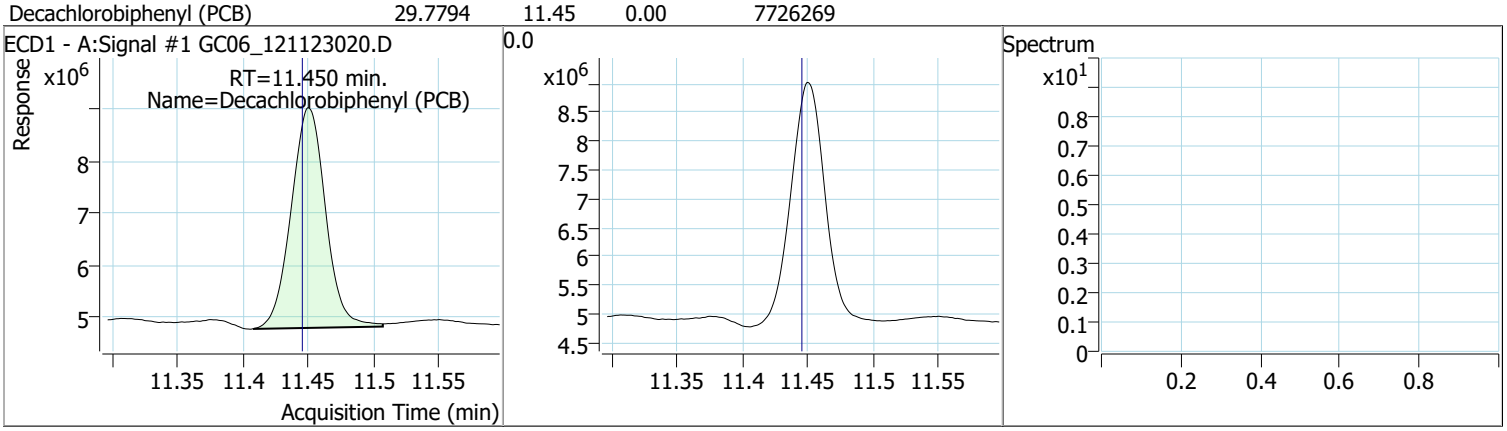
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 3.5282 | 10.51 | 0.01 | 87482 | | | | |



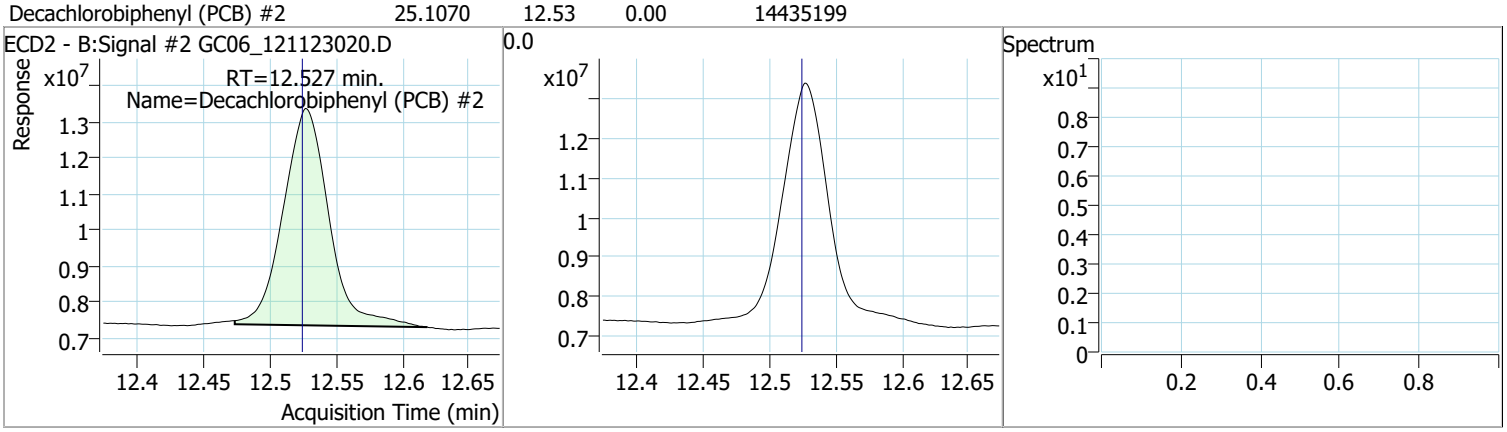

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 8.7987 | 11.12 | -0.02 | 323333 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 29.7794 | 11.45 | 0.00 | 7726269 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.1070 | 12.53 | 0.00 | 14435199 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-008 | Client ID: | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-P-WF |
| Seqnum: | 453497606021 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123021 | Batch: | 328150 | Time: | 11-DEC-2023 19:26 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 66.45 | ~~0.66~~ ~~FP~~ | 1.1 | 53% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 166.0 | 1.66 | 3.47 | 71% | | | |
| Aroclor-1016 Peak # 2 | B | 81.85 | 0.82 | 0.95 | 15% | | | |
| Aroclor-1016 Peak # 3 | B | 81.94 | 0.82 | 1.20 | 38% | | | |
| Aroclor-1016 Peak # 4 | B | 0.7557 | 0.01 | ND | | | | |
| Aroclor-1016 Peak # 5 | B | 1.704 | 0.02 | 0.13 | 152% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 31.97 | ND | 0.80 | 85% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 8.095 | 0.08 | 1.59 | 181% | | | |
| Aroclor-1260 Peak # 2 | B | 39.00 | 0.39 | 0.01 | 190% | | | |
| Aroclor-1260 Peak # 3 | B | 12.13 | 0.12 | 0.26 | 74% | | | |
| Aroclor-1260 Peak # 4 | B | 4.370 | 0.04 | 1.87 | 191% | | | |
| Aroclor-1260 Peak # 5 | B | 96.24 | 0.96 | 0.25 | 118% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 28.19 | 0.5000 | 0.2819 | 56 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 23.98 | 0.5000 | 0.2398 | 48 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 9033495 | -0.31 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 3533291 | -10.56 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

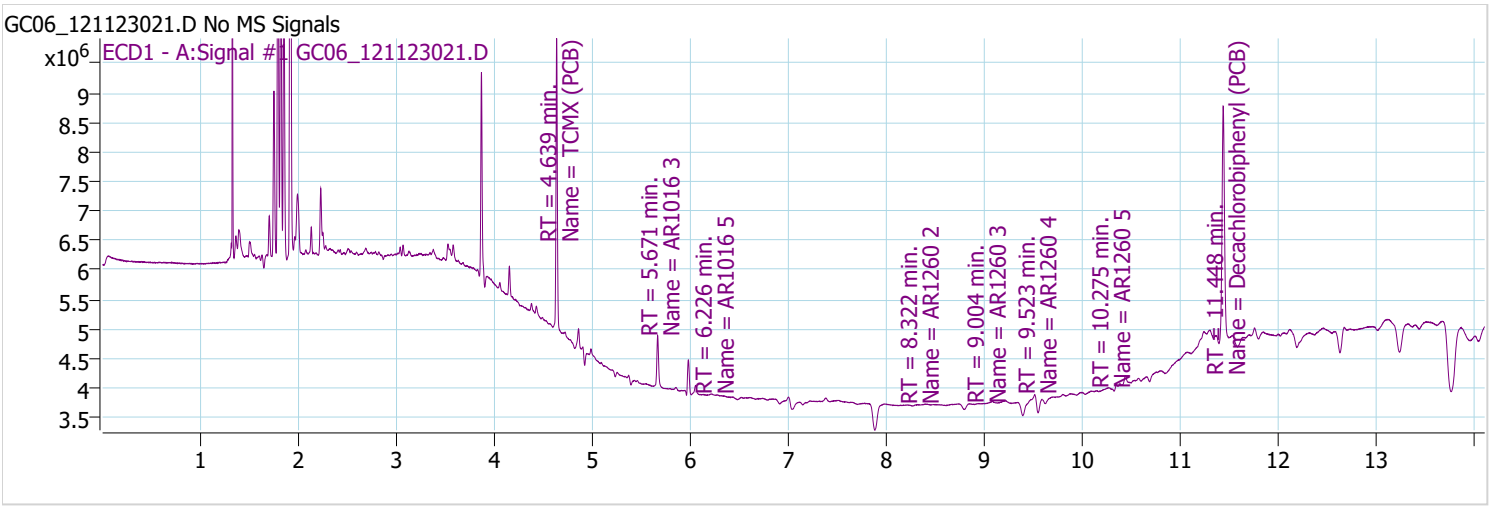
12/12/23 : WIPE/1DM^2-10ML

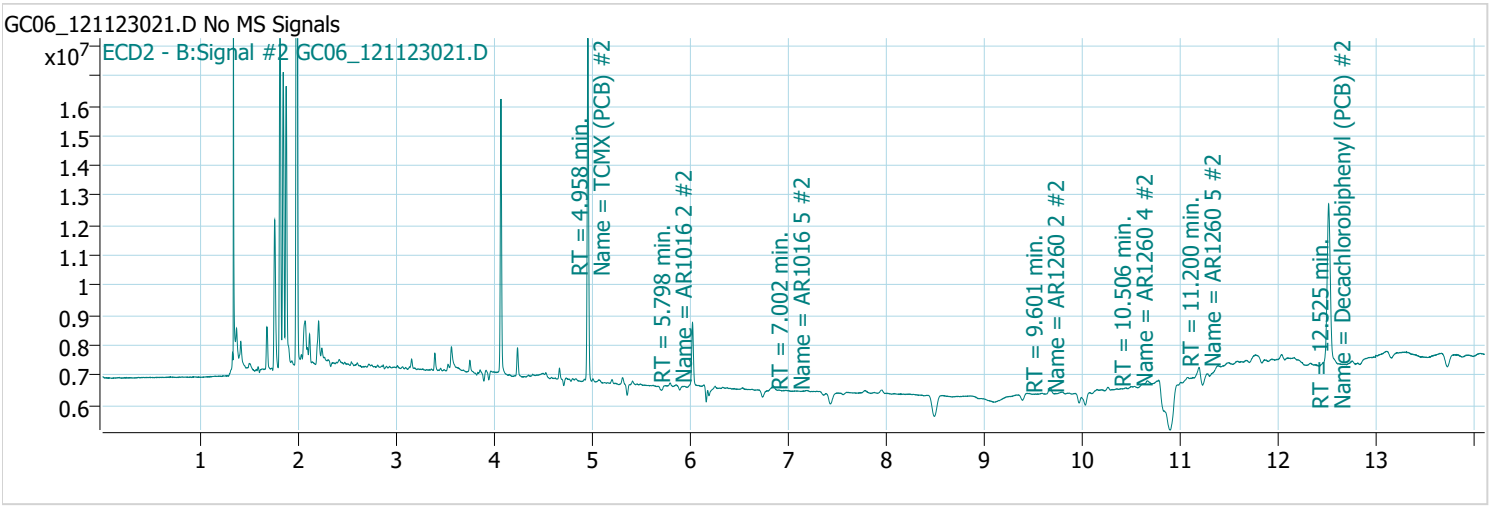
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123021.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 7:26:46 PM |
| Sample Name | 497480-008, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 8 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



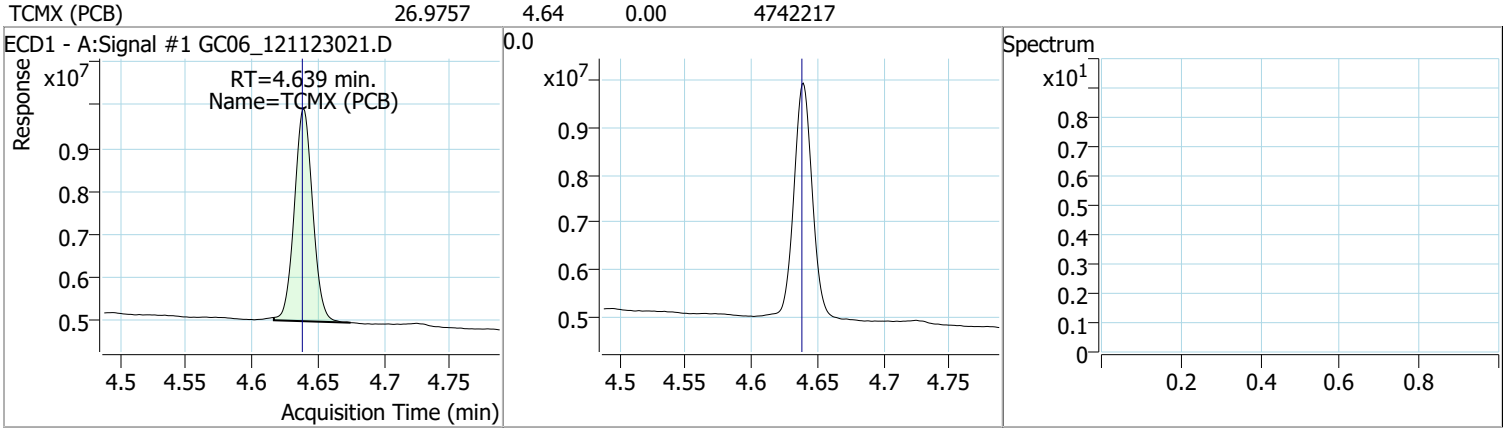




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.871 | 0.0 | 3533291.241 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 9033495.334 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 4742217.005 | 26.9757 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 134.88% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 11971411.576 | 28.1923 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 140.96% | | | |
| S Decachlorobiphenyl (PCB) | 11.448 | 0.0 | 7342103.141 | 32.5747 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 162.87% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.525 | 0.0 | 12434629.750 | 23.9799 | ng/ml | | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 119.90% | | | |
| **Target Compounds** | | | | | | | QValue |

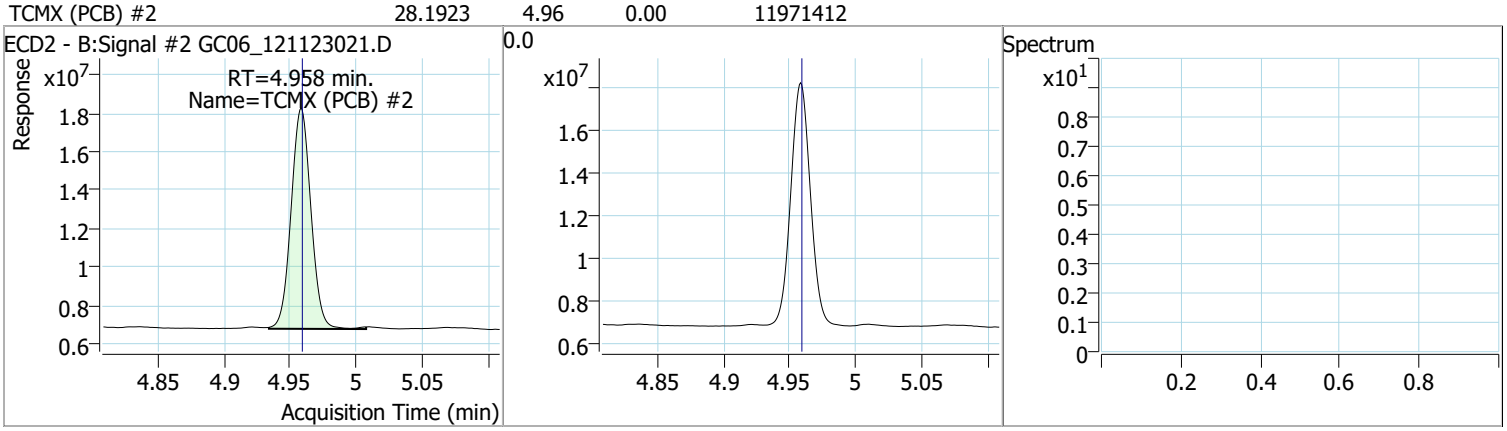
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.992 | 0.0 | 1330404.832 | 346.9226 | ng/ml | 100 |
| T AR1016 2 | 5.256 | 0.0 | 730098.584 | 94.8552 | ng/ml | 100 |
| T AR1016 1 #2 | 5.414 | 0.0 | 1386511.665 | 165.9860 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 1117582.891 | 119.9784 | ng/ml | 100 |
| T AR1016 2 #2 | 5.798 | 0.0 | 1426786.073 | 81.8468 | ng/ml | 100 |
| T AR1016 4 | 0.000 | | 0 | N.D. | | |
| T AR1016 5 | 6.226 | 0.0 | 69894.565 | 12.5992 | ng/ml | 100 |
| T AR1016 3 #2 | 6.258 | 0.0 | 1900871.610 | 81.9455 | ng/ml | 100 |
| T AR1016 4 #2 | 6.448 | 0.0 | 11776.502 | 0.7557 | ng/ml | 100 |
| T AR1016 5 #2 | 7.002 | 0.0 | 21932.670 | 1.7036 | ng/ml | 100 |
| T AR1260 1 | 7.963 | 0.0 | 1698669.309 | 159.0141 | ng/ml | 100 |
| T AR1260 2 | 8.322 | 0.0 | 16602.707 | 0.9974 | ng/ml | 100 |
| T AR1260 3 | 9.004 | 0.0 | 460409.696 | 26.3403 | ng/ml | 100 |
| T AR1260 1 #2 | 9.356 | 0.0 | 193606.996 | 8.0952 | ng/ml | 100 |
| T AR1260 4 | 9.523 | 0.0 | 1716853.083 | 186.8552 | ng/ml | 100 |
| T AR1260 2 #2 | 9.601 | 0.0 | 1125283.984 | 38.9979 | ng/ml | 100 |
| T AR1260 3 #2 | 10.000 | 0.0 | 446188.012 | 12.1303 | ng/ml | 100 |
| T AR1260 5 | 10.275 | 0.0 | 290944.656 | 24.8152 | ng/ml | 100 |
| T AR1260 4 #2 | 10.506 | 0.0 | 97733.140 | 4.3704 | ng/ml | 100 |
| T AR1260 5 #2 | 11.200 | 0.0 | 3189560.933 | 96.2371 | ng/ml | 100 |

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

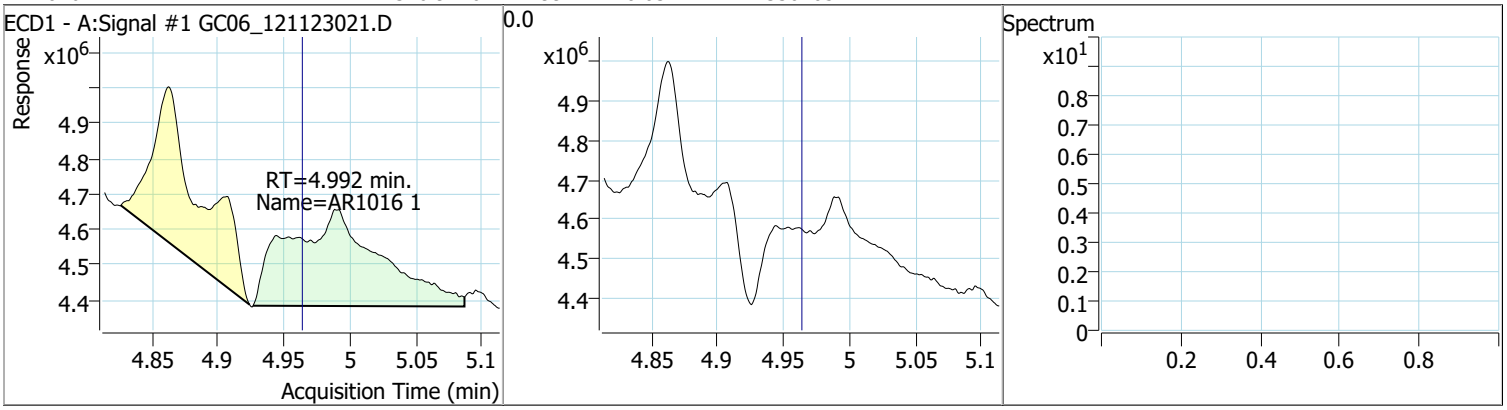
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 26.9757 | 4.64 | 0.00 | 4742217 | | | | |



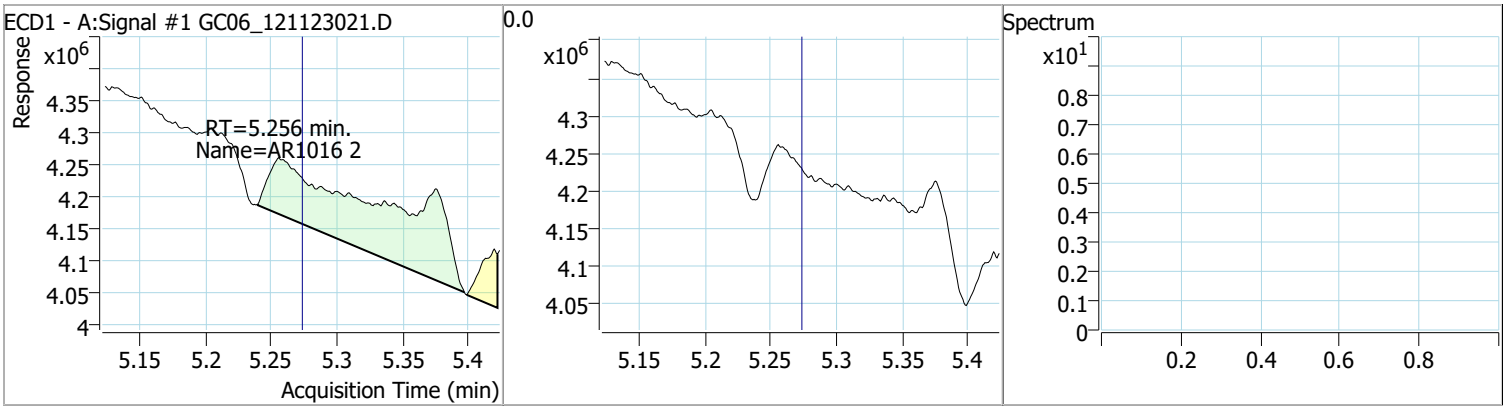

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 28.1923 | 4.96 | 0.00 | 11971412 | | | | |



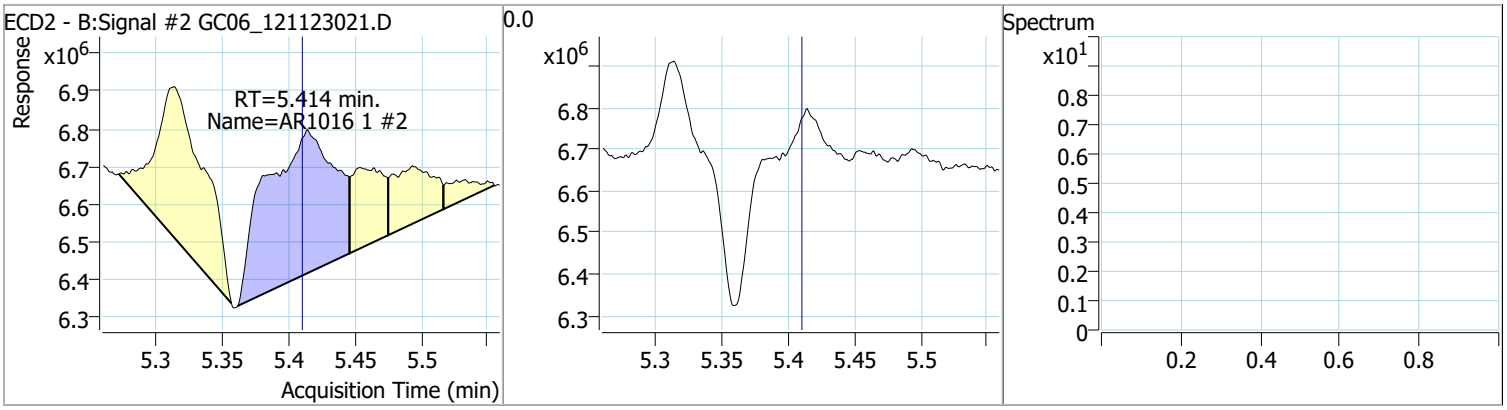

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 346.9226 | 4.99 | 0.03 | 1330405 | | | | |



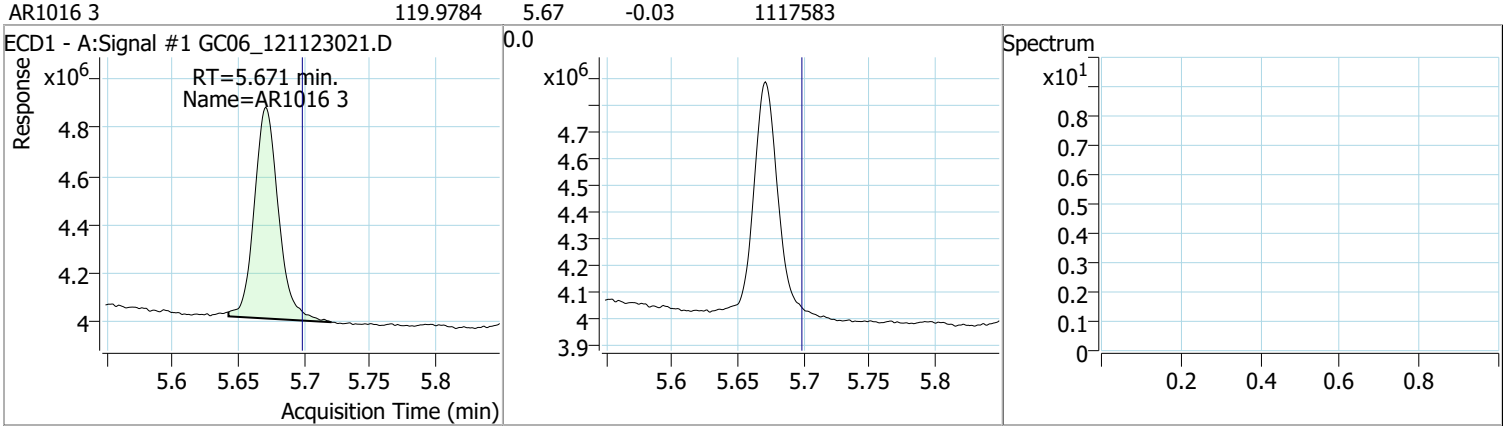

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 94.8552 | 5.26 | -0.02 | 730099 | | | | |



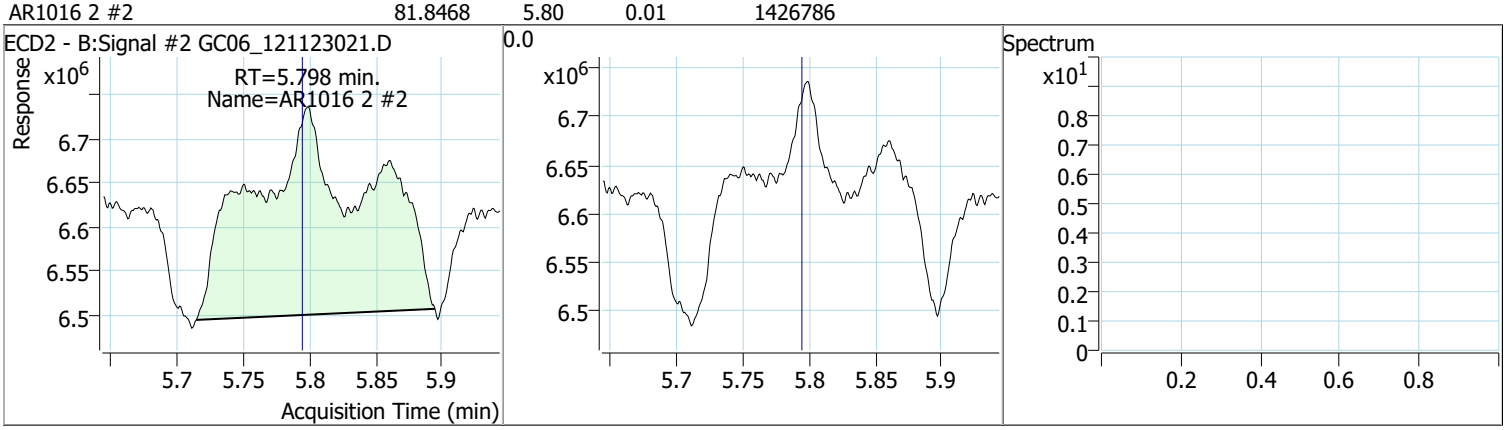
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 165.9860 | 5.41 | 0.01 | 1386512 | | | | |



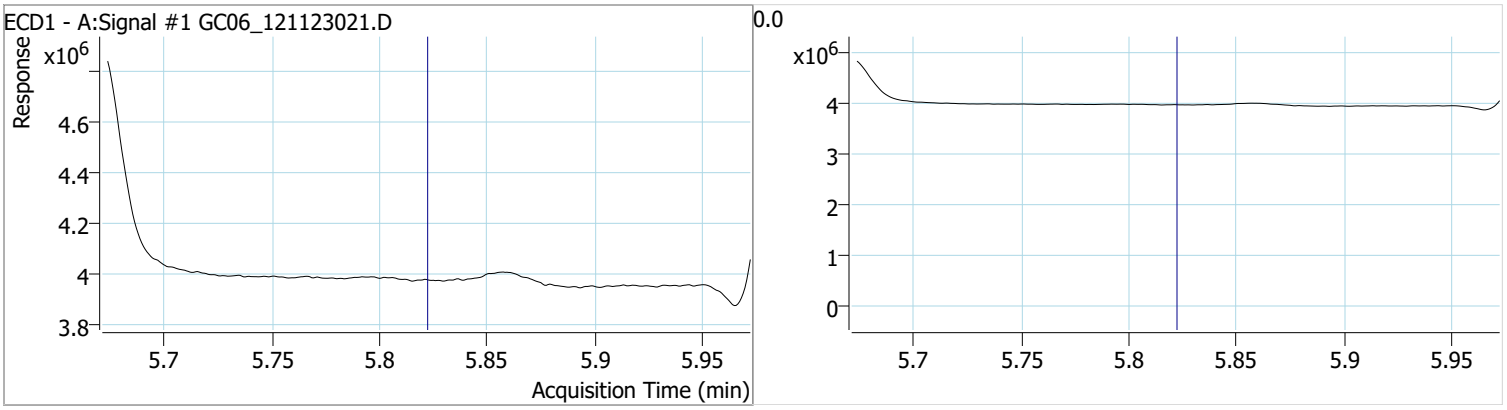

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 119.9784 | 5.67 | -0.03 | 1117583 | | | | |



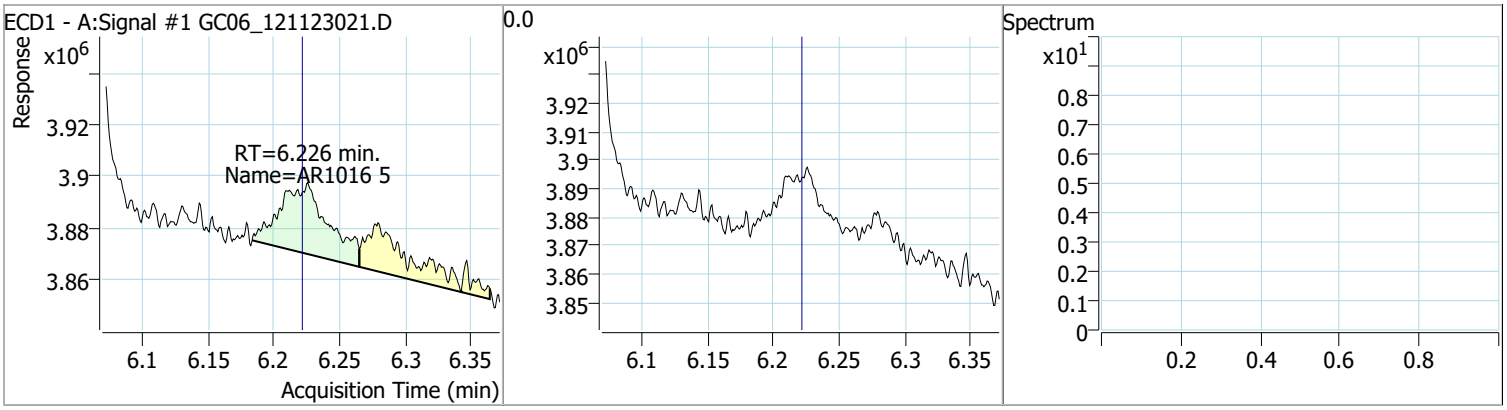

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 81.8468 | 5.80 | 0.01 | 1426786 | | | | |



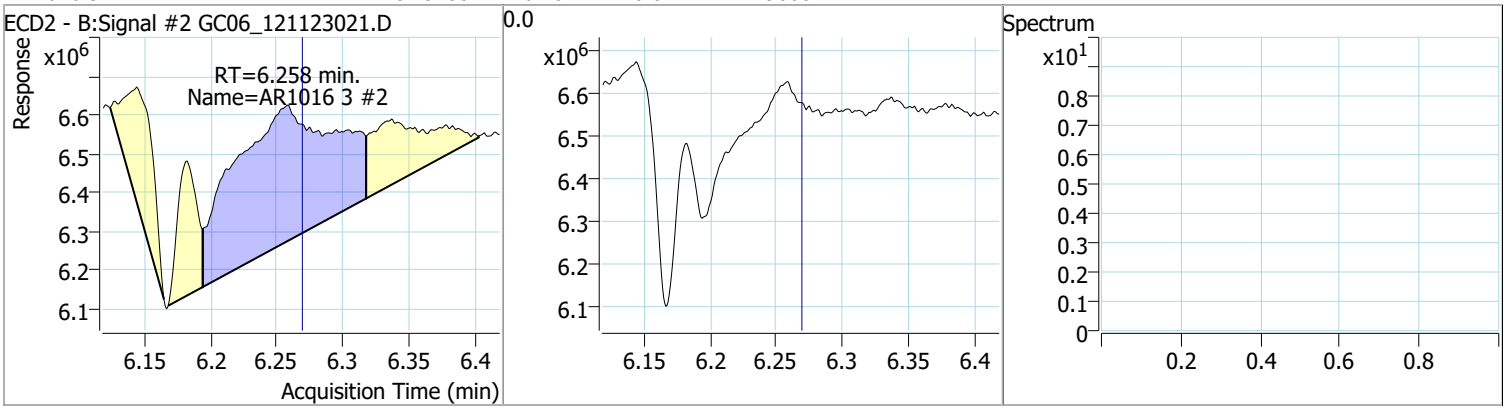

| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|---|---|---|---|---|
| AR1016 4 | N.D. | 5.82 | | |



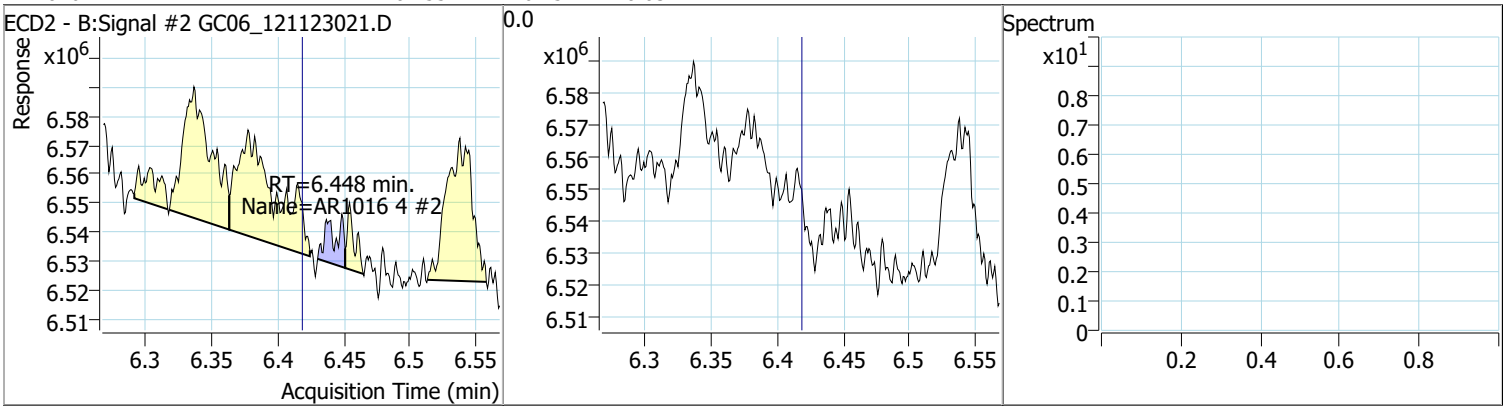
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 12.5992 | 6.23 | 0.00 | 69895 | | | | |



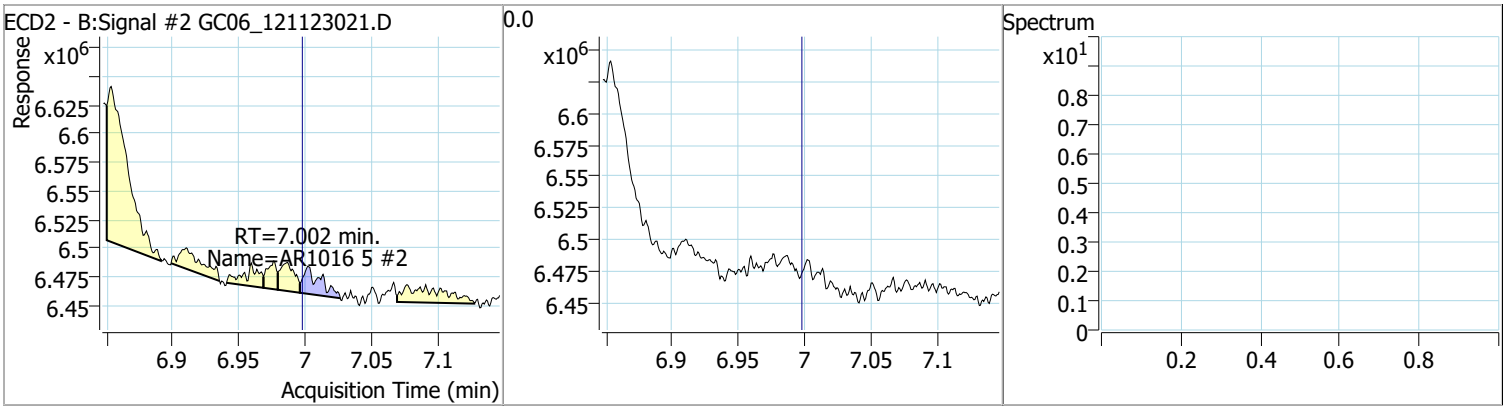

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 81.9455 | 6.26 | -0.01 | 1900872 | | | | |



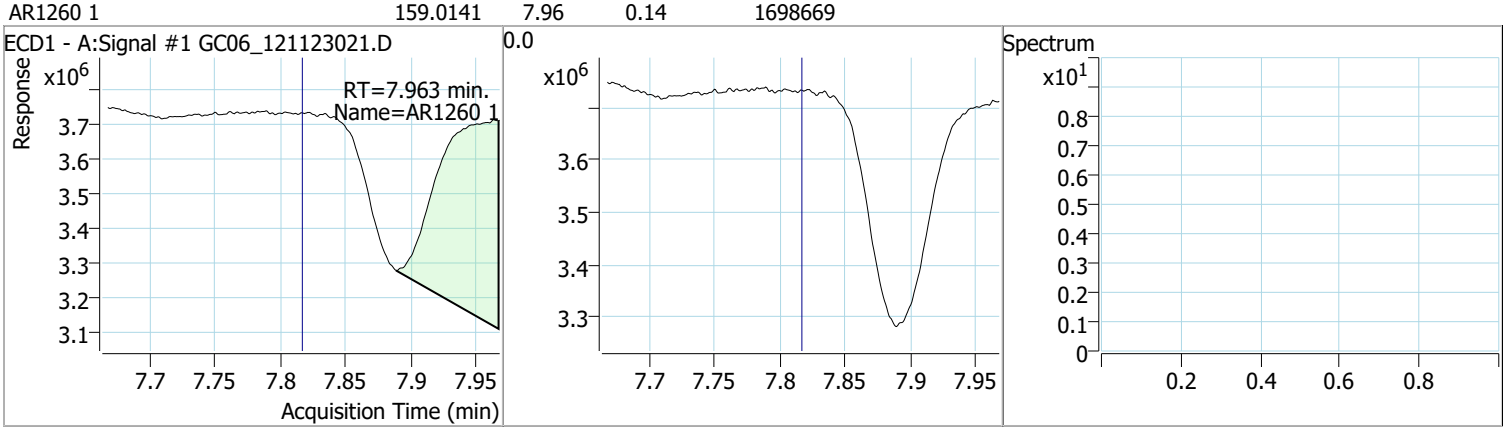

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 0.7557 | 6.45 | 0.03 | 11777 | | | | |



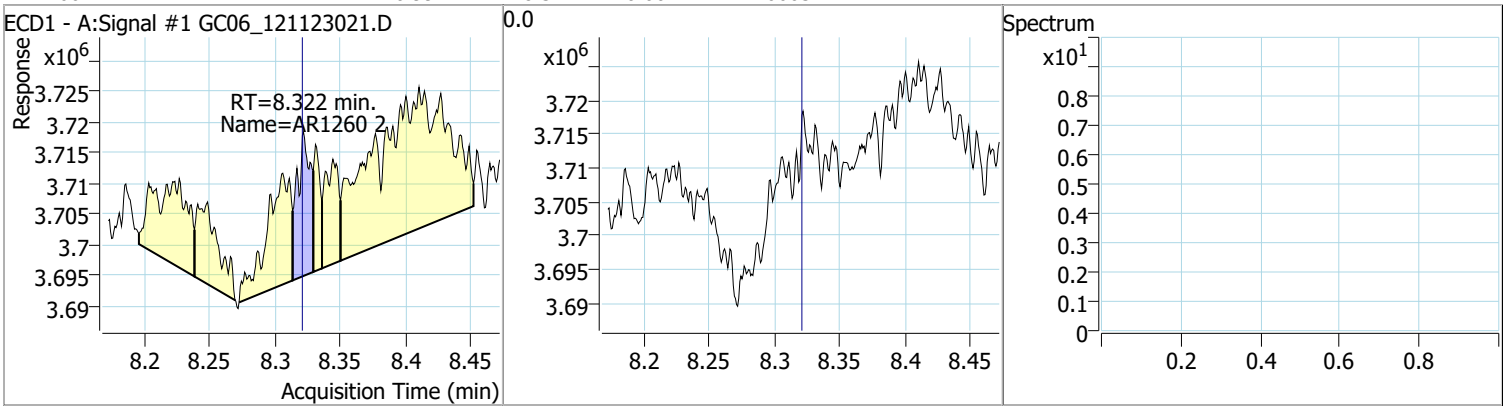

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.7036 | 7.00 | 0.01 | 21933 | | | | |



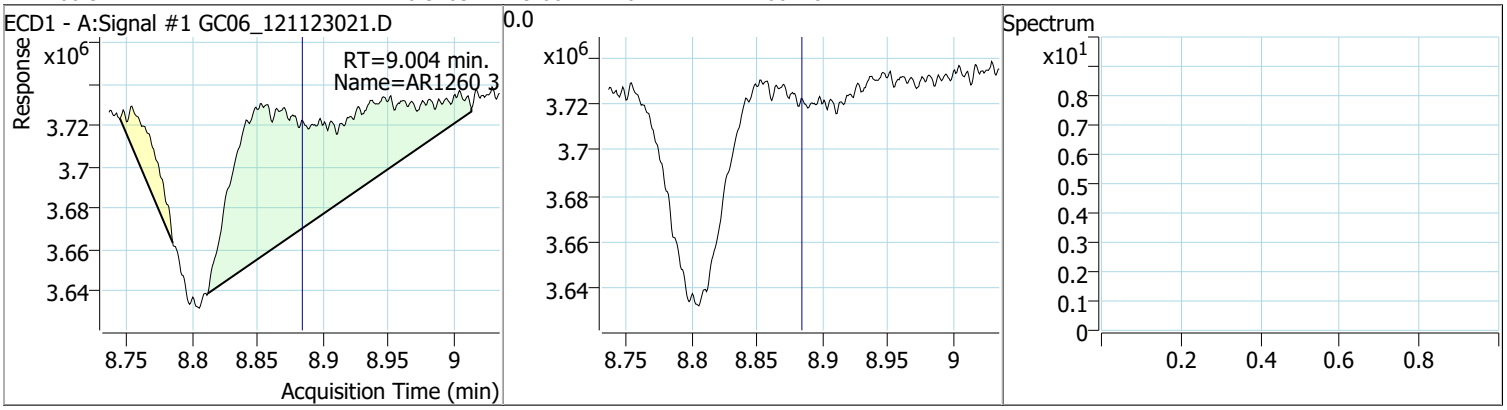
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 159.0141 | 7.96 | 0.14 | 1698669 | | | | |



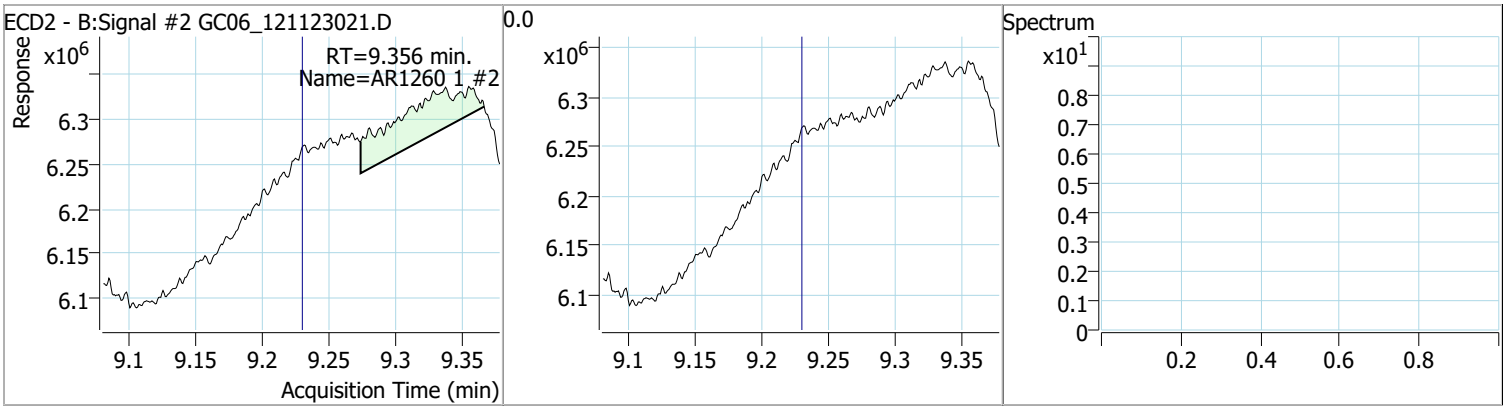

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 0.9974 | 8.32 | 0.00 | 16603 | | | | |



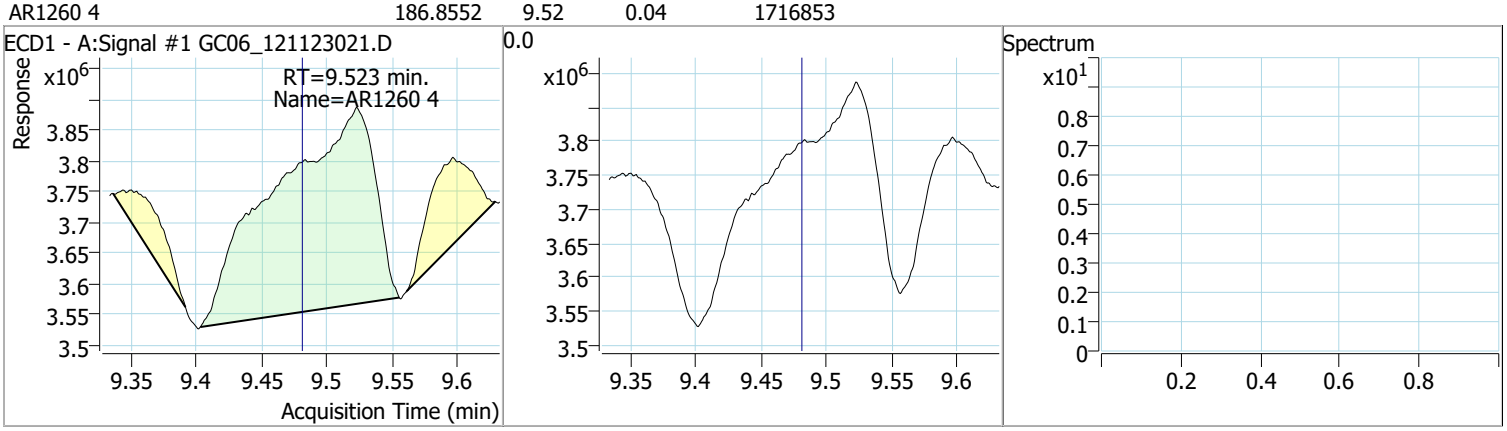

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 26.3403 | 9.00 | 0.12 | 460410 | | | | |



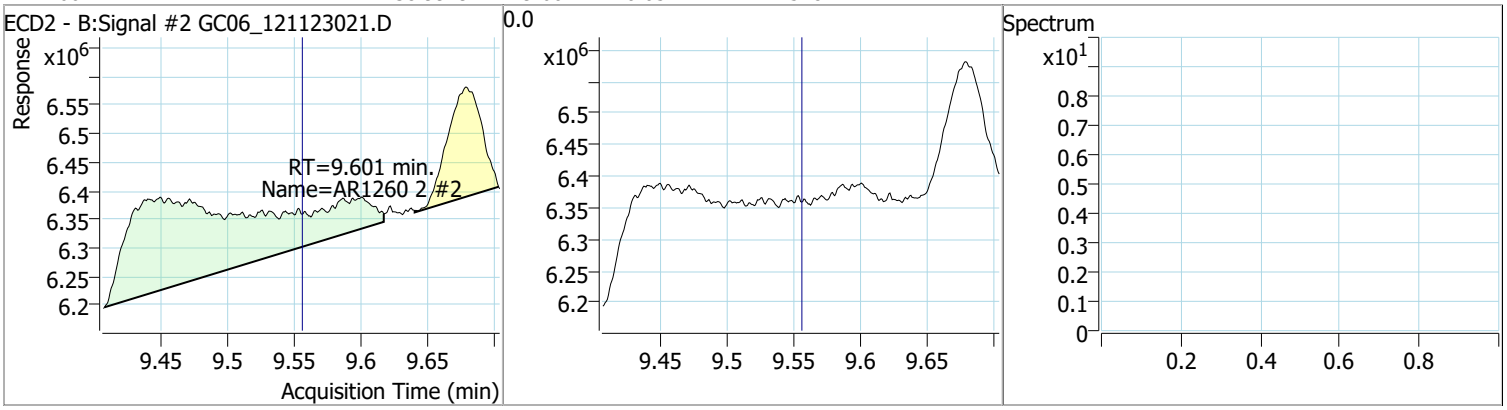

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 8.0952 | 9.36 | 0.13 | 193607 | | | | |



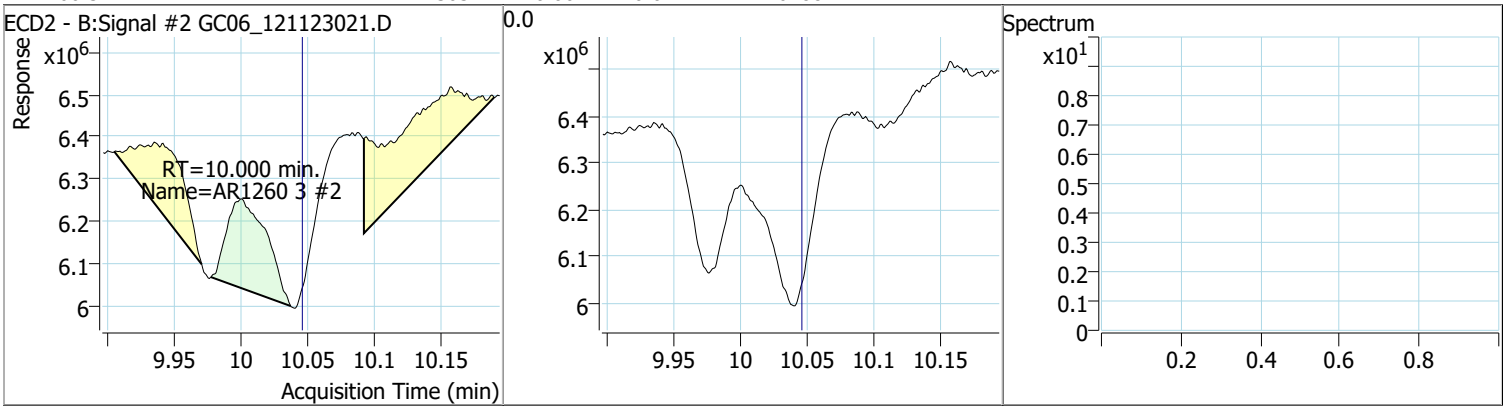
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 186.8552 | 9.52 | 0.04 | 1716853 | | | | |



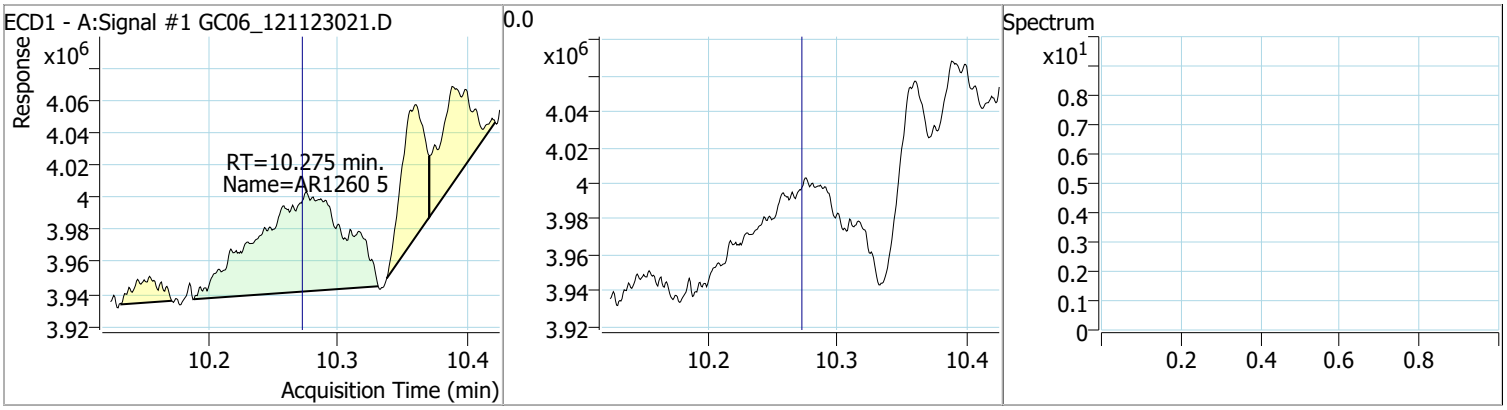

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 38.9979 | 9.60 | 0.05 | 1125284 | | | | |



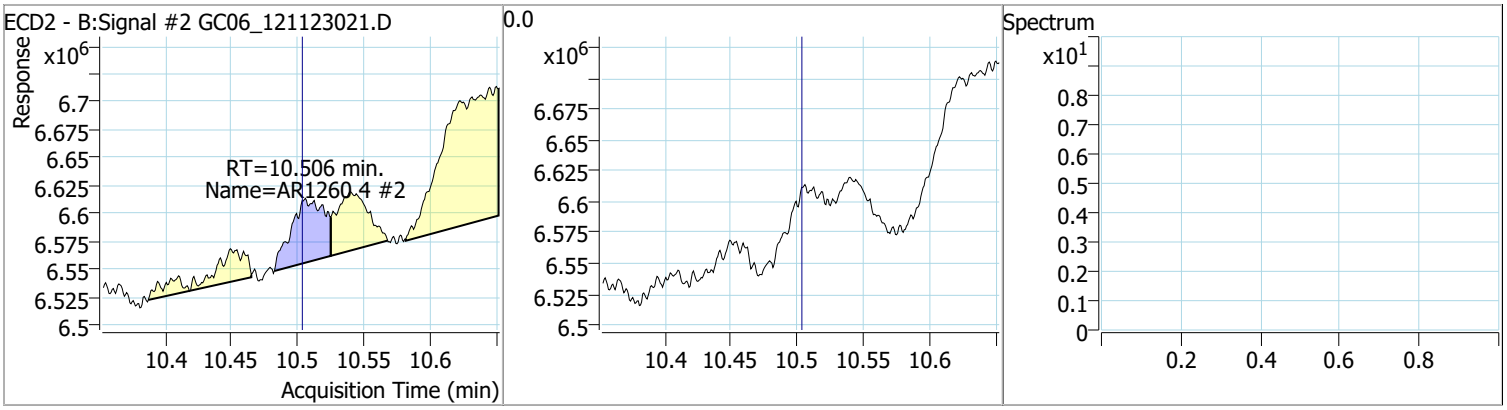

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 12.1303 | 10.00 | -0.04 | 446188 | | | | |



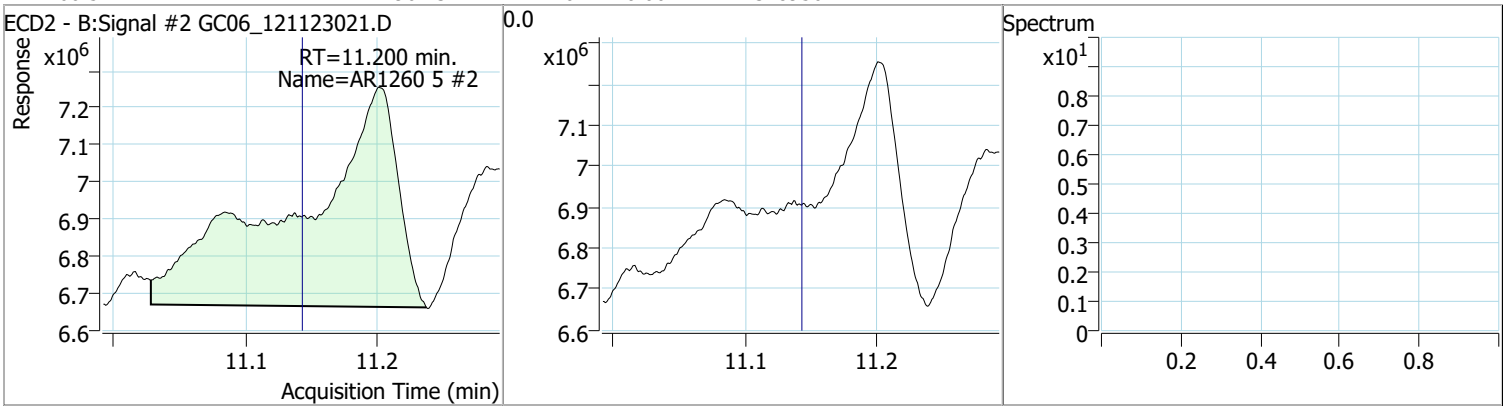

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 24.8152 | 10.28 | 0.00 | 290945 | | | | |



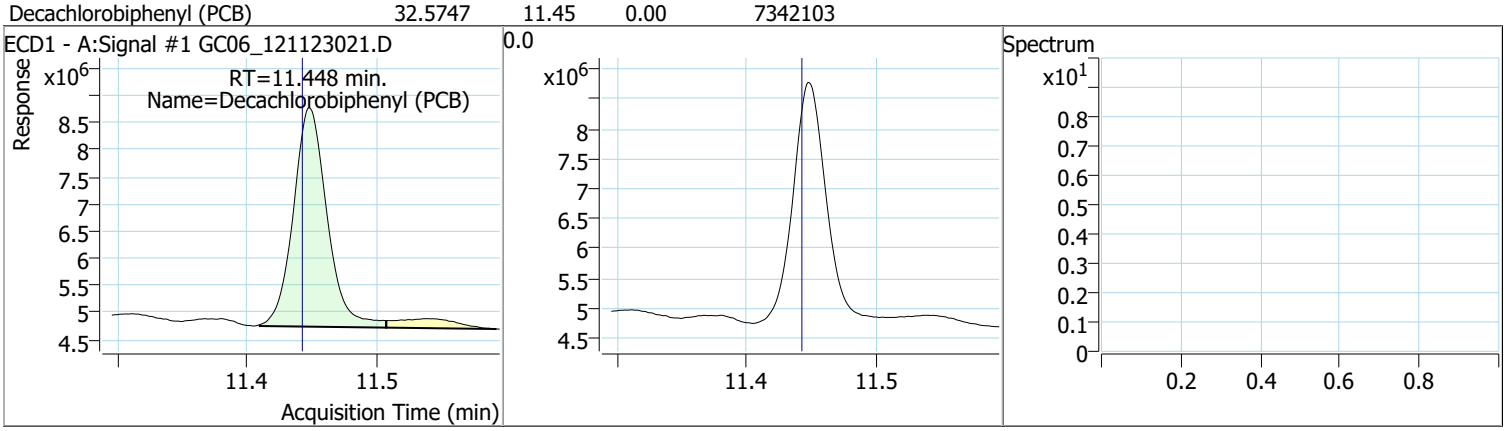
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 4.3704 | 10.51 | 0.00 | 97733 | | | | |



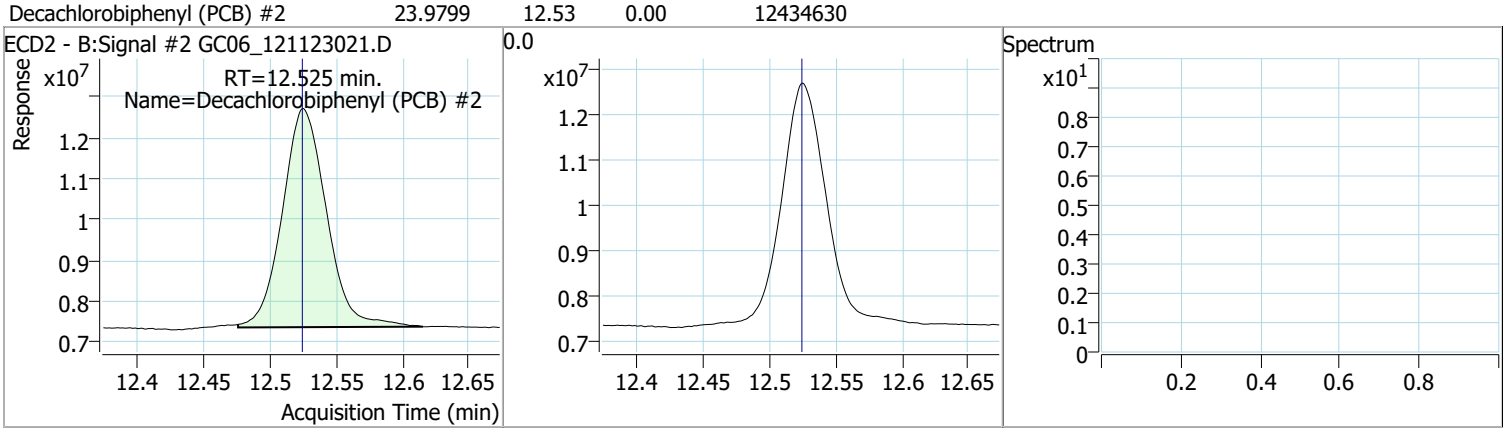

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 96.2371 | 11.20 | 0.06 | 3189561 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 32.5747 | 11.45 | 0.00 | 7342103 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 23.9799 | 12.53 | 0.00 | 12434630 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-010 | Client ID: | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-P-LA |
| Seqnum: | 453497606022 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123022 | Batch: | 328150 | Time: | 11-DEC-2023 19:46 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 49.74 | ND | 0.36 | 32% | 0.50 | | u |
| Aroclor-1016 Peak # 1 | B | 123.5 | 1.23 | 0.46 | 92% | | | |
| Aroclor-1016 Peak # 2 | B | 50.77 | 0.51 | 0.35 | 36% | | | |
| Aroclor-1016 Peak # 3 | B | 69.81 | 0.70 | 0.78 | 11% | | | |
| Aroclor-1016 Peak # 4 | B | 1.437 | 0.01 | 0.14 | 162% | | | |
| Aroclor-1016 Peak # 5 | B | 3.182 | 0.03 | 0.08 | 85% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 9.661 | ND | 0.33 | 109% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 3.913 | 0.04 | 0.13 | 108% | | | |
| Aroclor-1260 Peak # 2 | B | 6.247 | 0.06 | 0.02 | 96% | | | |
| Aroclor-1260 Peak # 3 | B | 10.49 | 0.10 | 0.11 | 0% | | | |
| Aroclor-1260 Peak # 4 | B | 5.979 | 0.06 | 1.35 | 183% | | | |
| Aroclor-1260 Peak # 5 | B | 21.68 | 0.22 | 0.03 | 154% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 23.94 | 0.5000 | 0.2394 | 48 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 19.35 | 0.5000 | 0.1935 | 39 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10728383 | 18.39 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4415566 | 11.77 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

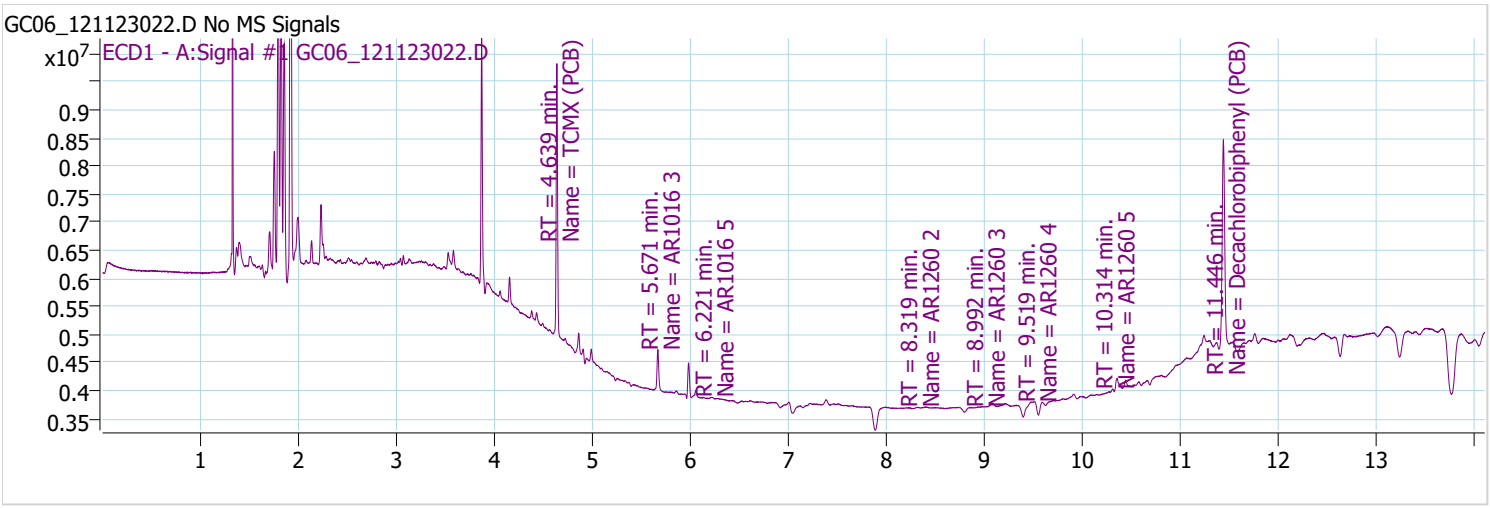
12/12/23 : WIPE/1DM^2-10ML

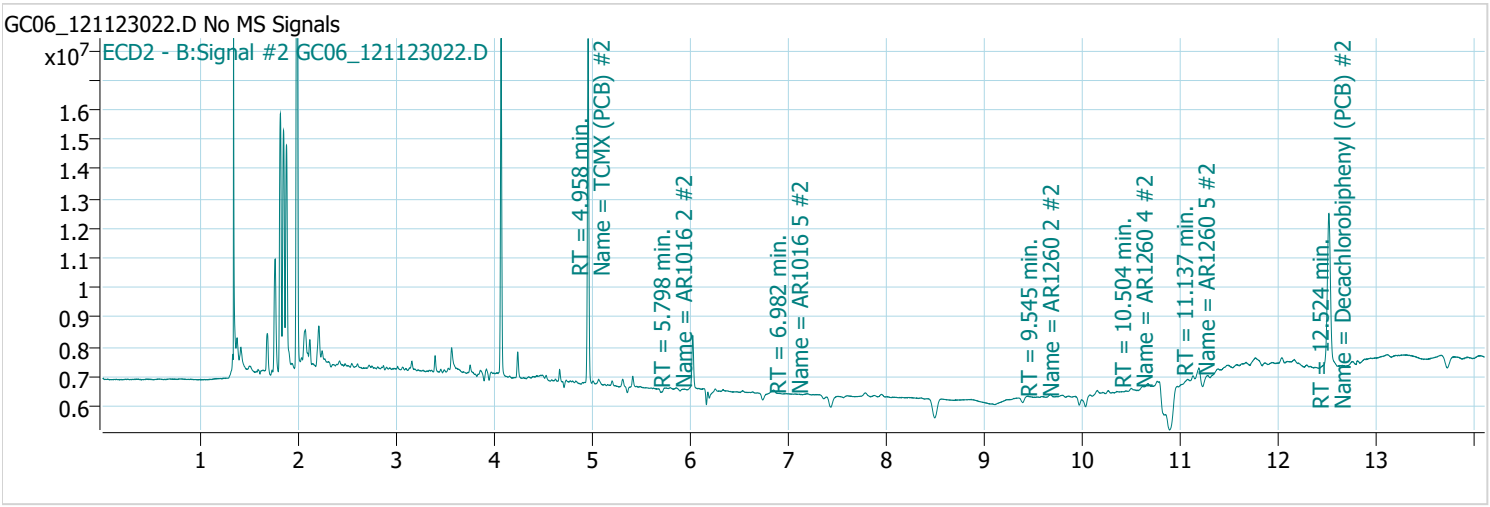
*-=low bias c=CCV u=use*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123022.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 7:46:18 PM |
| Sample Name | 497480-010, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 9 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



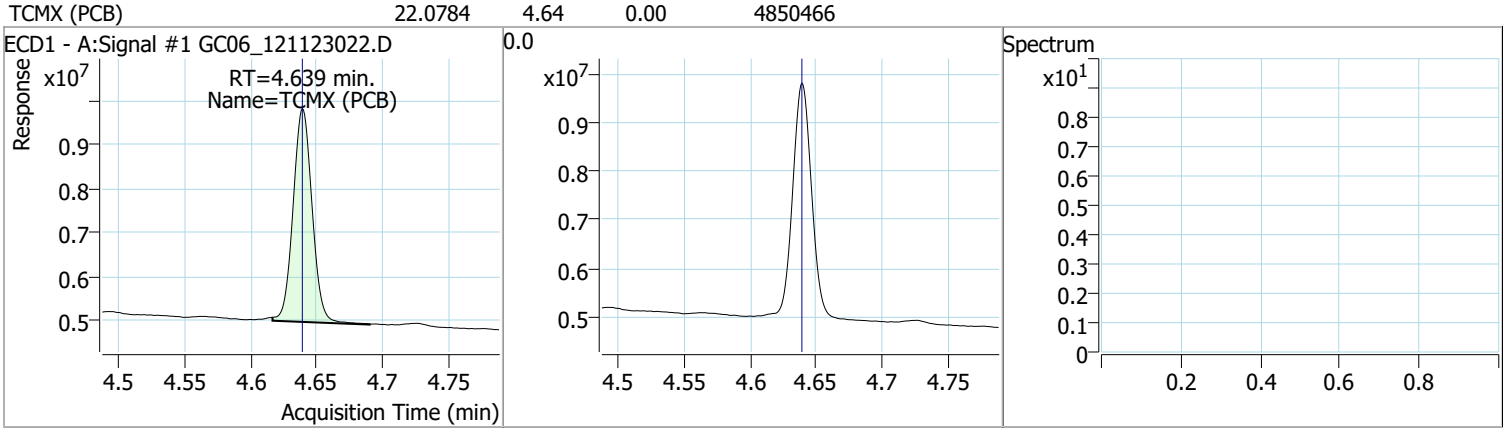




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.872 | 0.0 | 4415565.937 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 10728383.269 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 4850466.239 | 22.0784 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 110.39% | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 12074615.410 | 23.9431 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 119.72% | | |
| S Decachlorobiphenyl (PCB) | 11.446 | 0.0 | 7297535.650 | 25.9077 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 129.54% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.524 | 0.0 | 11918203.666 | 19.3529 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 96.76% | | |
| **Target Compounds** | | | | | | QValue |

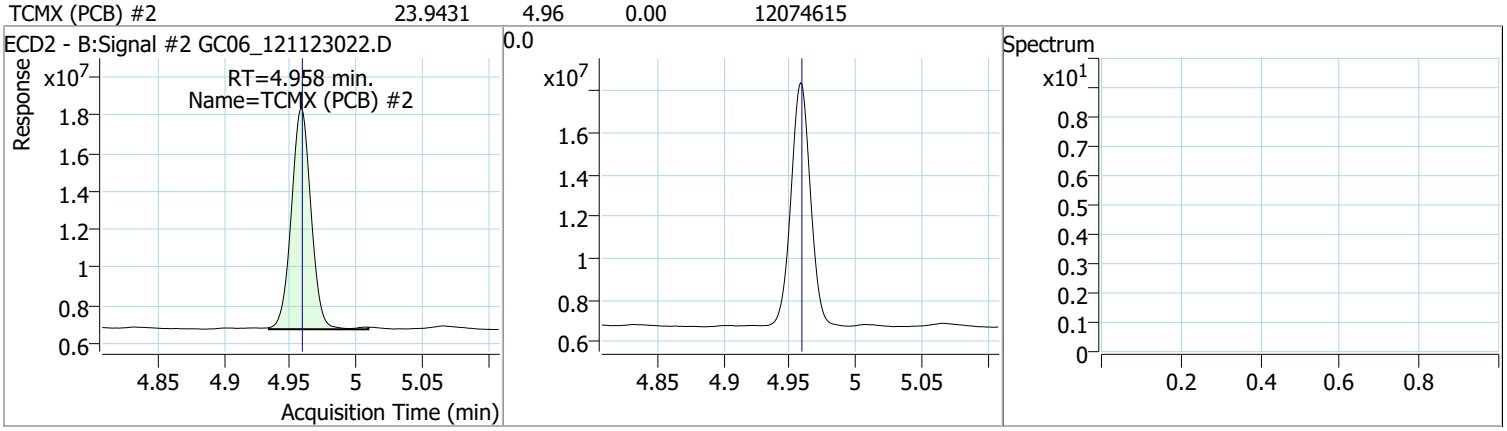
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.941 | 0.0 | 219200.961 | 45.7387 | ng/ml | 100 |
| T AR1016 2 | 5.257 | 0.0 | 338196.620 | 35.1594 | ng/ml | 100 |
| T AR1016 1 #2 | 5.415 | 0.0 | 1225072.767 | 123.4899 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 911609.762 | 78.3114 | ng/ml | 100 |
| T AR1016 2 #2 | 5.798 | 0.0 | 1051066.255 | 50.7685 | ng/ml | 100 |
| T AR1016 4 | 5.800 | 0.0 | 105512.348 | 13.6955 | ng/ml | 100 |
| T AR1016 5 | 6.221 | 0.0 | 54807.973 | 7.9056 | ng/ml | 100 |
| T AR1016 3 #2 | 6.256 | 0.0 | 1923215.274 | 69.8106 | ng/ml | 100 |
| T AR1016 4 #2 | 6.478 | 0.0 | 26598.551 | 1.4372 | ng/ml | 100 |
| T AR1016 5 #2 | 6.982 | 0.0 | 48648.319 | 3.1818 | ng/ml | 100 |
| T AR1260 1 | 7.958 | 0.0 | 175272.885 | 13.1291 | ng/ml | 100 |
| T AR1260 2 | 8.319 | 0.0 | 45725.508 | 2.1981 | ng/ml | 100 |
| T AR1260 3 | 8.992 | 0.0 | 229685.435 | 10.5149 | ng/ml | 100 |
| T AR1260 1 #2 | 9.332 | 0.0 | 111147.458 | 3.9132 | ng/ml | 100 |
| T AR1260 4 | 9.519 | 0.0 | 1554777.782 | 135.4046 | ng/ml | 100 |
| T AR1260 2 #2 | 9.545 | 0.0 | 214071.368 | 6.2468 | ng/ml | 100 |
| T AR1260 3 #2 | 9.997 | 0.0 | 458056.525 | 10.4856 | ng/ml | 100 |
| T AR1260 5 | 10.314 | 0.0 | 41733.570 | 2.8483 | ng/ml | 100 |
| T AR1260 4 #2 | 10.504 | 0.0 | 158784.341 | 5.9787 | ng/ml | 100 |
| T AR1260 5 #2 | 11.137 | 0.0 | 853379.883 | 21.6808 | ng/ml | 100 |

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

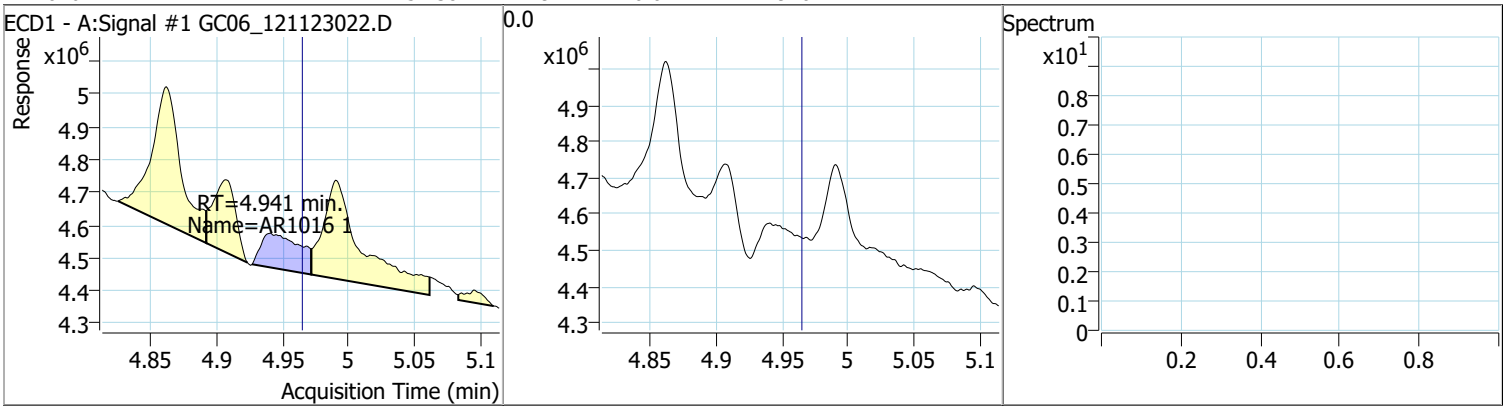
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 22.0784 | 4.64 | 0.00 | 4850466 | | | | |



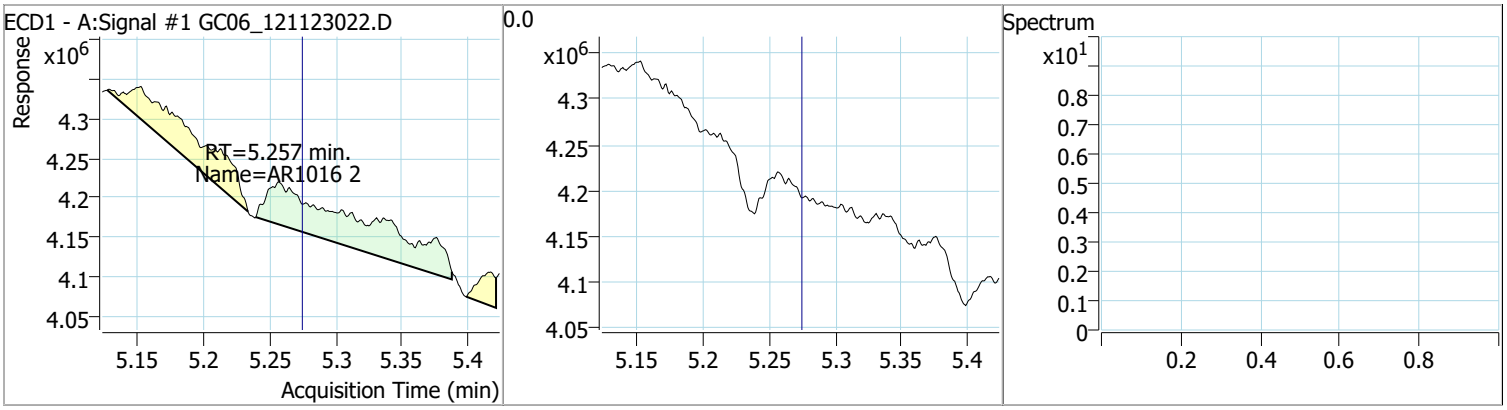

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 23.9431 | 4.96 | 0.00 | 12074615 | | | | |



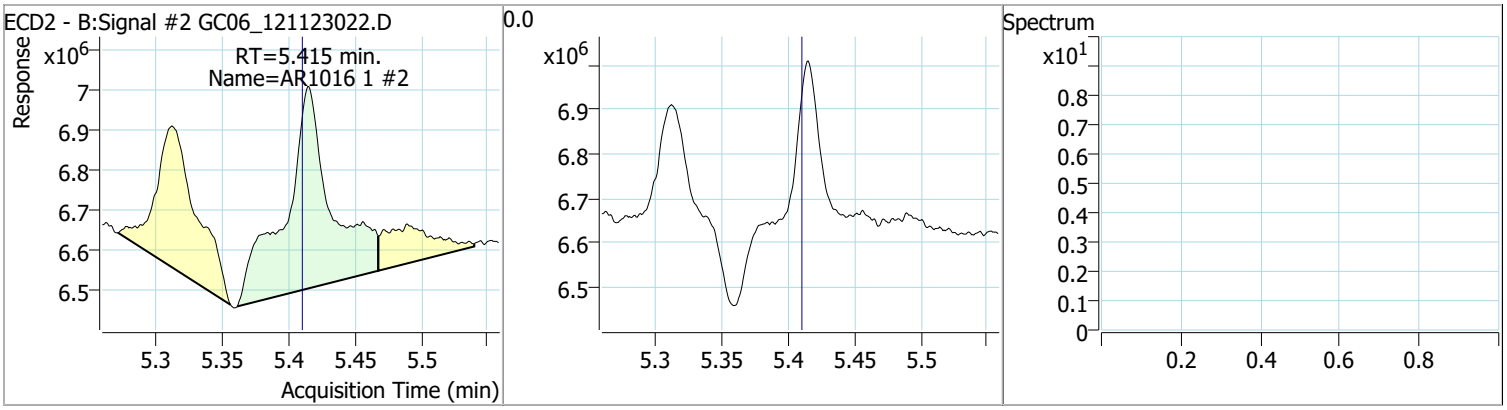

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 45.7387 | 4.94 | -0.02 | 219201 | | | | |



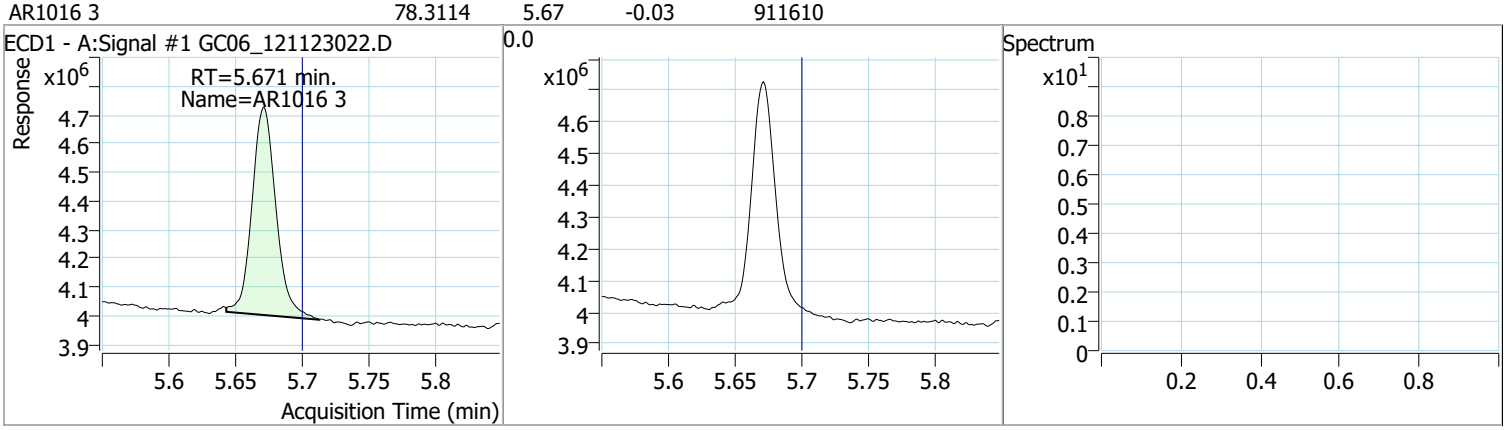

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 35.1594 | 5.26 | -0.02 | 338197 | | | | |



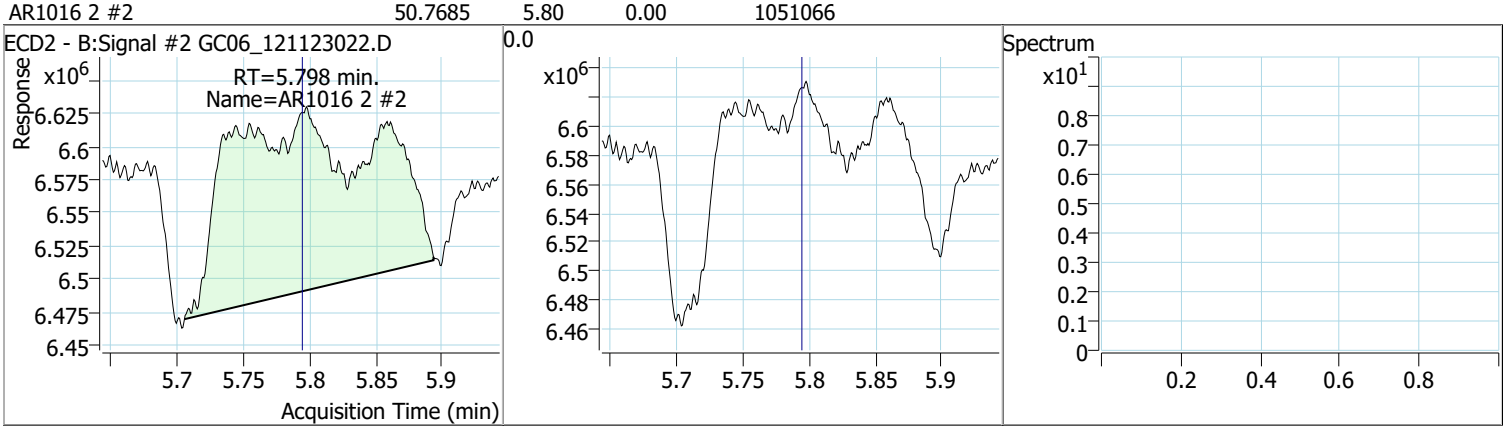
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 123.4899 | 5.42 | 0.01 | 1225073 | | | | |



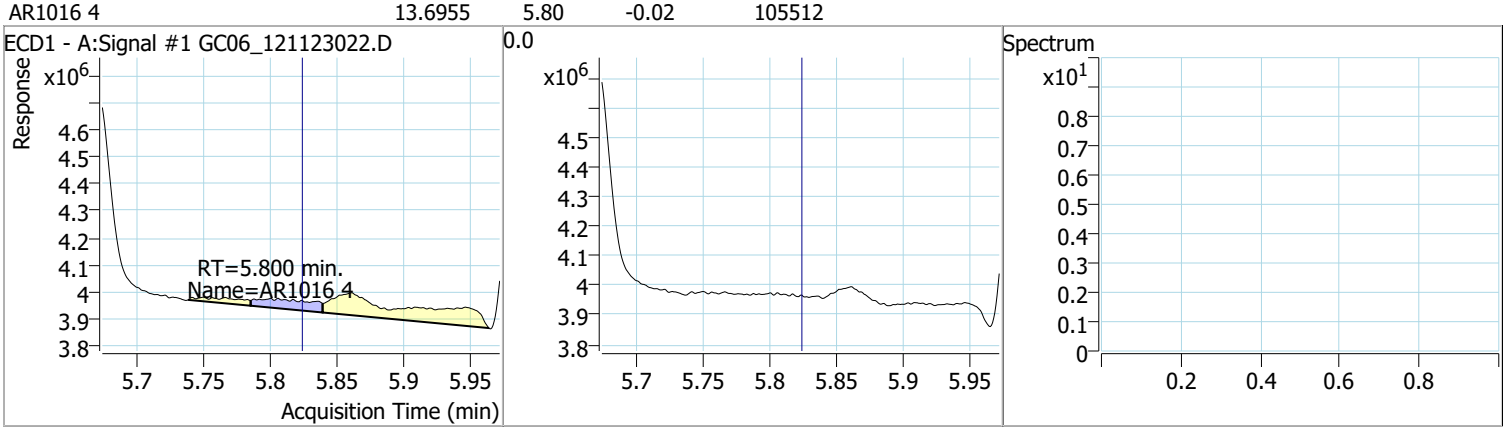

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 78.3114 | 5.67 | -0.03 | 911610 | | | | |



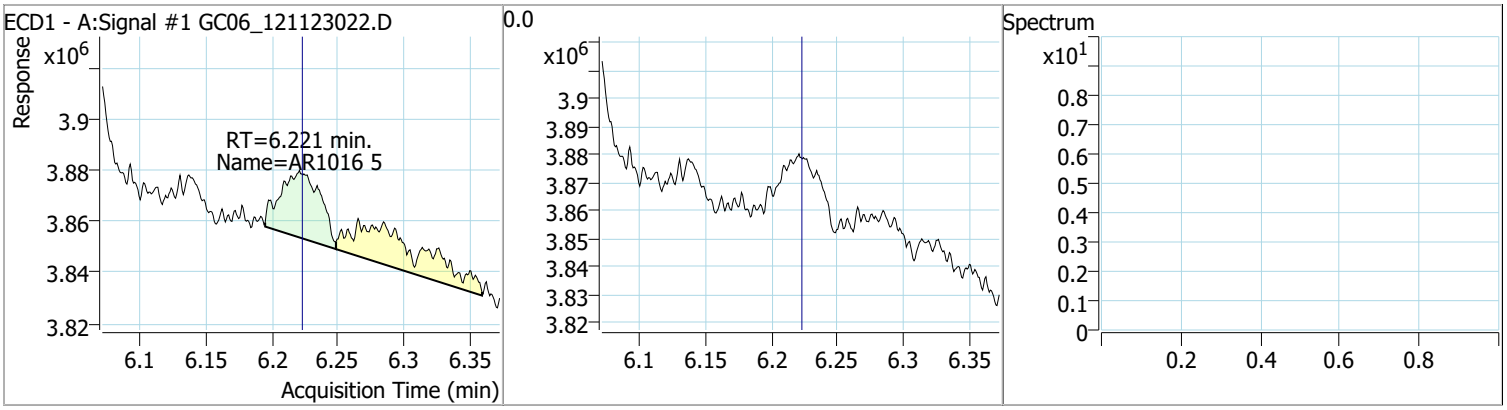

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 50.7685 | 5.80 | 0.00 | 1051066 | | | | |



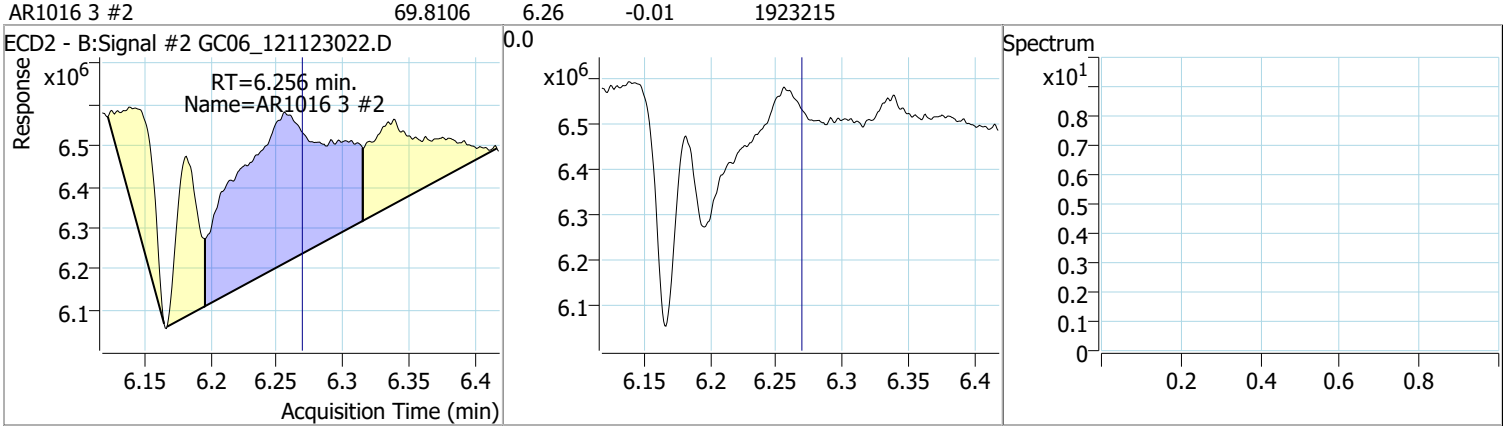

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 13.6955 | 5.80 | -0.02 | 105512 | | | | |



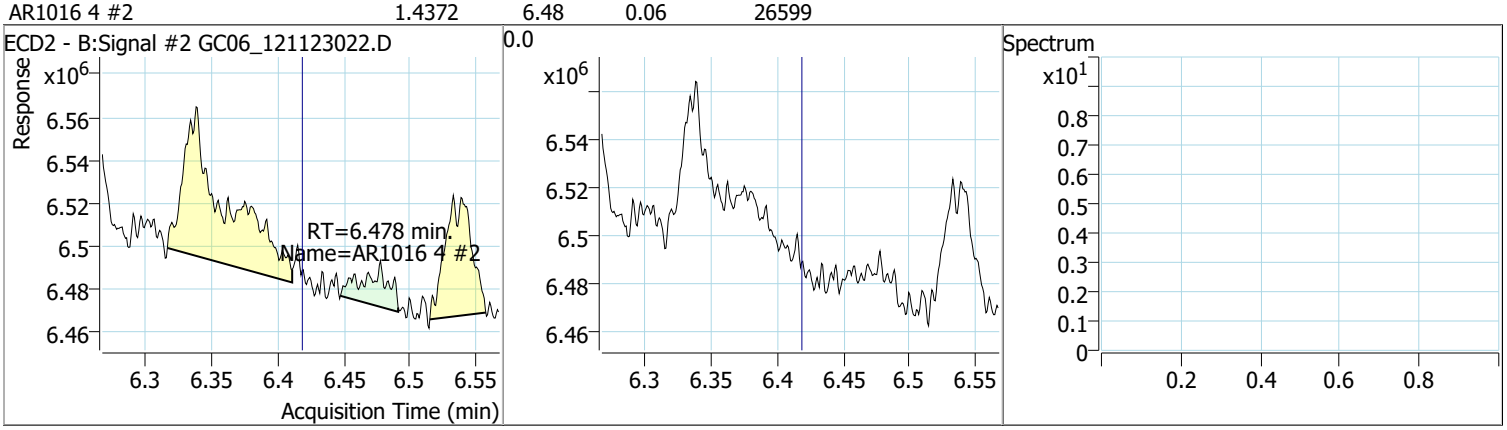
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 7.9056 | 6.22 | 0.00 | 54808 | | | | |



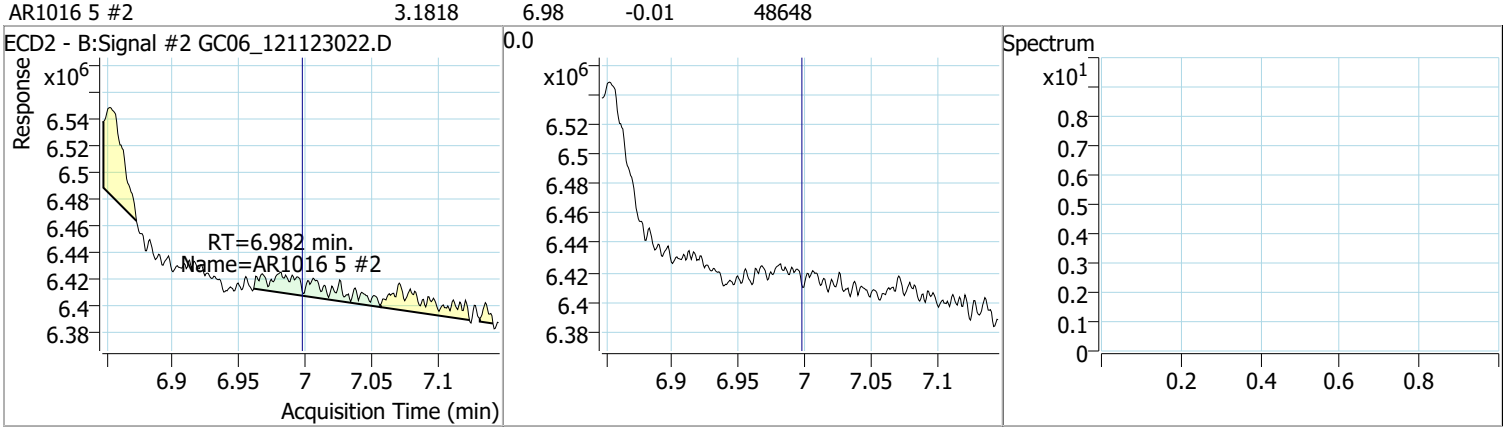

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 69.8106 | 6.26 | -0.01 | 1923215 | | | | |



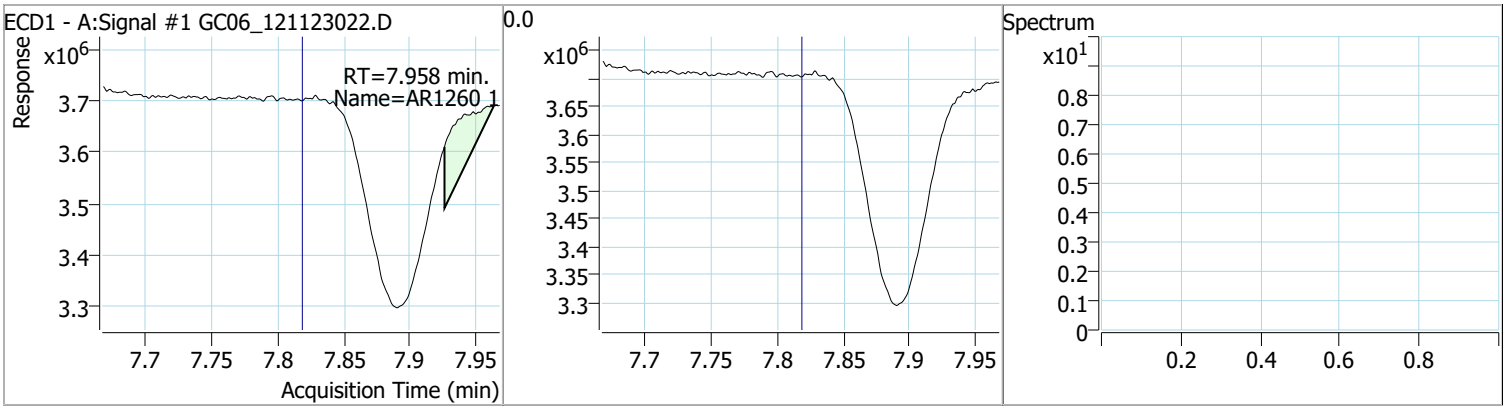

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1.4372 | 6.48 | 0.06 | 26599 | | | | |



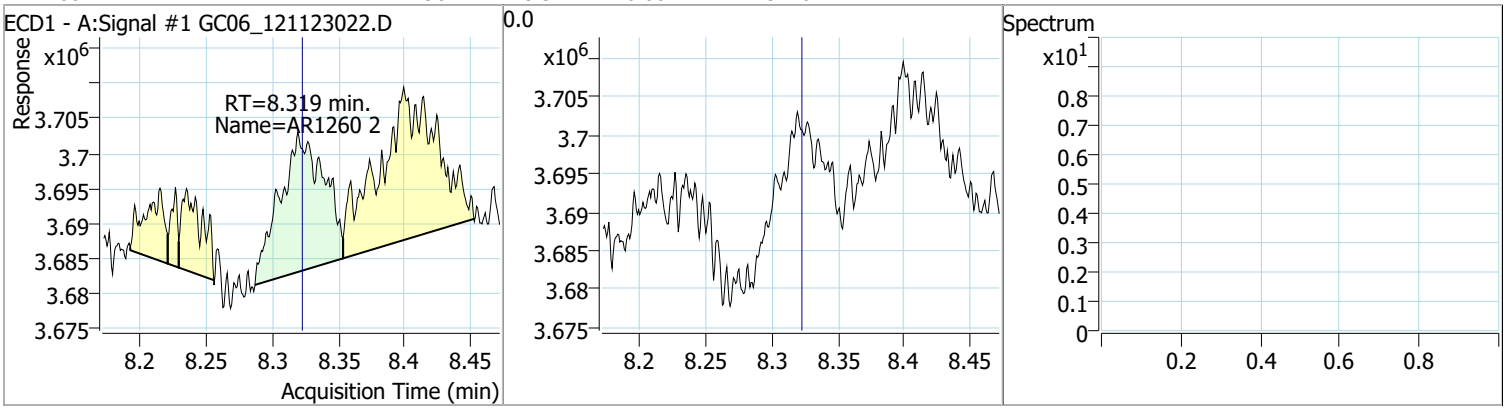

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 3.1818 | 6.98 | -0.01 | 48648 | | | | |



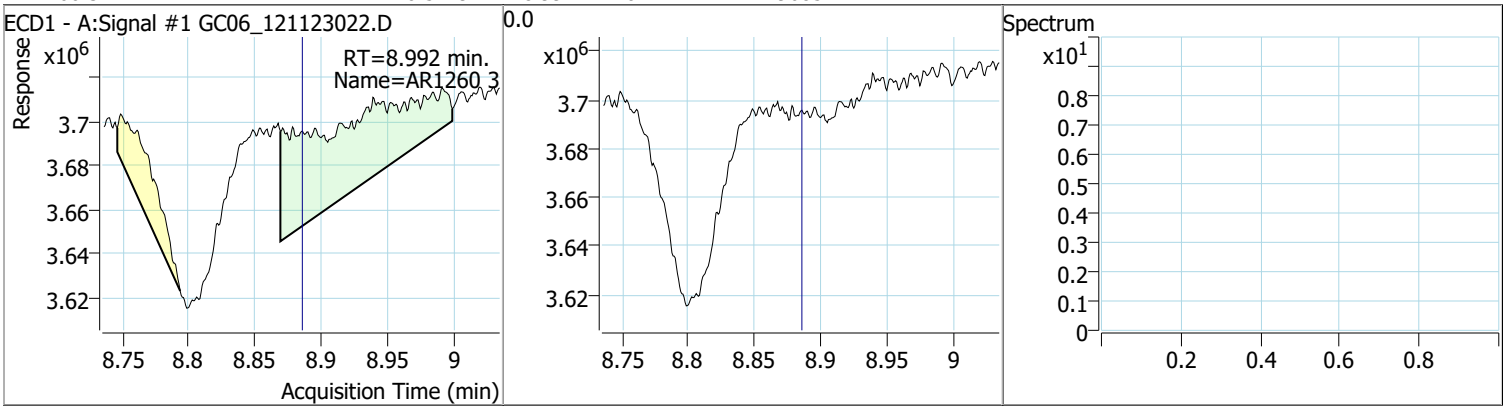
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 13.1291 | 7.96 | 0.14 | 175273 | | | | |



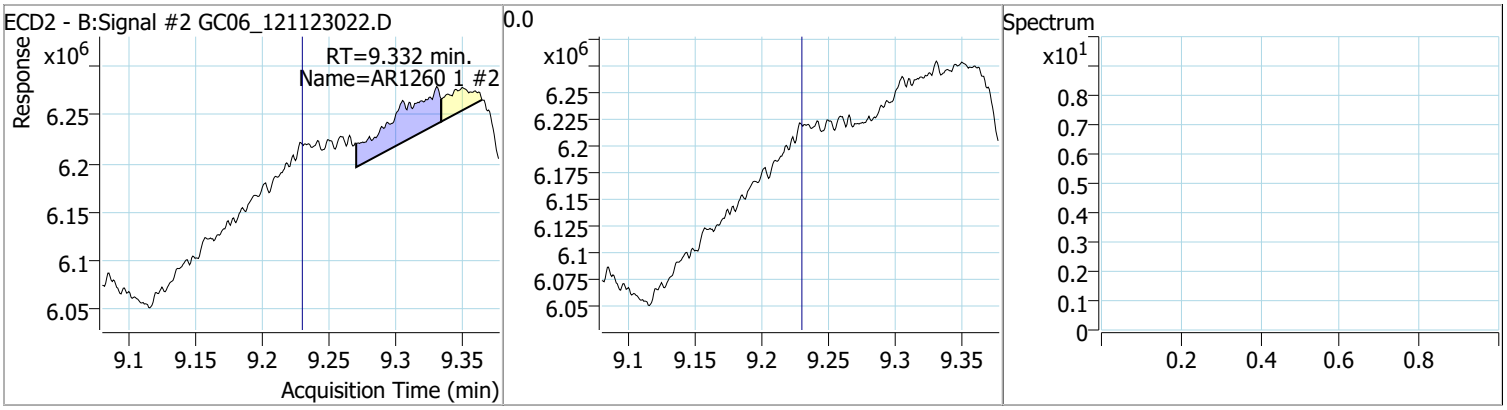

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.1981 | 8.32 | 0.00 | 45726 | | | | |



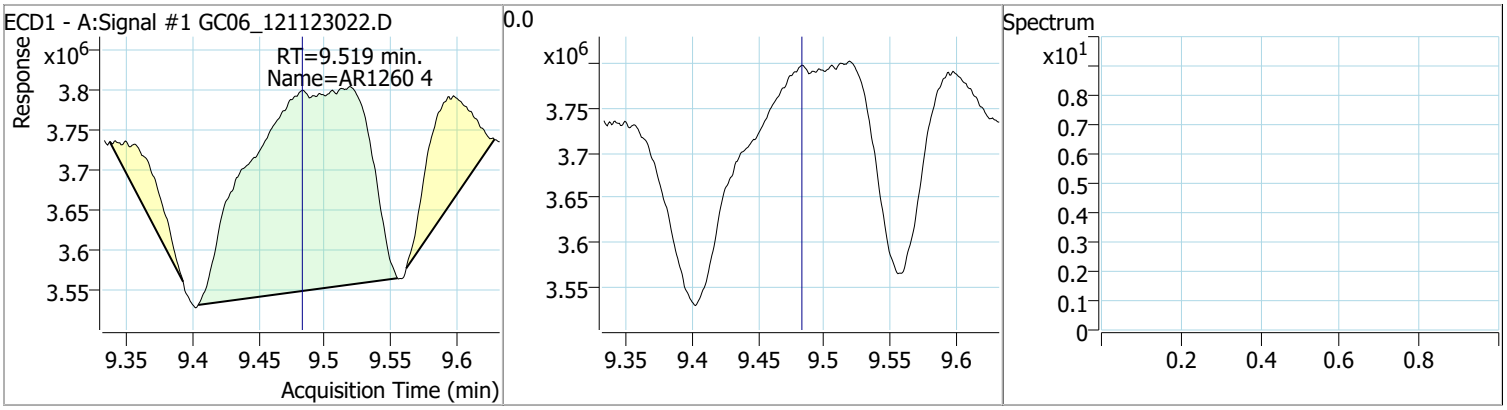

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 10.5149 | 8.99 | 0.11 | 229685 | | | | |



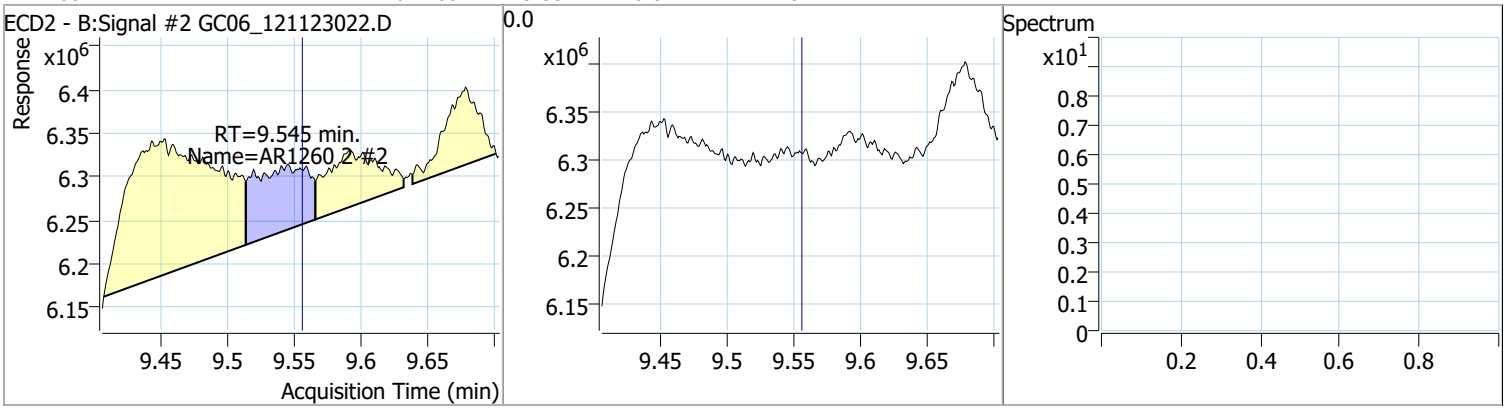

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 3.9132 | 9.33 | 0.10 | 111147 | | | | |



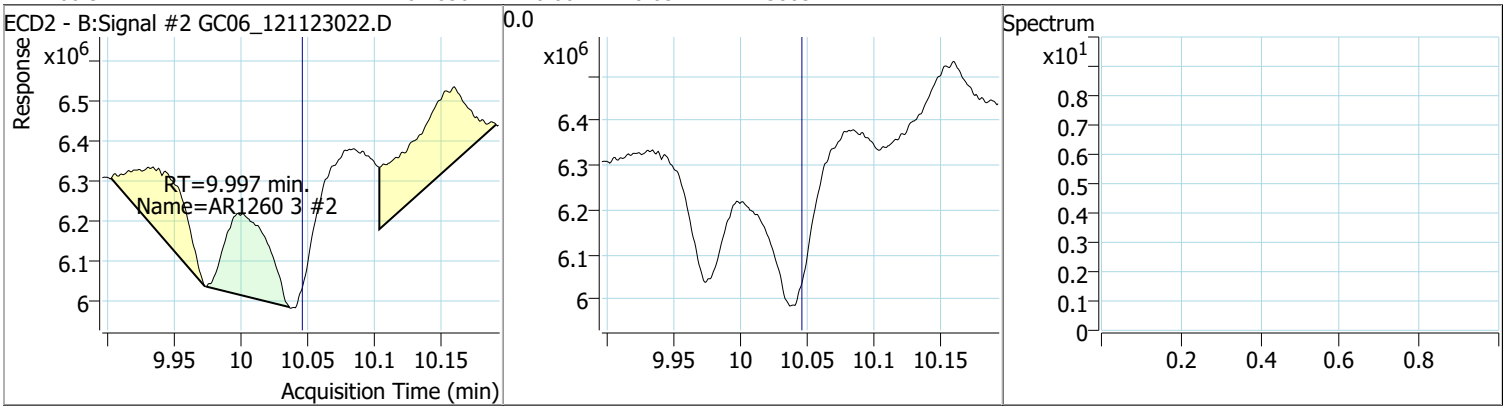
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 135.4046 | 9.52 | 0.04 | 1554778 | | | | |



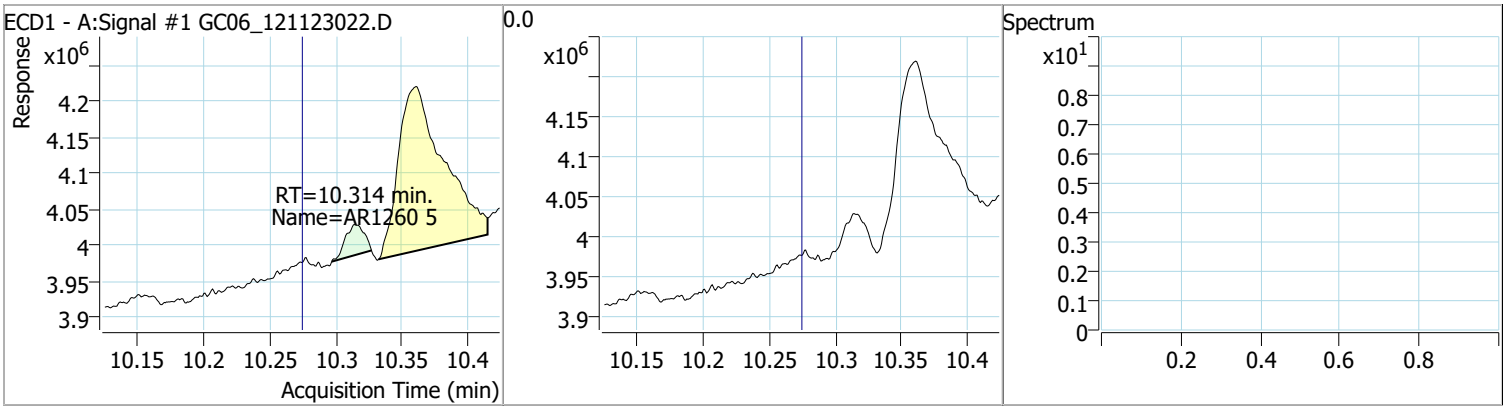

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 6.2468 | 9.55 | -0.01 | 214071 | | | | |



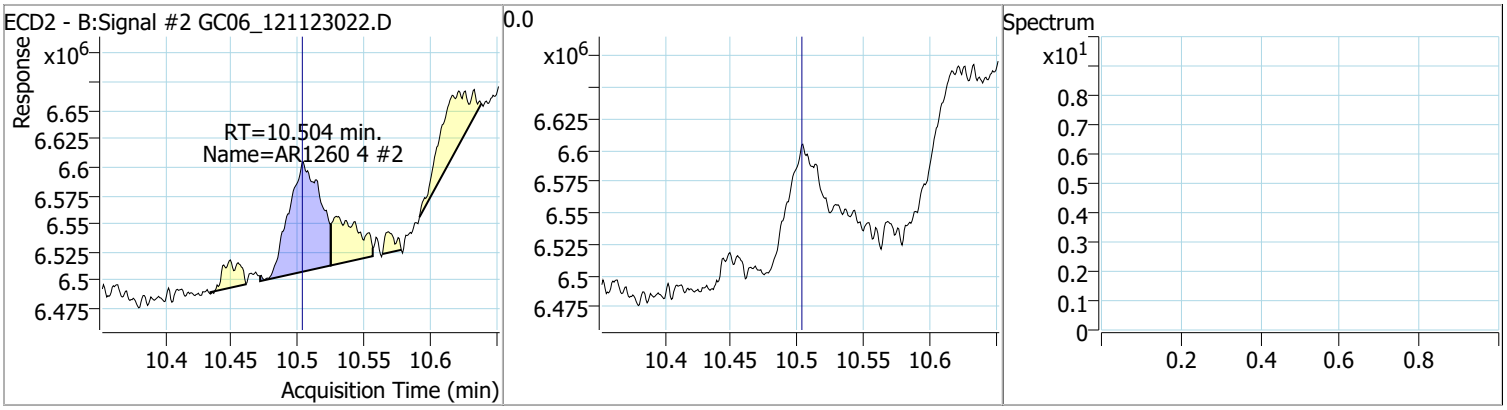

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 10.4856 | 10.00 | -0.05 | 458057 | | | | |



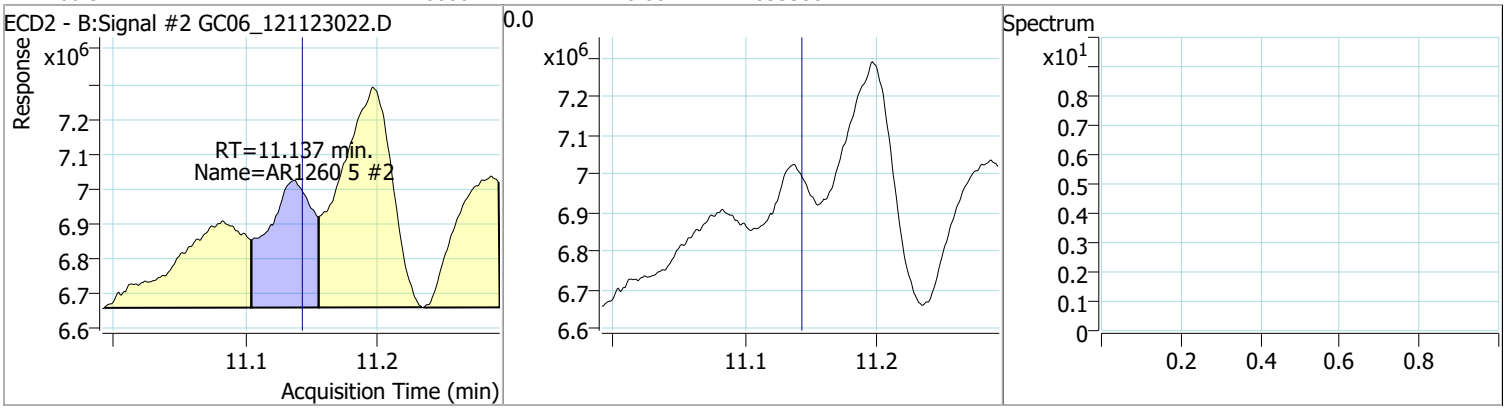

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 2.8483 | 10.31 | 0.04 | 41734 | | | | |



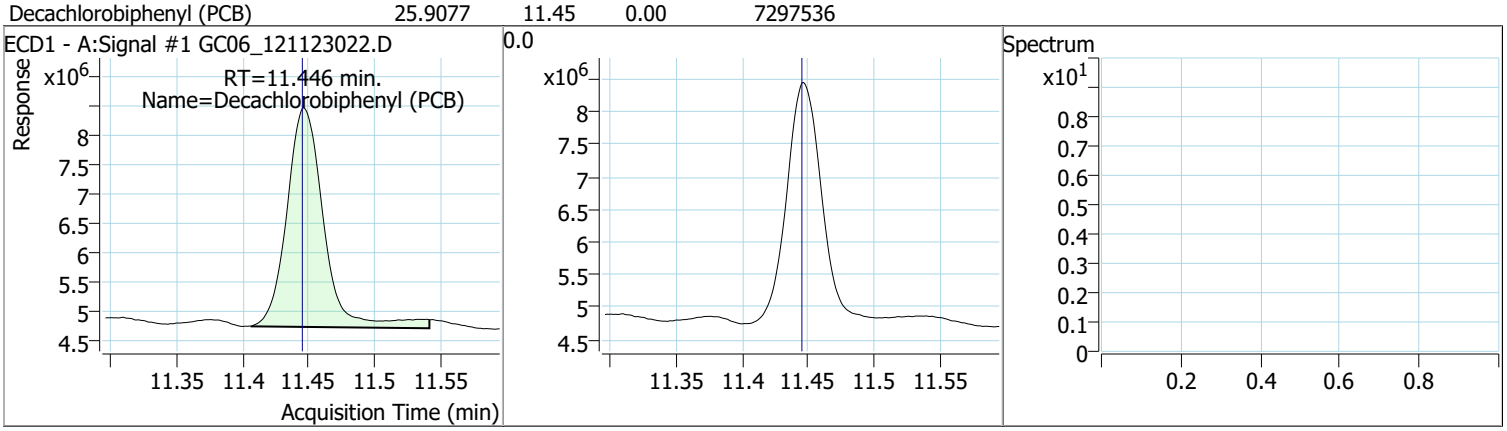
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 5.9787 | 10.50 | 0.00 | 158784 | | | | |



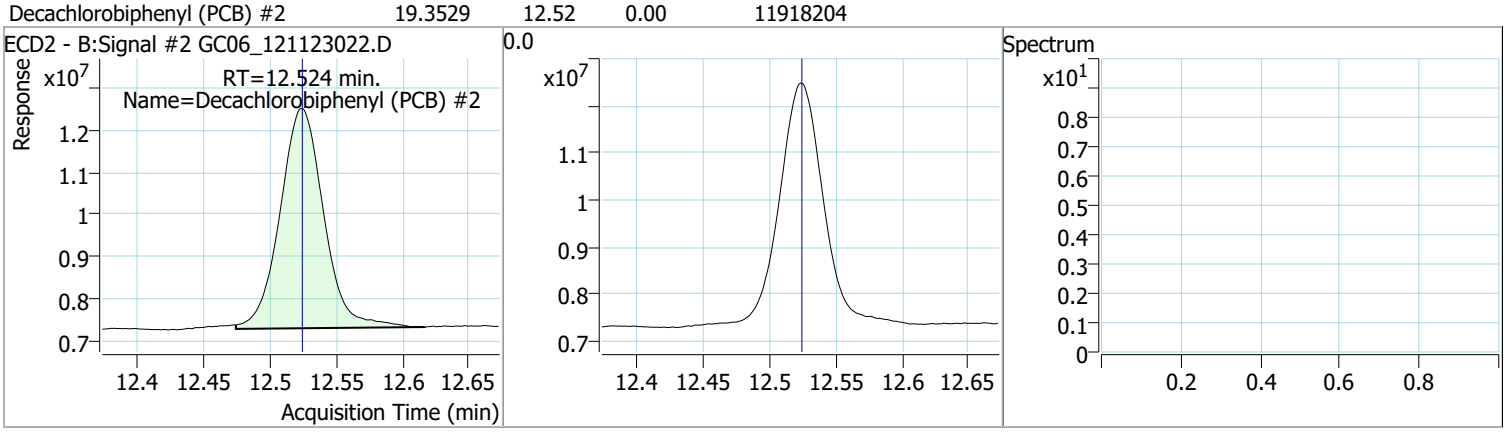

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 21.6808 | 11.14 | 0.00 | 853380 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 25.9077 | 11.45 | 0.00 | 7297536 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 19.3529 | 12.52 | 0.00 | 11918204 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-013 | Client ID: | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-P-LA |
| Seqnum: | 453497606023 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123023 | Batch: | 328150 | Time: | 11-DEC-2023 20:06 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 40.89 | ND | 0.83 | 68% | 0.50 | | u |
| Aroclor-1016 Peak # 1 | B | 82.63 | 0.83 | 1.60 | 64% | | | |
| Aroclor-1016 Peak # 2 | B | 55.95 | 0.56 | 0.37 | 40% | | | |
| Aroclor-1016 Peak # 3 | B | 59.69 | 0.60 | 2.07 | 110% | | | |
| Aroclor-1016 Peak # 4 | B | 1.000 | 0.01 | 0.04 | 111% | | | |
| Aroclor-1016 Peak # 5 | B | 5.154 | 0.05 | 0.08 | 44% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 25.26 | ND | 0.60 | 81% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 45.29 | 0.45 | 1.24 | 93% | | | |
| Aroclor-1260 Peak # 2 | B | 8.296 | 0.08 | 0.02 | 111% | | | |
| Aroclor-1260 Peak # 3 | B | 12.09 | 0.12 | 0.02 | 140% | | | |
| Aroclor-1260 Peak # 4 | B | 4.996 | 0.05 | 1.63 | 188% | | | |
| Aroclor-1260 Peak # 5 | B | 55.62 | 0.56 | 0.06 | 158% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 32.28 | 0.5000 | 0.3228 | 65 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 26.65 | 0.5000 | 0.2665 | 53 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10143197 | 11.93 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4201938 | 6.36 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

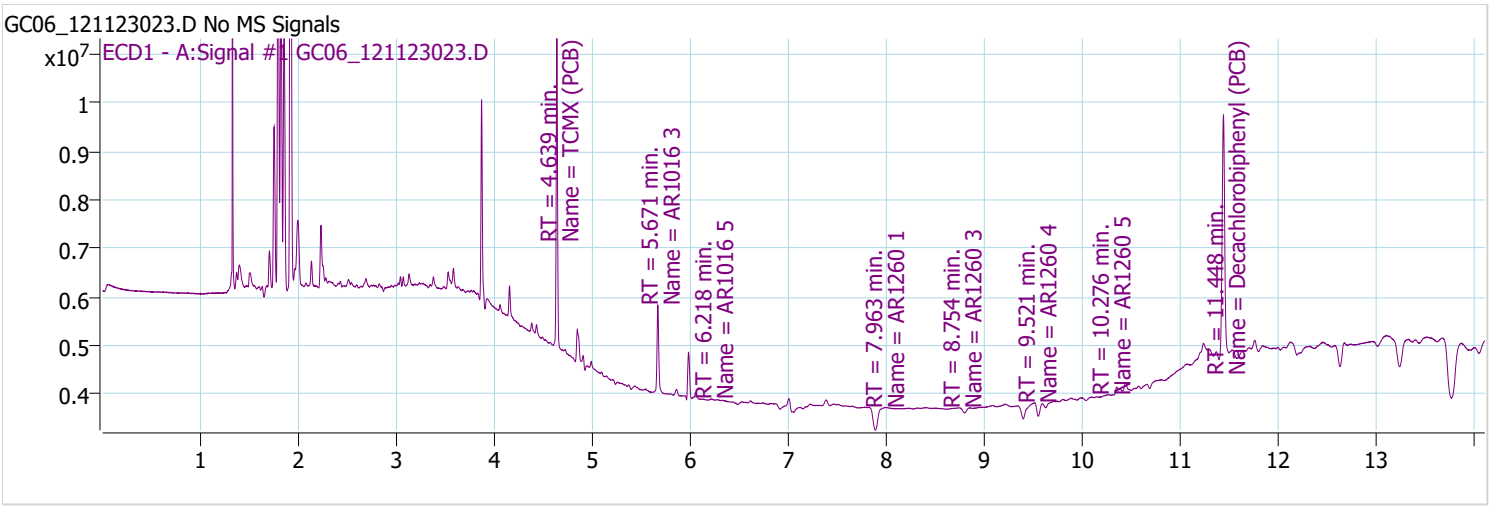
12/12/23 : WIPE/1DM^2-10ML

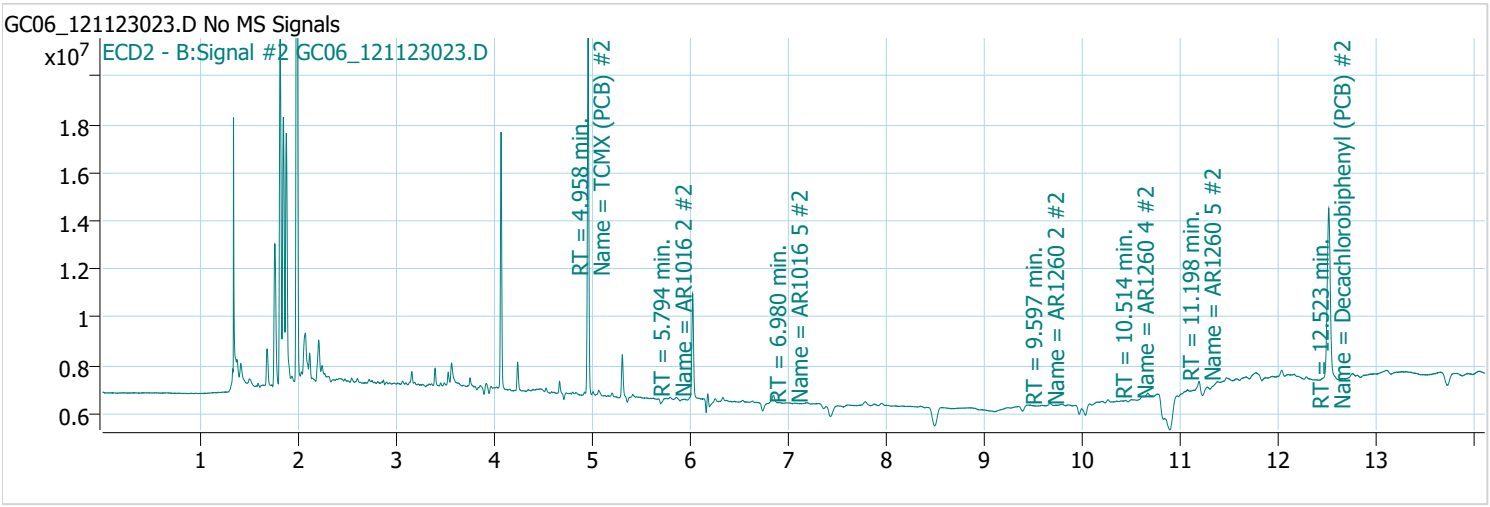
*-=low bias c=CCV u=use*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123023.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 8:06:07 PM |
| Sample Name | 497480-013, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 10 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



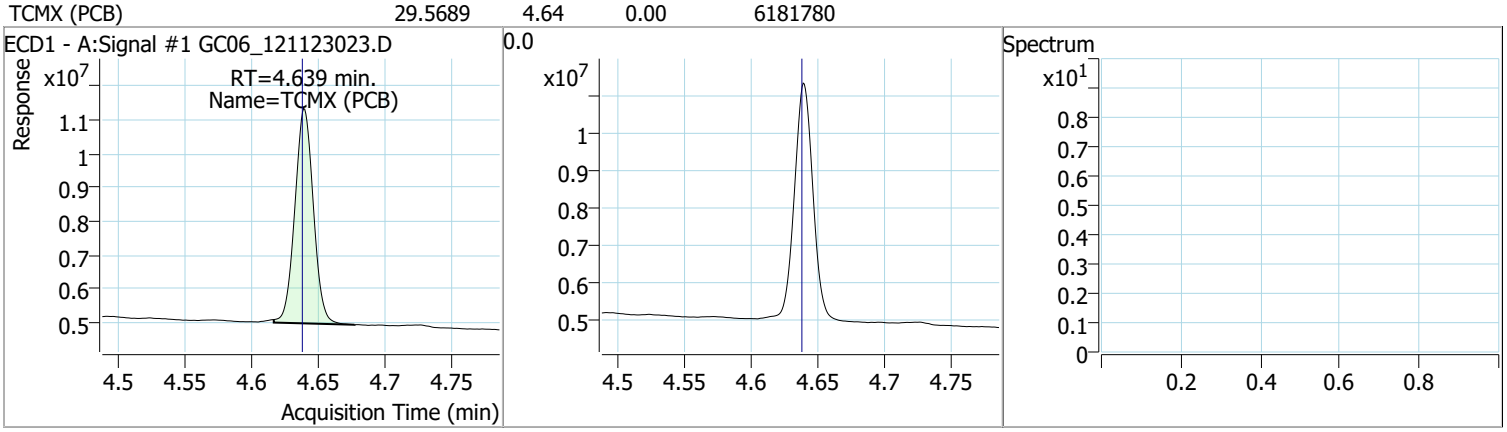




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.871 | 0.0 | 4201937.532 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 10143197.359 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 6181779.814 | 29.5689 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 147.84% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 15389408.264 | 32.2767 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 161.38% | | * | |
| S Decachlorobiphenyl (PCB) | 11.448 | 0.0 | 9365041.349 | 34.9382 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 174.69% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 15519736.117 | 26.6550 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 133.28% | | | |
| **Target Compounds** | | | | | | | QValue |

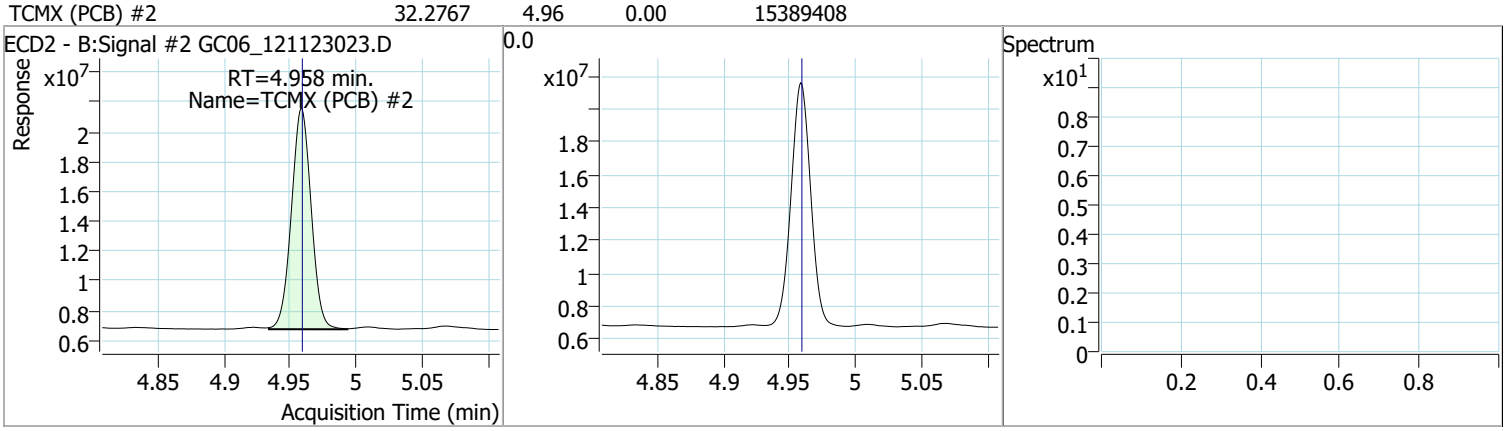
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.990 | 0.0 | 730372.259 | 160.1485 | ng/ml | 100 |
| T AR1016 2 | 5.256 | 0.0 | 342322.006 | 37.3976 | ng/ml | 100 |
| T AR1016 1 #2 | 5.414 | 0.0 | 775045.435 | 82.6335 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 2289609.047 | 206.6876 | ng/ml | 100 |
| T AR1016 2 #2 | 5.794 | 0.0 | 1095141.863 | 55.9492 | ng/ml | 100 |
| T AR1016 4 | 5.796 | 0.0 | 25667.889 | 3.5011 | ng/ml | 100 |
| T AR1016 5 | 6.218 | 0.0 | 53053.439 | 8.0416 | ng/ml | 100 |
| T AR1016 3 #2 | 6.257 | 0.0 | 1554804.036 | 59.6937 | ng/ml | 100 |
| T AR1016 4 #2 | 6.452 | 0.0 | 17498.250 | 1.0000 | ng/ml | 100 |
| T AR1016 5 #2 | 6.980 | 0.0 | 74506.882 | 5.1542 | ng/ml | 100 |
| T AR1260 1 | 7.963 | 0.0 | 1576594.998 | 124.1014 | ng/ml | 100 |
| T AR1260 2 | 8.318 | 0.0 | 47182.625 | 2.3835 | ng/ml | 100 |
| T AR1260 3 | 8.754 | 0.0 | 44701.574 | 2.1505 | ng/ml | 100 |
| T AR1260 1 #2 | 9.358 | 0.0 | 1216294.061 | 45.2925 | ng/ml | 100 |
| T AR1260 4 | 9.521 | 0.0 | 1785581.860 | 163.4111 | ng/ml | 100 |
| T AR1260 2 #2 | 9.597 | 0.0 | 268787.045 | 8.2960 | ng/ml | 100 |
| T AR1260 3 #2 | 9.998 | 0.0 | 499419.280 | 12.0921 | ng/ml | 100 |
| T AR1260 5 | 10.276 | 0.0 | 90476.299 | 6.4889 | ng/ml | 100 |
| T AR1260 4 #2 | 10.514 | 0.0 | 125460.603 | 4.9965 | ng/ml | 100 |
| T AR1260 5 #2 | 11.198 | 0.0 | 2069692.349 | 55.6158 | ng/ml | 100 |

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

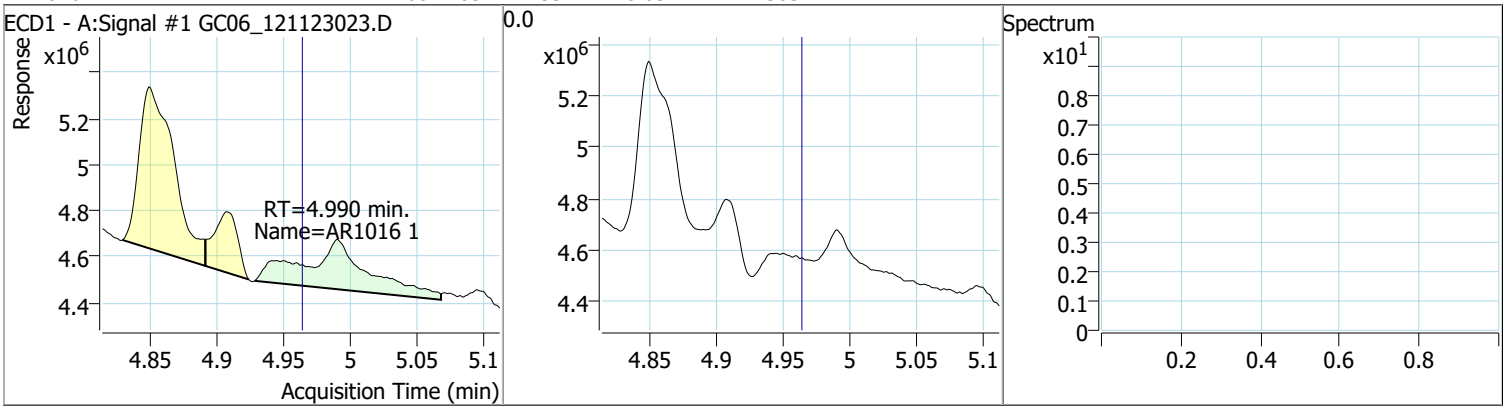
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 29.5689 | 4.64 | 0.00 | 6181780 | | | | |



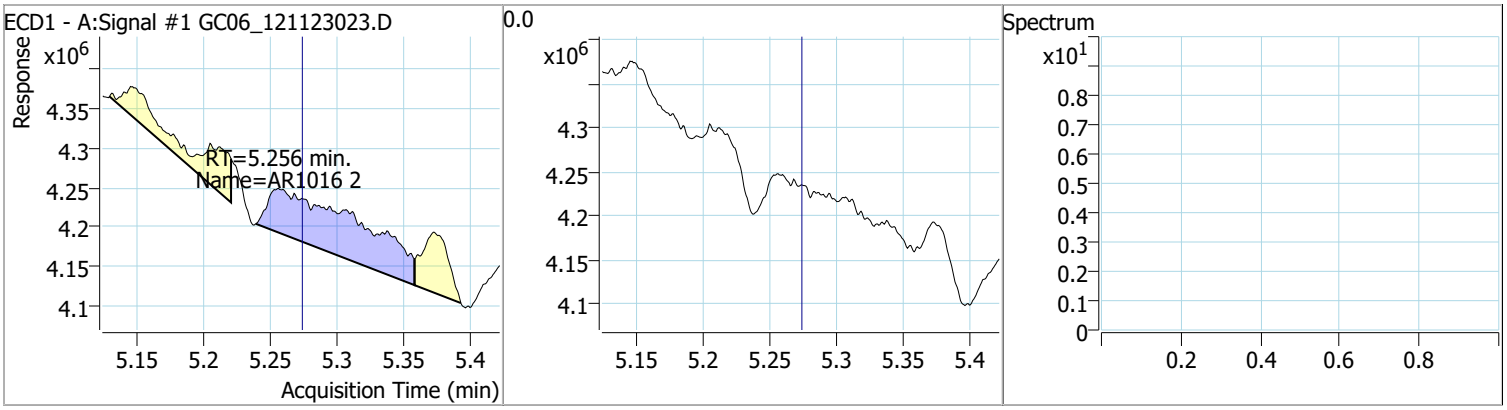

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 32.2767 | 4.96 | 0.00 | 15389408 | | | | |



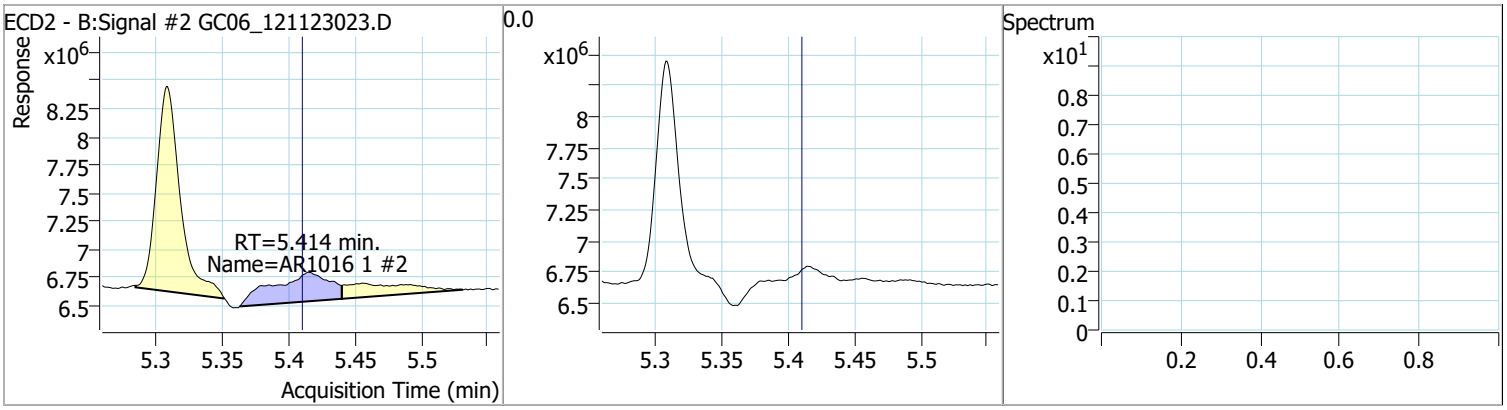

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 160.1485 | 4.99 | 0.03 | 730372 | | | | |



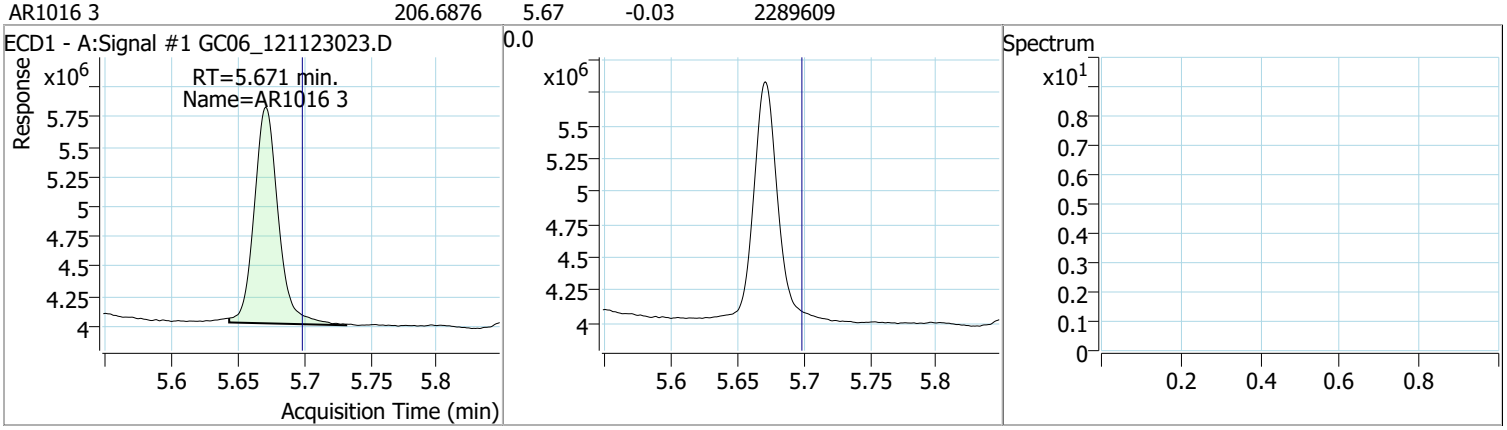

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 37.3976 | 5.26 | -0.02 | 342322 | | | | |



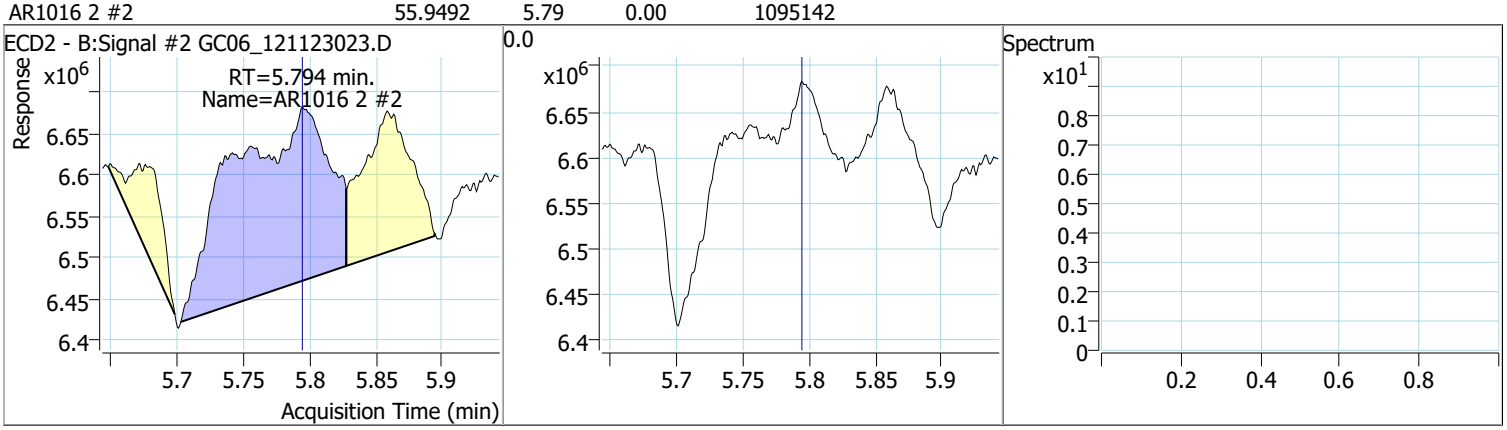
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 82.6335 | 5.41 | 0.01 | 775045 | | | | |



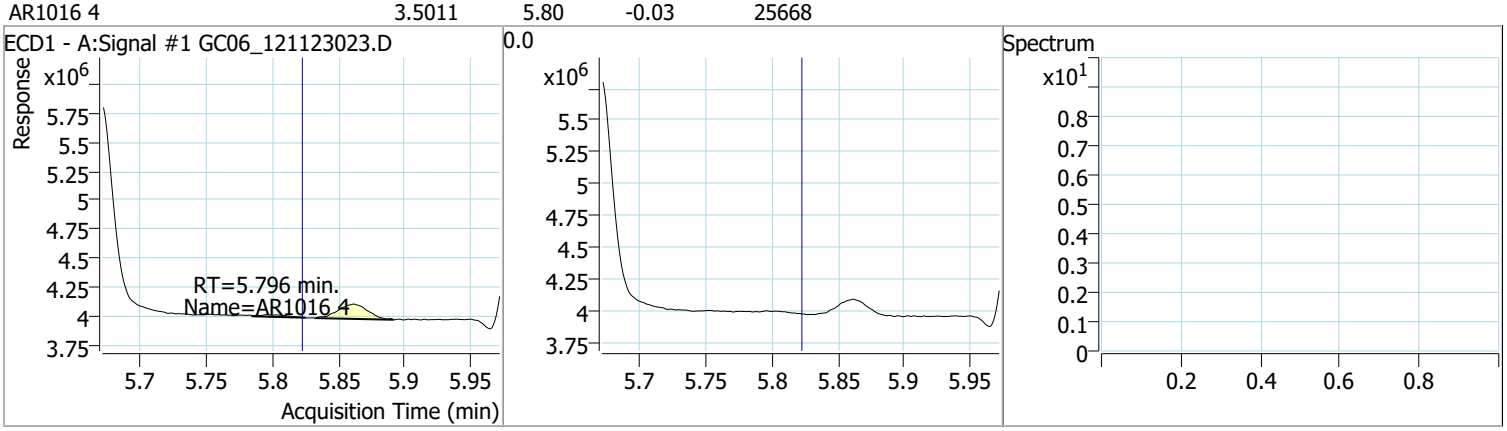

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 206.6876 | 5.67 | -0.03 | 2289609 | | | | |



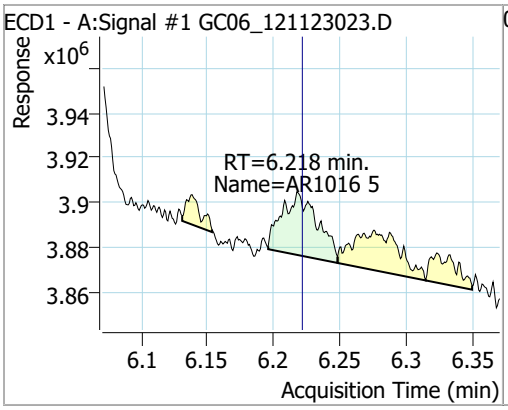

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 55.9492 | 5.79 | 0.00 | 1095142 | | | | |

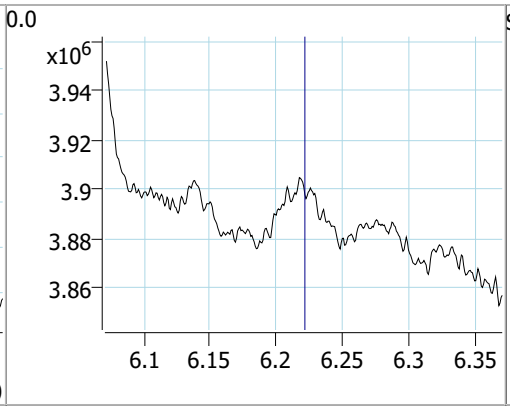


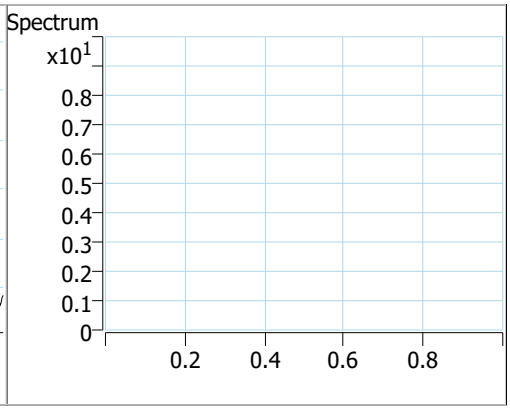

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 3.5011 | 5.80 | -0.03 | 25668 | | | | |



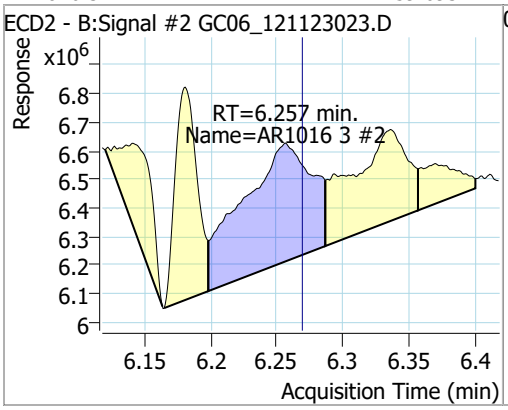
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 8.0416 | 6.22 | -0.01 | 53053 | | | | |

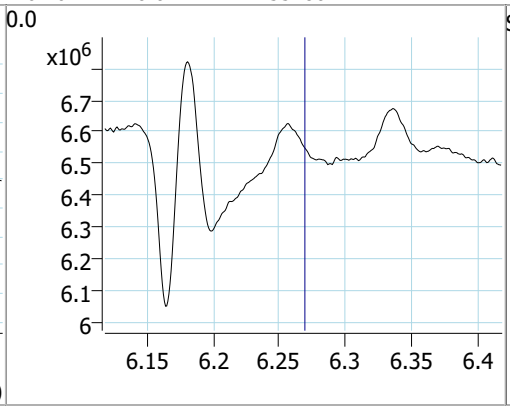


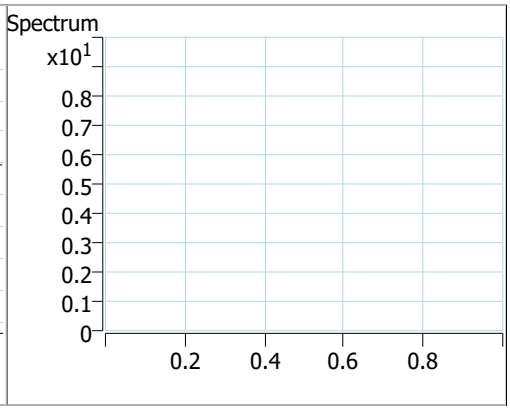



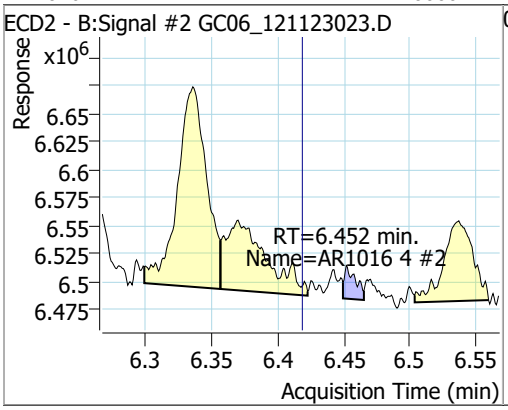

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 59.6937 | 6.26 | -0.01 | 1554804 | | | | |

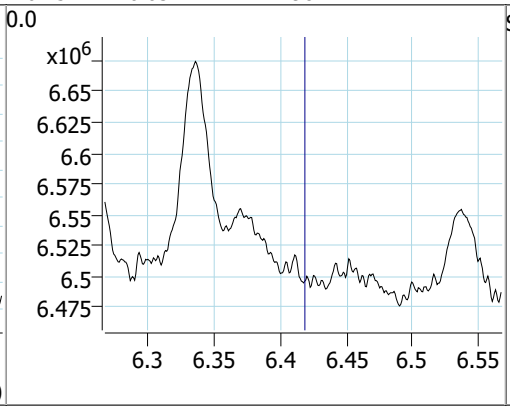


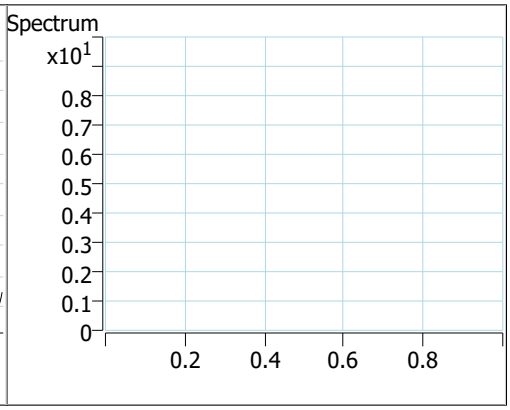



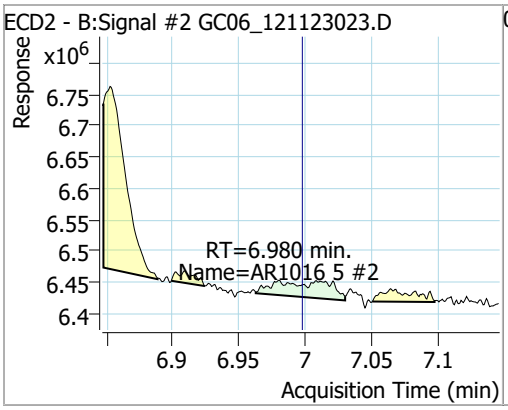

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1.0000 | 6.45 | 0.03 | 17498 | | | | |

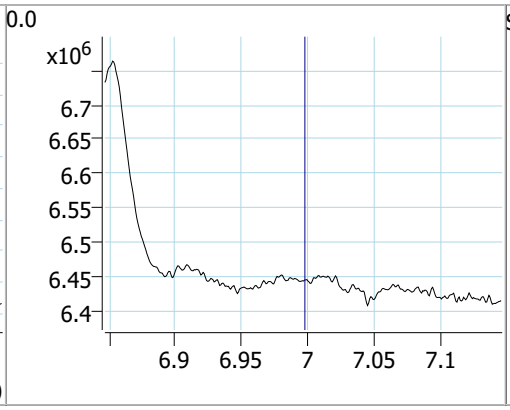


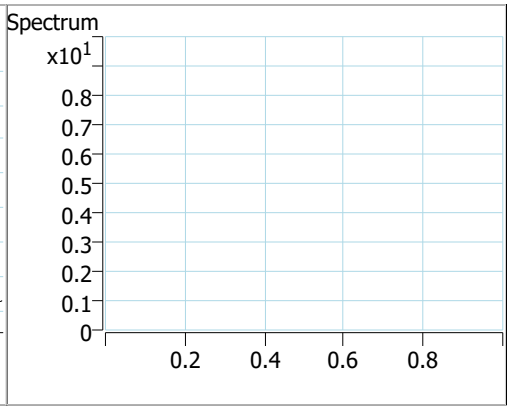



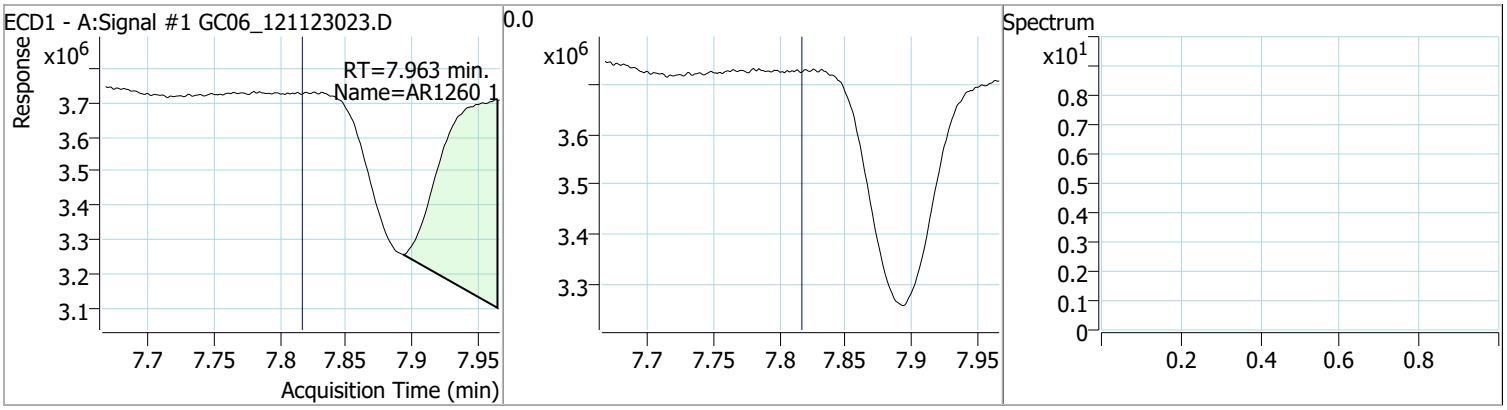

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 5.1542 | 6.98 | -0.02 | 74507 | | | | |



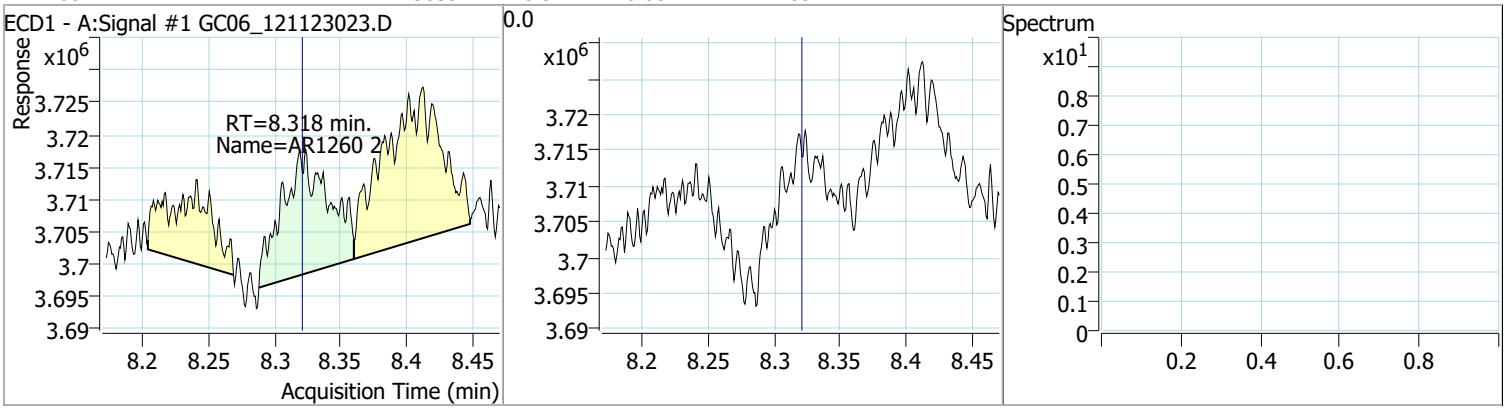



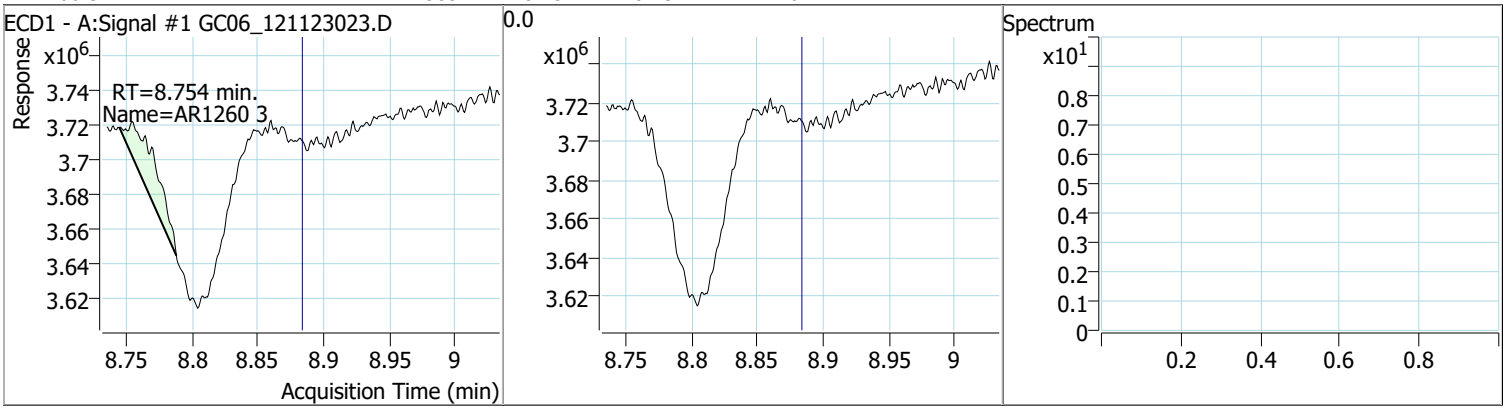
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 124.1014 | 7.96 | 0.14 | 1576595 | | | | |



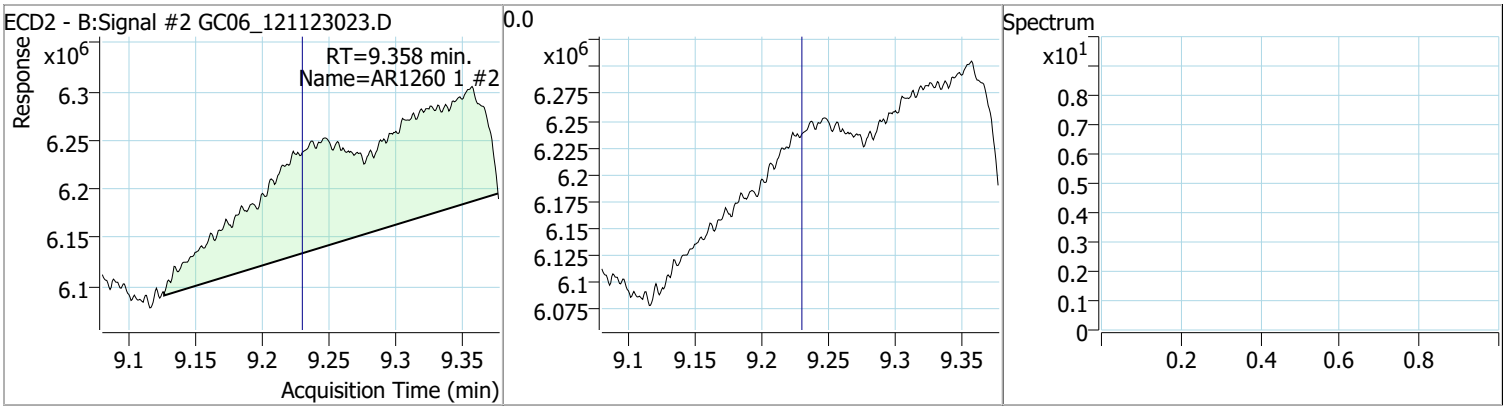

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.3835 | 8.32 | 0.00 | 47183 | | | | |



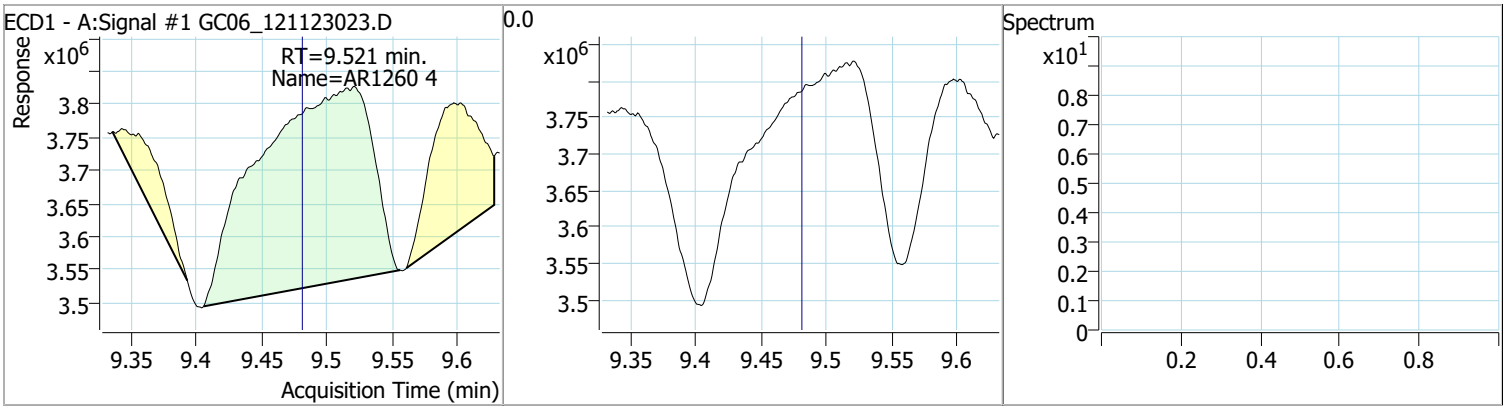

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 2.1505 | 8.75 | -0.13 | 44702 | | | | |



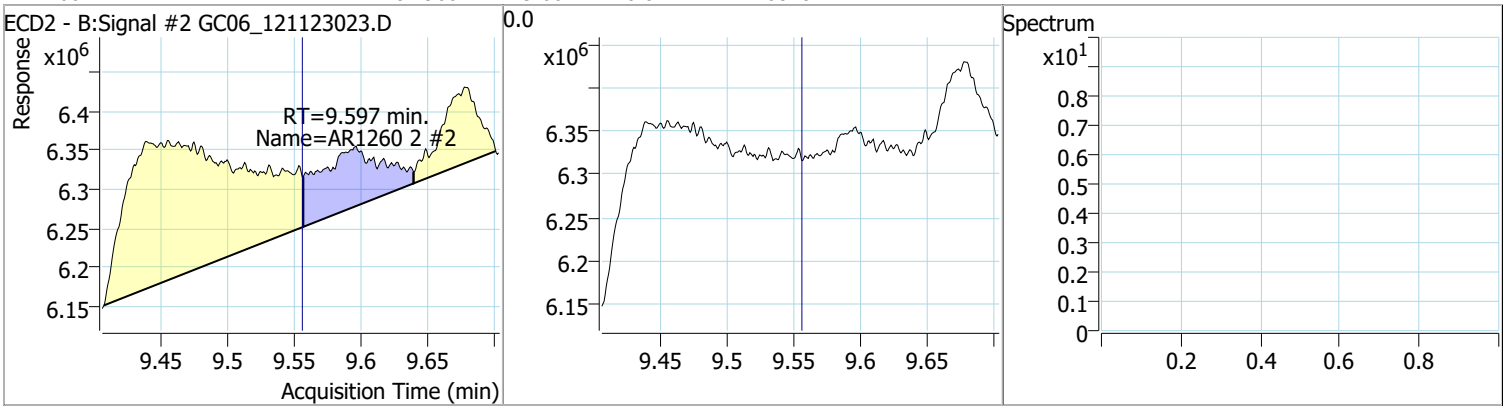

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 45.2925 | 9.36 | 0.13 | 1216294 | | | | |



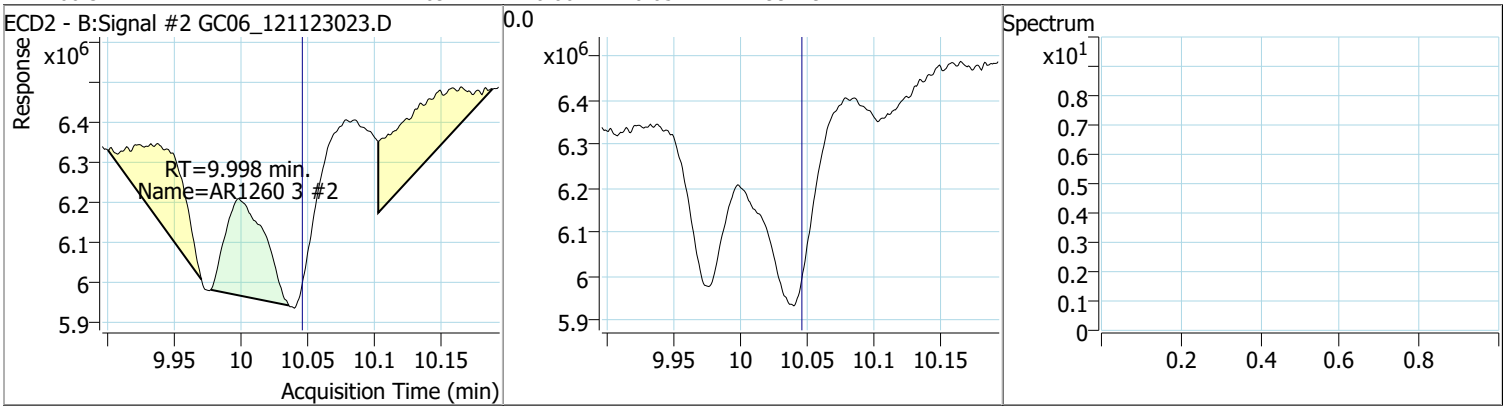
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 163.4111 | 9.52 | 0.04 | 1785582 | | | | |



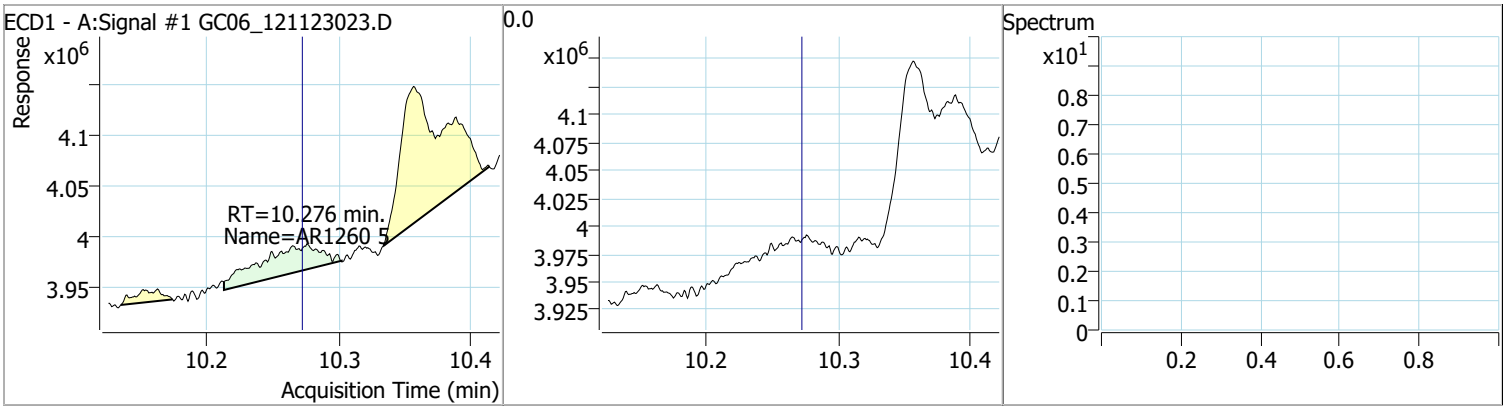

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 8.2960 | 9.60 | 0.04 | 268787 | | | | |



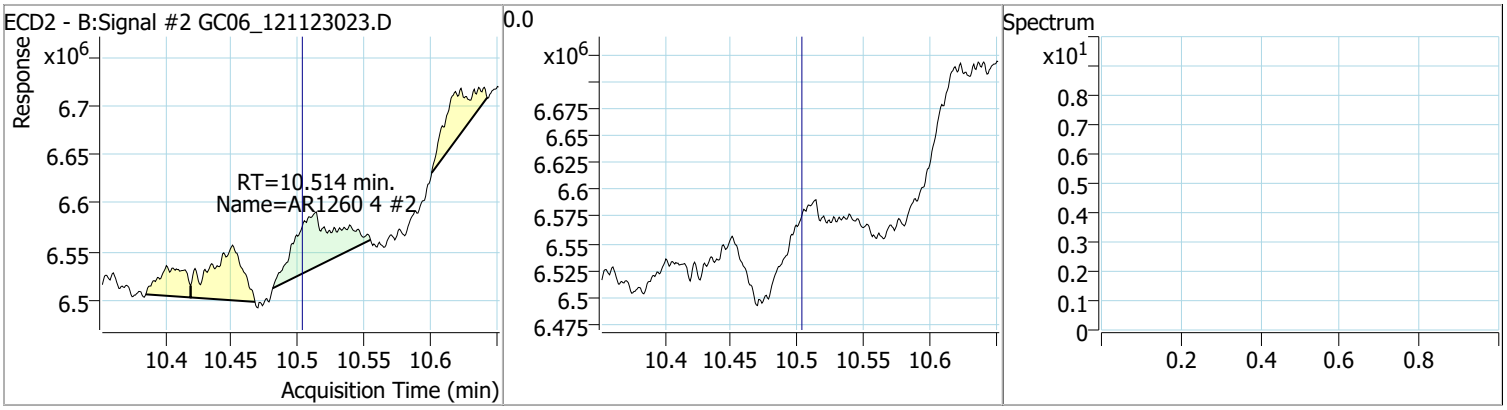

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 12.0921 | 10.00 | -0.05 | 499419 | | | | |



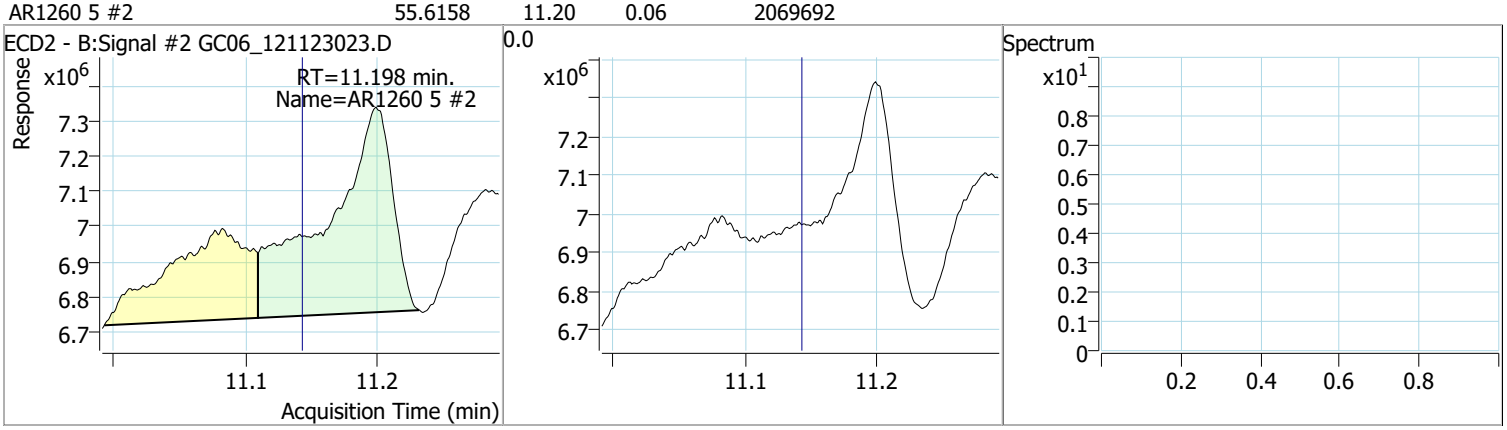

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 6.4889 | 10.28 | 0.00 | 90476 | | | | |



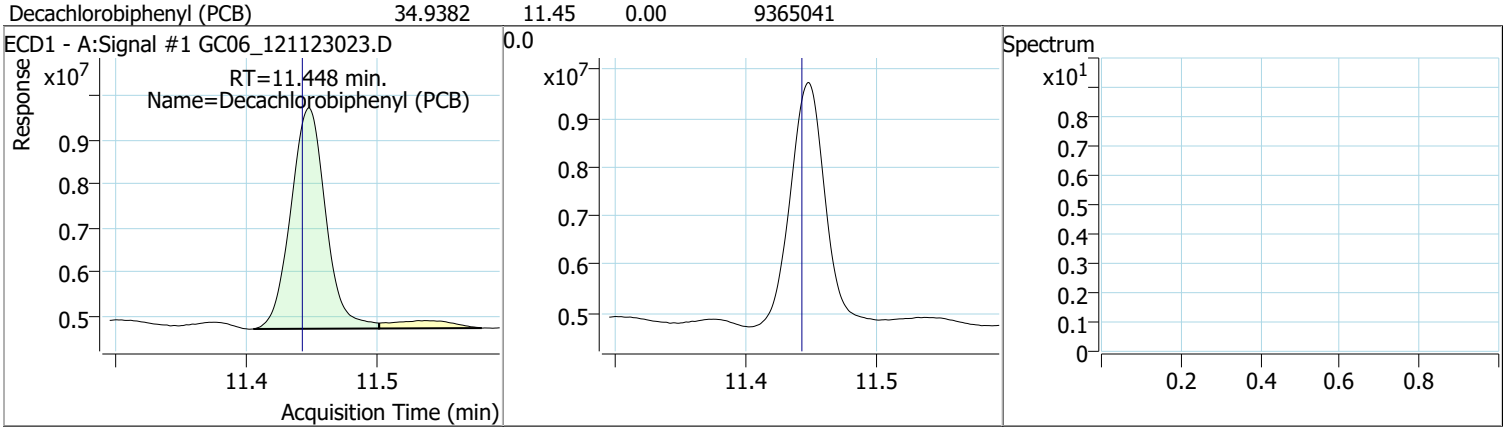
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 4.9965 | 10.51 | 0.01 | 125461 | | | | |



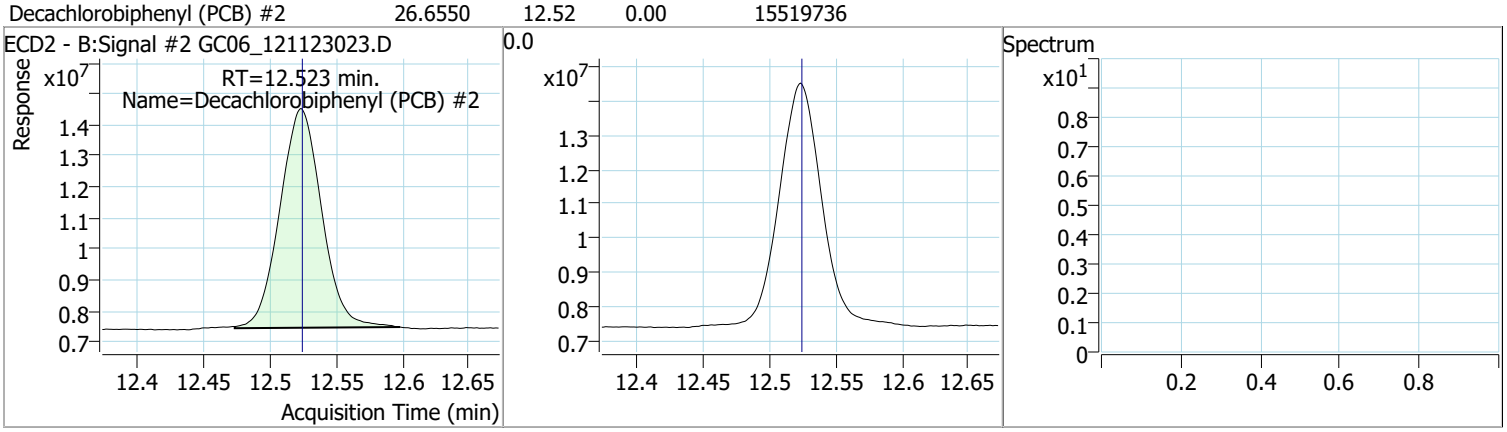

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 55.6158 | 11.20 | 0.06 | 2069692 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 34.9382 | 11.45 | 0.00 | 9365041 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 26.6550 | 12.52 | 0.00 | 15519736 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-015 | Client ID: | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-P-WF |
| Seqnum: | 453497606024 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123024 | Batch: | 328150 | Time: | 11-DEC-2023 20:24 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 42.26 | ND | 0.79 | 60% | 0.50 | | u |
| Aroclor-1016 Peak # 1 | B | 96.34 | 0.96 | 1.62 | 51% | | | |
| Aroclor-1016 Peak # 2 | B | 20.41 | 0.20 | 1.27 | 145% | | | |
| Aroclor-1016 Peak # 3 | B | 83.47 | 0.83 | 0.78 | 7% | | | |
| Aroclor-1016 Peak # 4 | B | 9.776 | 0.10 | 0.06 | 44% | | | |
| Aroclor-1016 Peak # 5 | B | 1.286 | 0.01 | 0.20 | 176% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 13.88 | ND | 0.31 | 76% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 32.77 | 0.33 | 0.03 | 163% | | | |
| Aroclor-1260 Peak # 2 | B | 6.641 | 0.07 | 0.03 | 83% | | | |
| Aroclor-1260 Peak # 3 | B | 8.120 | 0.08 | 0.01 | 172% | | | |
| Aroclor-1260 Peak # 4 | B | 7.259 | 0.07 | 1.38 | 180% | | | |
| Aroclor-1260 Peak # 5 | B | 14.62 | 0.15 | 0.10 | 37% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 29.08 | 0.5000 | 0.2908 | 58 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 24.89 | 0.5000 | 0.2489 | 50 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10963722 | 20.99 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4313204 | 9.18 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

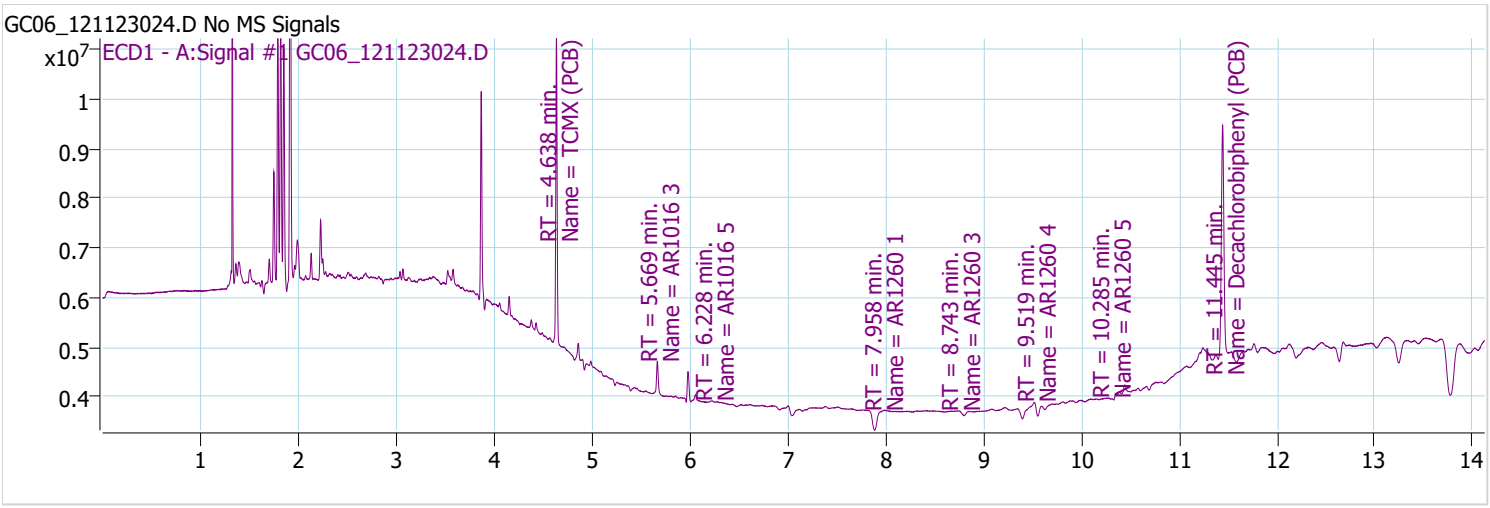
12/12/23 : WIPE/1DM^2-10ML

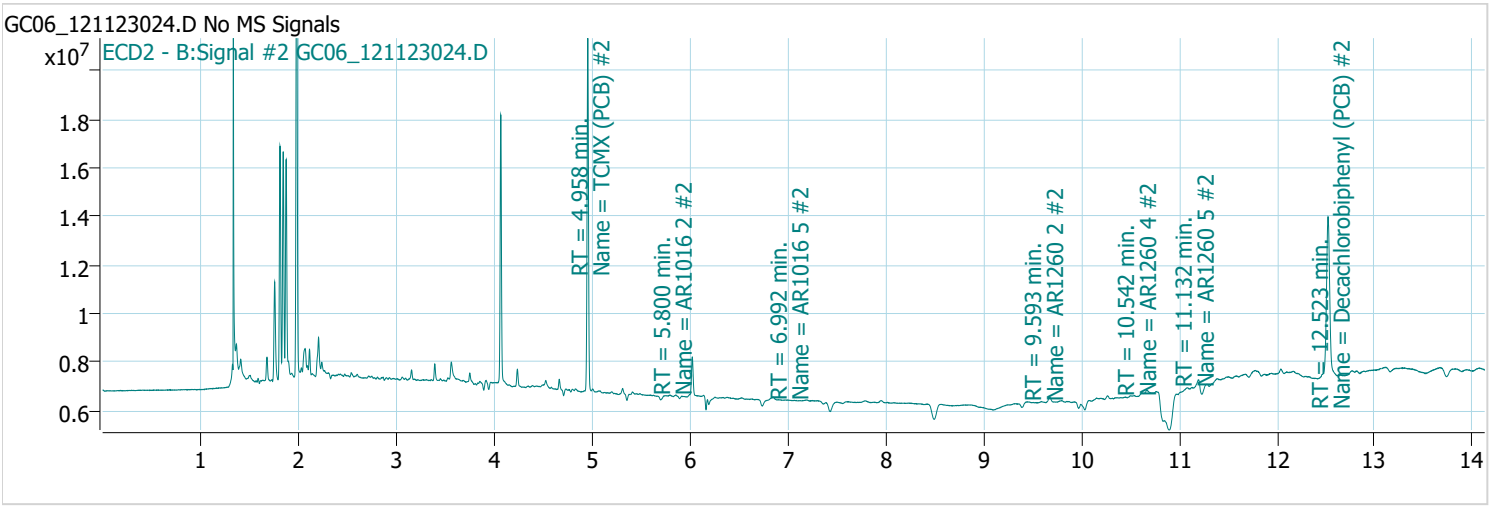
*-=low bias c=CCV u=use*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123024.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 8:24:53 PM |
| Sample Name | 497480-015, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 11 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



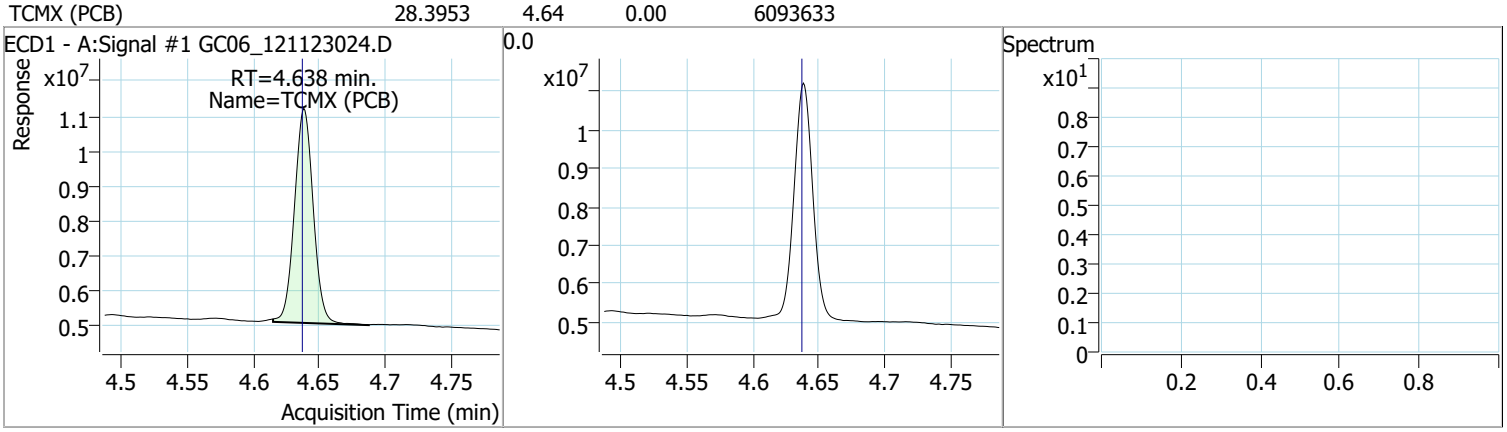




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.870 | 0.0 | 4313204.453 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.069 | 0.0 | 10963722.471 | 20.0000 | ng/ml | | -0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.638 | 0.0 | 6093632.728 | 28.3953 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 141.98% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 14988211.887 | 29.0826 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 145.41% | | | |
| S Decachlorobiphenyl (PCB) | 11.445 | 0.0 | 9291430.108 | 33.7693 | ng/ml | | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 168.85% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 15663076.021 | 24.8879 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 124.44% | | | |
| **Target Compounds** | | | | | | | QValue |

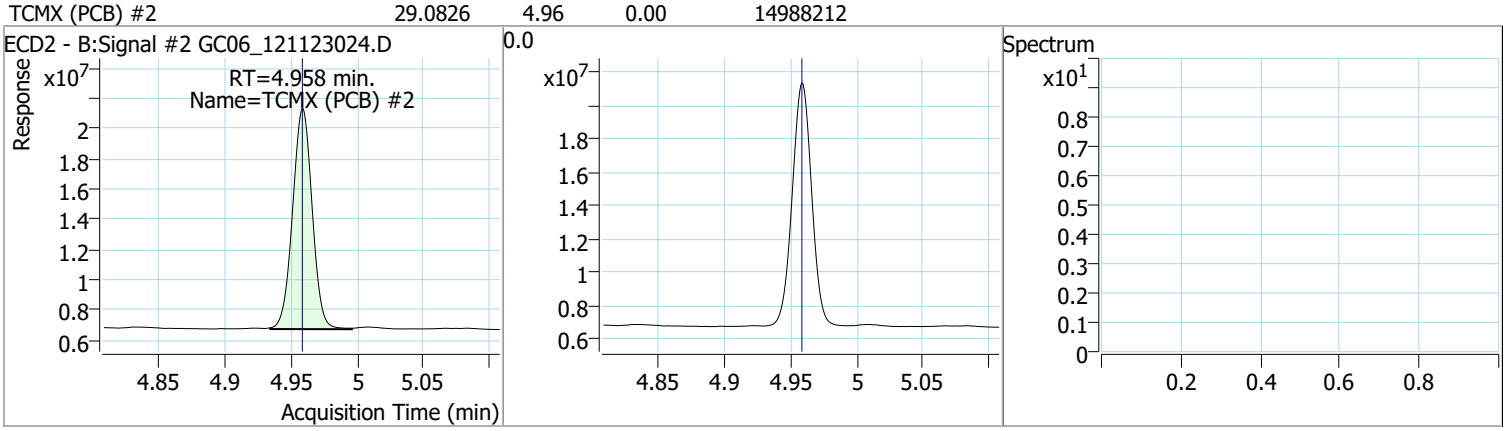
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.989 | 0.0 | 760039.195 | 162.3544 | ng/ml | 100 |
| T AR1016 2 | 5.258 | 0.0 | 1195857.010 | 127.2736 | ng/ml | 100 |
| T AR1016 1 #2 | 5.413 | 0.0 | 976717.847 | 96.3418 | ng/ml | 100 |
| T AR1016 3 | 5.669 | 0.0 | 881296.585 | 77.5041 | ng/ml | 100 |
| T AR1016 2 #2 | 5.800 | 0.0 | 431740.957 | 20.4063 | ng/ml | 100 |
| T AR1016 4 | 5.812 | 0.0 | 47101.872 | 6.2589 | ng/ml | 100 |
| T AR1016 5 | 6.228 | 0.0 | 135514.284 | 20.0108 | ng/ml | 100 |
| T AR1016 3 #2 | 6.257 | 0.0 | 2349917.003 | 83.4685 | ng/ml | 100 |
| T AR1016 4 #2 | 6.383 | 0.0 | 184892.979 | 9.7760 | ng/ml | 100 |
| T AR1016 5 #2 | 6.992 | 0.0 | 20098.763 | 1.2863 | ng/ml | 100 |
| T AR1260 1 | 7.958 | 0.0 | 43869.409 | 3.3641 | ng/ml | 100 |
| T AR1260 2 | 8.322 | 0.0 | 56054.033 | 2.7585 | ng/ml | 100 |
| T AR1260 3 | 8.743 | 0.0 | 12874.177 | 0.6034 | ng/ml | 100 |
| T AR1260 1 #2 | 9.313 | 0.0 | 951275.751 | 32.7726 | ng/ml | 100 |
| T AR1260 4 | 9.519 | 0.0 | 1544990.113 | 137.7454 | ng/ml | 100 |
| T AR1260 2 #2 | 9.593 | 0.0 | 232571.175 | 6.6410 | ng/ml | 100 |
| T AR1260 3 #2 | 9.994 | 0.0 | 362492.056 | 8.1199 | ng/ml | 100 |
| T AR1260 5 | 10.285 | 0.0 | 143864.294 | 10.0517 | ng/ml | 100 |
| T AR1260 4 #2 | 10.542 | 0.0 | 197003.986 | 7.2586 | ng/ml | 100 |
| T AR1260 5 #2 | 11.132 | 0.0 | 588024.153 | 14.6186 | ng/ml | 100 |

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

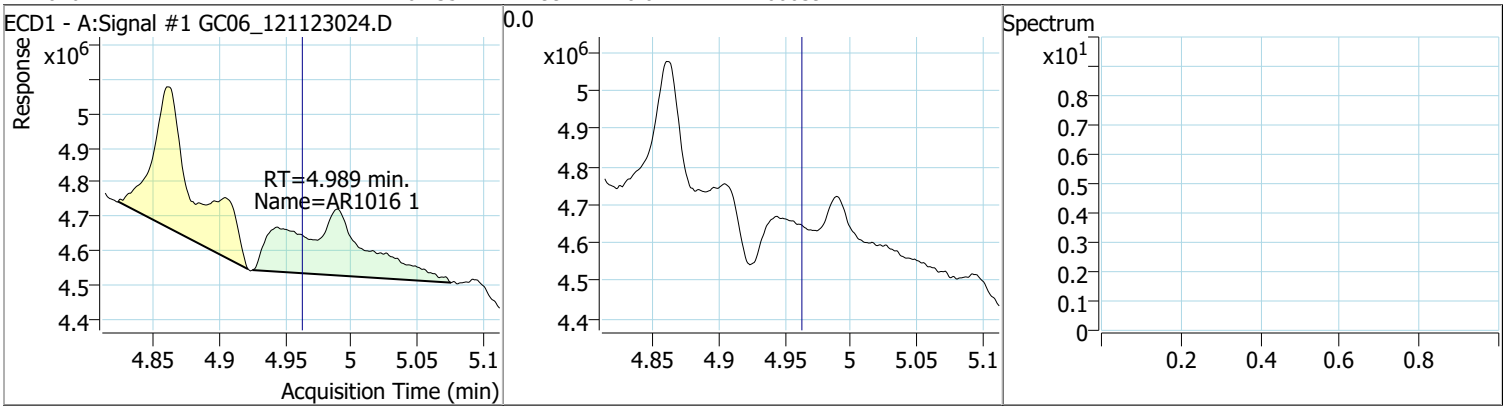
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 28.3953 | 4.64 | 0.00 | 6093633 | | | | |



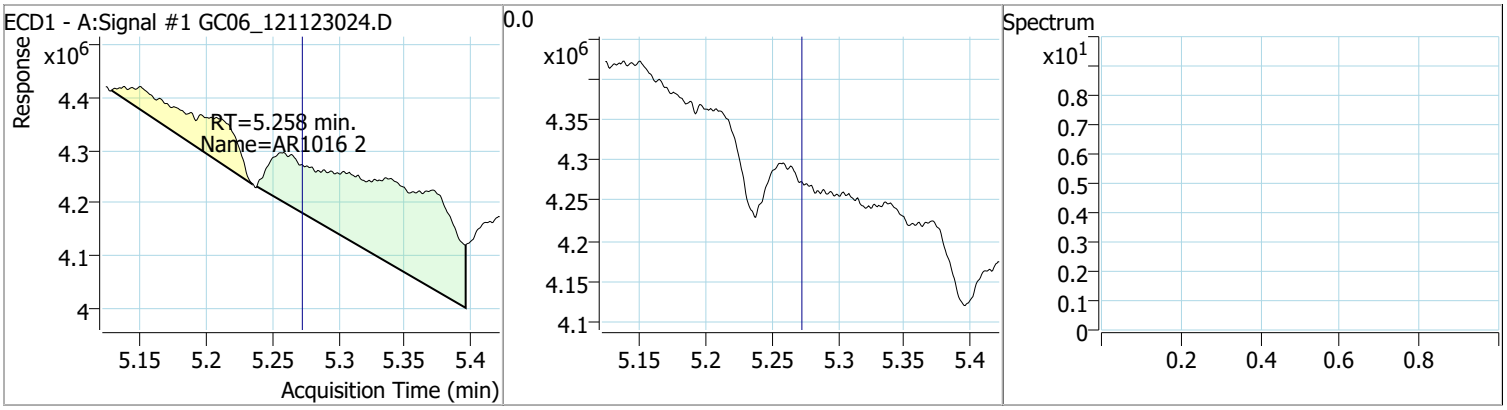

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 29.0826 | 4.96 | 0.00 | 14988212 | | | | |



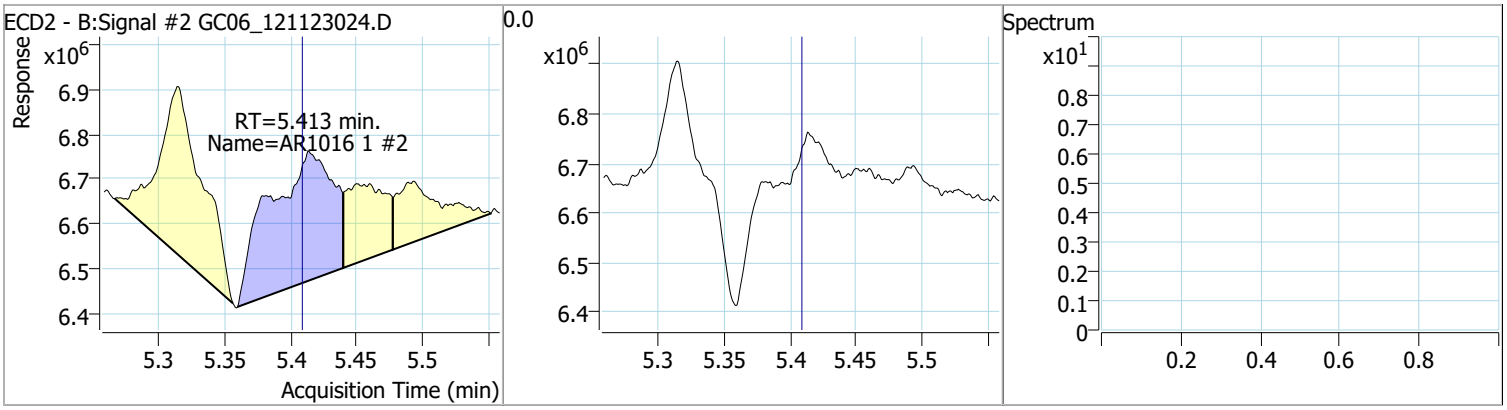

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 162.3544 | 4.99 | 0.02 | 760039 | | | | |



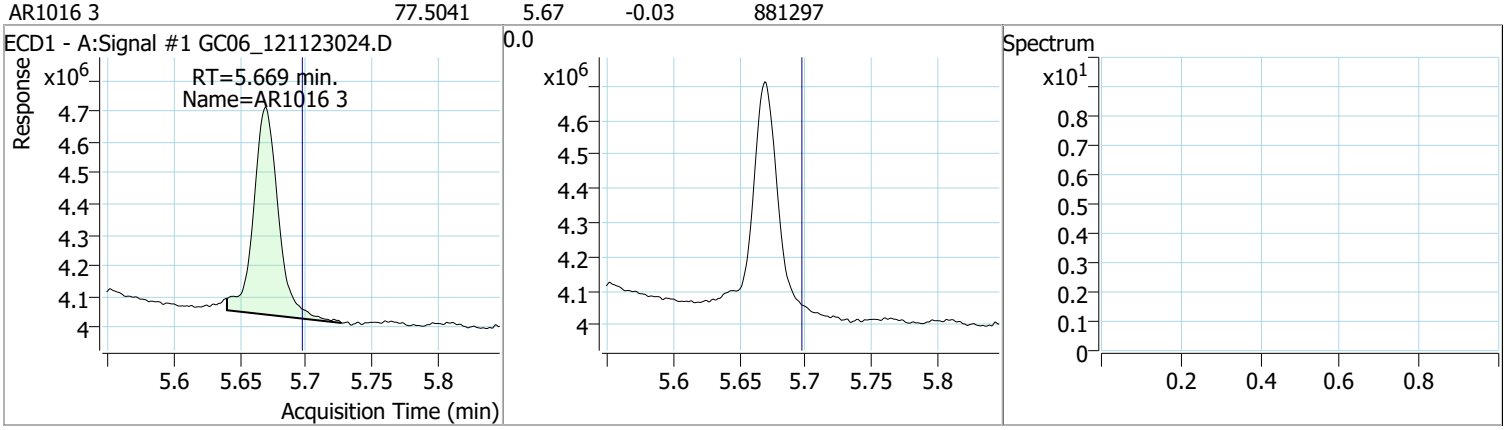

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 127.2736 | 5.26 | -0.02 | 1195857 | | | | |



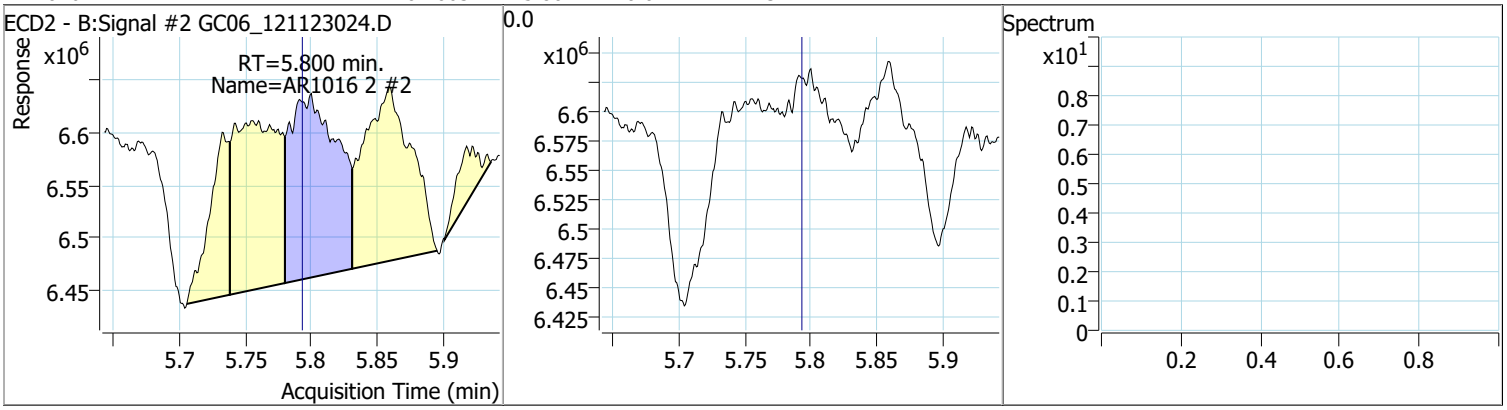
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 96.3418 | 5.41 | 0.00 | 976718 | | | | |



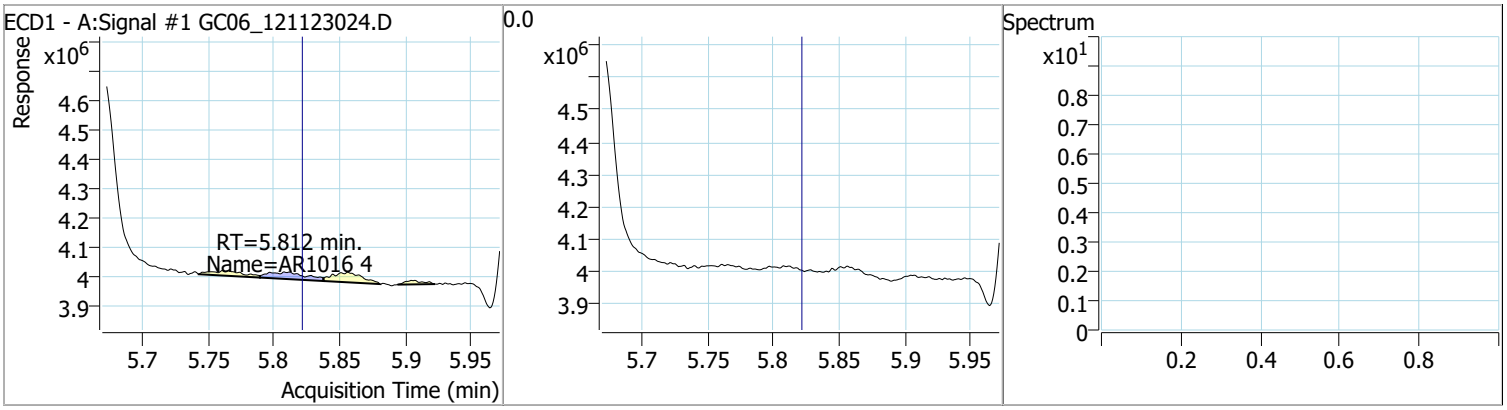

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 77.5041 | 5.67 | -0.03 | 881297 | | | | |



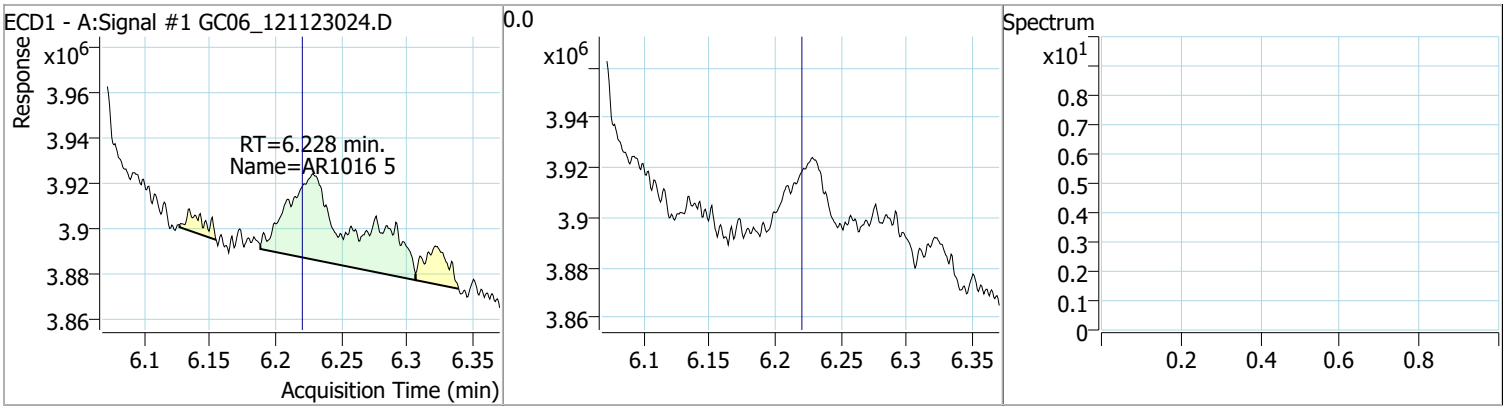

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 20.4063 | 5.80 | 0.01 | 431741 | | | | |



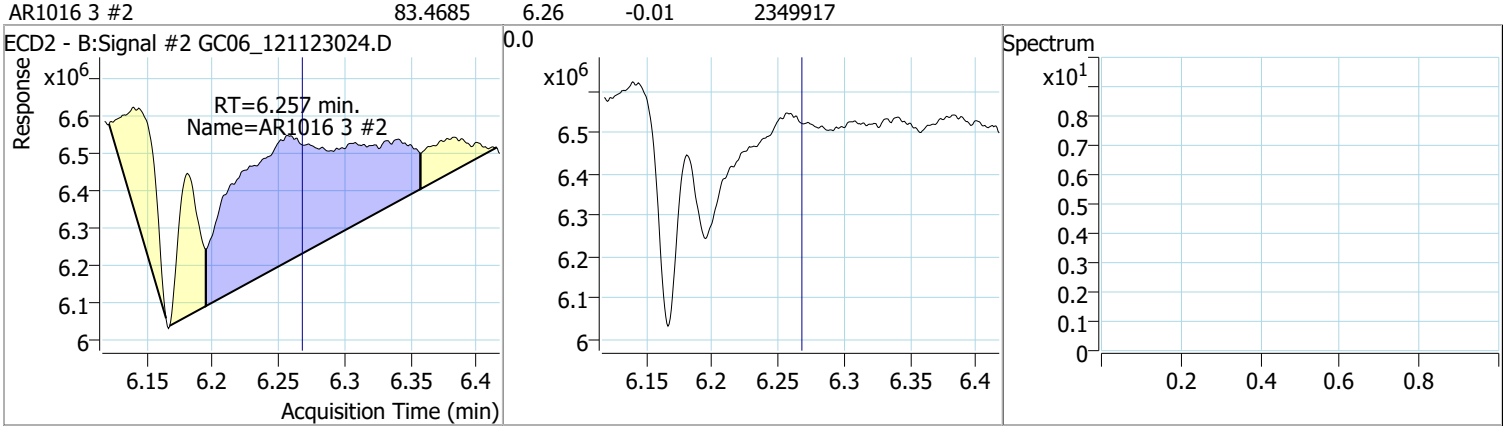

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 6.2589 | 5.81 | -0.01 | 47102 | | | | |



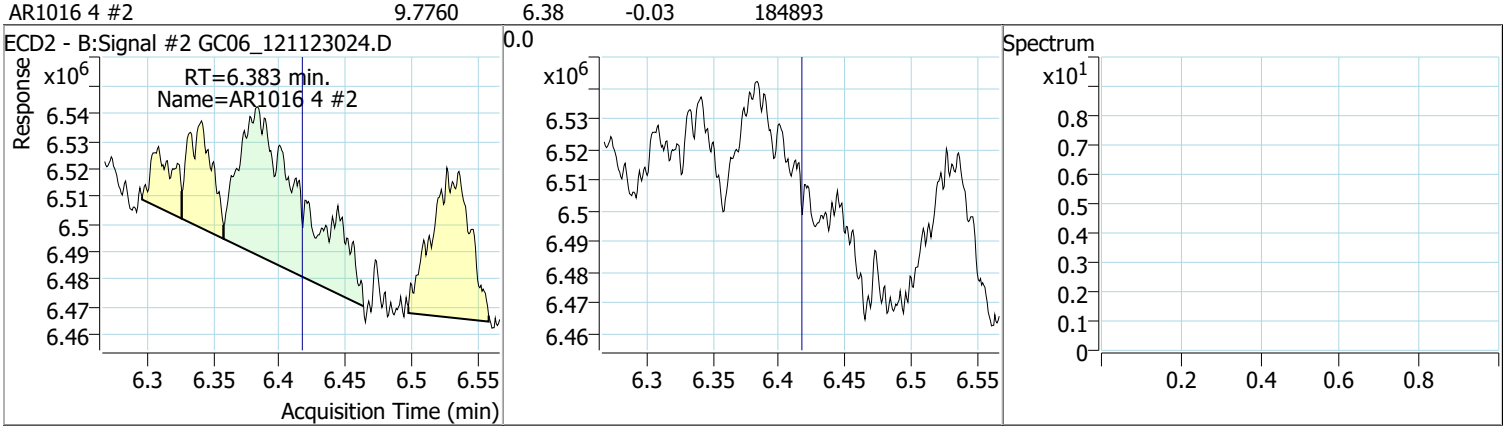
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 20.0108 | 6.23 | 0.01 | 135514 | | | | |



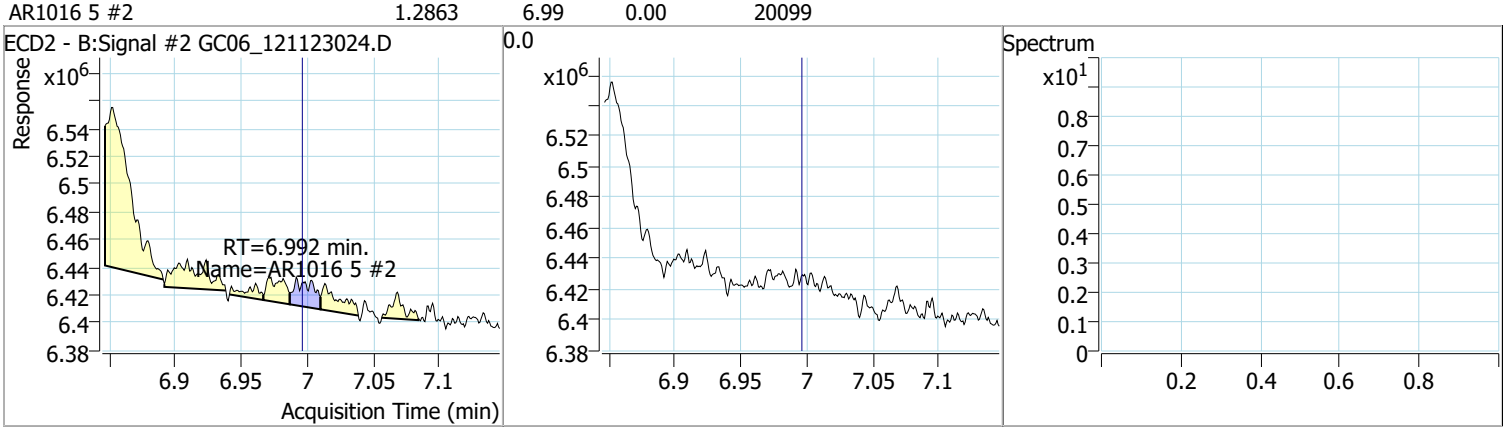

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 83.4685 | 6.26 | -0.01 | 2349917 | | | | |



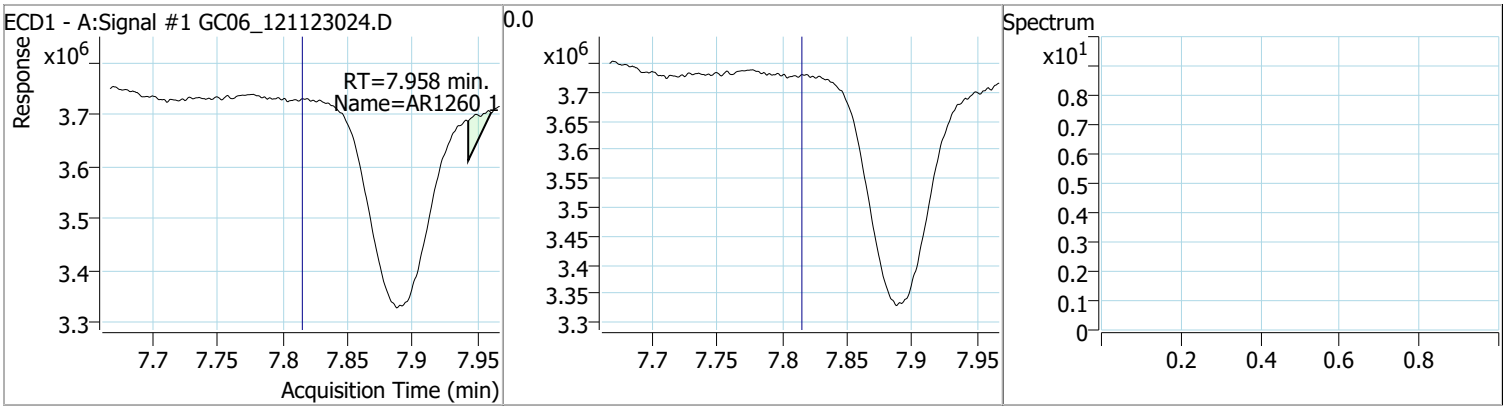

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 9.7760 | 6.38 | -0.03 | 184893 | | | | |



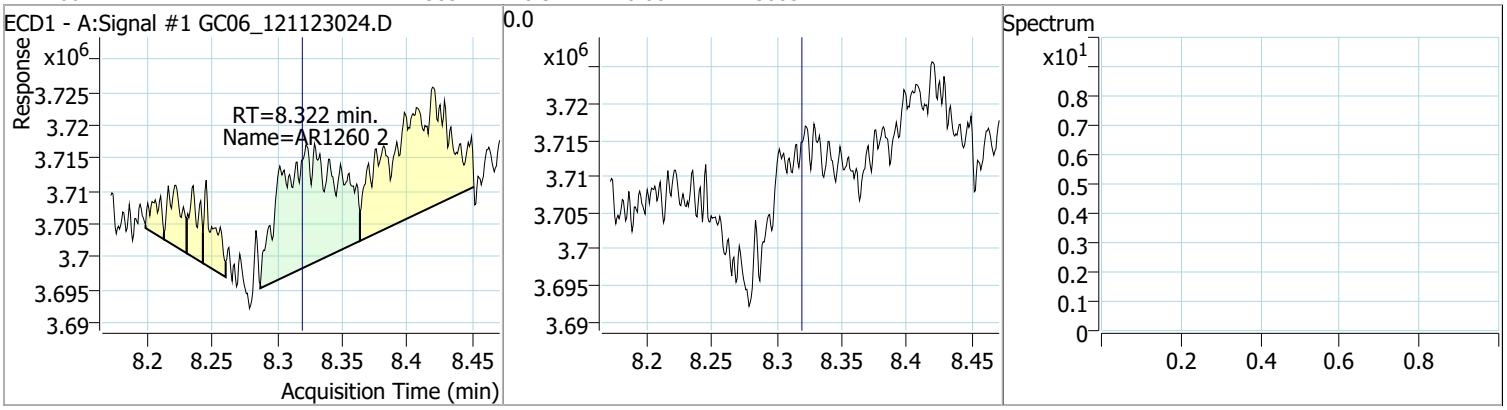

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.2863 | 6.99 | 0.00 | 20099 | | | | |



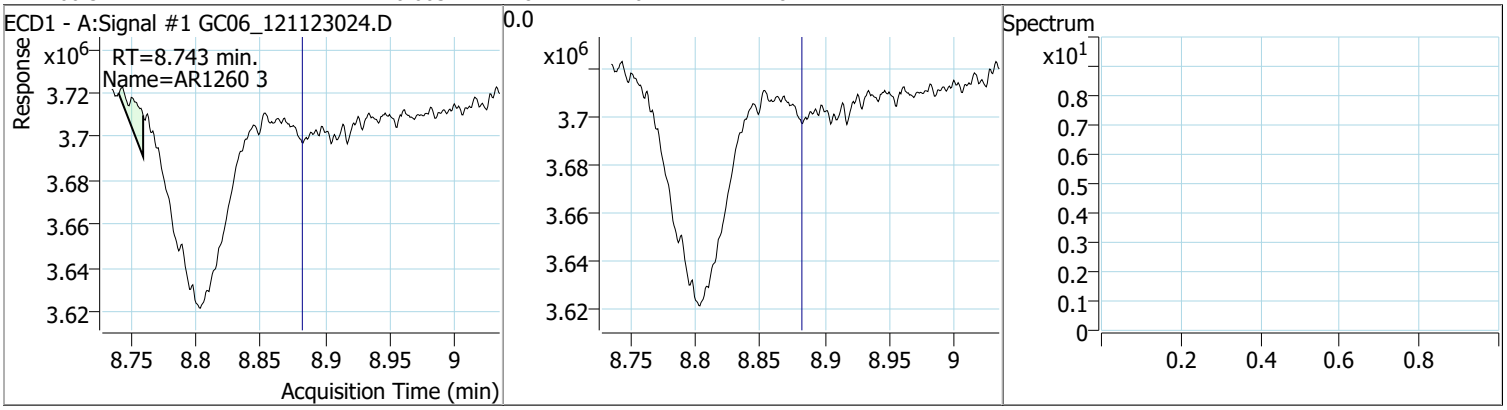
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 3.3641 | 7.96 | 0.14 | 43869 | | | | |



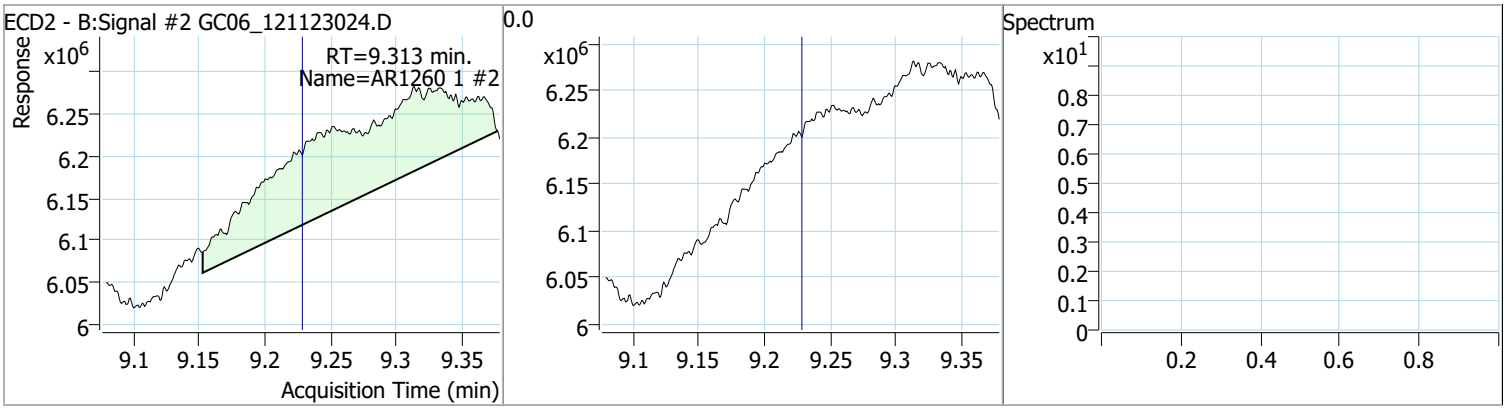

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.7585 | 8.32 | 0.00 | 56054 | | | | |



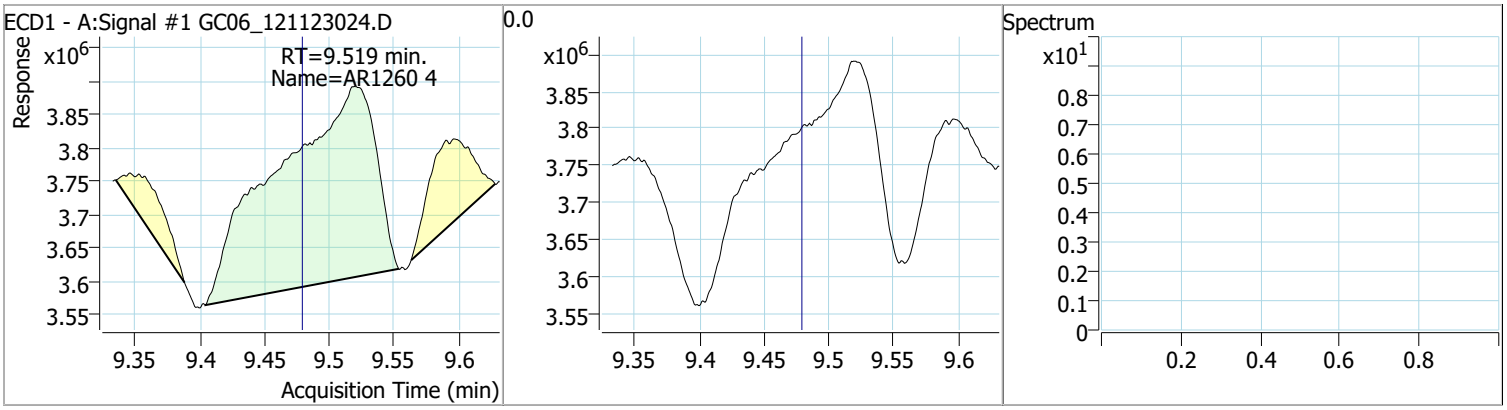

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 0.6034 | 8.74 | -0.14 | 12874 | | | | |



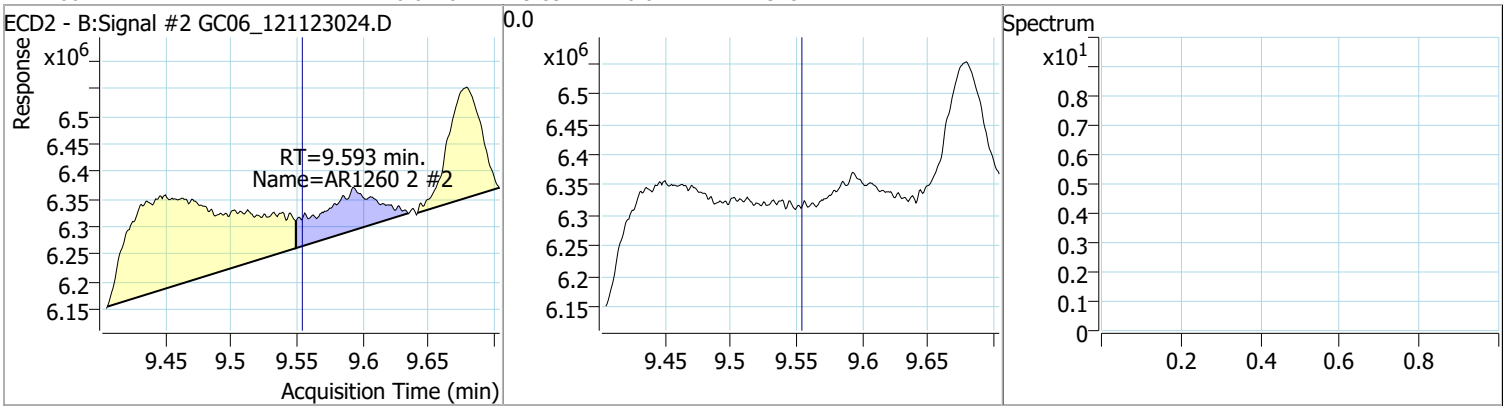

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 32.7726 | 9.31 | 0.08 | 951276 | | | | |



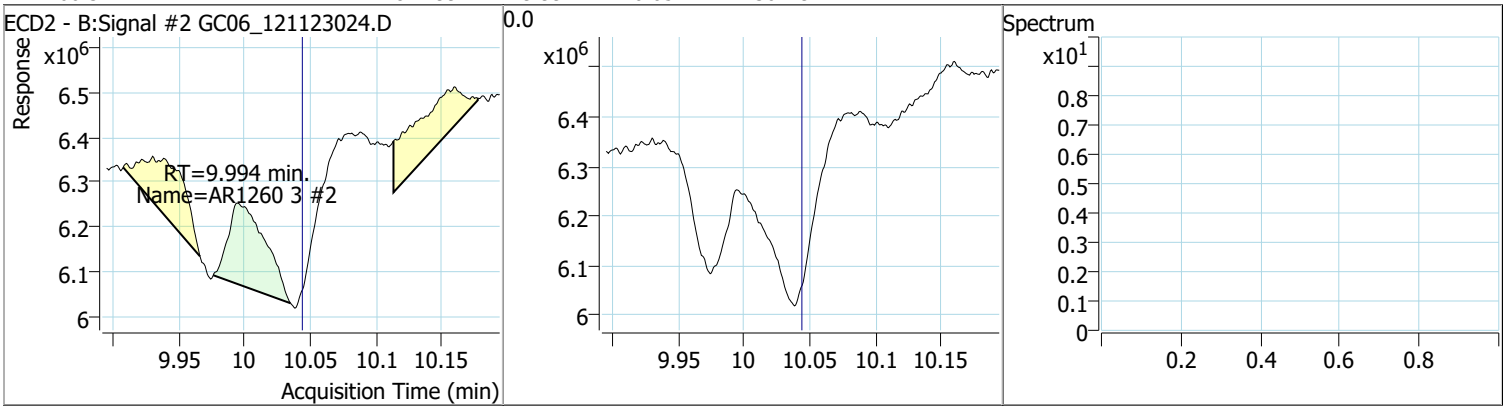
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 137.7454 | 9.52 | 0.04 | 1544990 | | | | |



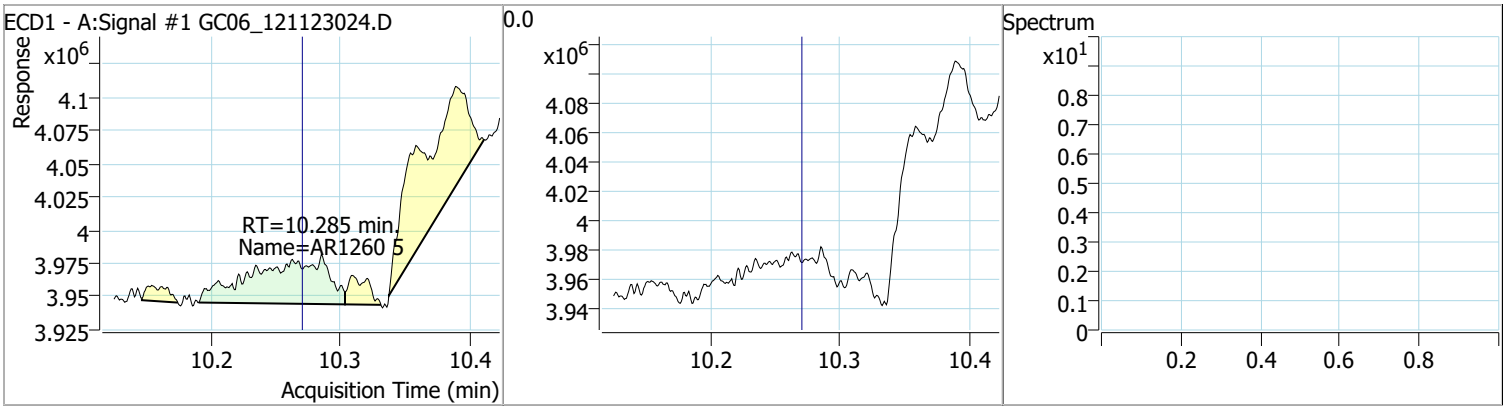

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 6.6410 | 9.59 | 0.04 | 232571 | | | | |



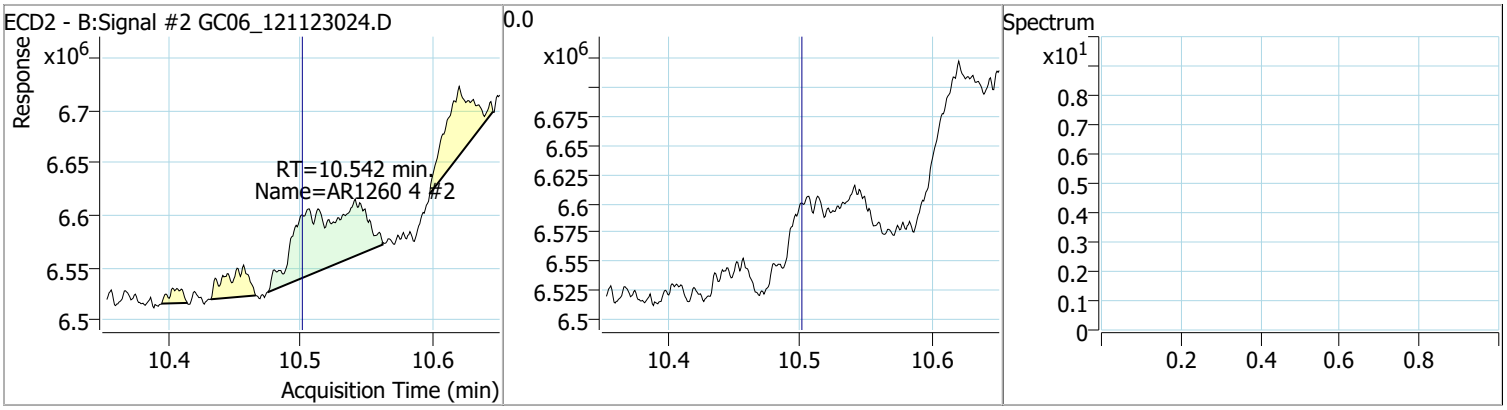

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 8.1199 | 9.99 | -0.05 | 362492 | | | | |



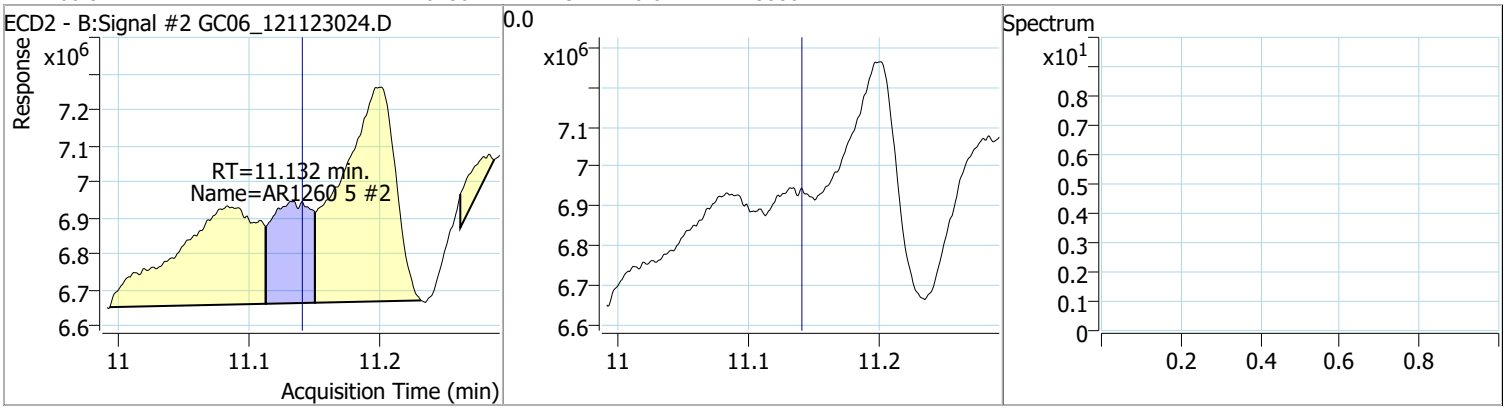

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 10.0517 | 10.29 | 0.01 | 143864 | | | | |



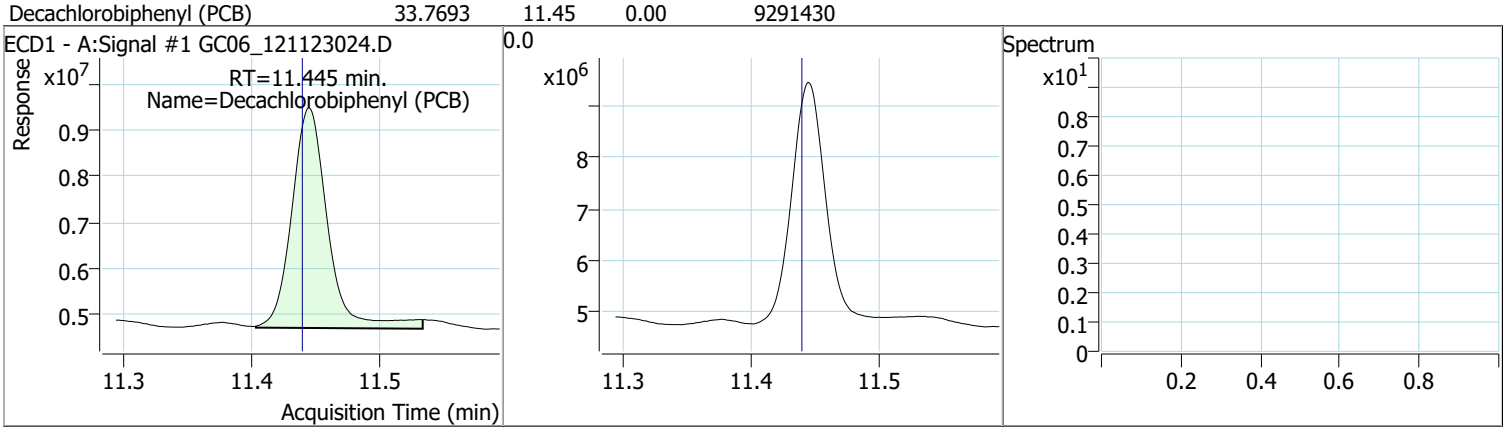
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 7.2586 | 10.54 | 0.04 | 197004 | | | | |



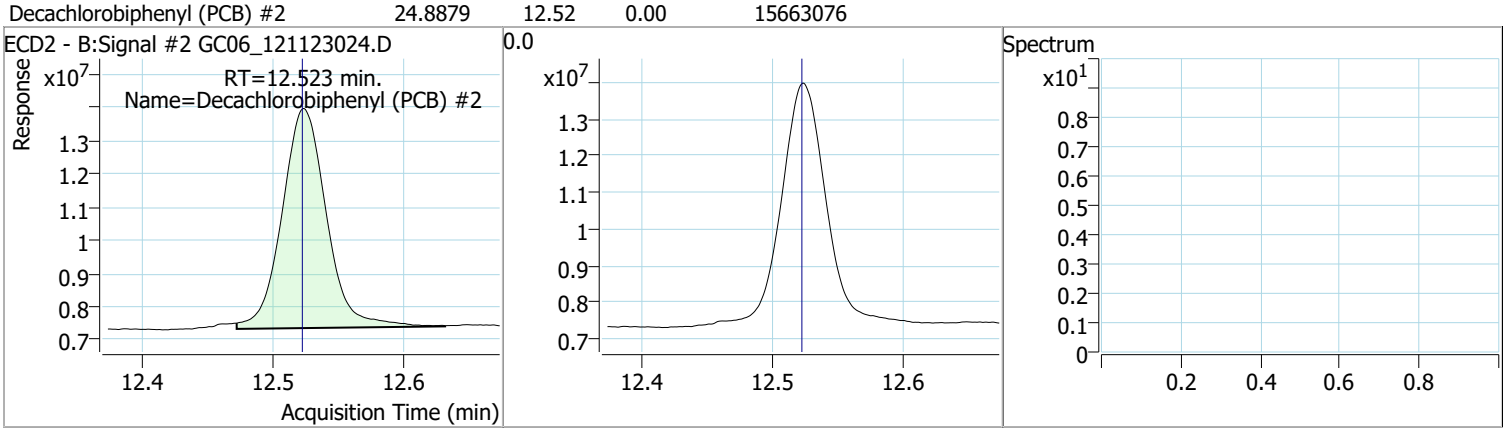

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 14.6186 | 11.13 | -0.01 | 588024 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 33.7693 | 11.45 | 0.00 | 9291430 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 24.8879 | 12.52 | 0.00 | 15663076 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-018 | Client ID: | AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-P-LA |
| Seqnum: | 453497606025 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123025 | Batch: | 328150 | Time: | 11-DEC-2023 20:43 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 58.89 | ~~0.59~~ ~~FP~~ | 0.87 | 39% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 151.0 | 1.51 | 2.11 | 33% | | | |
| Aroclor-1016 Peak # 2 | B | 54.69 | 0.55 | 0.53 | 4% | | | |
| Aroclor-1016 Peak # 3 | B | 84.14 | 0.84 | 1.42 | 51% | | | |
| Aroclor-1016 Peak # 4 | B | 1.508 | 0.02 | 0.13 | 157% | | | |
| Aroclor-1016 Peak # 5 | B | 3.050 | 0.03 | 0.18 | 143% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 17.63 | ND | 0.33 | 61% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 32.76 | 0.33 | 0.04 | 153% | | | |
| Aroclor-1260 Peak # 2 | B | 21.92 | 0.22 | 0.04 | 145% | | | |
| Aroclor-1260 Peak # 3 | B | 8.825 | 0.09 | 0.11 | 21% | | | |
| Aroclor-1260 Peak # 4 | B | 7.622 | 0.08 | 1.42 | 180% | | | |
| Aroclor-1260 Peak # 5 | B | 17.02 | 0.17 | 0.05 | 108% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 26.23 | 0.5000 | 0.2623 | 52 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 22.69 | 0.5000 | 0.2269 | 45 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10967961 | 21.03 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4345397 | 9.99 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

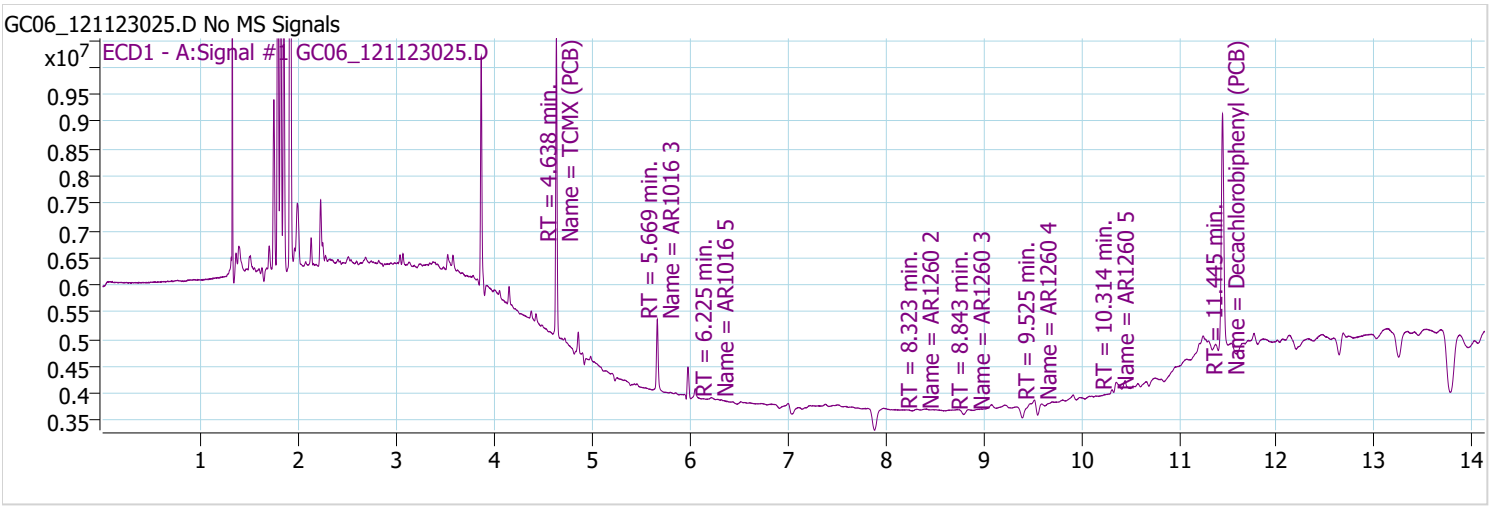
12/12/23 : WIPE/1DM^2-10ML

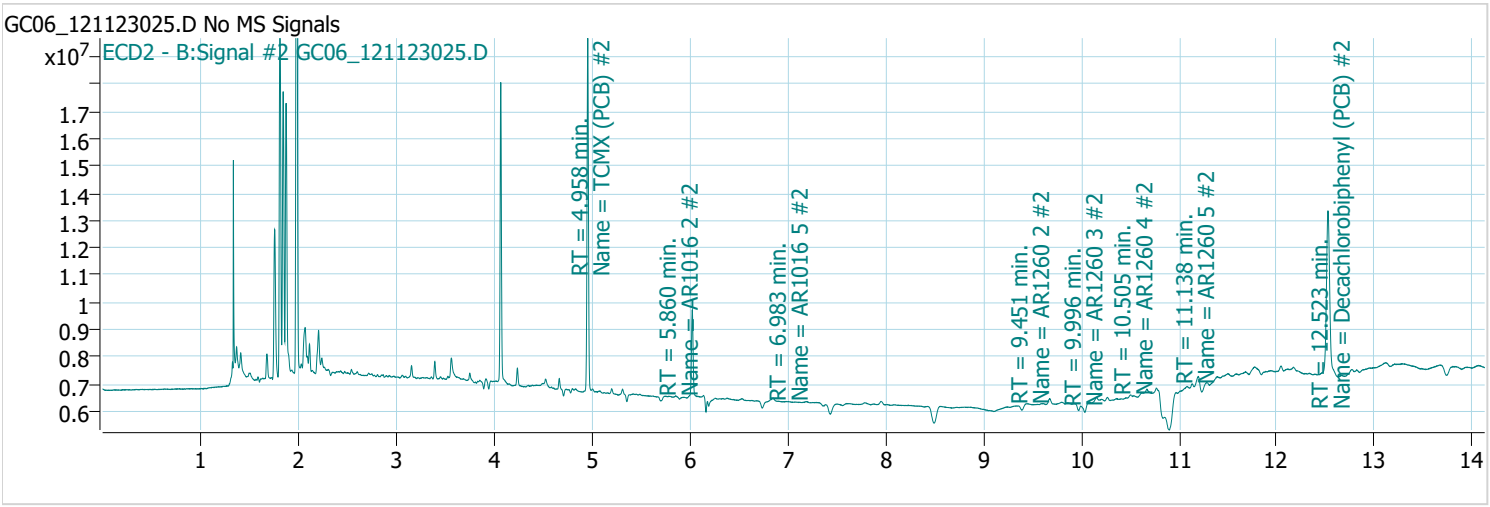
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123025.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 8:43:45 PM |
| Sample Name | 497480-018, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 12 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



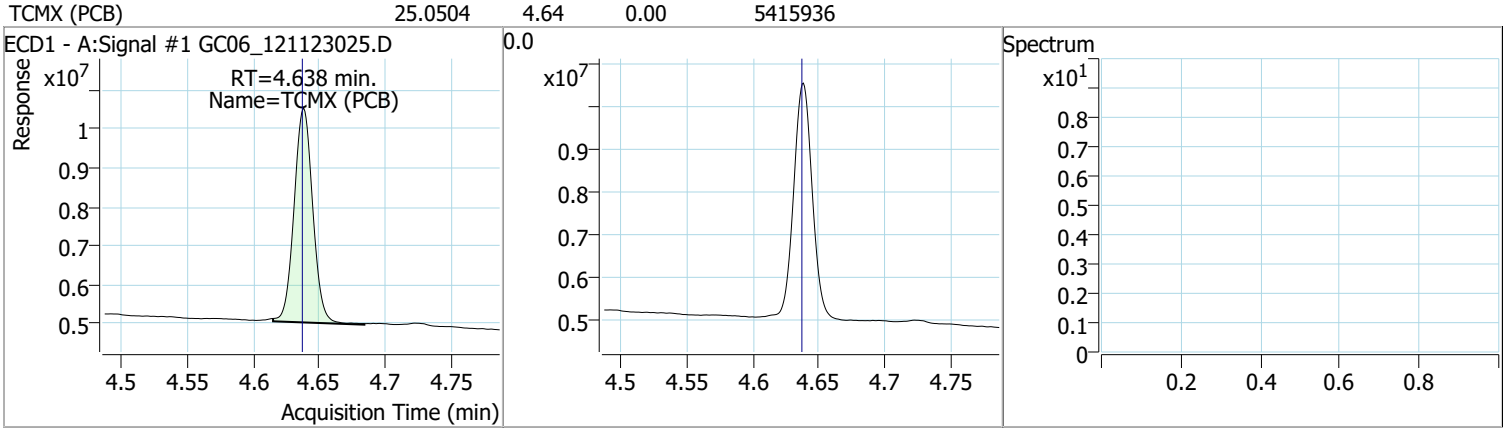




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.870 | 0.0 | 4345396.619 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.069 | 0.0 | 10967960.553 | 20.0000 | ng/ml | | -0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.638 | 0.0 | 5415935.784 | 25.0504 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 125.25% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 13520997.216 | 26.2255 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 131.13% | | | |
| S Decachlorobiphenyl (PCB) | 11.445 | 0.0 | 8421564.411 | 30.3811 | ng/ml | | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 151.91% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 14284576.200 | 22.6888 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 113.44% | | | |
| **Target Compounds** | | | | | | | QValue |

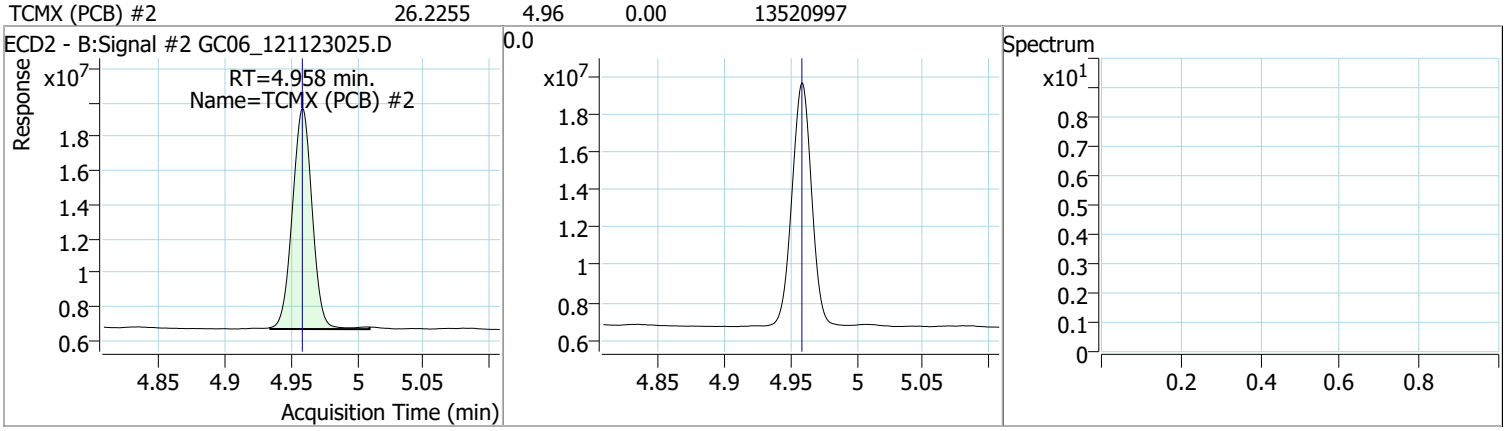
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.861 | 0.0 | 995338.806 | 211.0424 | ng/ml | 100 |
| T AR1016 2 | 5.256 | 0.0 | 499081.607 | 52.7231 | ng/ml | 100 |
| T AR1016 1 #2 | 5.426 | 0.0 | 1531898.054 | 151.0455 | ng/ml | 100 |
| T AR1016 3 | 5.669 | 0.0 | 1623678.422 | 141.7337 | ng/ml | 100 |
| T AR1016 2 #2 | 5.860 | 0.0 | 1157530.680 | 54.6897 | ng/ml | 100 |
| T AR1016 4 | 5.800 | 0.0 | 95909.385 | 12.6501 | ng/ml | 100 |
| T AR1016 5 | 6.225 | 0.0 | 125099.042 | 18.3360 | ng/ml | 100 |
| T AR1016 3 #2 | 6.261 | 0.0 | 2369838.734 | 84.1436 | ng/ml | 100 |
| T AR1016 4 #2 | 6.443 | 0.0 | 28524.958 | 1.5076 | ng/ml | 100 |
| T AR1016 5 #2 | 6.983 | 0.0 | 47682.139 | 3.0505 | ng/ml | 100 |
| T AR1260 1 | 7.950 | 0.0 | 56755.783 | 4.3200 | ng/ml | 100 |
| T AR1260 2 | 8.323 | 0.0 | 71895.510 | 3.5119 | ng/ml | 100 |
| T AR1260 3 | 8.843 | 0.0 | 233513.055 | 10.8627 | ng/ml | 100 |
| T AR1260 1 #2 | 9.333 | 0.0 | 951348.608 | 32.7625 | ng/ml | 100 |
| T AR1260 4 | 9.525 | 0.0 | 1604877.446 | 142.0247 | ng/ml | 100 |
| T AR1260 2 #2 | 9.451 | 0.0 | 768072.902 | 21.9236 | ng/ml | 100 |
| T AR1260 3 #2 | 9.996 | 0.0 | 394110.803 | 8.8247 | ng/ml | 100 |
| T AR1260 5 | 10.314 | 0.0 | 73780.860 | 5.1168 | ng/ml | 100 |
| T AR1260 4 #2 | 10.505 | 0.0 | 206959.243 | 7.6225 | ng/ml | 100 |
| T AR1260 5 #2 | 11.138 | 0.0 | 684744.527 | 17.0165 | ng/ml | 100 |

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

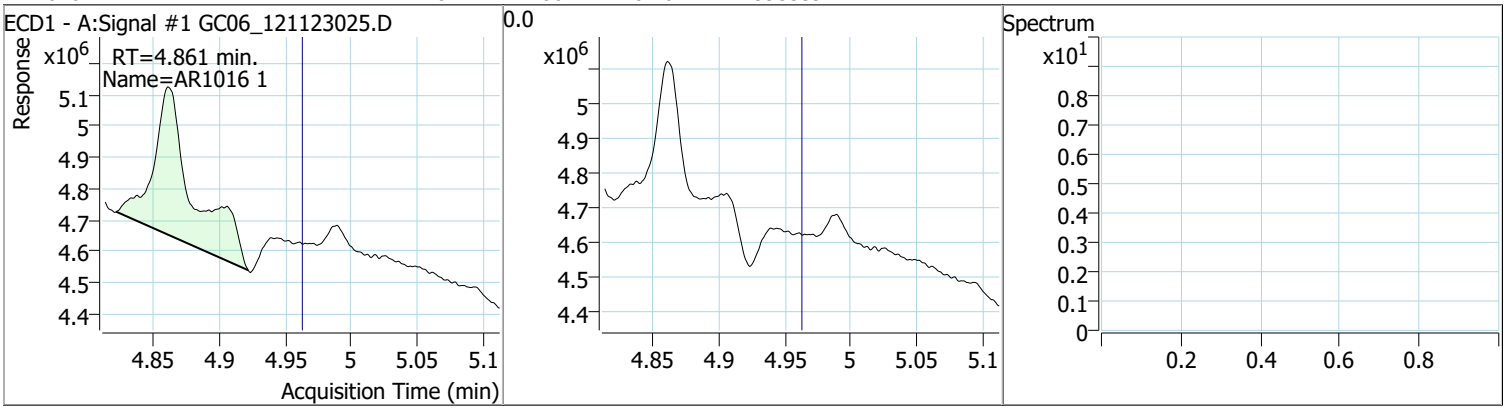
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 25.0504 | 4.64 | 0.00 | 5415936 | | | | |



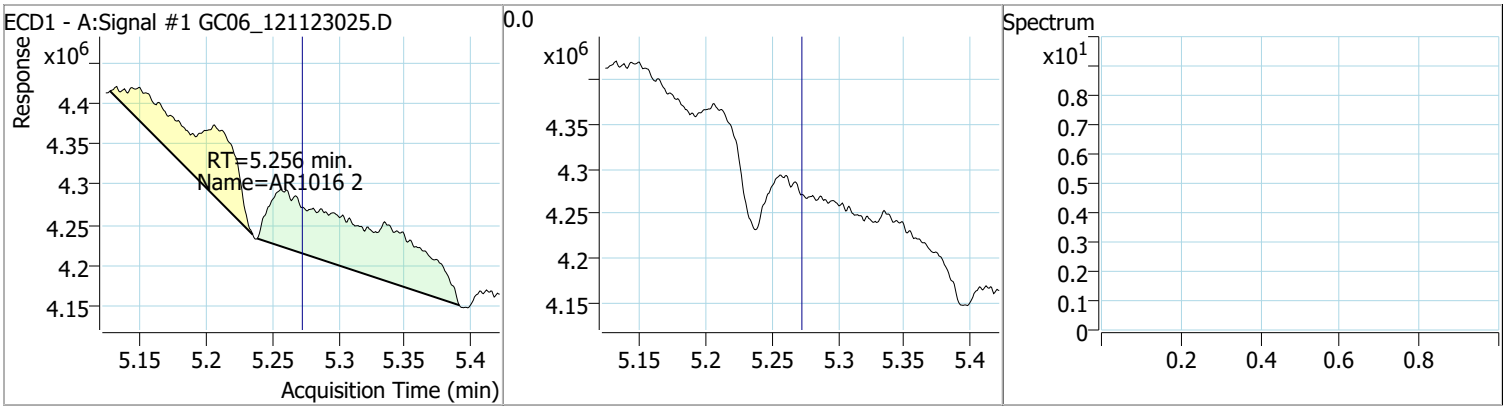

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 26.2255 | 4.96 | 0.00 | 13520997 | | | | |



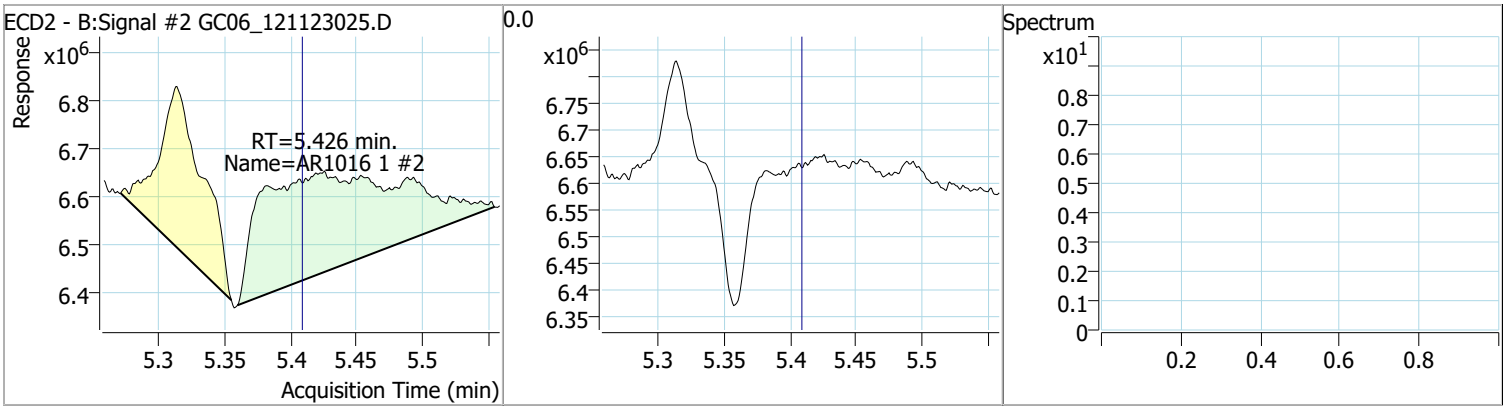

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 211.0424 | 4.86 | -0.10 | 995339 | | | | |



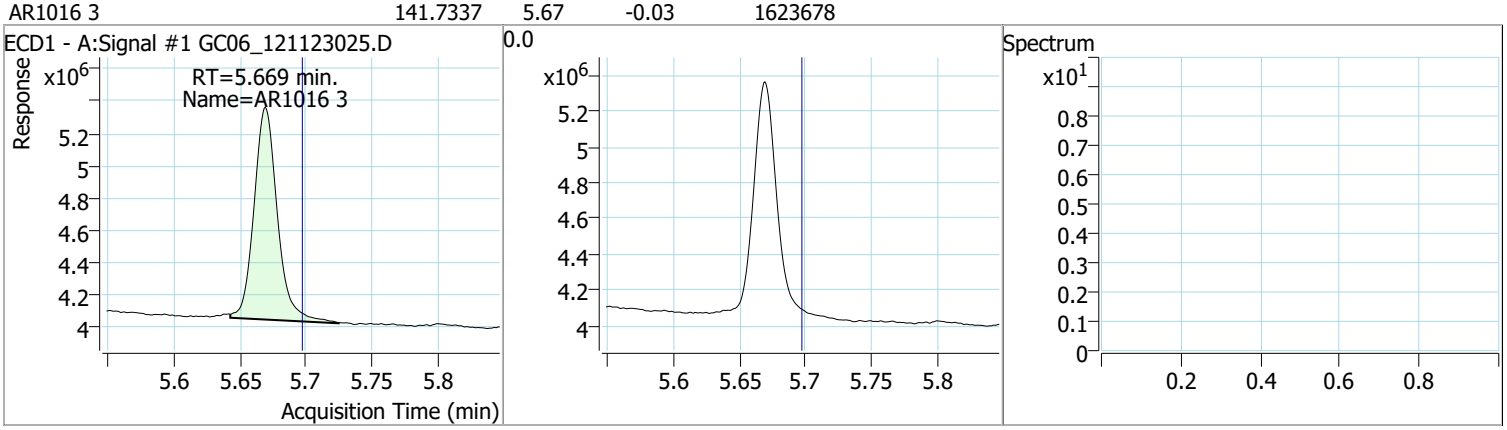

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 52.7231 | 5.26 | -0.02 | 499082 | | | | |



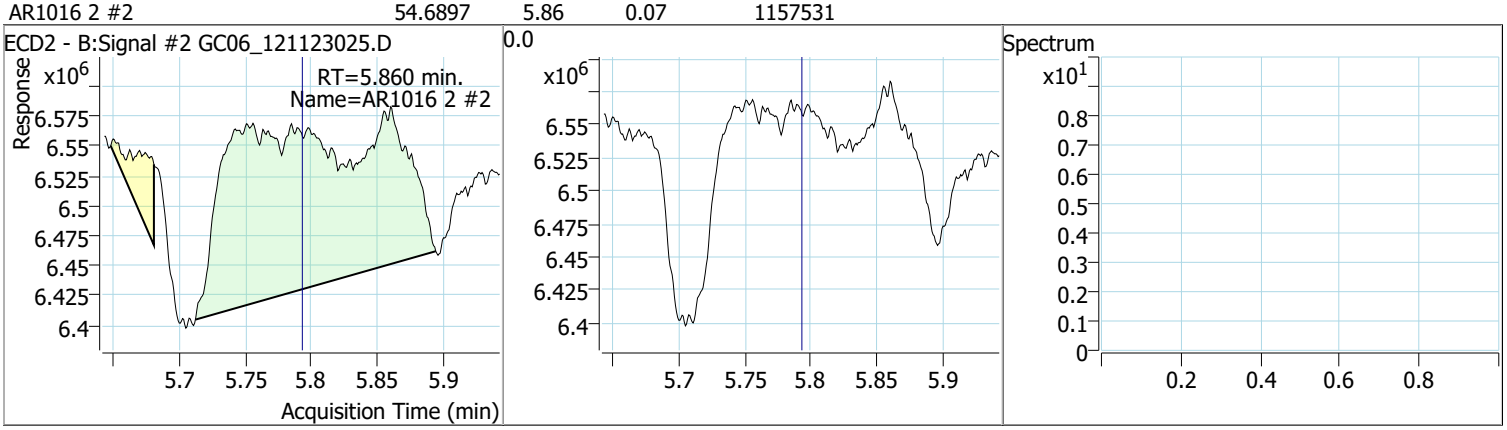
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 151.0455 | 5.43 | 0.02 | 1531898 | | | | |



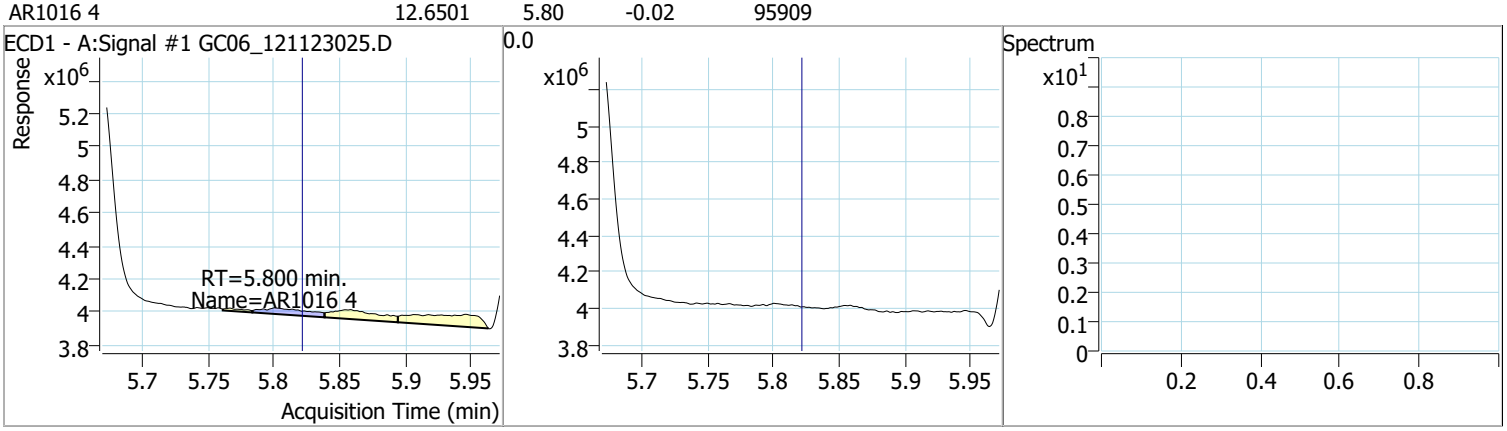

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 141.7337 | 5.67 | -0.03 | 1623678 | | | | |



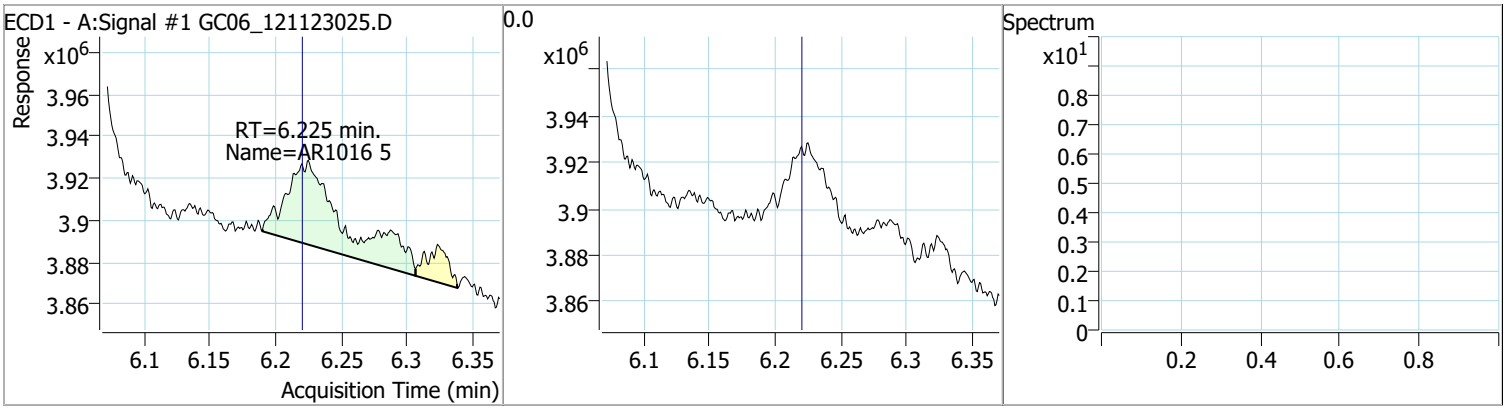

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 54.6897 | 5.86 | 0.07 | 1157531 | | | | |



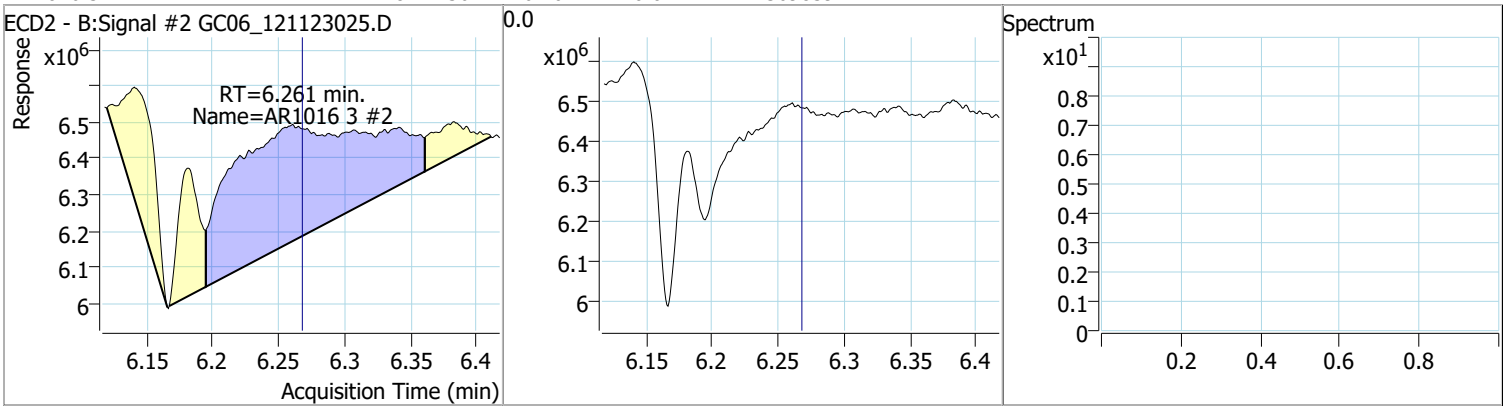

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 12.6501 | 5.80 | -0.02 | 95909 | | | | |



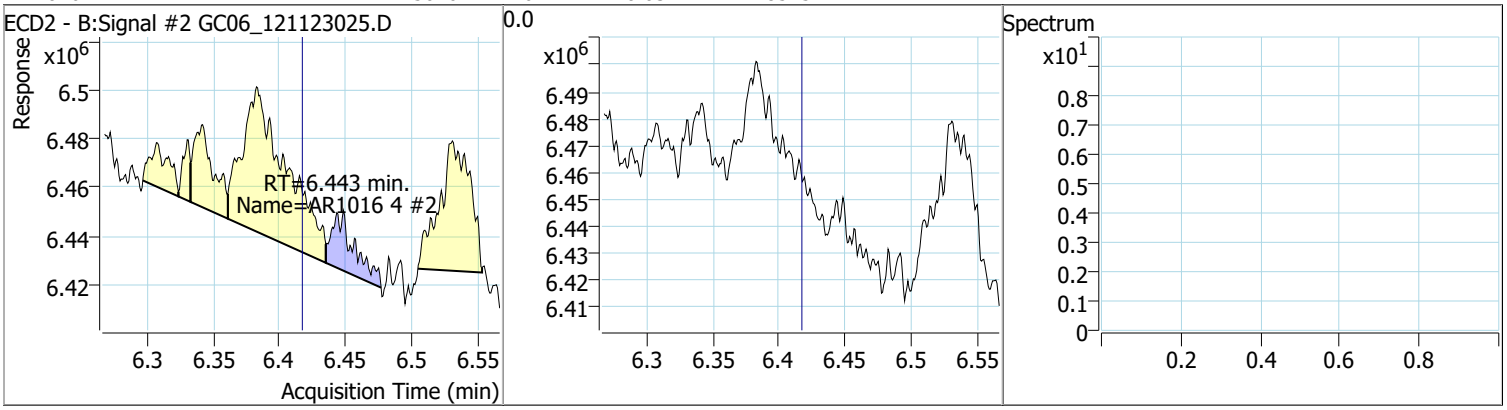
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 18.3360 | 6.23 | 0.00 | 125099 | | | | |



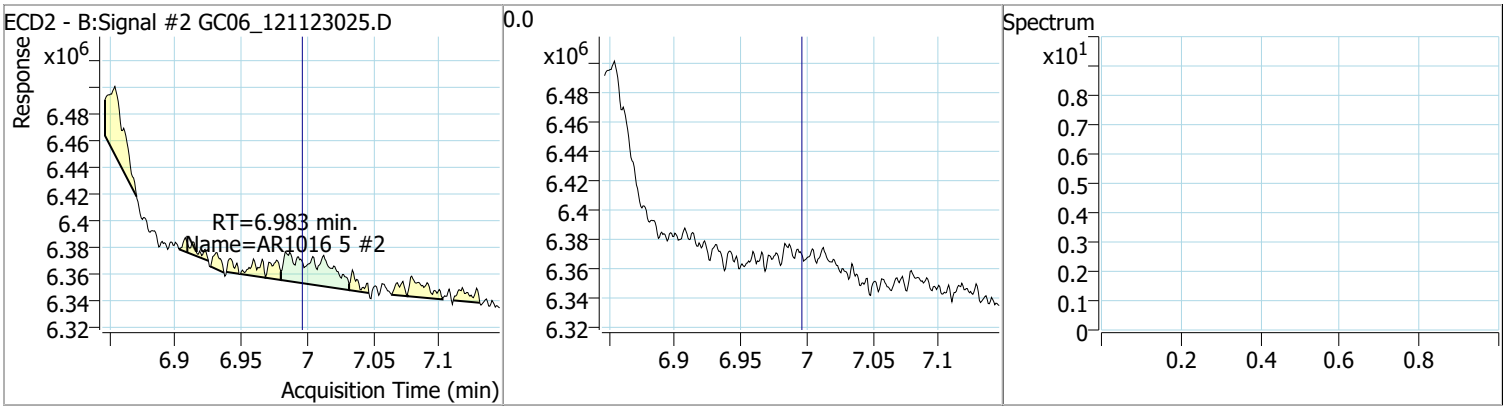

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 84.1436 | 6.26 | -0.01 | 2369839 | | | | |



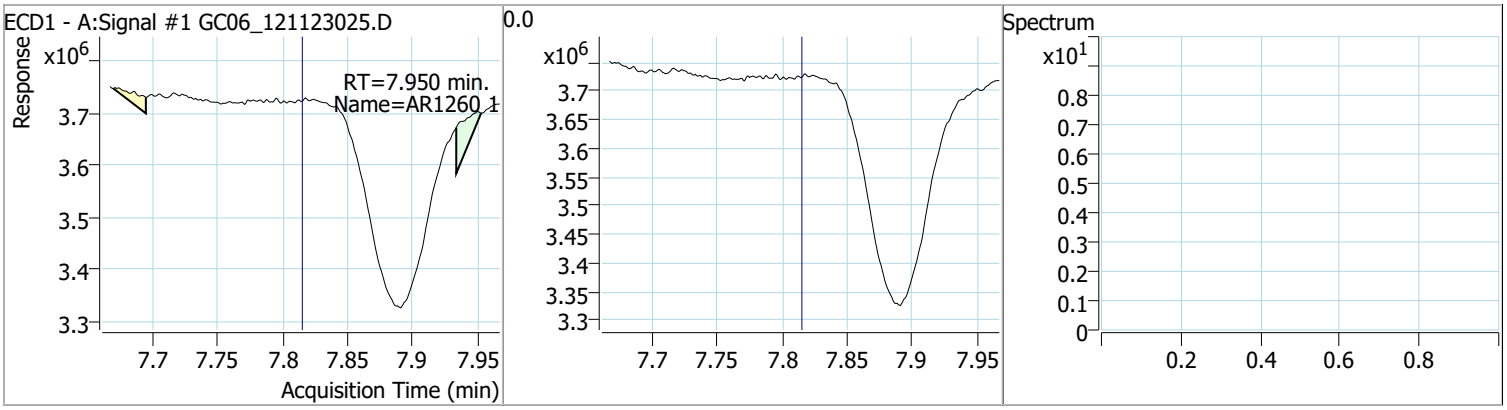

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1.5076 | 6.44 | 0.03 | 28525 | | | | |



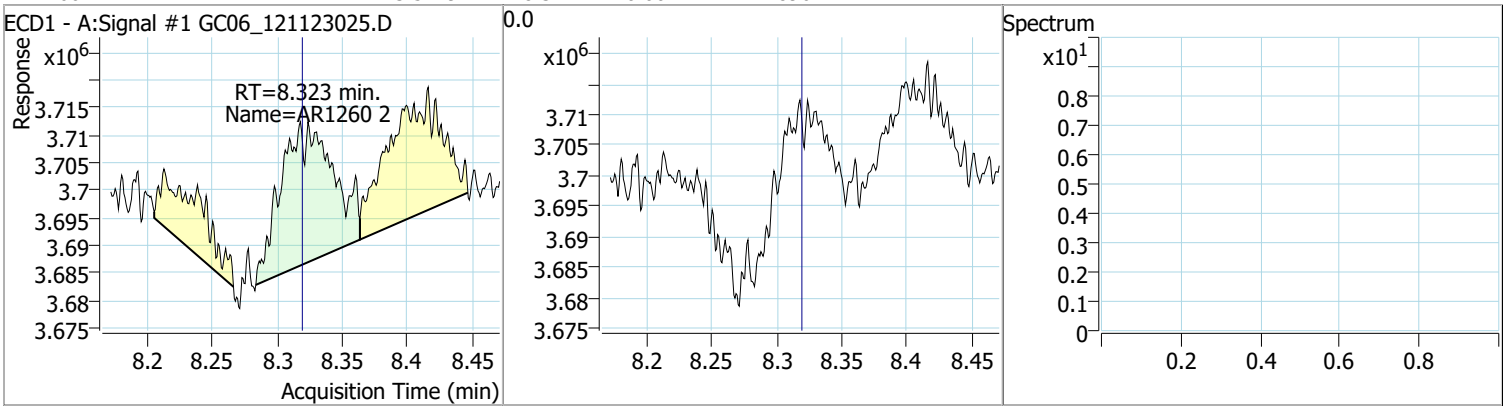

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 3.0505 | 6.98 | -0.01 | 47682 | | | | |



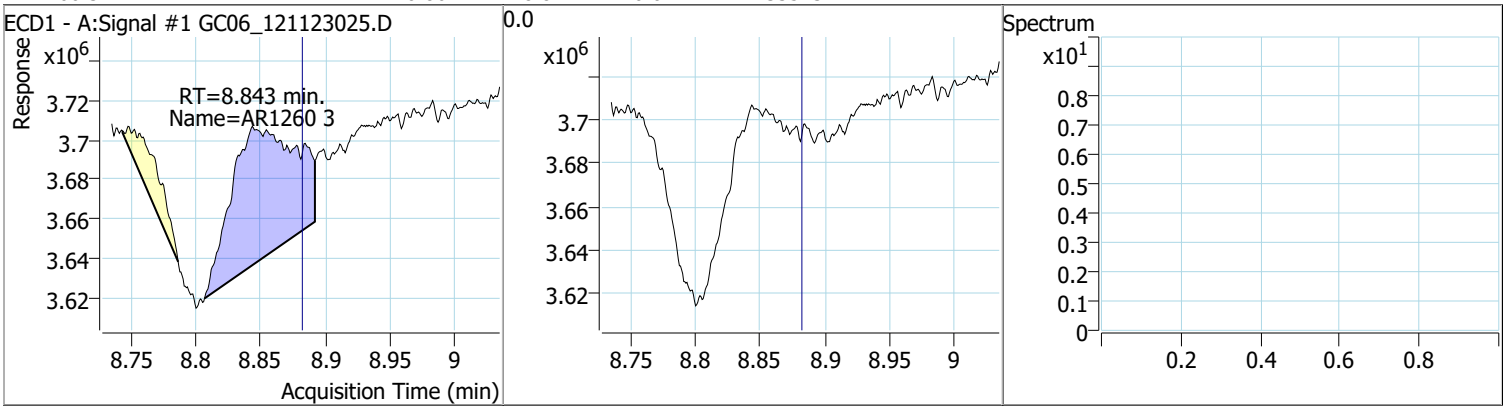
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 4.3200 | 7.95 | 0.13 | 56756 | | | | |



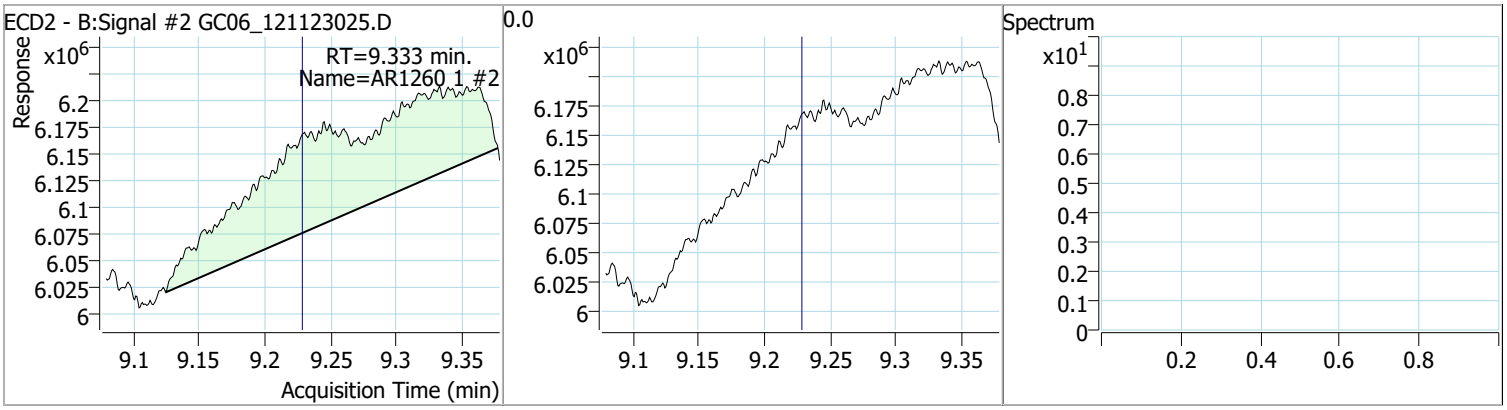

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 3.5119 | 8.32 | 0.00 | 71896 | | | | |



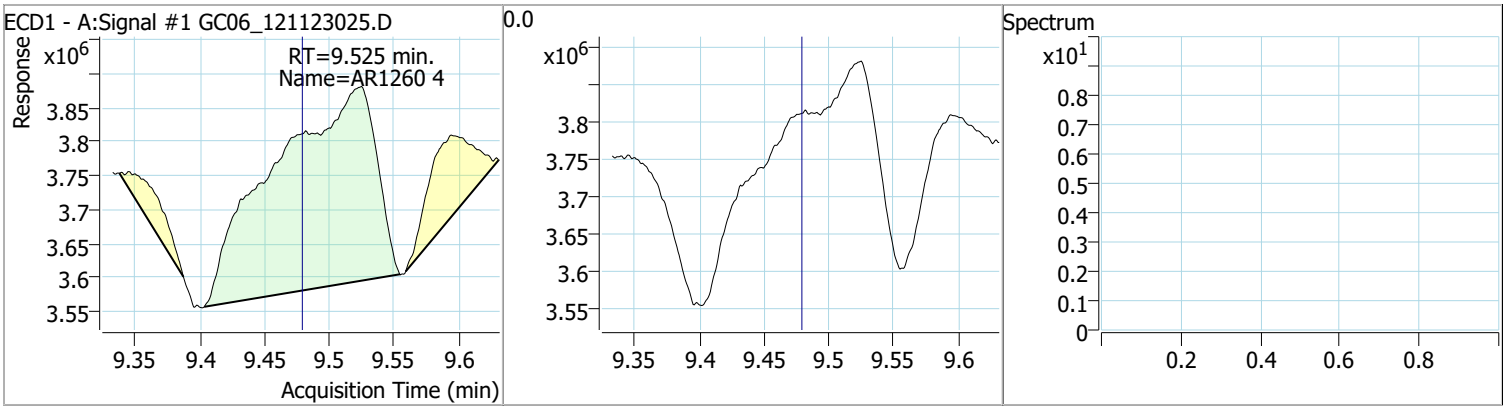

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 10.8627 | 8.84 | -0.04 | 233513 | | | | |



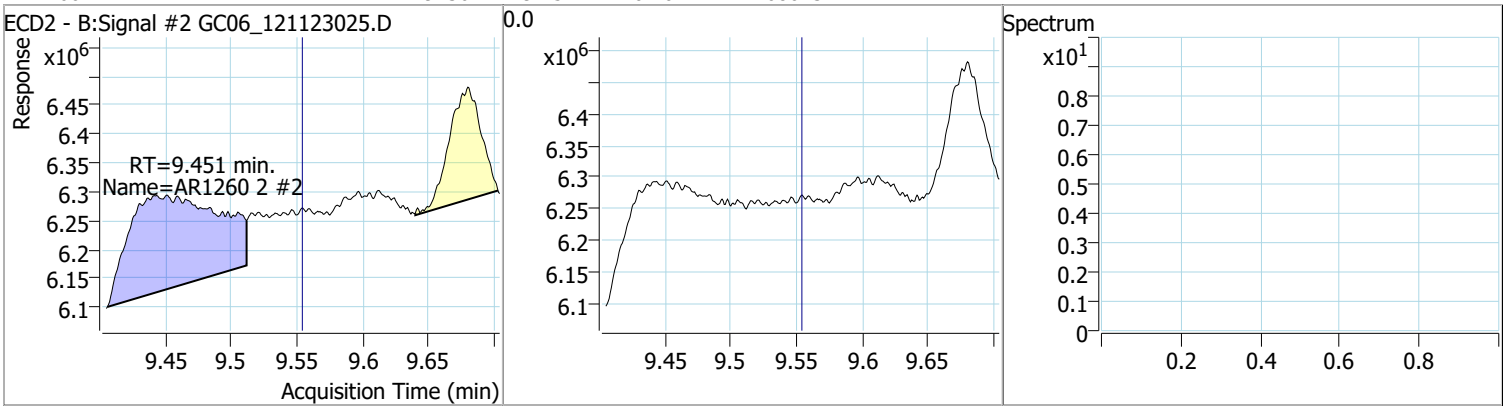

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 32.7625 | 9.33 | 0.10 | 951349 | | | | |



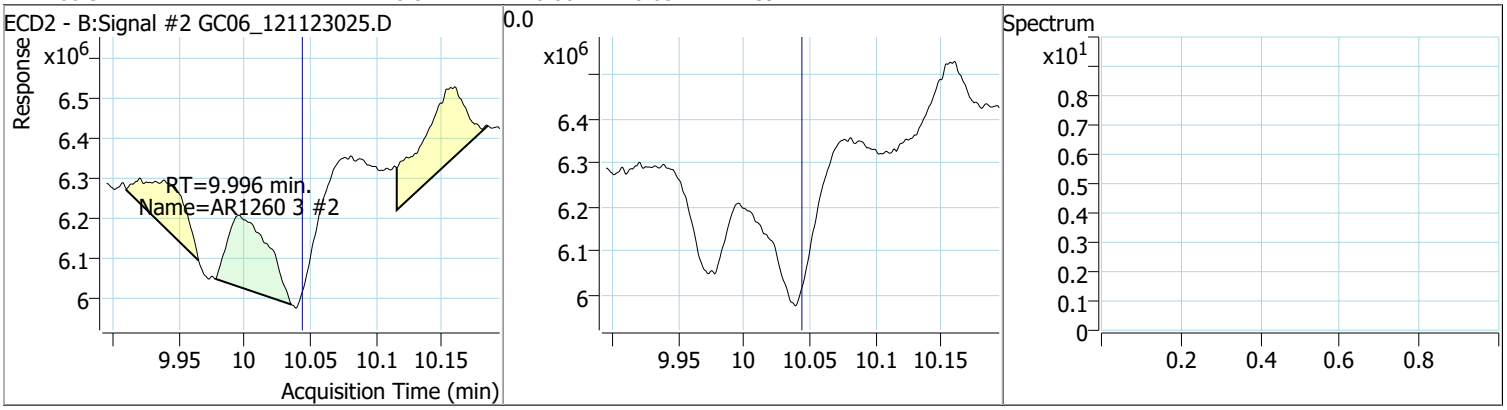
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 142.0247 | 9.53 | 0.04 | 1604877 | | | | |



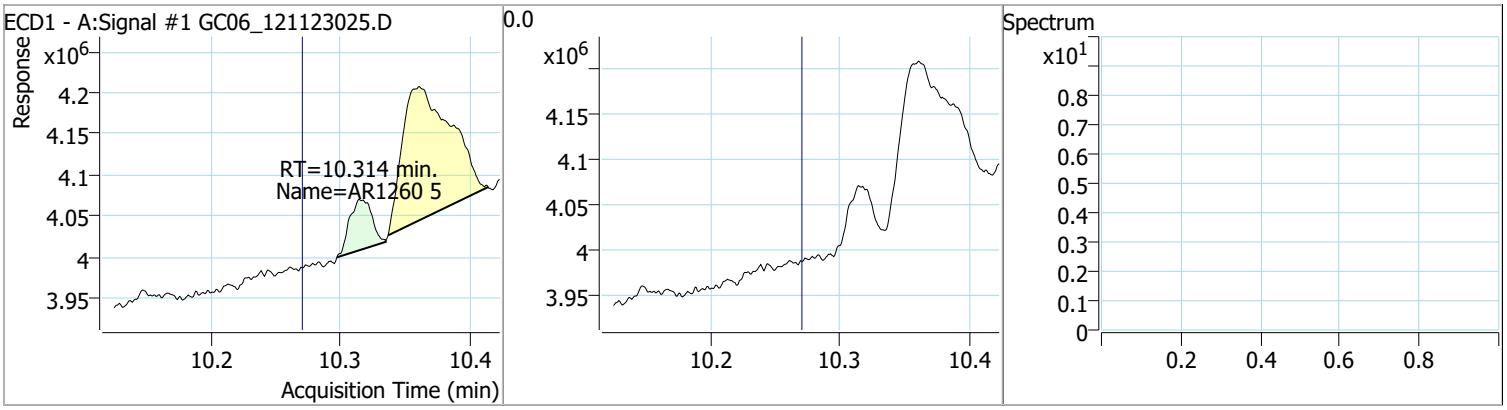

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 21.9236 | 9.45 | -0.10 | 768073 | | | | |



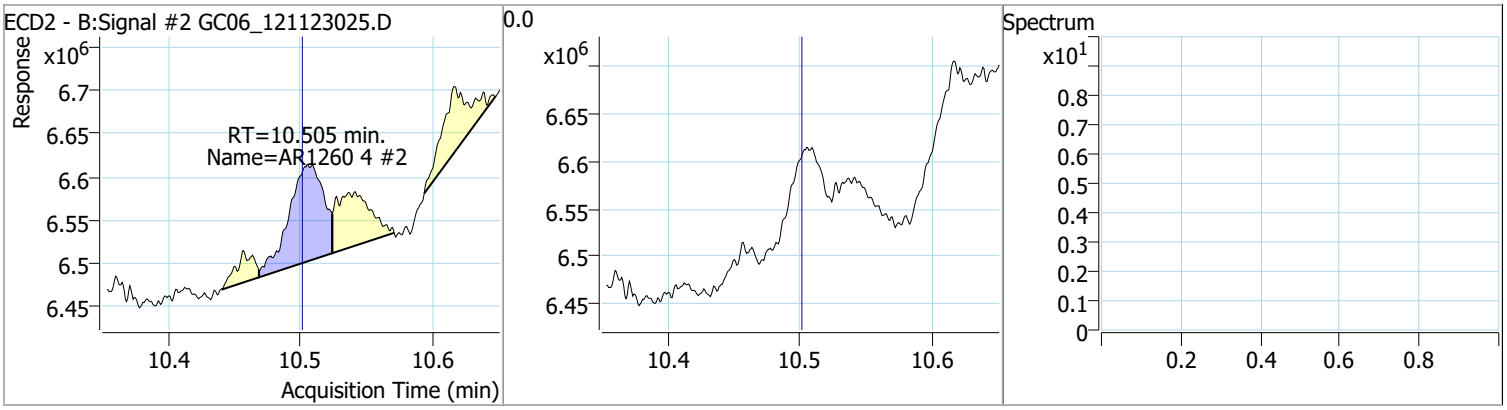

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 8.8247 | 10.00 | -0.05 | 394111 | | | | |



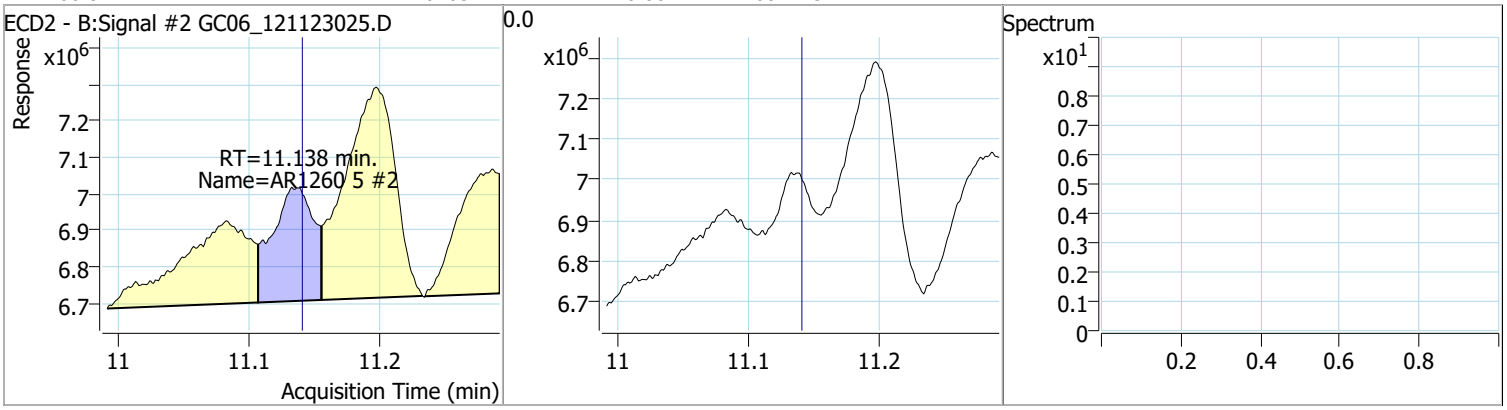

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 5.1168 | 10.31 | 0.04 | 73781 | | | | |



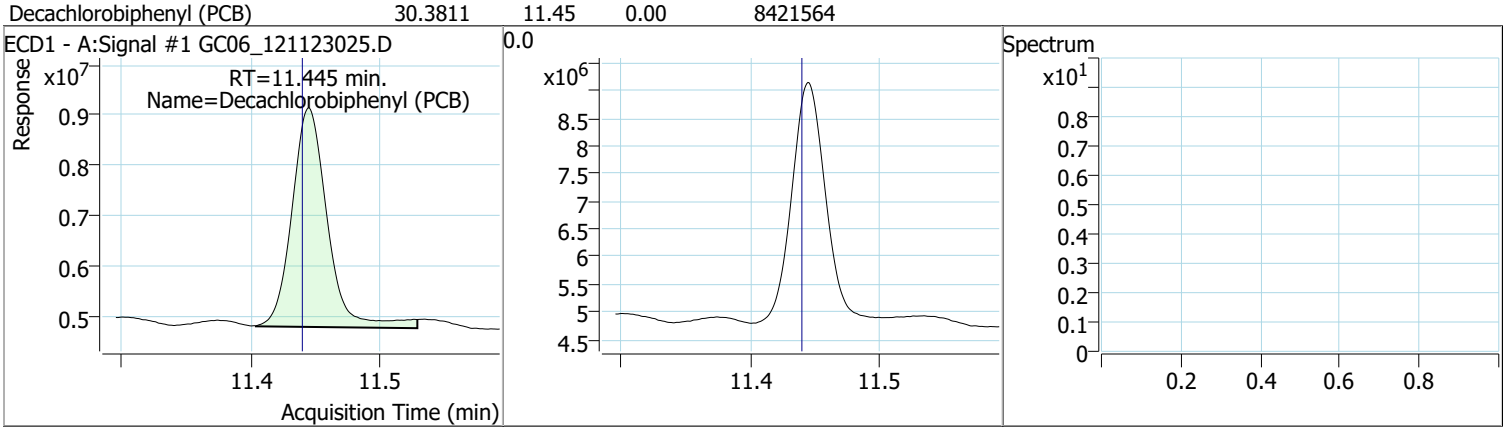
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 7.6225 | 10.51 | 0.00 | 206959 | | | | |



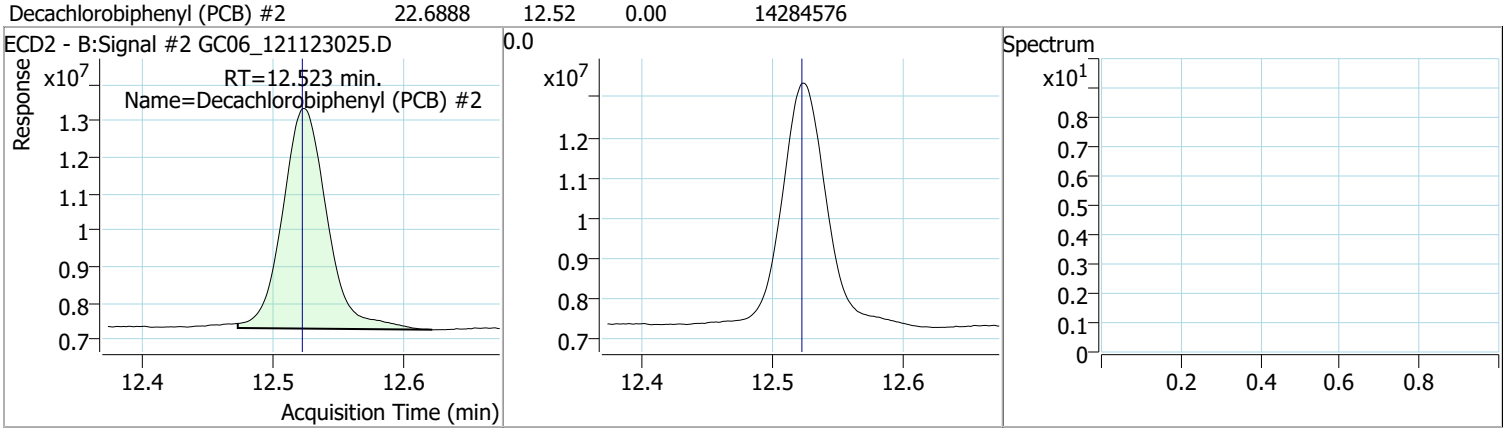

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 17.0165 | 11.14 | 0.00 | 684745 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 30.3811 | 11.45 | 0.00 | 8421564 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 22.6888 | 12.52 | 0.00 | 14284576 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-020 | Client ID: | AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-P-LA |
| Seqnum: | 453497606026 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123026 | Batch: | 328150 | Time: | 11-DEC-2023 21:03 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 56.51 | ~~0.57~~ ~~FP~~ | 0.86 | 41% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 147.9 | 1.48 | 1.83 | 21% | | | |
| Aroclor-1016 Peak # 2 | B | 62.26 | 0.62 | 0.63 | 2% | | | |
| Aroclor-1016 Peak # 3 | B | 70.80 | 0.71 | 1.56 | 75% | | | |
| Aroclor-1016 Peak # 4 | B | 0.6320 | 0.01 | ND | | | | |
| Aroclor-1016 Peak # 5 | B | 0.9308 | 0.01 | 0.26 | 186% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 14.01 | ND | 0.33 | 80% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 36.10 | 0.36 | 0.00 | 195% | | | |
| Aroclor-1260 Peak # 2 | B | 4.856 | 0.05 | 0.03 | 41% | | | |
| Aroclor-1260 Peak # 3 | B | 10.98 | 0.11 | 0.02 | 130% | | | |
| Aroclor-1260 Peak # 4 | B | 3.581 | 0.04 | 1.54 | 191% | | | |
| Aroclor-1260 Peak # 5 | B | 14.53 | 0.15 | 0.04 | 111% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 29.90 | 0.5000 | 0.2990 | 60 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 24.95 | 0.5000 | 0.2495 | 50 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10351791 | 14.23 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4380215 | 10.88 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

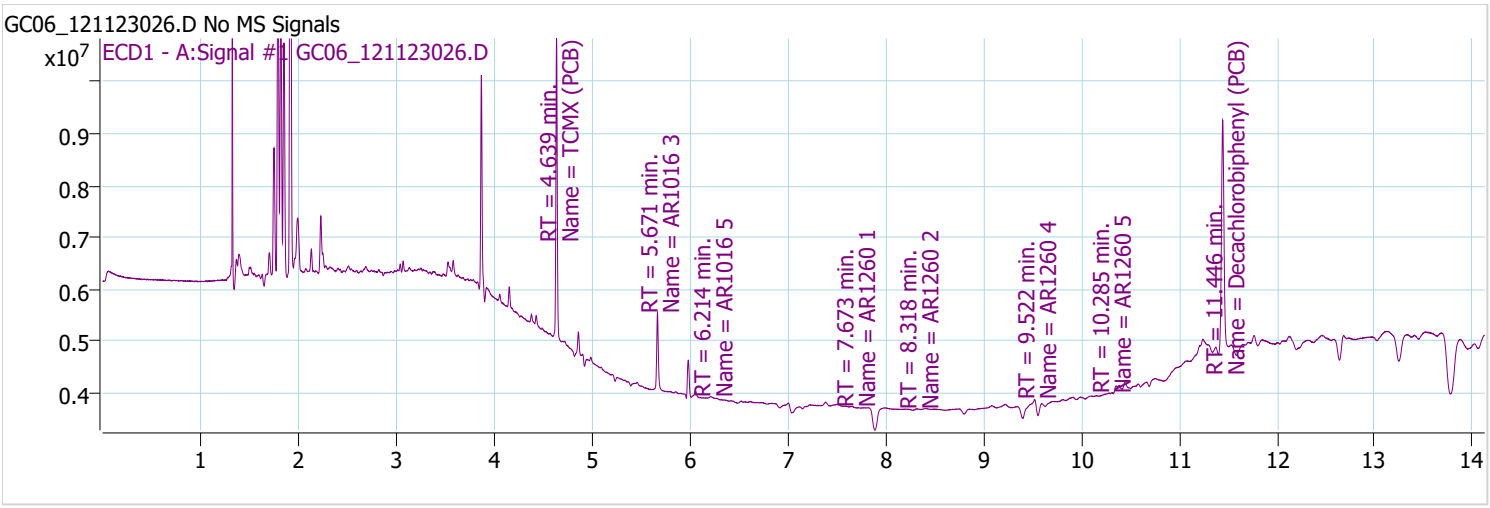
12/12/23 : WIPE/1DM^2-10ML

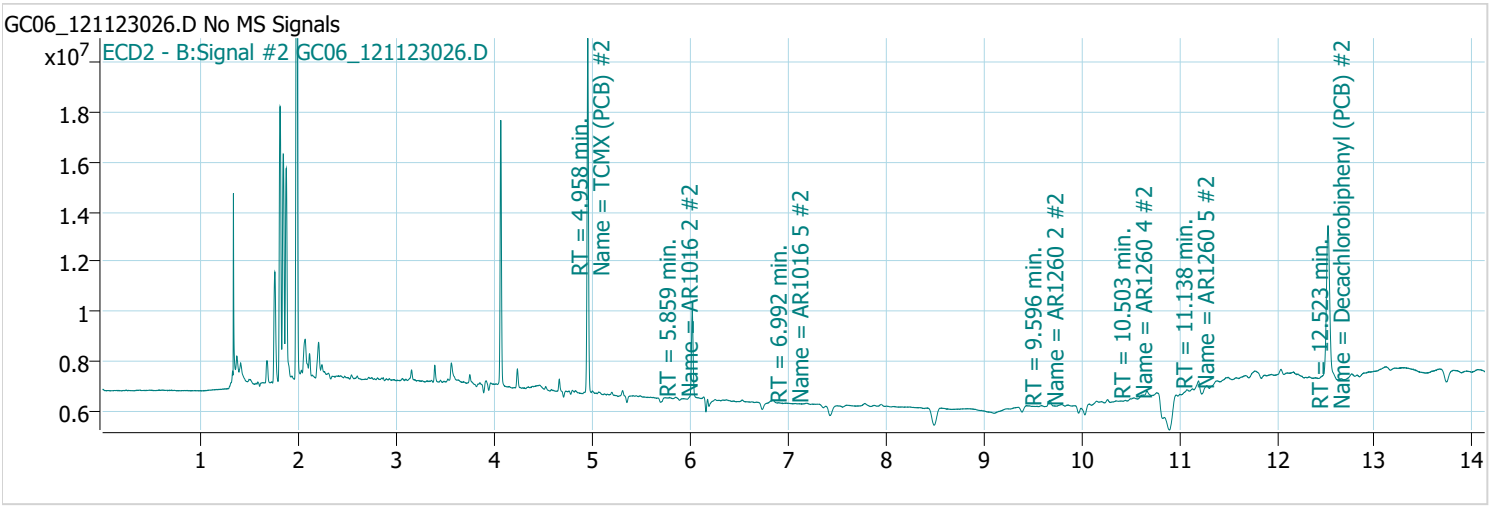
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123026.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 9:03:34 PM |
| Sample Name | 497480-020, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 13 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



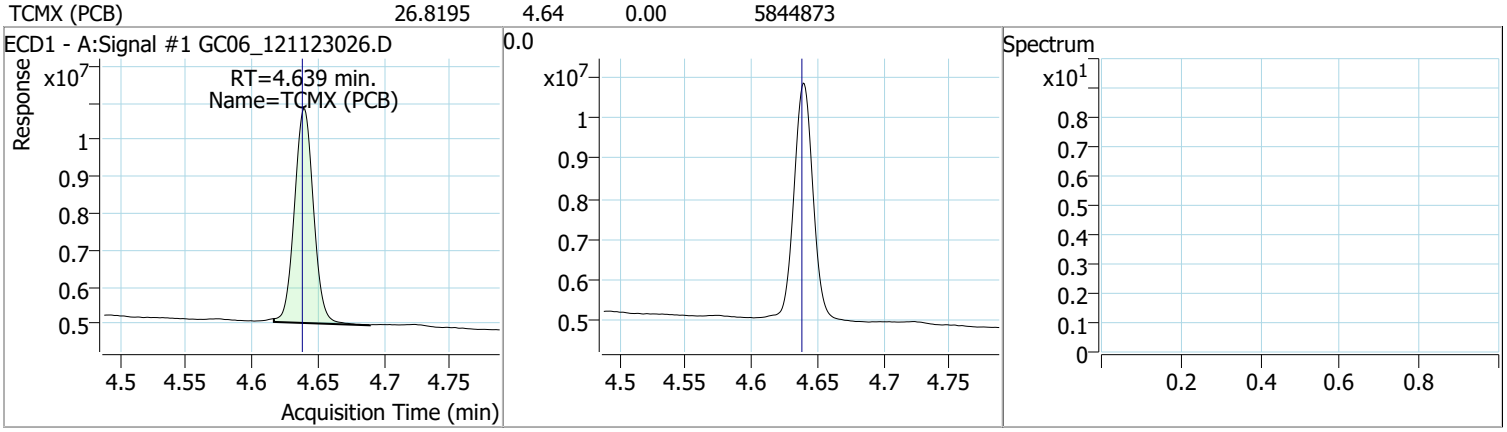




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.871 | 0.0 | 4380215.453 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.069 | 0.0 | 10351790.587 | 20.0000 | ng/ml | | -0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 5844873.498 | 26.8195 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 134.10% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 14548999.348 | 29.8992 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 149.50% | | | |
| S Decachlorobiphenyl (PCB) | 11.446 | 0.0 | 8795324.291 | 31.4772 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 157.39% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 14826763.192 | 24.9517 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 124.76% | | | |
| **Target Compounds** | | | | | | | QValue |

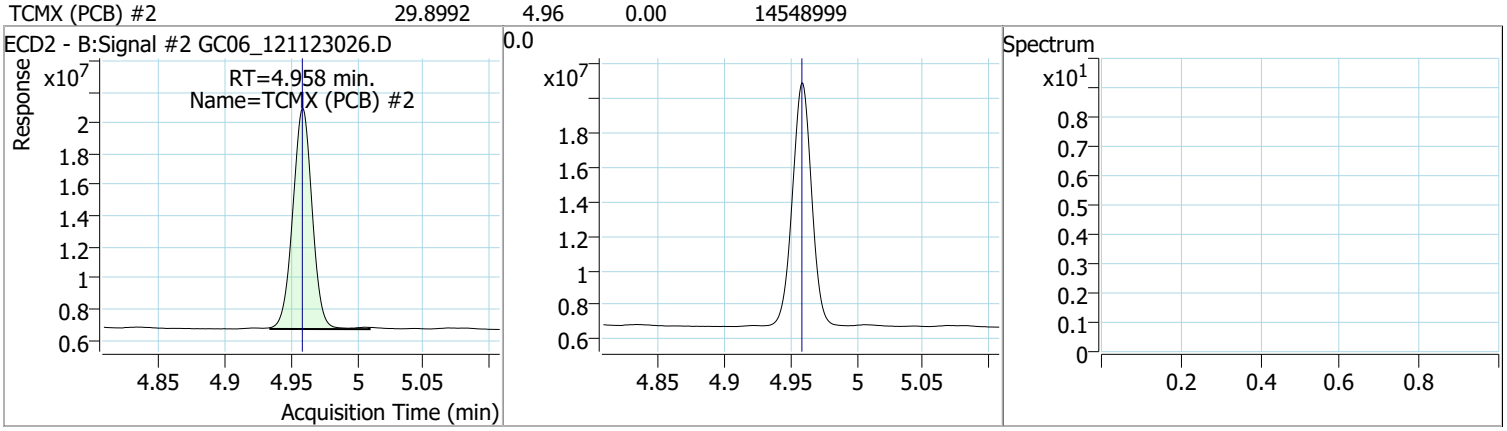
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.990 | 0.0 | 872057.611 | 183.4332 | ng/ml | 100 |
| T AR1016 2 | 5.258 | 0.0 | 604862.389 | 63.3899 | ng/ml | 100 |
| T AR1016 1 #2 | 5.426 | 0.0 | 1415832.864 | 147.9109 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 1807092.539 | 156.4904 | ng/ml | 100 |
| T AR1016 2 #2 | 5.859 | 0.0 | 1243746.179 | 62.2608 | ng/ml | 100 |
| T AR1016 4 | 0.000 | | 0 | N.D. | | |
| T AR1016 5 | 6.214 | 0.0 | 179284.698 | 26.0691 | ng/ml | 100 |
| T AR1016 3 #2 | 6.258 | 0.0 | 1882113.686 | 70.8041 | ng/ml | 100 |
| T AR1016 4 #2 | 6.443 | 0.0 | 11285.111 | 0.6320 | ng/ml | 100 |
| T AR1016 5 #2 | 6.992 | 0.0 | 13732.218 | 0.9308 | ng/ml | 100 |
| T AR1260 1 | 7.673 | 0.0 | 5908.716 | 0.4462 | ng/ml | 100 |
| T AR1260 2 | 8.318 | 0.0 | 66238.064 | 3.2099 | ng/ml | 100 |
| T AR1260 3 | 8.751 | 0.0 | 50230.178 | 2.3181 | ng/ml | 100 |
| T AR1260 1 #2 | 9.357 | 0.0 | 989465.956 | 36.1034 | ng/ml | 100 |
| T AR1260 4 | 9.522 | 0.0 | 1749231.073 | 153.5688 | ng/ml | 100 |
| T AR1260 2 #2 | 9.596 | 0.0 | 160575.618 | 4.8562 | ng/ml | 100 |
| T AR1260 3 #2 | 9.999 | 0.0 | 462984.958 | 10.9840 | ng/ml | 100 |
| T AR1260 5 | 10.285 | 0.0 | 60341.846 | 4.1515 | ng/ml | 100 |
| T AR1260 4 #2 | 10.503 | 0.0 | 91772.380 | 3.5812 | ng/ml | 100 |
| T AR1260 5 #2 | 11.138 | 0.0 | 551846.219 | 14.5301 | ng/ml | 100 |

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

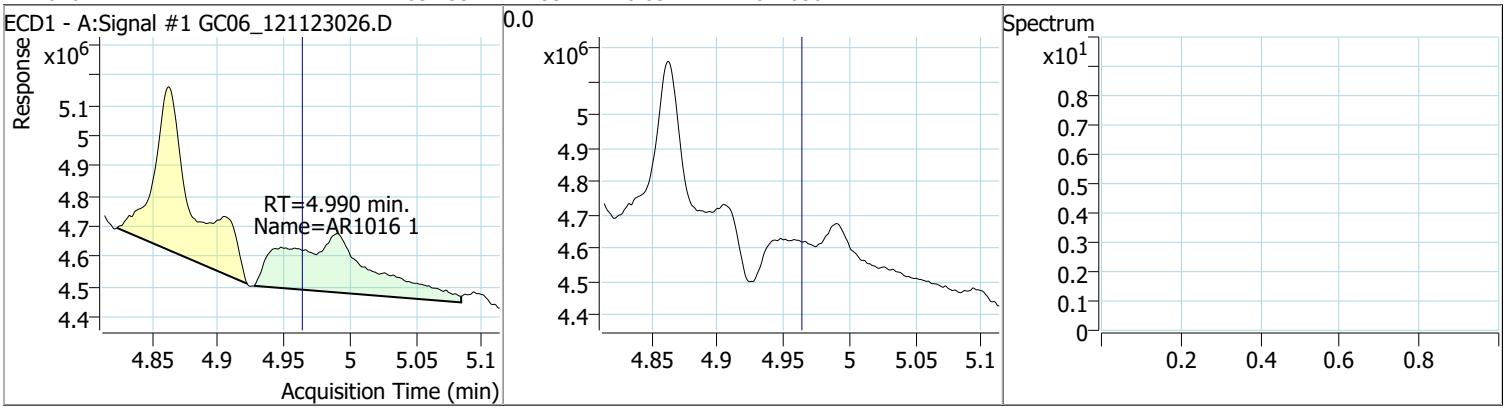
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 26.8195 | 4.64 | 0.00 | 5844873 | | | | |



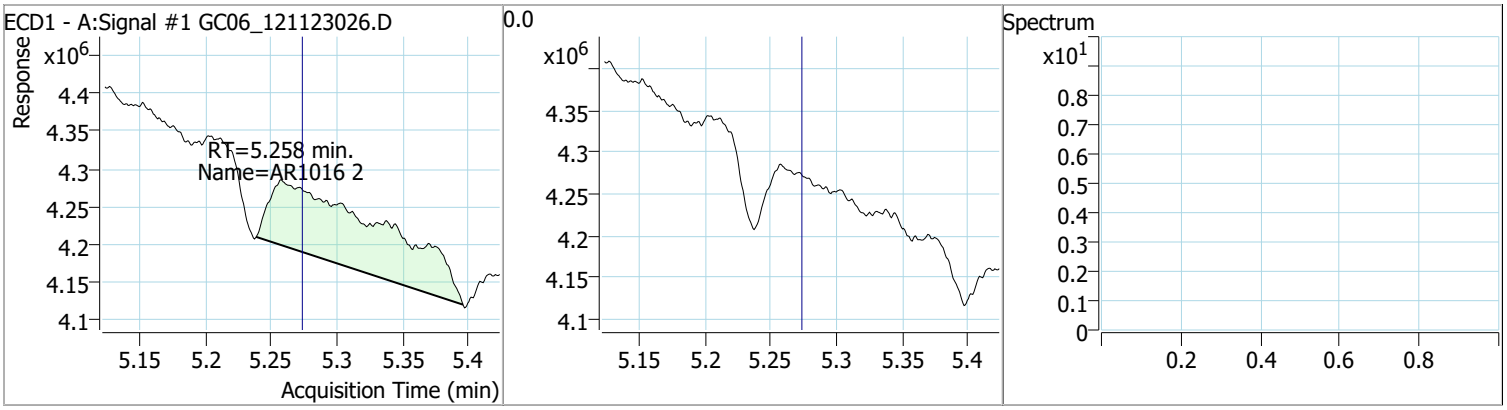

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 29.8992 | 4.96 | 0.00 | 14548999 | | | | |



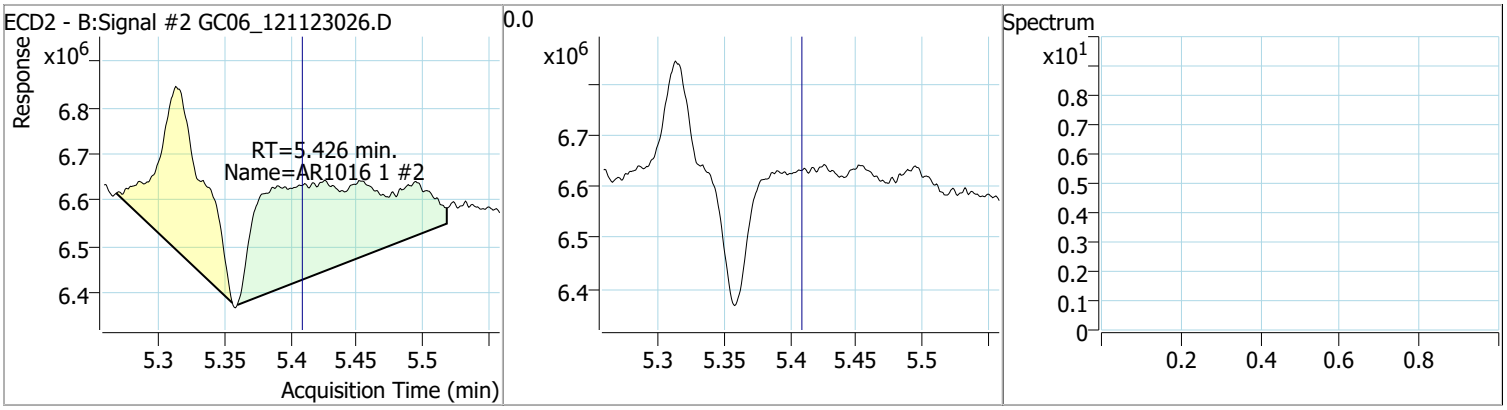

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 183.4332 | 4.99 | 0.03 | 872058 | | | | |



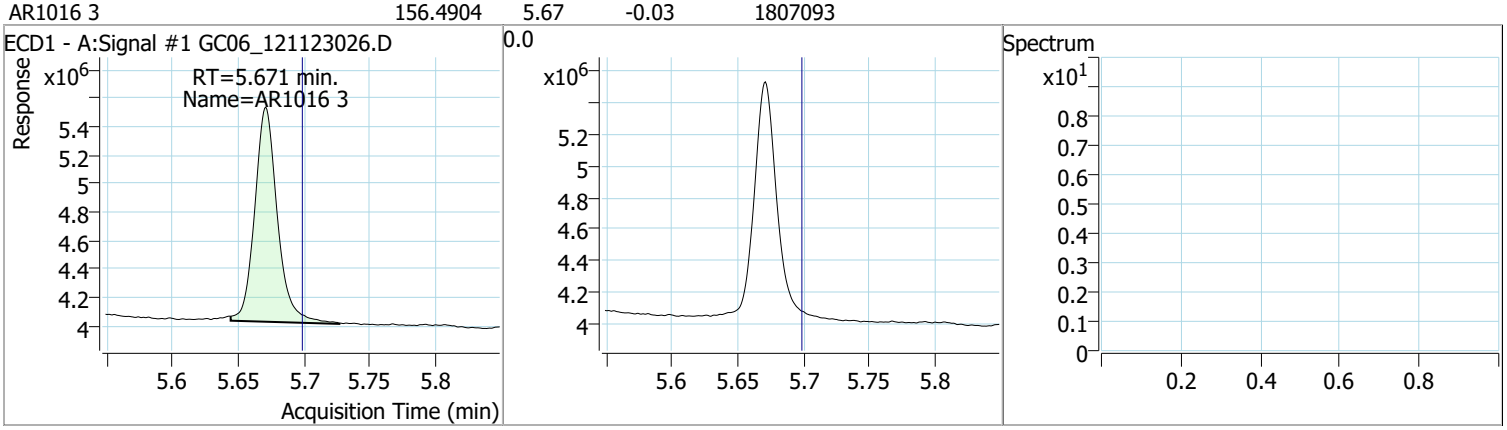

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 63.3899 | 5.26 | -0.02 | 604862 | | | | |



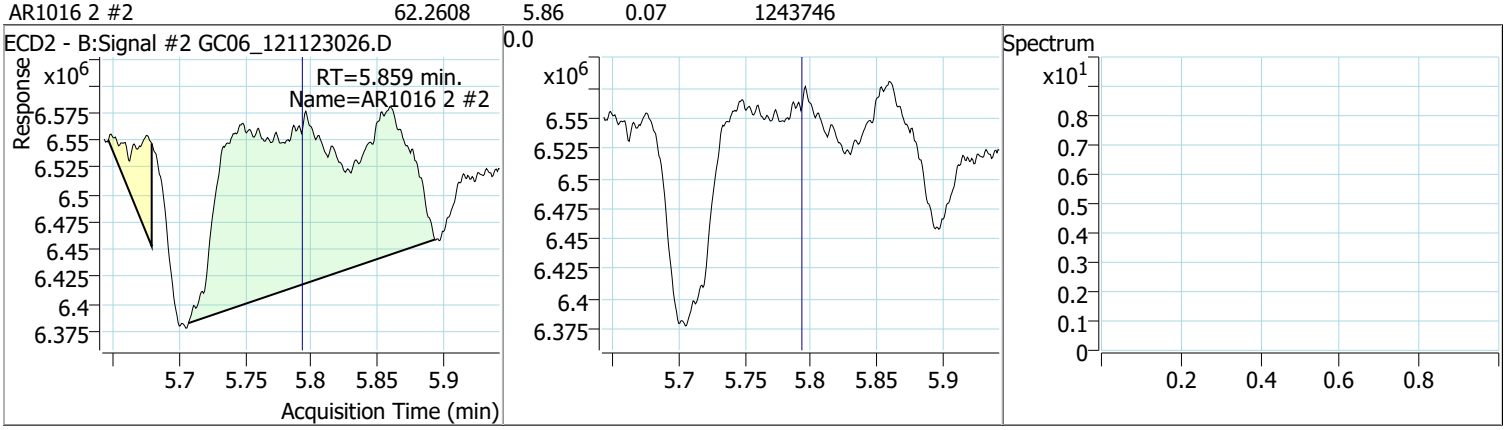
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 147.9109 | 5.43 | 0.02 | 1415833 | | | | |



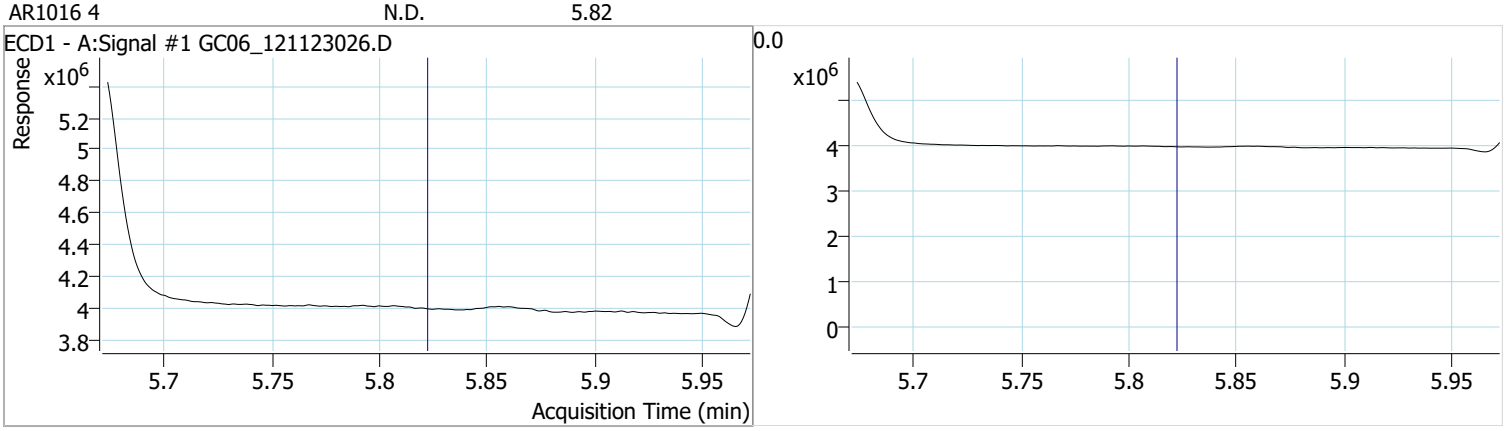

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 156.4904 | 5.67 | -0.03 | 1807093 | | | | |



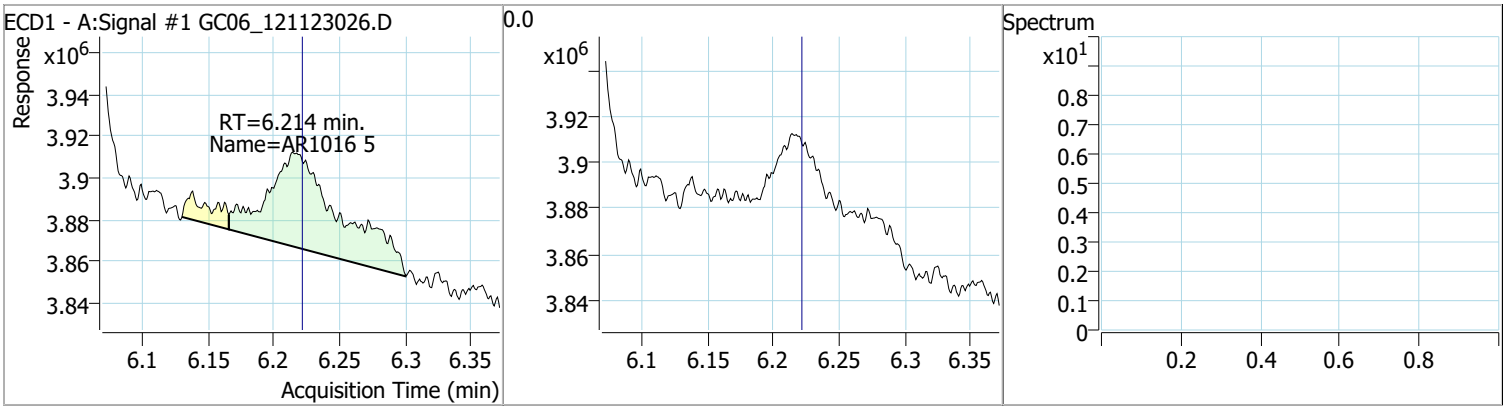

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 62.2608 | 5.86 | 0.07 | 1243746 | | | | |



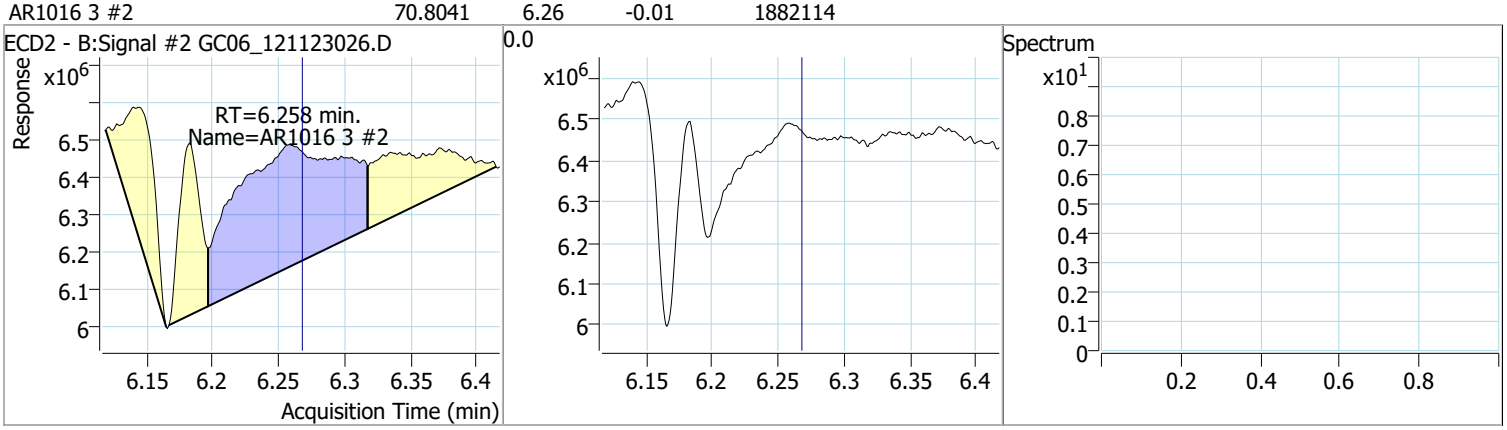

| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|---|---|---|---|---|
| AR1016 4 | N.D. | 5.82 | | |



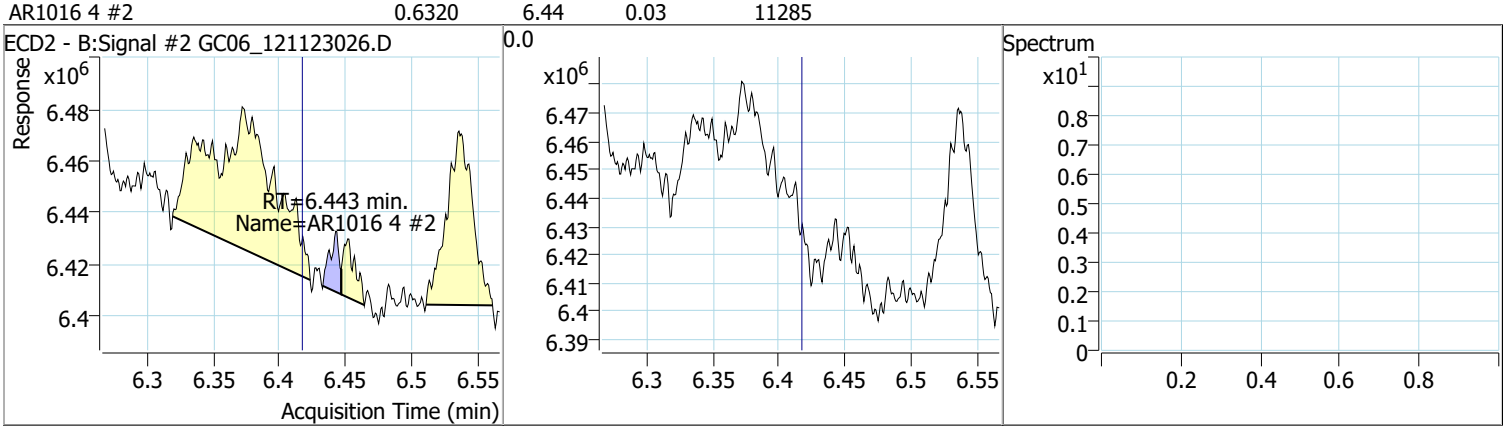
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 26.0691 | 6.21 | -0.01 | 179285 | | | | |



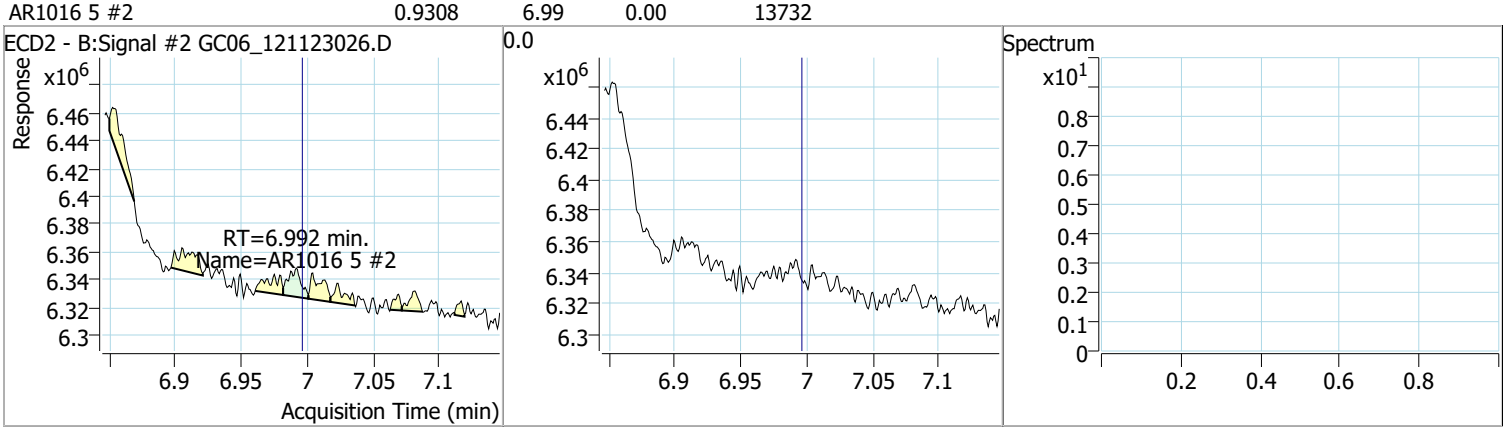

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 70.8041 | 6.26 | -0.01 | 1882114 | | | | |



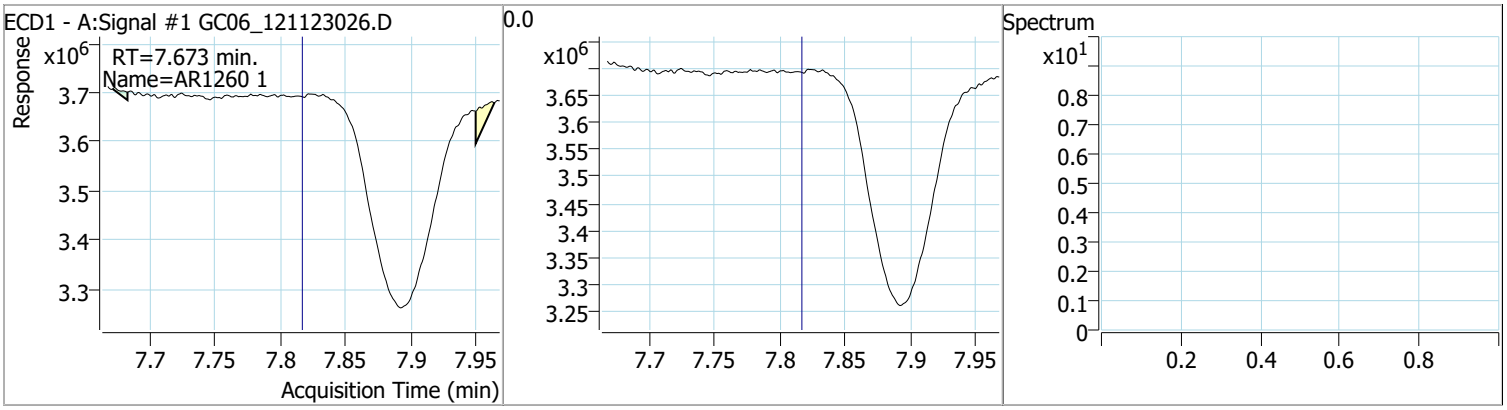

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 0.6320 | 6.44 | 0.03 | 11285 | | | | |



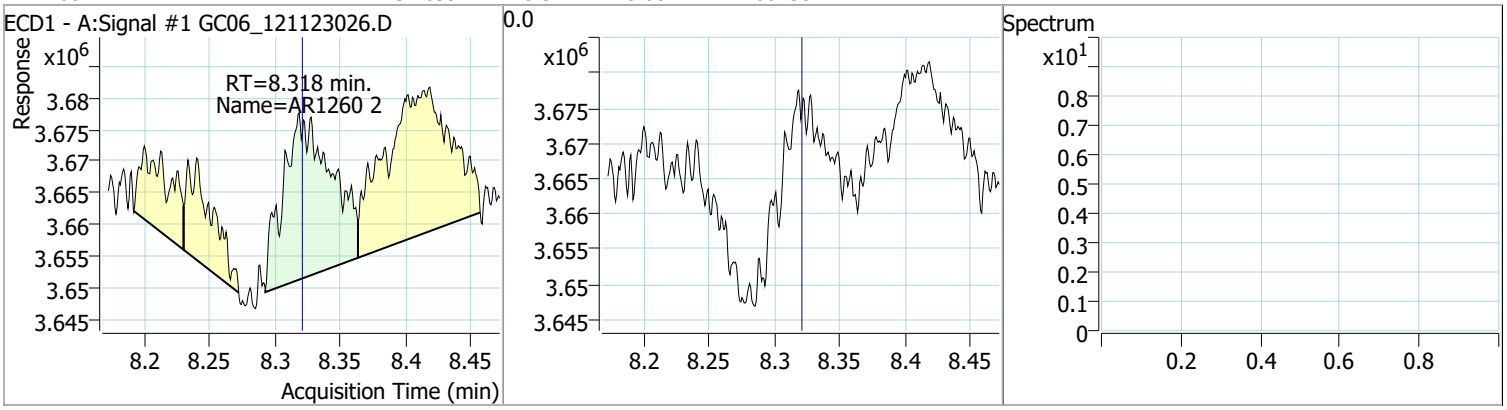

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 0.9308 | 6.99 | 0.00 | 13732 | | | | |



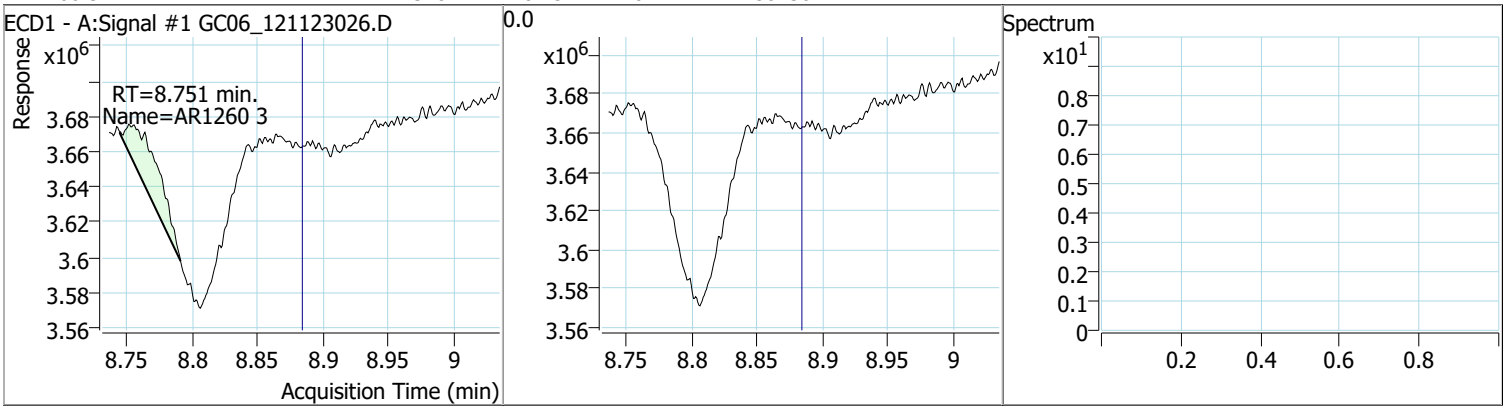
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 0.4462 | 7.67 | -0.15 | 5909 | | | | |



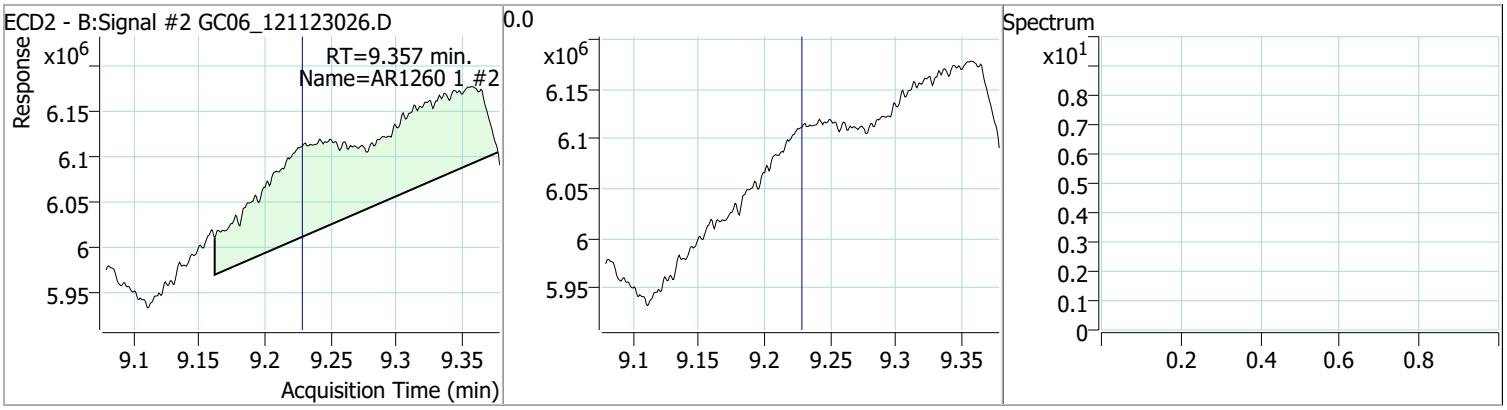

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 3.2099 | 8.32 | 0.00 | 66238 | | | | |



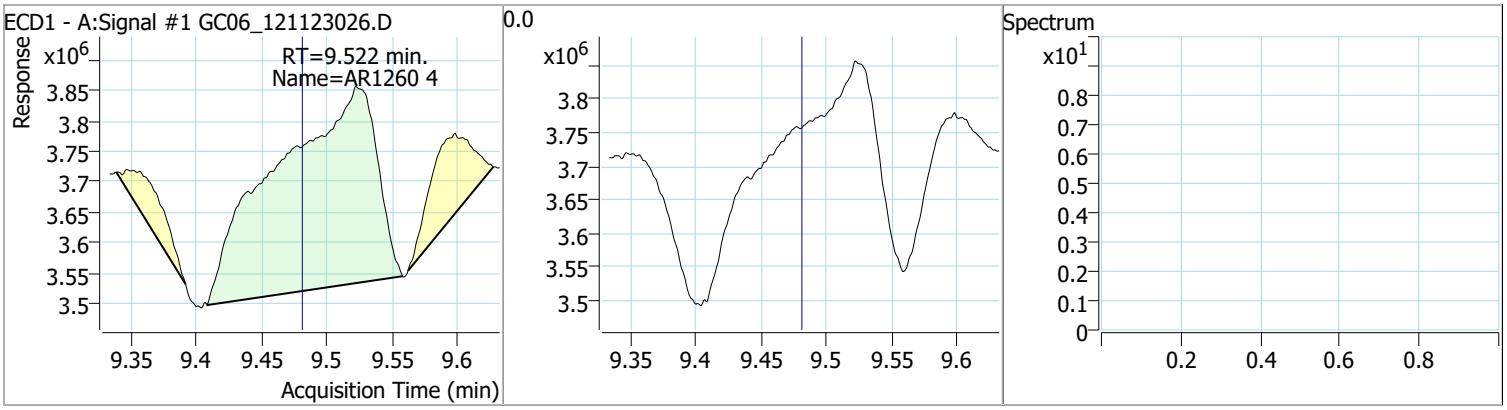

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 2.3181 | 8.75 | -0.14 | 50230 | | | | |



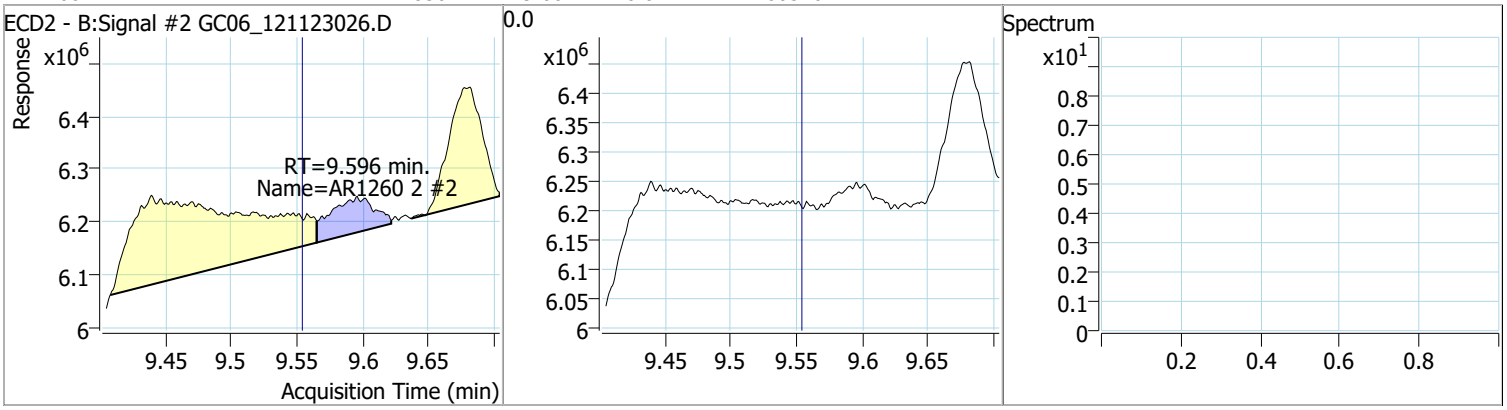

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 36.1034 | 9.36 | 0.13 | 989466 | | | | |



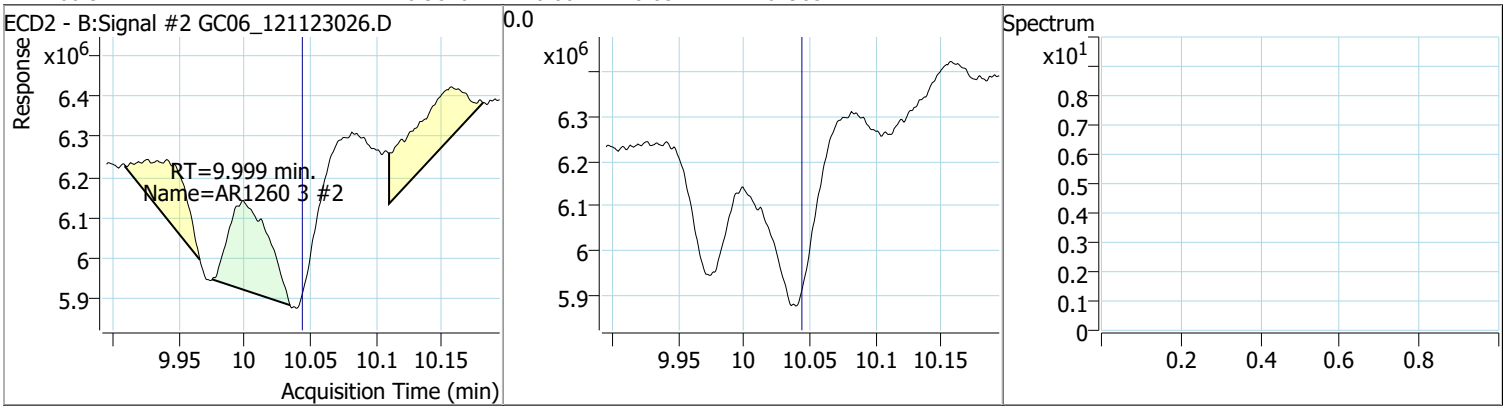
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 153.5688 | 9.52 | 0.04 | 1749231 | | | | |



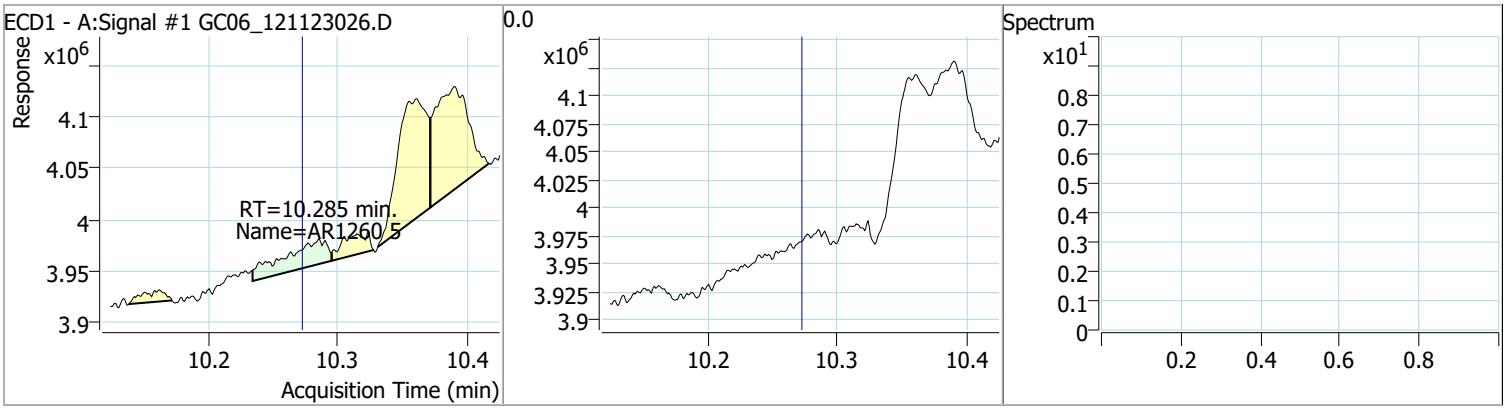

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 4.8562 | 9.60 | 0.04 | 160576 | | | | |



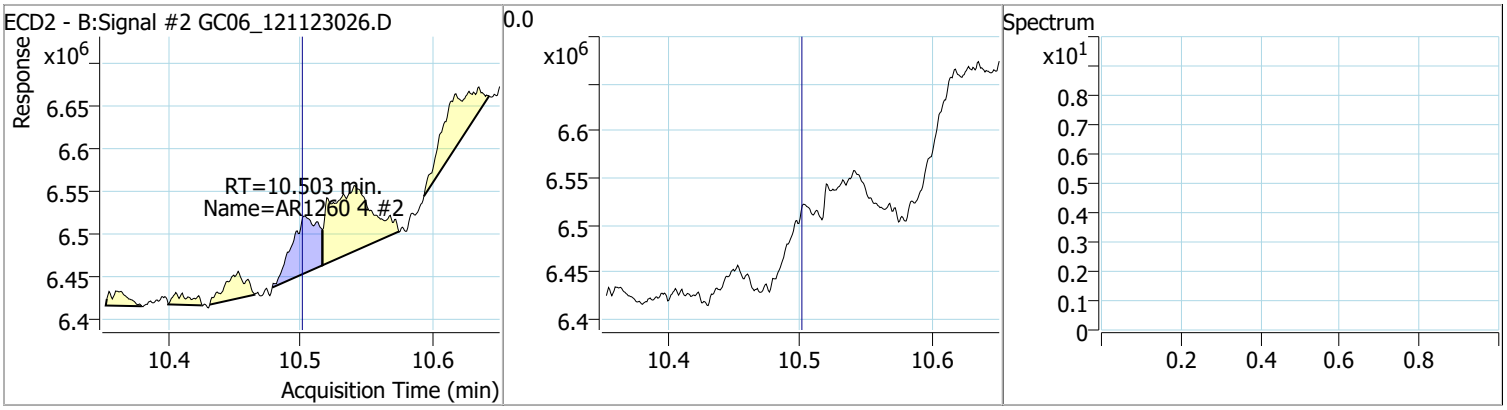

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 10.9840 | 10.00 | -0.05 | 462985 | | | | |



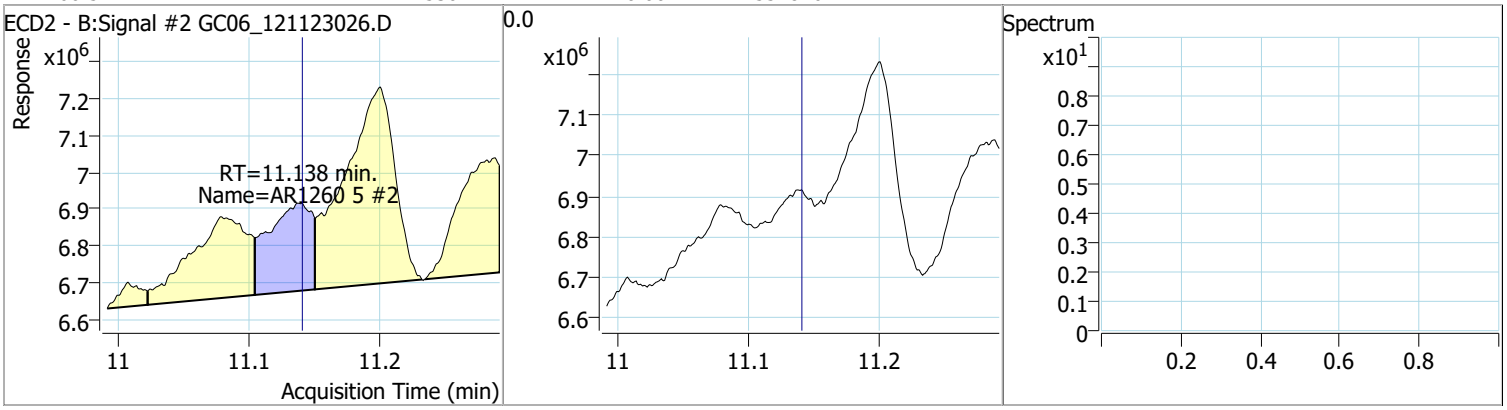

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 4.1515 | 10.29 | 0.01 | 60342 | | | | |



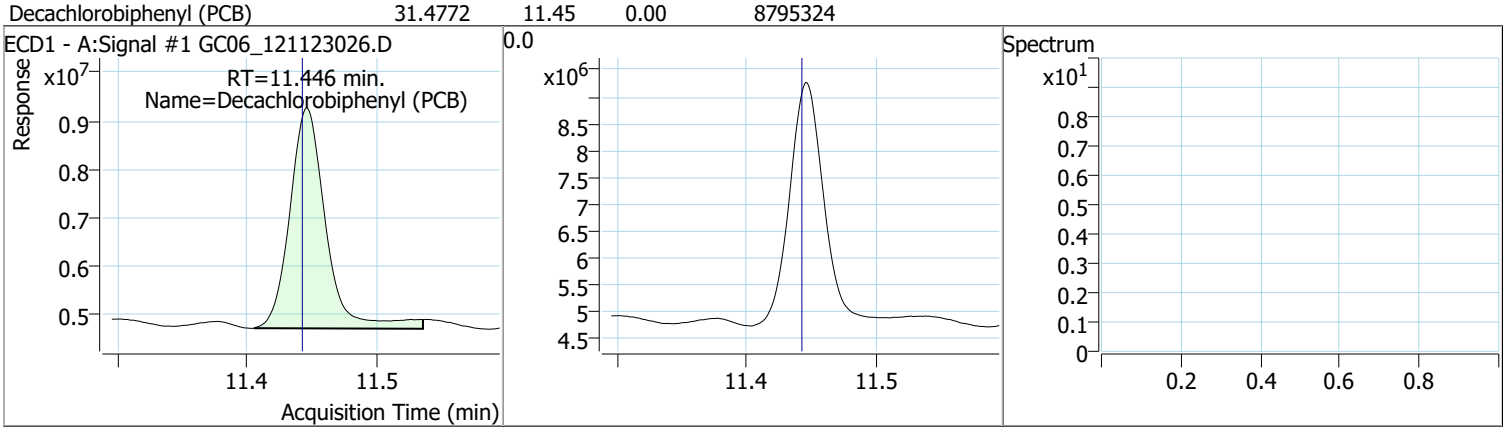
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 3.5812 | 10.50 | 0.00 | 91772 | | | | |



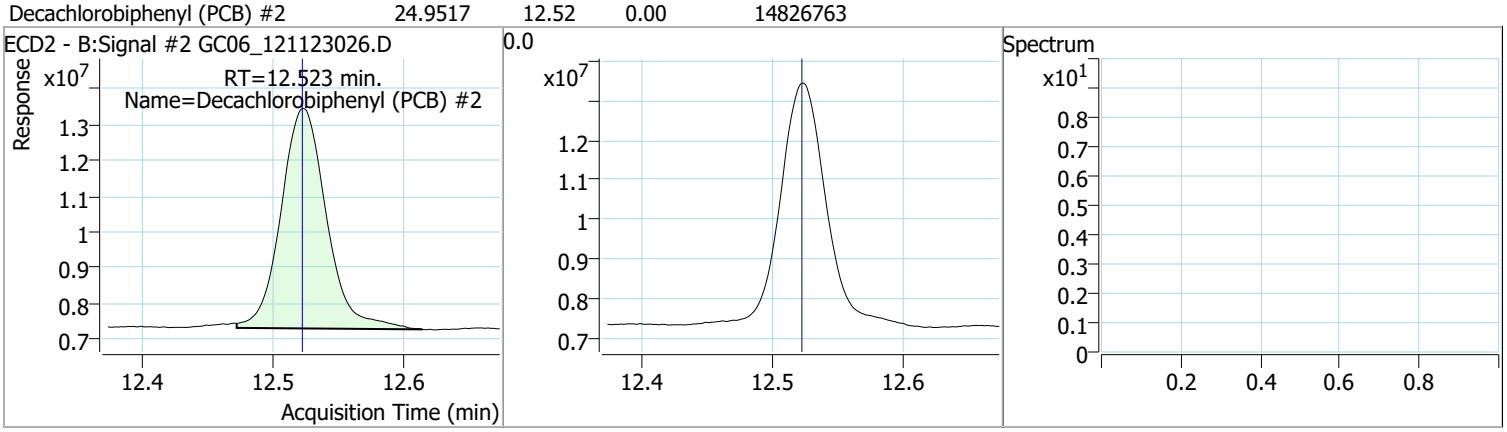

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 14.5301 | 11.14 | 0.00 | 551846 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 31.4772 | 11.45 | 0.00 | 8795324 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 24.9517 | 12.52 | 0.00 | 14826763 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-022 | Client ID: | AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-P-LA |
| Seqnum: | 453497606027 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123027 | Batch: | 328150 | Time: | 11-DEC-2023 21:22 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 56.60 | ~~0.57~~ ~~FP~~ | 0.81 | 36% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 150.2 | 1.50 | 2.02 | 30% | | | |
| Aroclor-1016 Peak # 2 | B | 78.24 | 0.78 | 0.64 | 20% | | | |
| Aroclor-1016 Peak # 3 | B | 51.66 | 0.52 | 1.19 | 79% | | | |
| Aroclor-1016 Peak # 4 | B | 1.822 | 0.02 | 0.06 | 110% | | | |
| Aroclor-1016 Peak # 5 | B | 1.089 | 0.01 | 0.16 | 175% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 16.61 | ND | 0.41 | 85% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 25.22 | 0.25 | 0.06 | 128% | | | |
| Aroclor-1260 Peak # 2 | B | 9.339 | 0.09 | 0.03 | 97% | | | |
| Aroclor-1260 Peak # 3 | B | 12.53 | 0.13 | 0.11 | 17% | | | |
| Aroclor-1260 Peak # 4 | B | 11.78 | 0.12 | 1.83 | 176% | | | |
| Aroclor-1260 Peak # 5 | B | 24.15 | 0.24 | 0.03 | 159% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 33.56 | 0.5000 | 0.3356 | 67 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 32.83 | 0.5000 | 0.3283 | 66 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10509254 | 15.97 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4231072 | 7.10 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

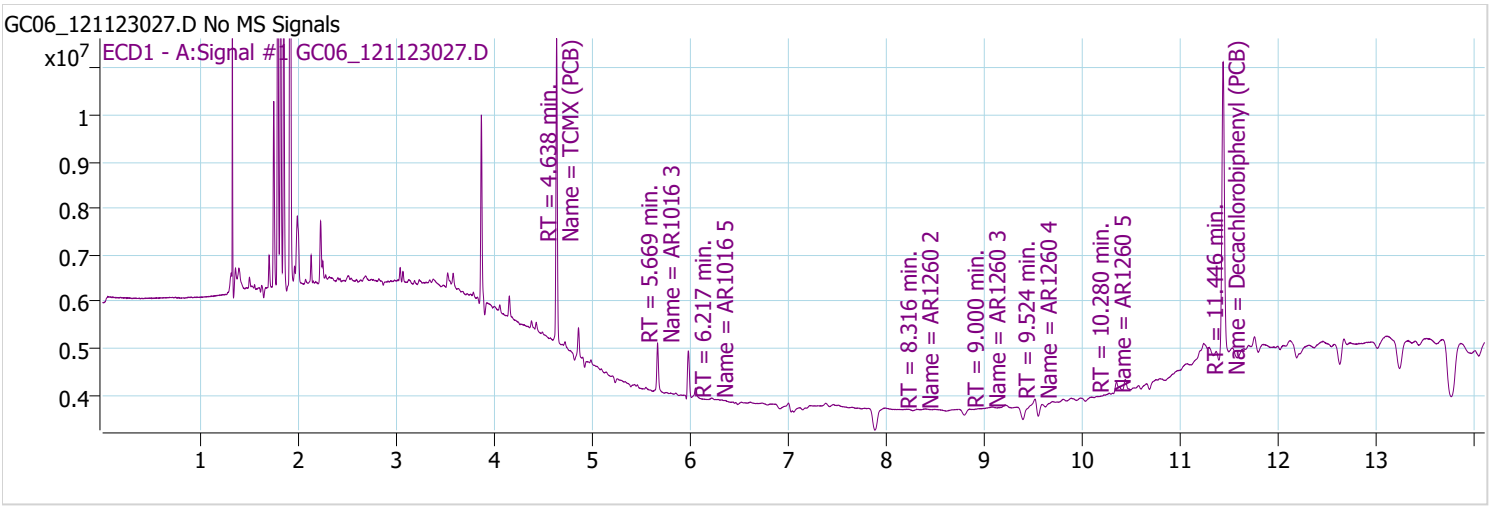
12/12/23 : WIPE/1DM^2-10ML

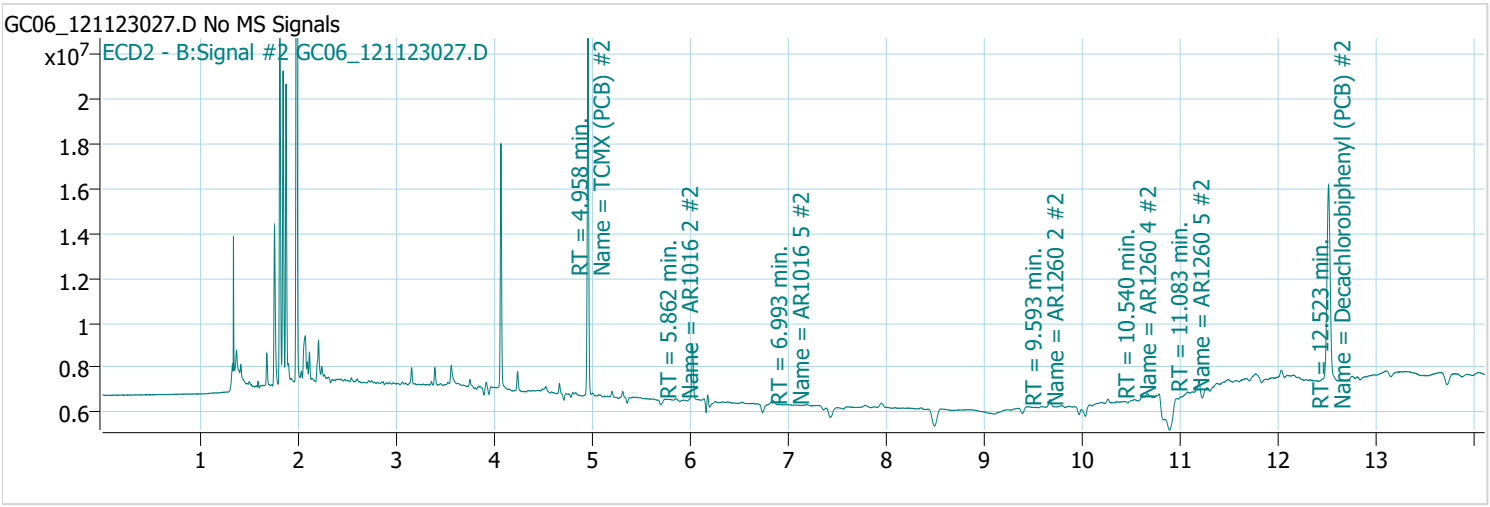
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123027.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 9:22:34 PM |
| Sample Name | 497480-022, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 14 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



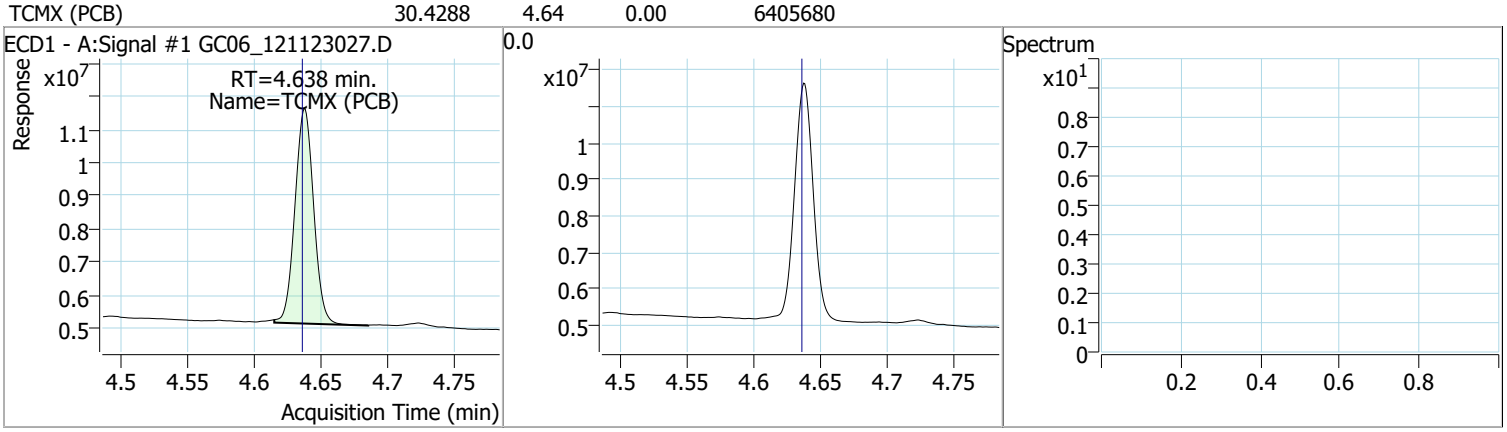




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.869 | 0.0 | 4231072.185 | 20.0000 | ng/ml | | -0.003 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.069 | 0.0 | 10509254.044 | 20.0000 | ng/ml | | -0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.638 | 0.0 | 6405680.431 | 30.4288 | ng/ml | | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 152.14% | | * | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 16576939.350 | 33.5563 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 167.78% | | * | |
| S Decachlorobiphenyl (PCB) | 11.446 | 0.0 | 11772533.643 | 43.6174 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 218.09% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 19803292.804 | 32.8273 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 164.14% | | * | |
| **Target Compounds** | | | | | | | QValue |

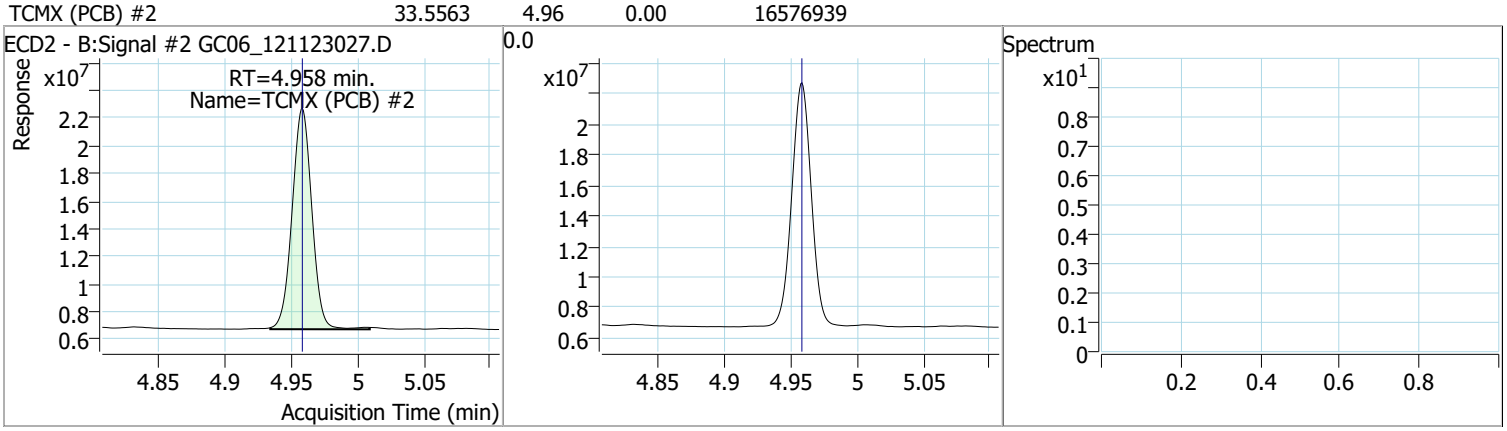
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.989 | 0.0 | 928813.173 | 202.2582 | ng/ml | 100 |
| T AR1016 2 | 5.256 | 0.0 | 592181.862 | 64.2486 | ng/ml | 100 |
| T AR1016 1 #2 | 5.430 | 0.0 | 1459657.990 | 150.2045 | ng/ml | 100 |
| T AR1016 3 | 5.669 | 0.0 | 1322211.982 | 118.5368 | ng/ml | 100 |
| T AR1016 2 #2 | 5.862 | 0.0 | 1586828.985 | 78.2450 | ng/ml | 100 |
| T AR1016 4 | 5.803 | 0.0 | 46302.883 | 6.2722 | ng/ml | 100 |
| T AR1016 5 | 6.217 | 0.0 | 106289.057 | 15.9999 | ng/ml | 100 |
| T AR1016 3 #2 | 6.258 | 0.0 | 1394122.681 | 51.6603 | ng/ml | 100 |
| T AR1016 4 #2 | 6.445 | 0.0 | 33026.913 | 1.8218 | ng/ml | 100 |
| T AR1016 5 #2 | 6.993 | 0.0 | 16304.487 | 1.0886 | ng/ml | 100 |
| T AR1260 1 | 7.956 | 0.0 | 71072.028 | 5.5559 | ng/ml | 100 |
| T AR1260 2 | 8.316 | 0.0 | 64719.587 | 3.2468 | ng/ml | 100 |
| T AR1260 3 | 9.000 | 0.0 | 222186.198 | 10.6151 | ng/ml | 100 |
| T AR1260 1 #2 | 9.231 | 0.0 | 701790.601 | 25.2231 | ng/ml | 100 |
| T AR1260 4 | 9.524 | 0.0 | 2009927.545 | 182.6759 | ng/ml | 100 |
| T AR1260 2 #2 | 9.593 | 0.0 | 313496.110 | 9.3389 | ng/ml | 100 |
| T AR1260 3 #2 | 9.998 | 0.0 | 536370.873 | 12.5344 | ng/ml | 100 |
| T AR1260 5 | 10.280 | 0.0 | 38879.862 | 2.7692 | ng/ml | 100 |
| T AR1260 4 #2 | 10.540 | 0.0 | 306553.759 | 11.7834 | ng/ml | 100 |
| T AR1260 5 #2 | 11.083 | 0.0 | 931232.853 | 24.1520 | ng/ml | 100 |

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

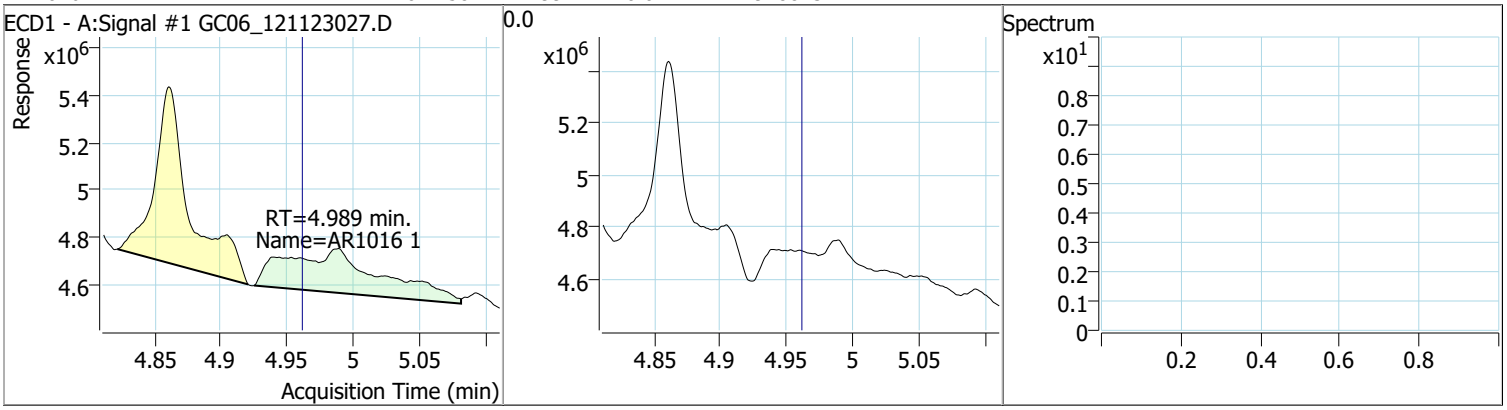
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 30.4288 | 4.64 | 0.00 | 6405680 | | | | |



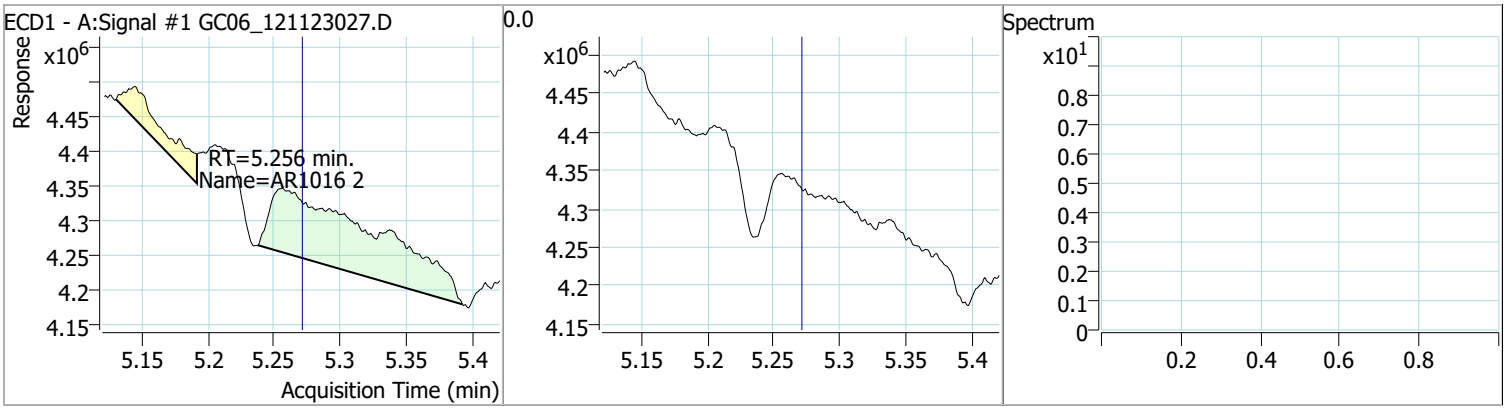

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 33.5563 | 4.96 | 0.00 | 16576939 | | | | |



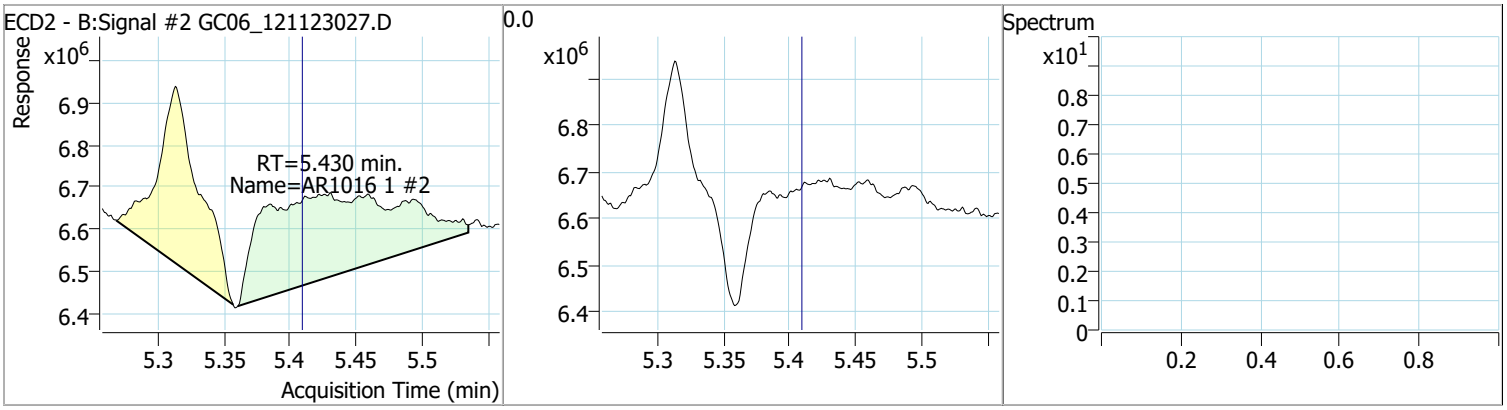

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 202.2582 | 4.99 | 0.02 | 928813 | | | | |



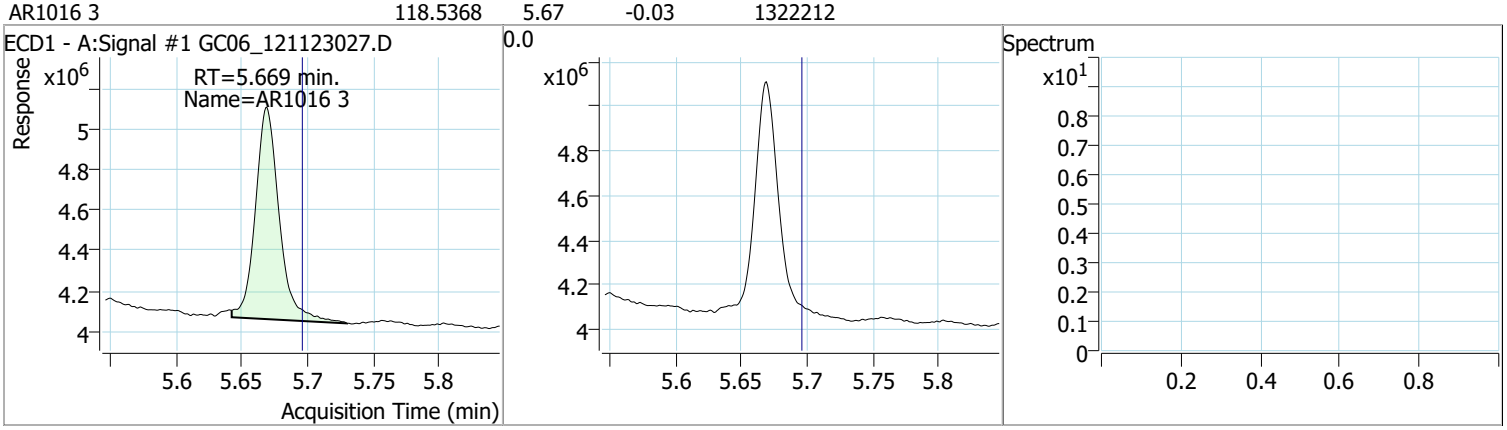

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 64.2486 | 5.26 | -0.02 | 592182 | | | | |



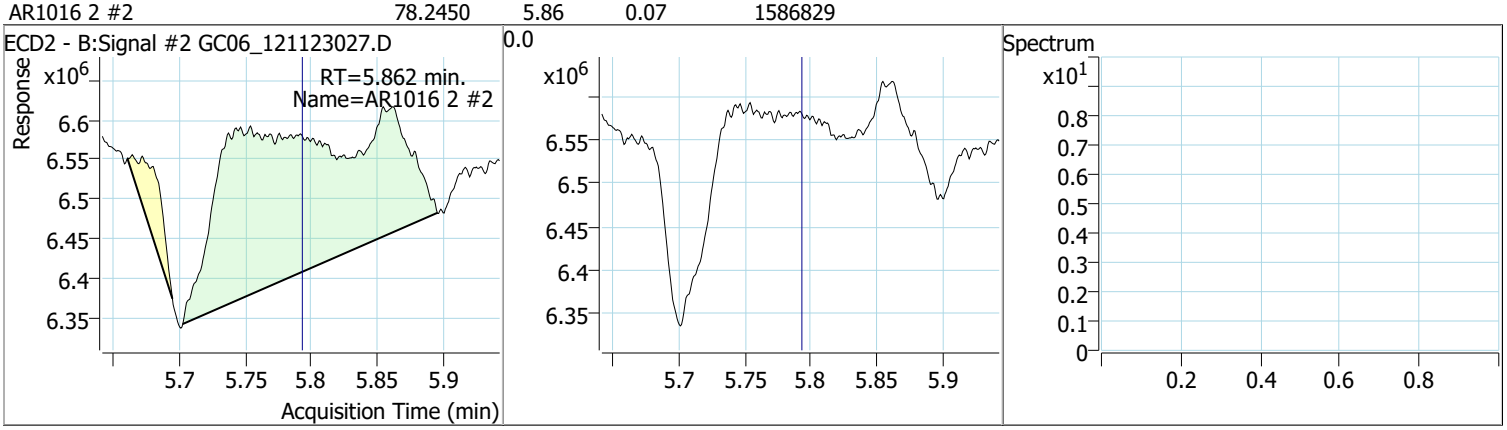
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 150.2045 | 5.43 | 0.02 | 1459658 | | | | |



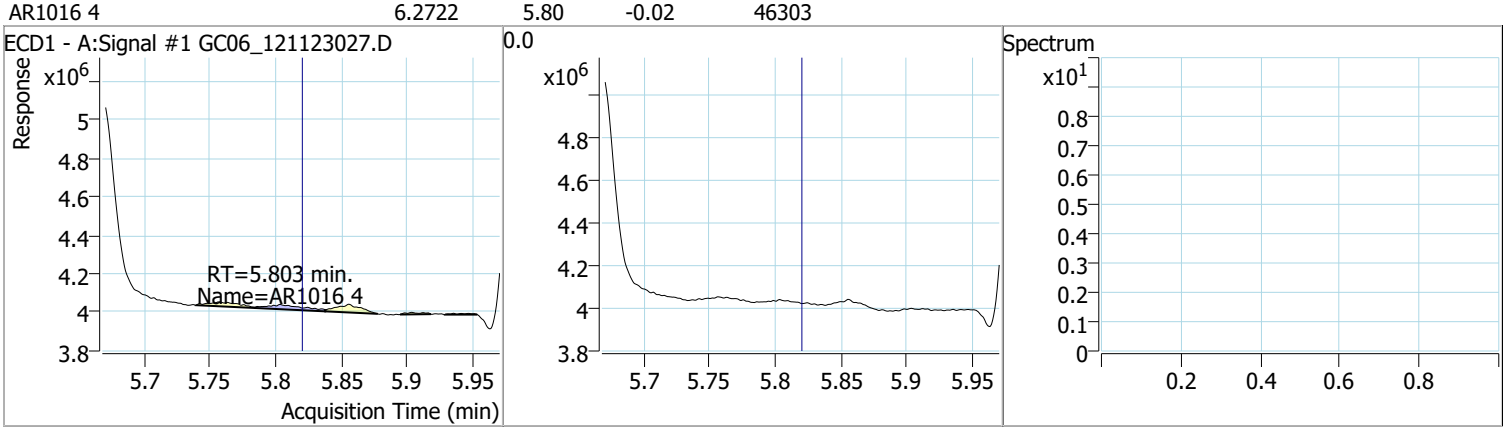

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 118.5368 | 5.67 | -0.03 | 1322212 | | | | |



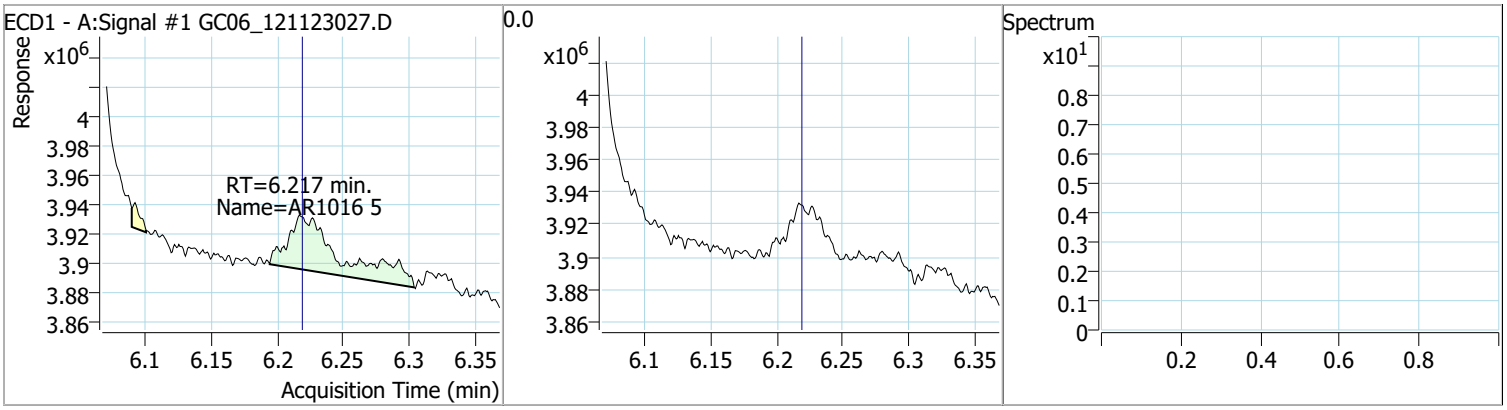

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 78.2450 | 5.86 | 0.07 | 1586829 | | | | |



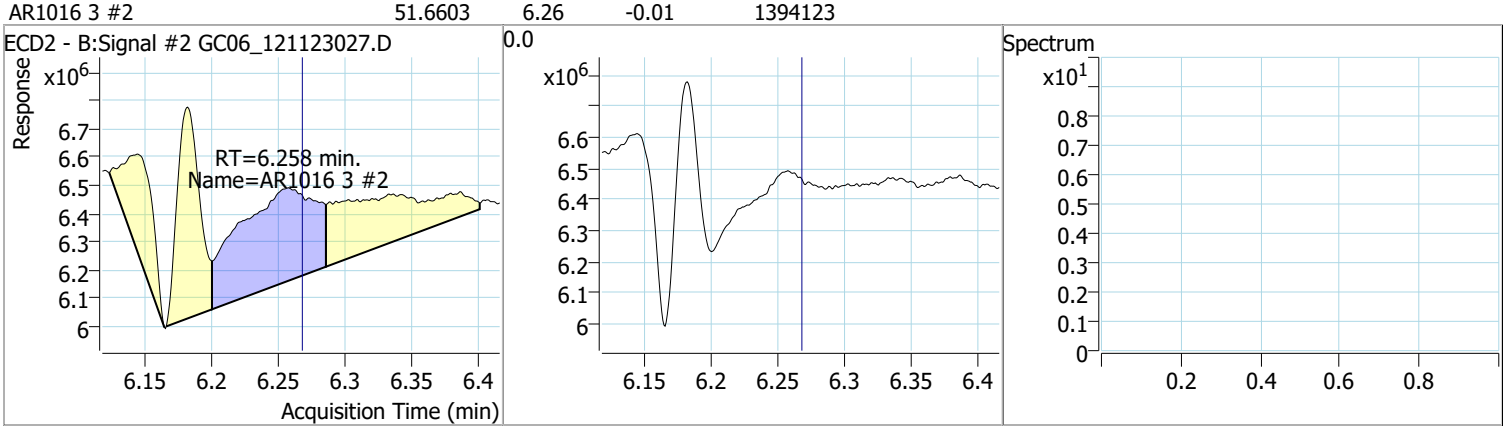

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 6.2722 | 5.80 | -0.02 | 46303 | | | | |



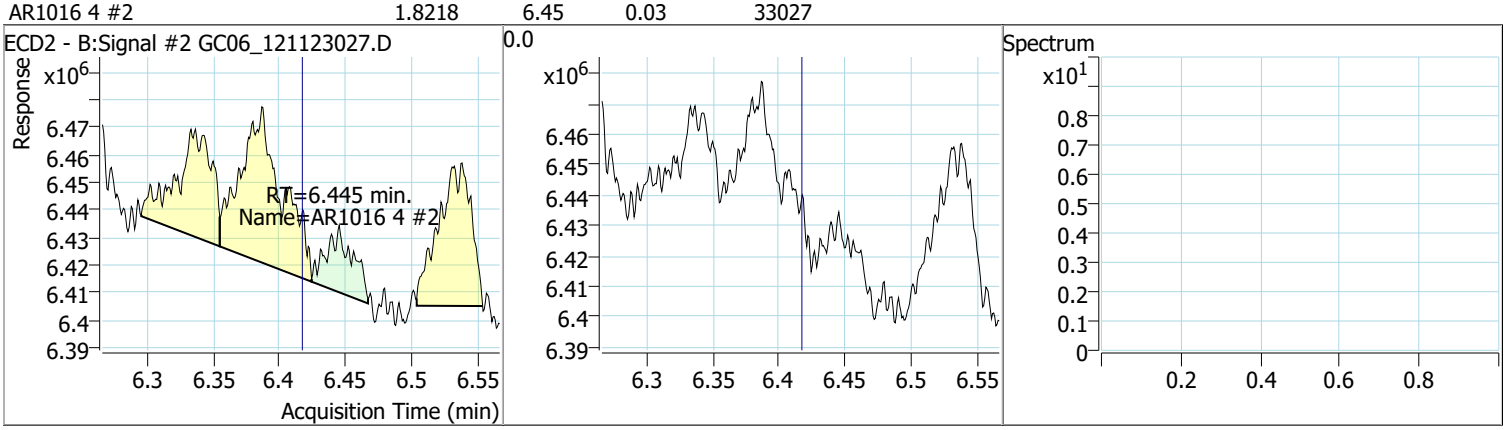
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 15.9999 | 6.22 | -0.01 | 106289 | | | | |



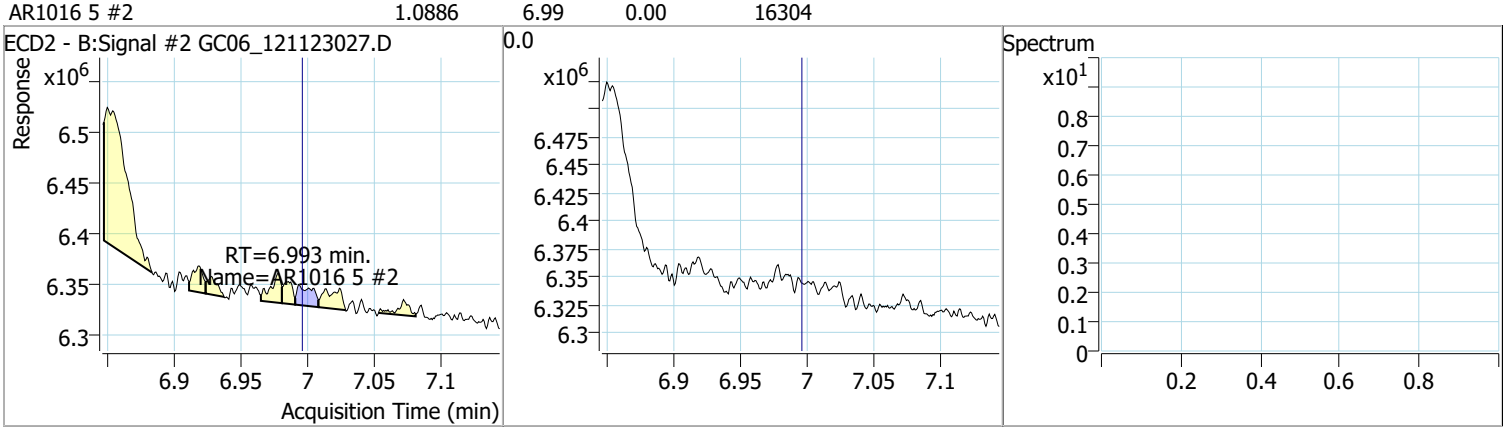

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 51.6603 | 6.26 | -0.01 | 1394123 | | | | |



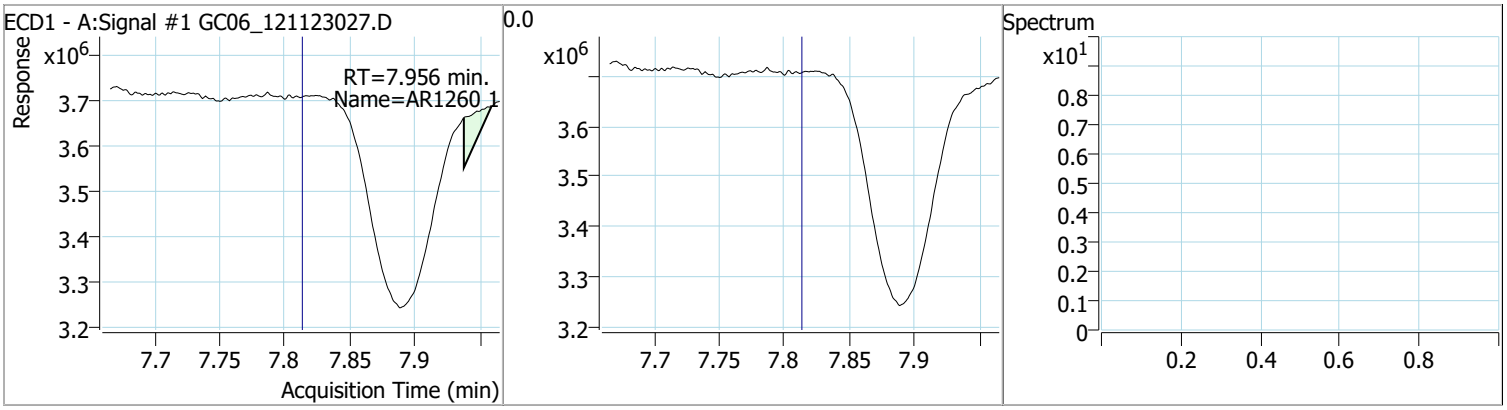

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1.8218 | 6.45 | 0.03 | 33027 | | | | |



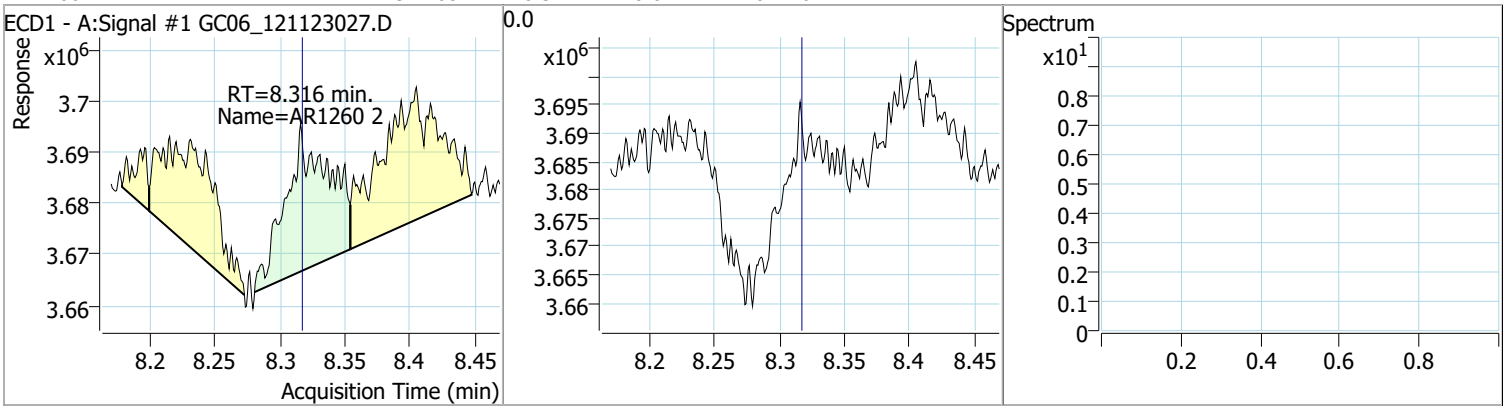

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.0886 | 6.99 | 0.00 | 16304 | | | | |



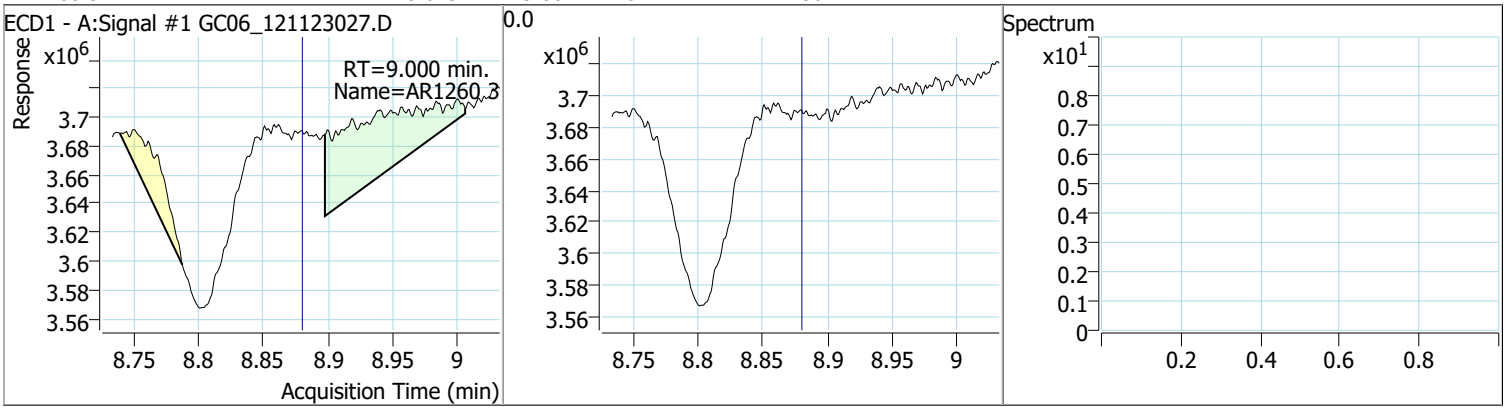
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 5.5559 | 7.96 | 0.14 | 71072 | | | | |



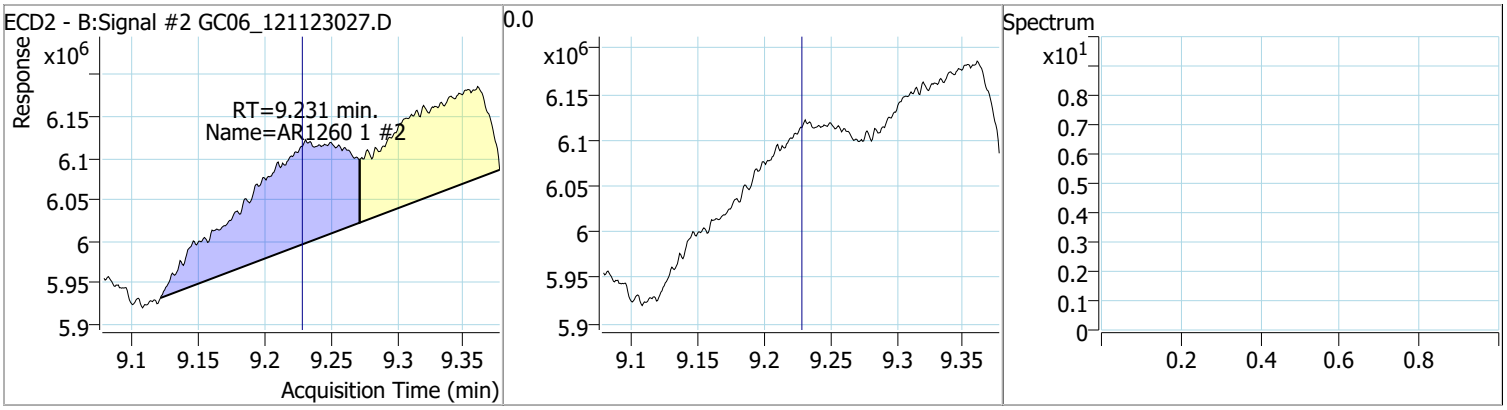

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 3.2468 | 8.32 | -0.01 | 64720 | | | | |



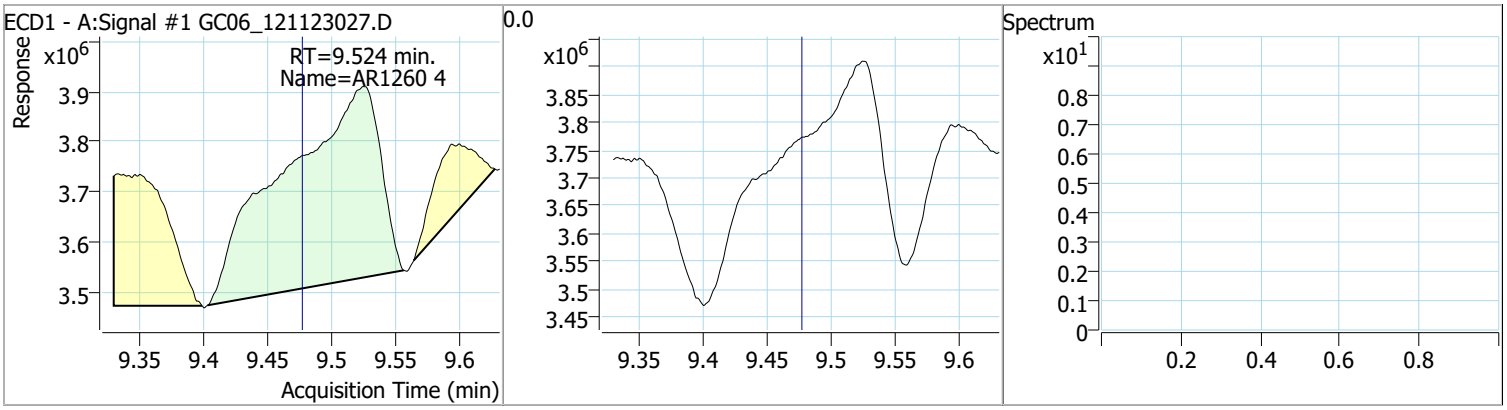

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 10.6151 | 9.00 | 0.11 | 222186 | | | | |



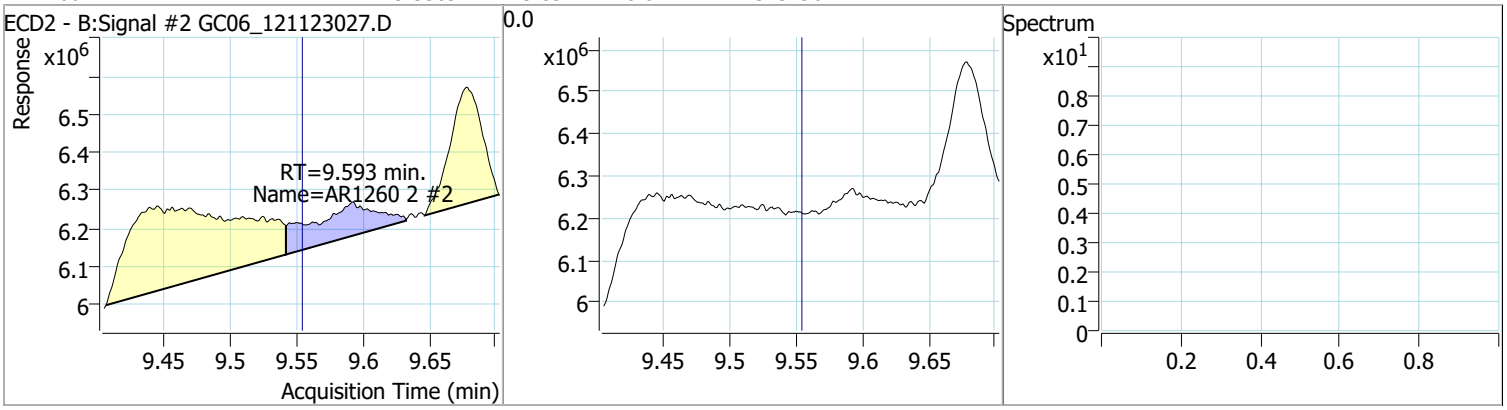

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 25.2231 | 9.23 | 0.00 | 701791 | | | | |



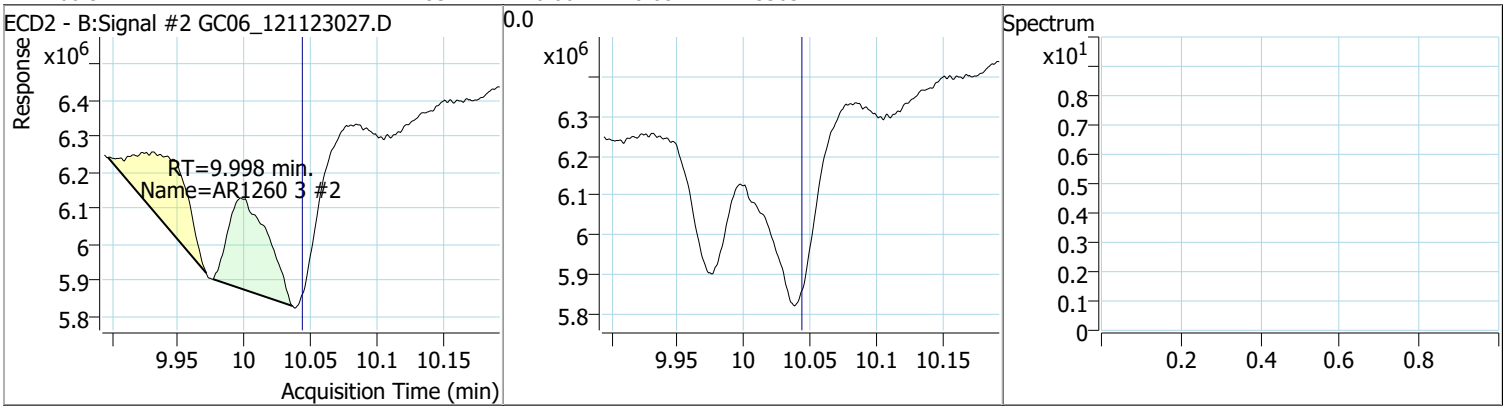
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 182.6759 | 9.52 | 0.04 | 2009928 | | | | |



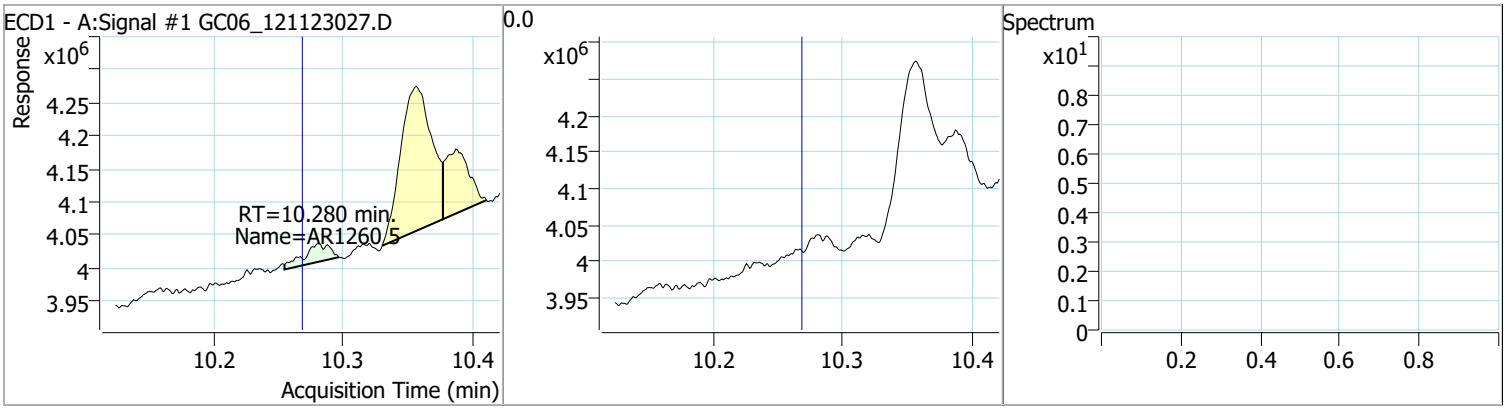

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 9.3389 | 9.59 | 0.04 | 313496 | | | | |



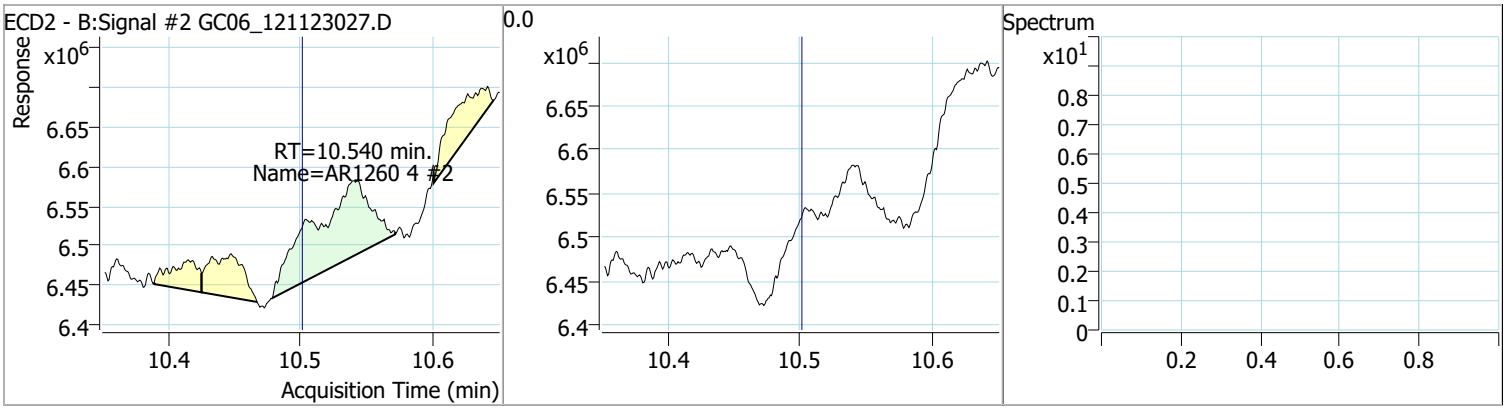

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 12.5344 | 10.00 | -0.05 | 536371 | | | | |



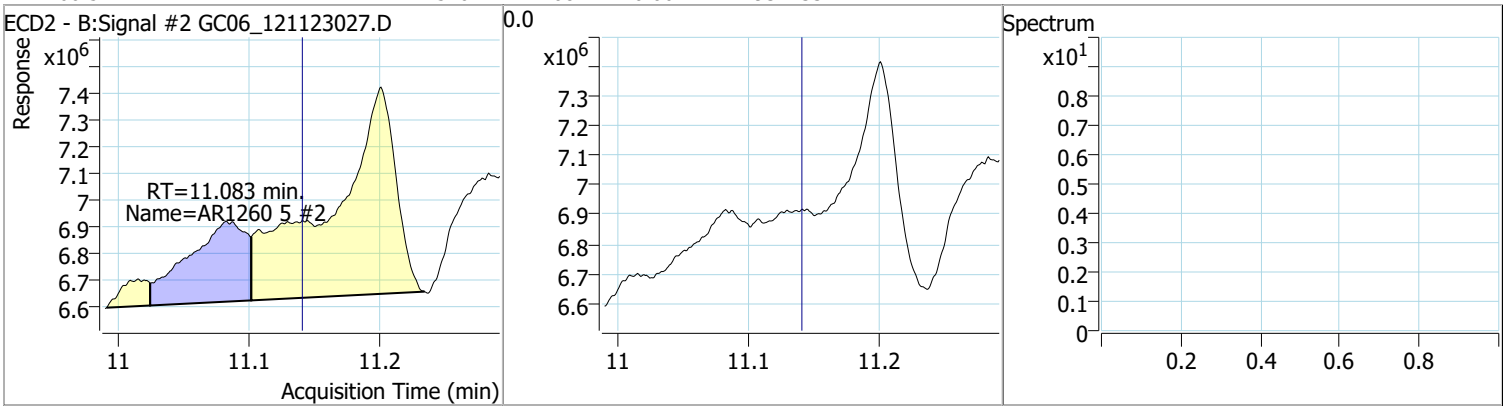

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 2.7692 | 10.28 | 0.00 | 38880 | | | | |



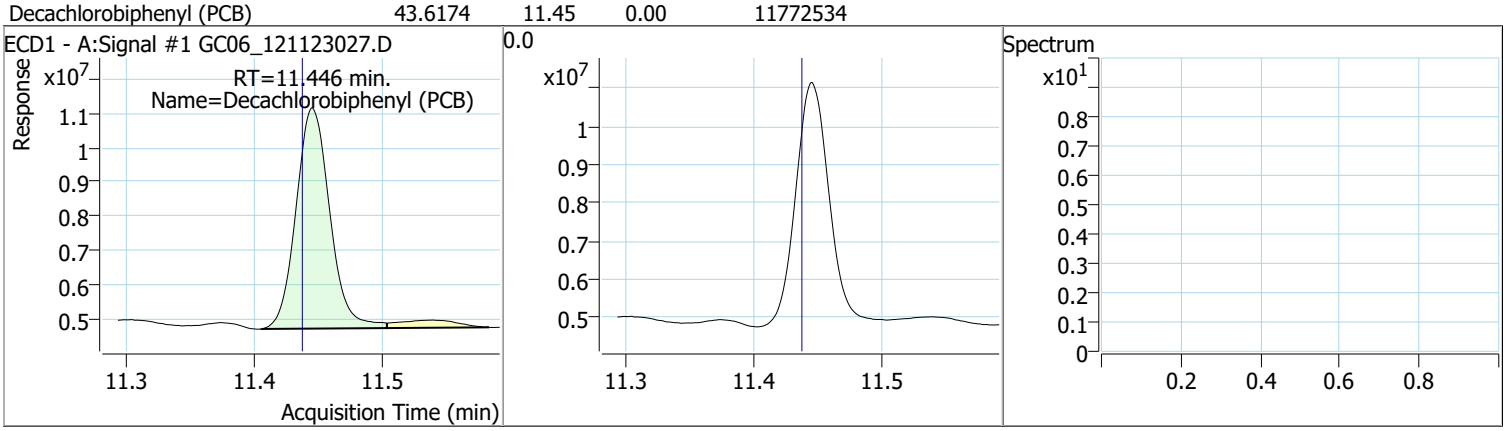
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 11.7834 | 10.54 | 0.04 | 306554 | | | | |



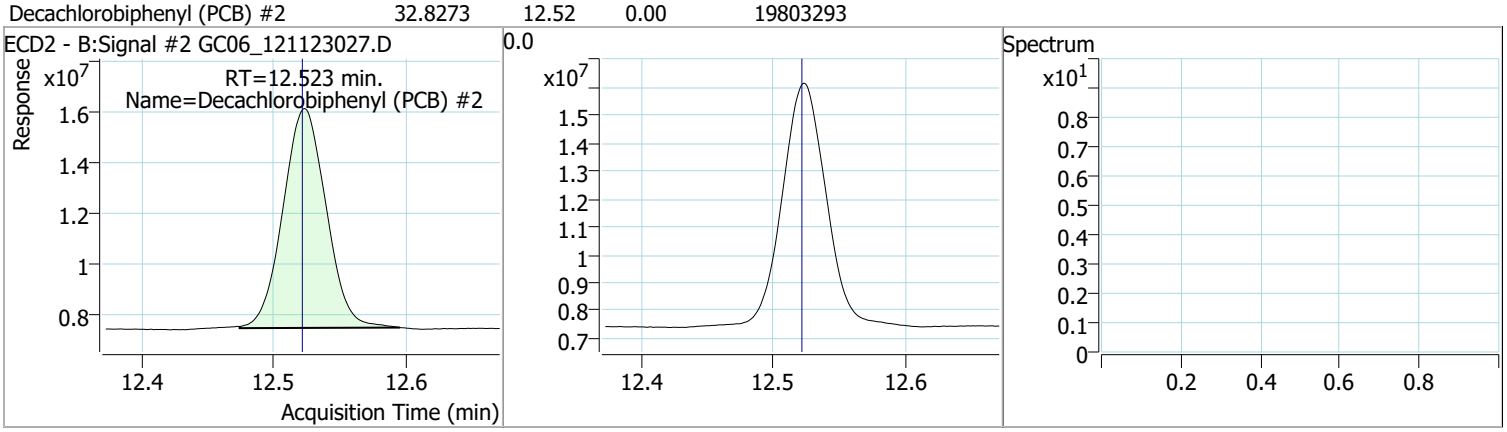

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 24.1520 | 11.08 | -0.06 | 931233 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 43.6174 | 11.45 | 0.00 | 11772534 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 32.8273 | 12.52 | 0.00 | 19803293 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | 497480-024 | Client ID: | 231208-P-FIELDBLANK |
| Seqnum: | 453497606028 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc06_121123028 | Batch: | 328150 | Time: | 11-DEC-2023 21:42 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 55.50 | ~~0.55~~ ~~FP~~ | 0.54 | 3% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 88.57 | 0.89 | 1.15 | 26% | | | |
| Aroclor-1016 Peak # 2 | B | 61.45 | 0.61 | 0.42 | 37% | | | |
| Aroclor-1016 Peak # 3 | B | 116.1 | 1.16 | 0.65 | 56% | | | |
| Aroclor-1016 Peak # 4 | B | 9.940 | 0.10 | 0.30 | 99% | | | |
| Aroclor-1016 Peak # 5 | B | 1.397 | 0.01 | 0.18 | 172% | | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 24.79 | ND | 0.40 | 46% | 0.50 | | u |
| Aroclor-1260 Peak # 1 | B | 45.82 | 0.46 | 0.07 | 146% | | | |
| Aroclor-1260 Peak # 2 | B | 8.083 | 0.08 | 0.03 | 92% | | | |
| Aroclor-1260 Peak # 3 | B | 11.41 | 0.11 | 0.14 | 20% | | | |
| Aroclor-1260 Peak # 4 | B | 11.34 | 0.11 | 1.64 | 174% | | | |
| Aroclor-1260 Peak # 5 | B | 47.30 | 0.47 | 0.11 | 127% | | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 32.65 | 0.5000 | 0.3265 | 65 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 32.98 | 0.5000 | 0.3298 | 66 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 8831203 | -2.55 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 3685657 | -6.71 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

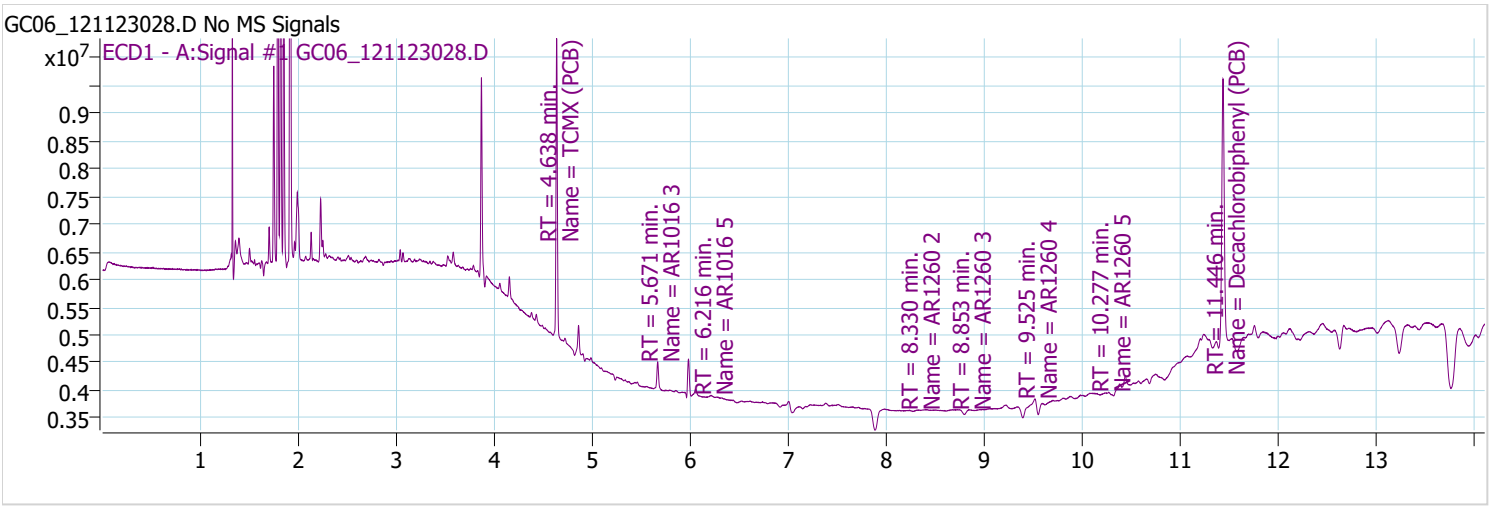
12/12/23 : WIPE/1DM^2-10ML

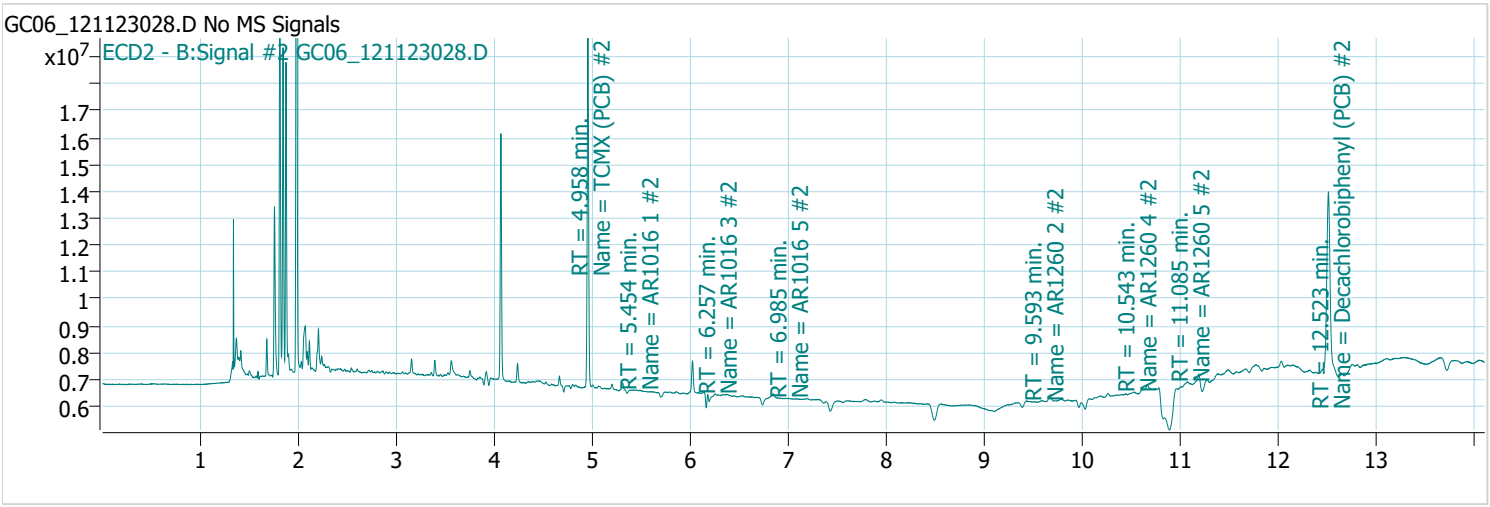
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123028.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 9:42:28 PM |
| Sample Name | 497480-024, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 15 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



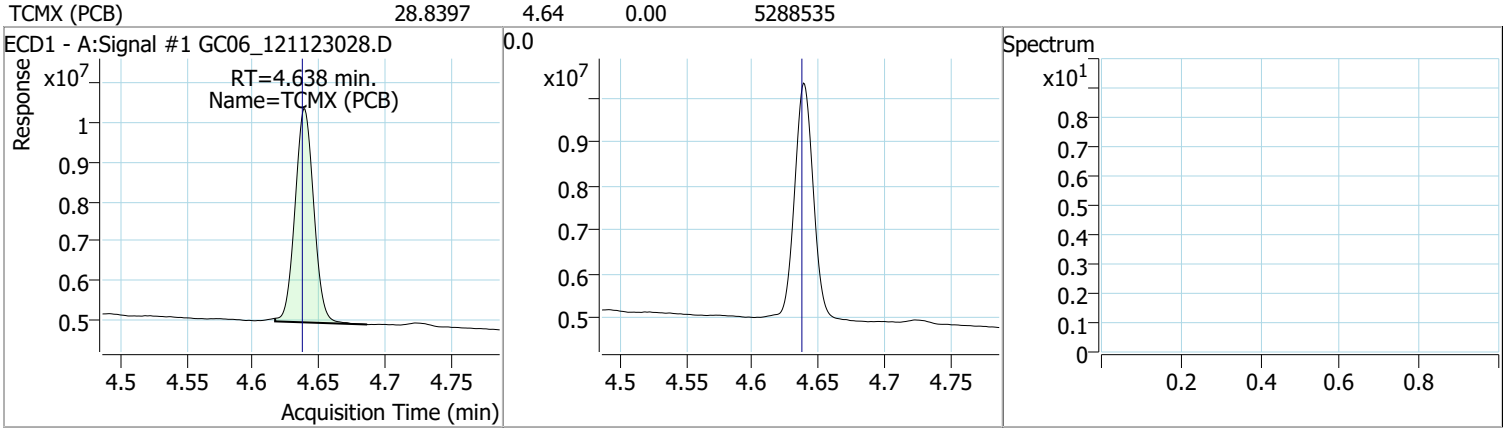




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.870 | 0.0 | 3685657.324 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.069 | 0.0 | 8831202.867 | 20.0000 | ng/ml | | -0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.638 | 0.0 | 5288535.156 | 28.8397 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 144.20% | | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 13554167.000 | 32.6509 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 163.25% | | * | |
| S Decachlorobiphenyl (PCB) | 11.446 | 0.0 | 9339917.524 | 39.7254 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 198.63% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 16719744.985 | 32.9822 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 164.91% | | * | |
| **Target Compounds** | | | | | | | QValue |

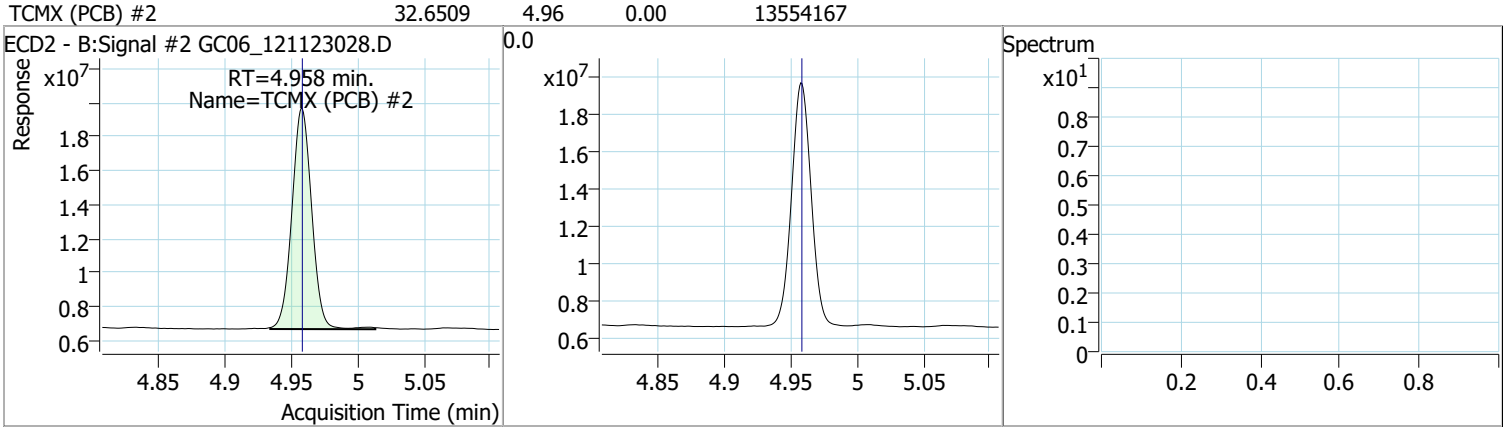
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.990 | 0.0 | 459124.305 | 114.7740 | ng/ml | 100 |
| T AR1016 2 | 5.253 | 0.0 | 337899.763 | 42.0855 | ng/ml | 100 |
| T AR1016 1 #2 | 5.454 | 0.0 | 723250.334 | 88.5671 | ng/ml | 100 |
| T AR1016 3 | 5.671 | 0.0 | 631451.750 | 64.9872 | ng/ml | 100 |
| T AR1016 2 #2 | 5.857 | 0.0 | 1047330.748 | 61.4558 | ng/ml | 100 |
| T AR1016 4 | 5.791 | 0.0 | 190334.717 | 29.5982 | ng/ml | 100 |
| T AR1016 5 | 6.216 | 0.0 | 105833.393 | 18.2889 | ng/ml | 100 |
| T AR1016 3 #2 | 6.257 | 0.0 | 2633460.151 | 116.1274 | ng/ml | 100 |
| T AR1016 4 #2 | 6.375 | 0.0 | 151425.484 | 9.9398 | ng/ml | 100 |
| T AR1016 5 #2 | 6.985 | 0.0 | 17581.450 | 1.3969 | ng/ml | 100 |
| T AR1260 1 | 7.945 | 0.0 | 78955.105 | 7.0855 | ng/ml | 100 |
| T AR1260 2 | 8.330 | 0.0 | 52025.826 | 2.9962 | ng/ml | 100 |
| T AR1260 3 | 8.853 | 0.0 | 254068.270 | 13.9345 | ng/ml | 100 |
| T AR1260 1 #2 | 9.342 | 0.0 | 1071346.741 | 45.8219 | ng/ml | 100 |
| T AR1260 4 | 9.525 | 0.0 | 1568070.165 | 163.6070 | ng/ml | 100 |
| T AR1260 2 #2 | 9.593 | 0.0 | 228005.202 | 8.0828 | ng/ml | 100 |
| T AR1260 3 #2 | 9.998 | 0.0 | 410375.422 | 11.4123 | ng/ml | 100 |
| T AR1260 5 | 10.277 | 0.0 | 129307.746 | 10.5730 | ng/ml | 100 |
| T AR1260 4 #2 | 10.543 | 0.0 | 247863.776 | 11.3378 | ng/ml | 100 |
| T AR1260 5 #2 | 11.085 | 0.0 | 1532429.293 | 47.2964 | ng/ml | 100 |

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

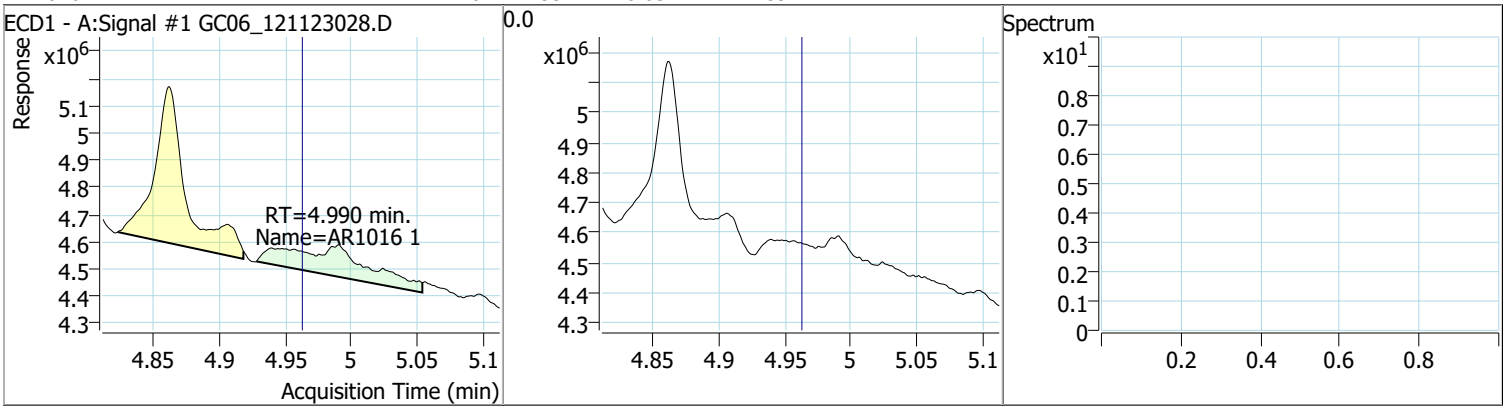
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 28.8397 | 4.64 | 0.00 | 5288535 | | | | |



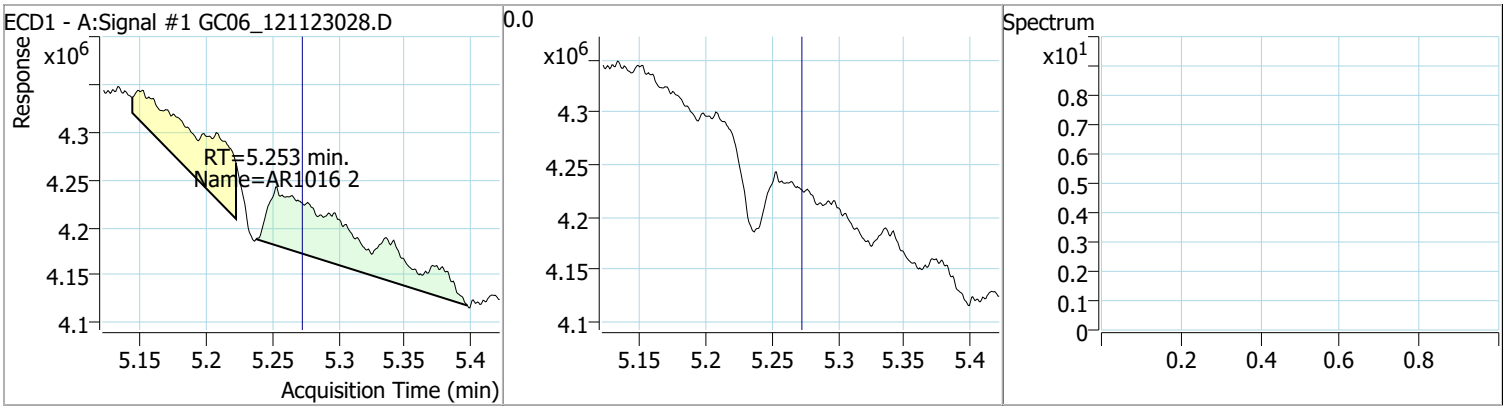

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 32.6509 | 4.96 | 0.00 | 13554167 | | | | |



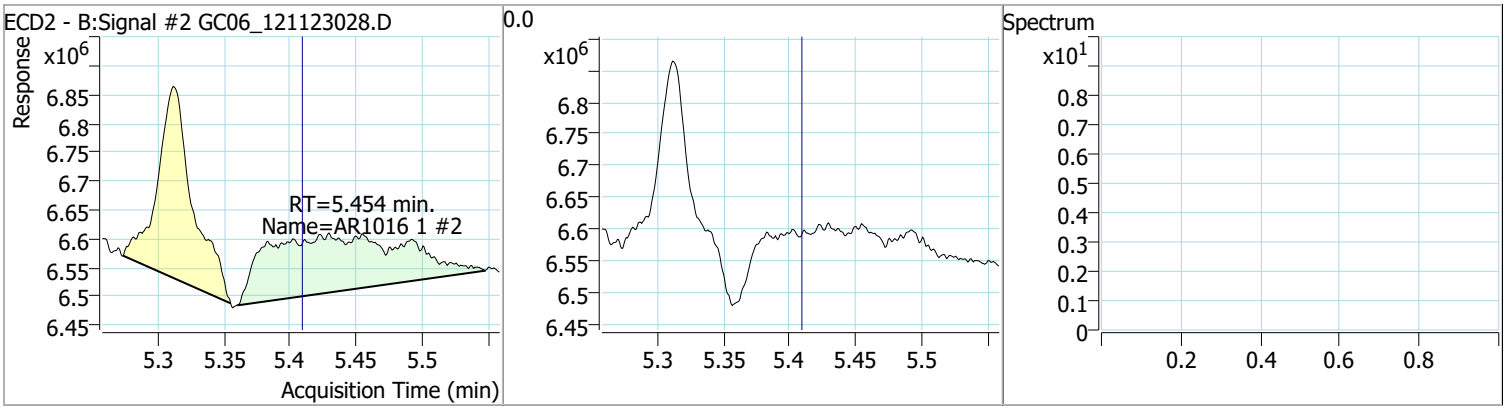

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 114.7740 | 4.99 | 0.03 | 459124 | | | | |



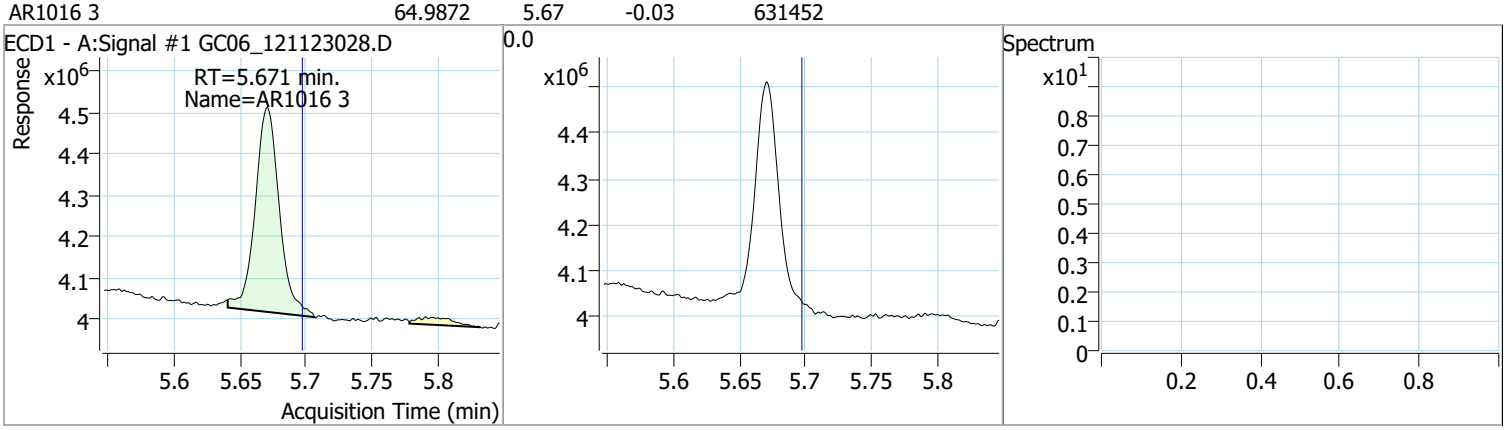

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 42.0855 | 5.25 | -0.02 | 337900 | | | | |



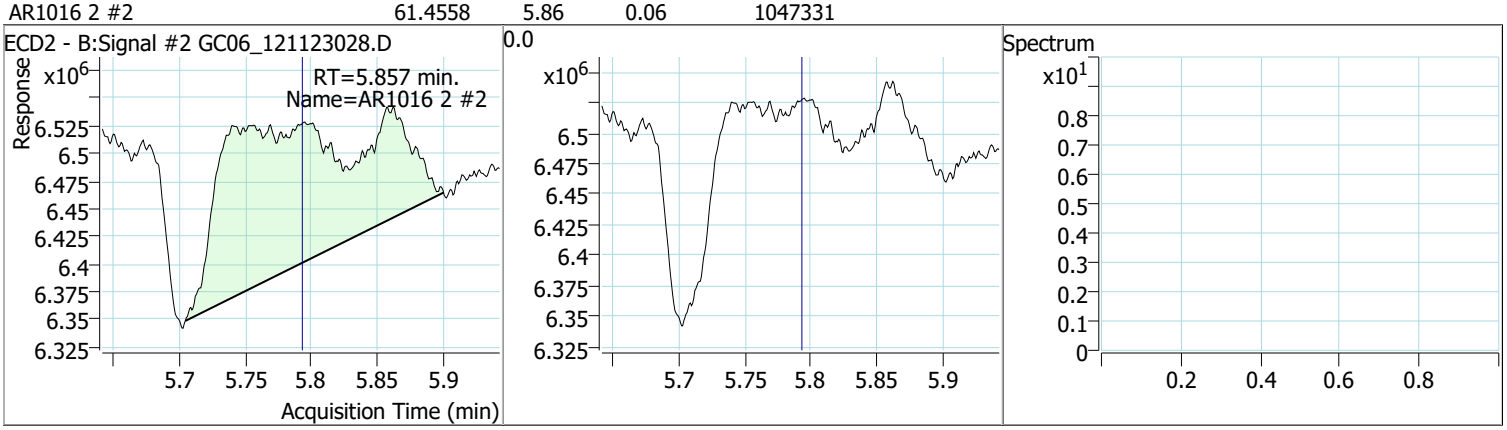
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 88.5671 | 5.45 | 0.05 | 723250 | | | | |



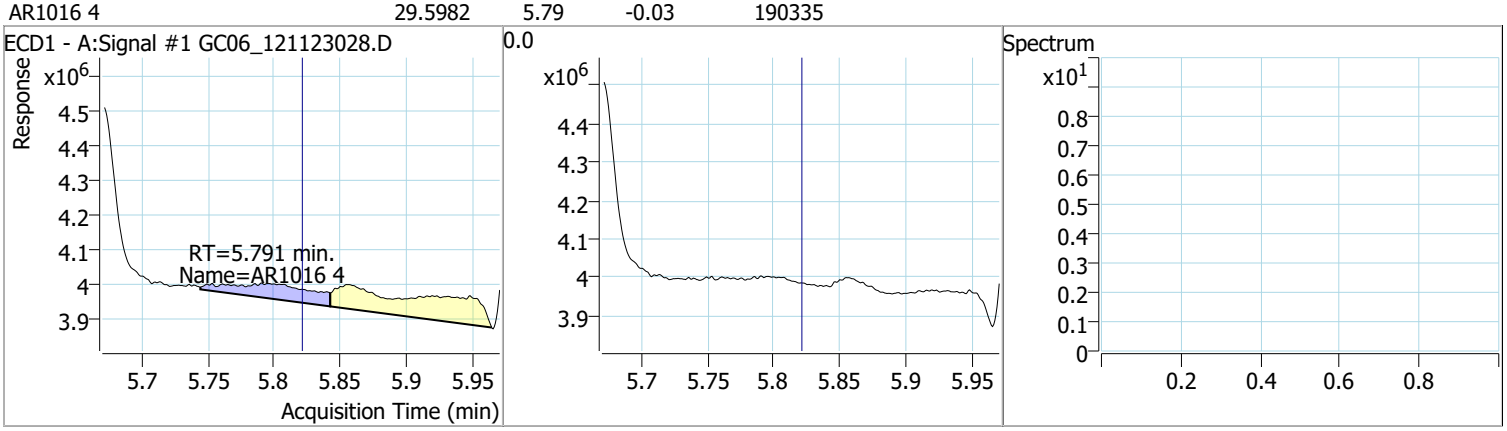

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 64.9872 | 5.67 | -0.03 | 631452 | | | | |



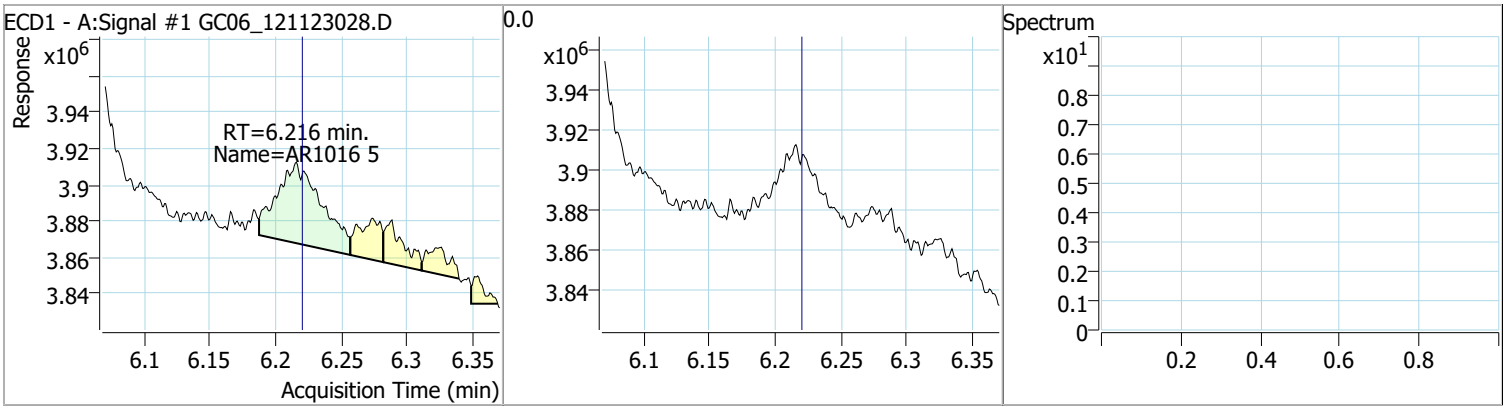

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 61.4558 | 5.86 | 0.06 | 1047331 | | | | |



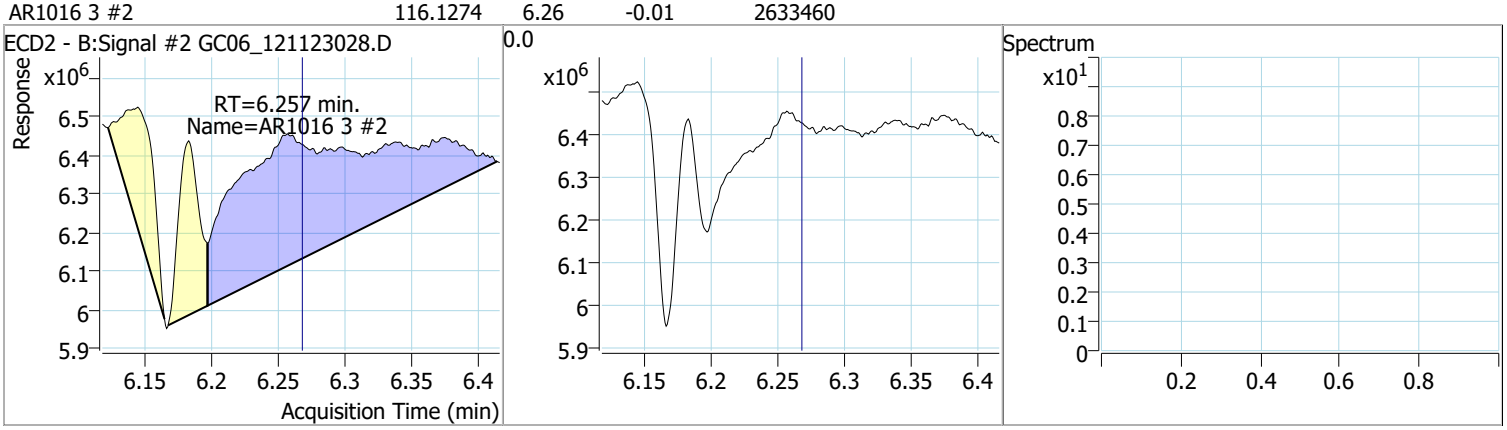

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 29.5982 | 5.79 | -0.03 | 190335 | | | | |



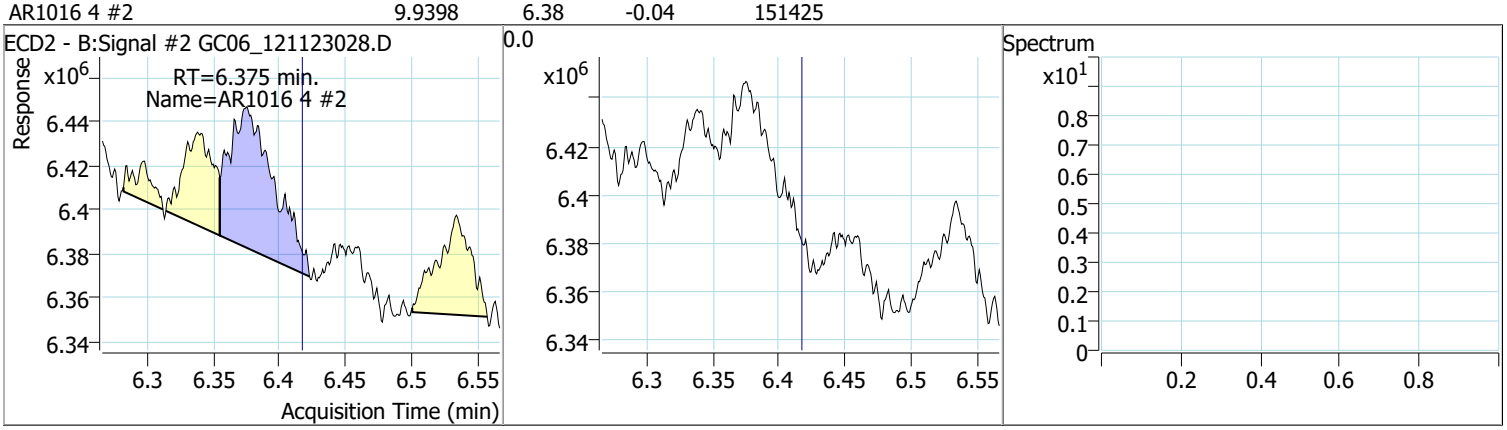
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 18.2889 | 6.22 | -0.01 | 105833 | | | | |



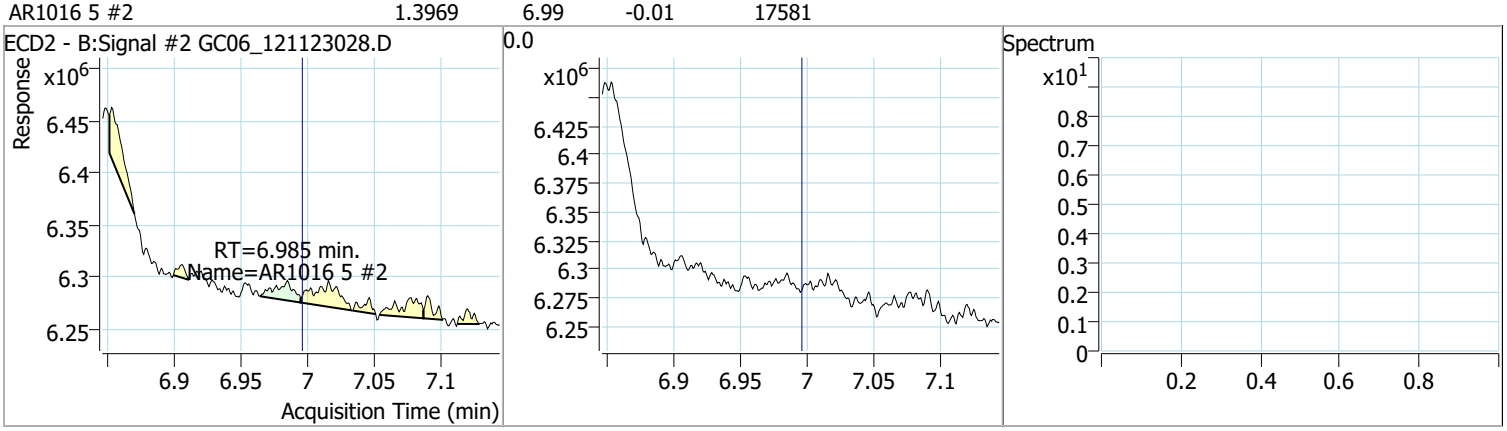

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 116.1274 | 6.26 | -0.01 | 2633460 | | | | |



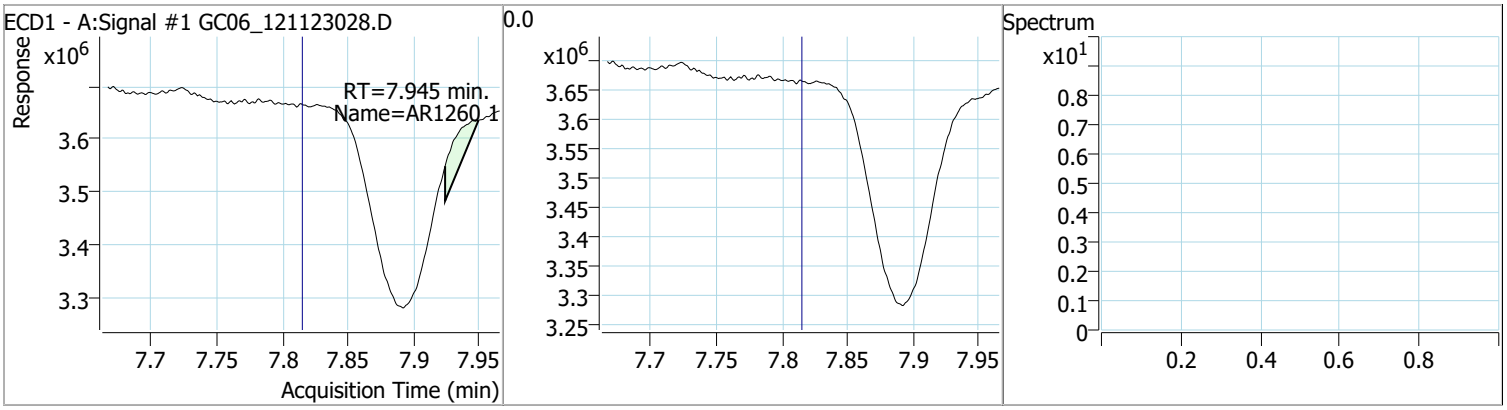

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 9.9398 | 6.38 | -0.04 | 151425 | | | | |



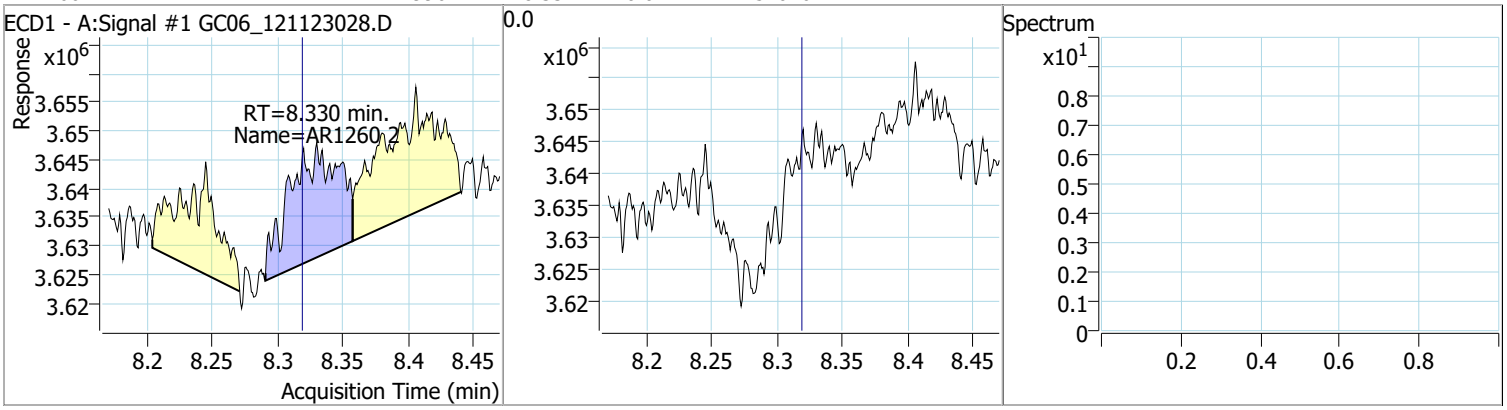

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.3969 | 6.99 | -0.01 | 17581 | | | | |



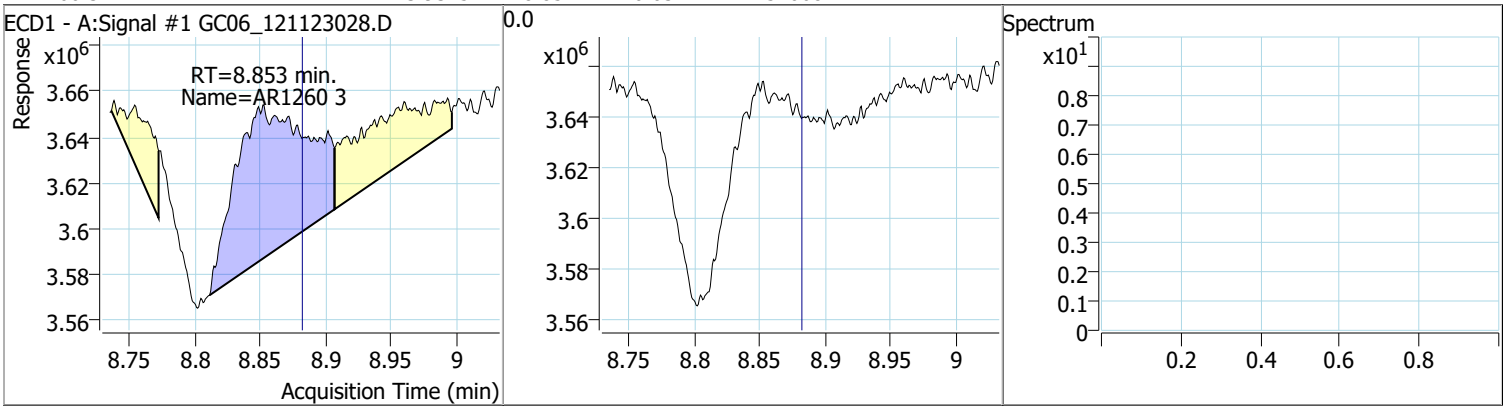
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 7.0855 | 7.95 | 0.13 | 78955 | | | | |



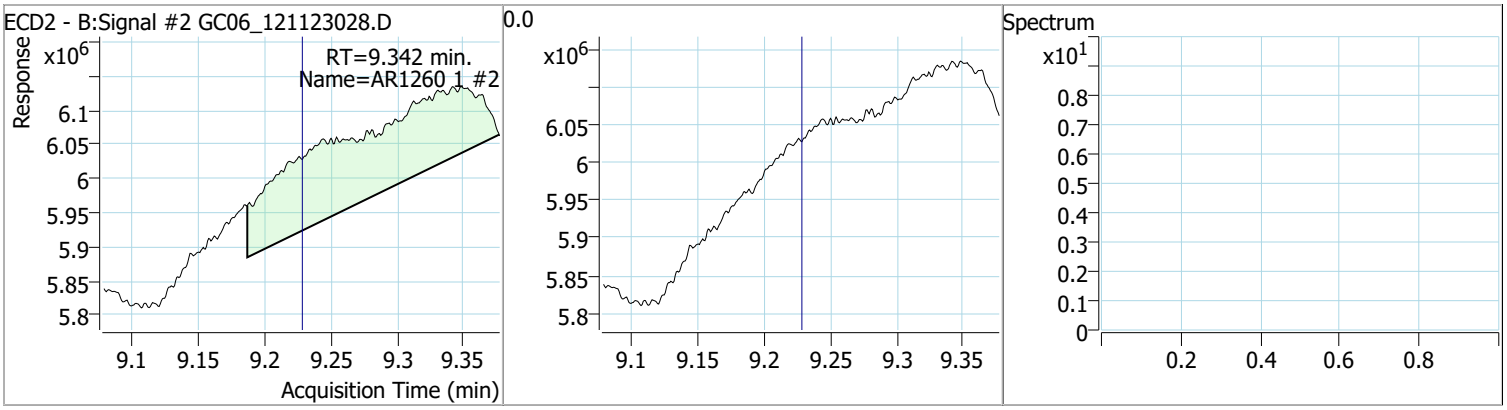

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.9962 | 8.33 | 0.01 | 52026 | | | | |



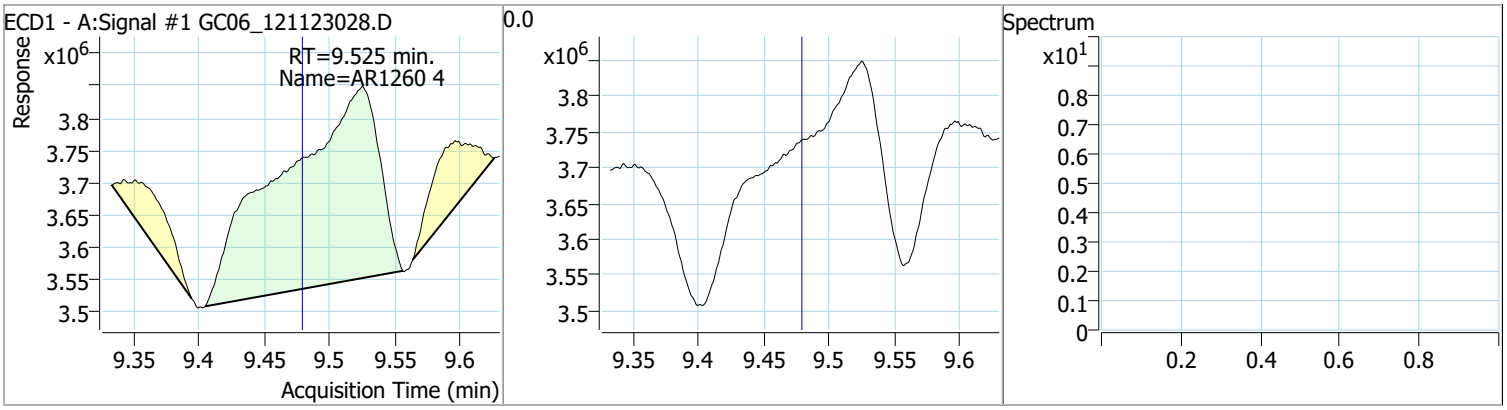

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 13.9345 | 8.85 | -0.03 | 254068 | | | | |



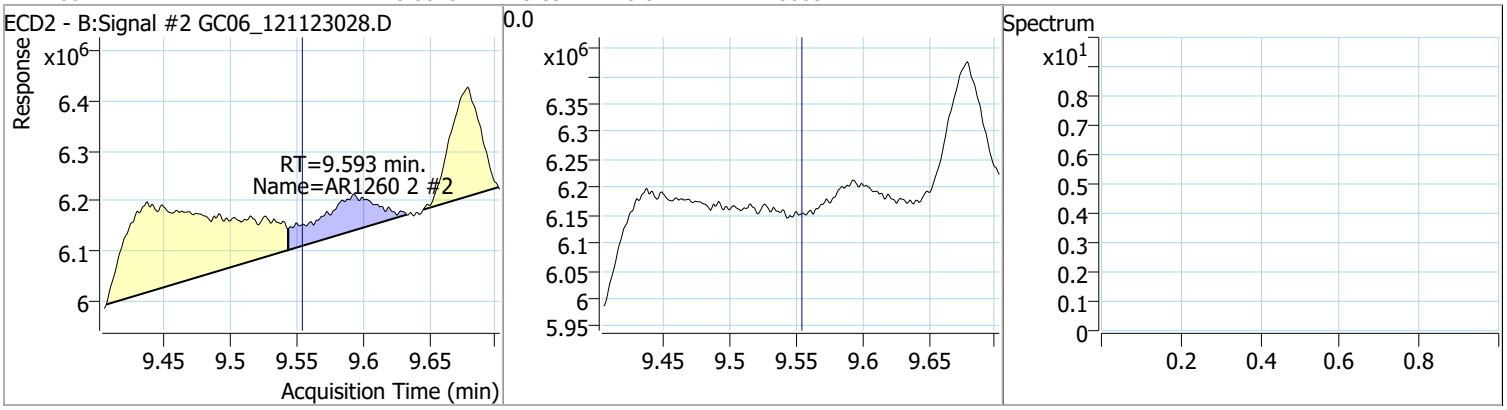

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 45.8219 | 9.34 | 0.11 | 1071347 | | | | |



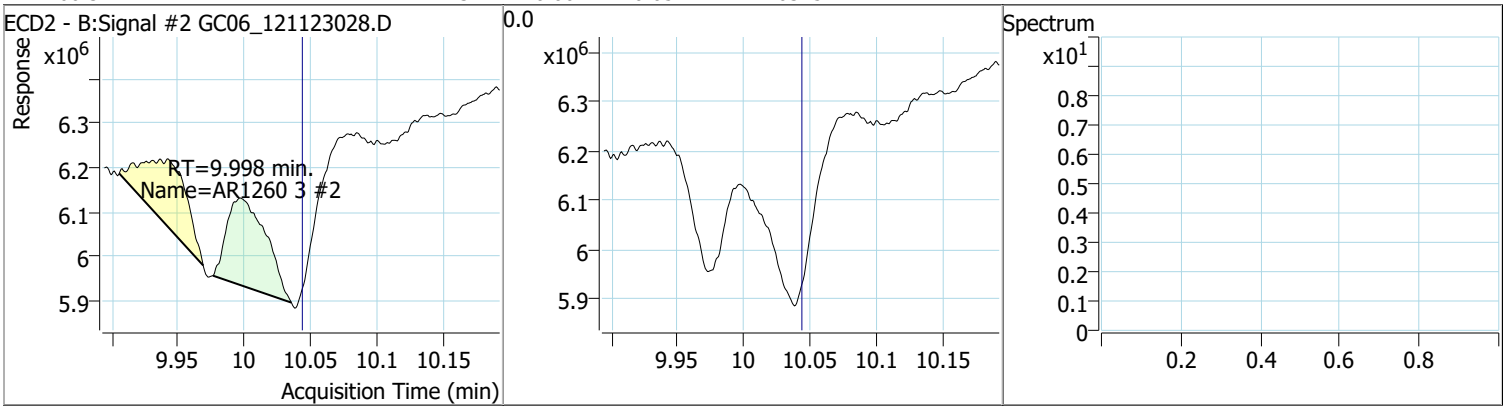
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 163.6070 | 9.53 | 0.04 | 1568070 | | | | |



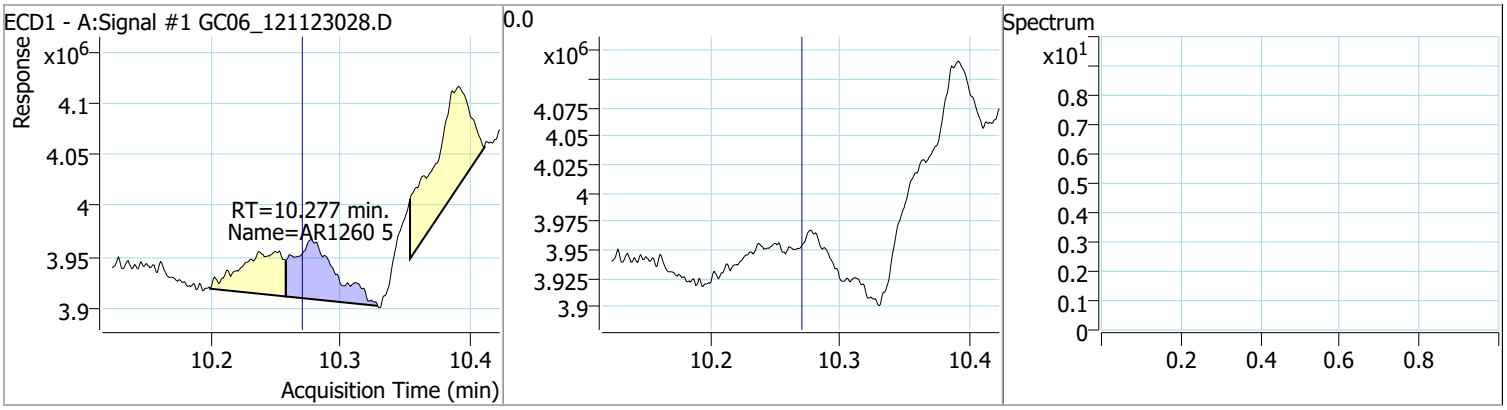

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 8.0828 | 9.59 | 0.04 | 228005 | | | | |



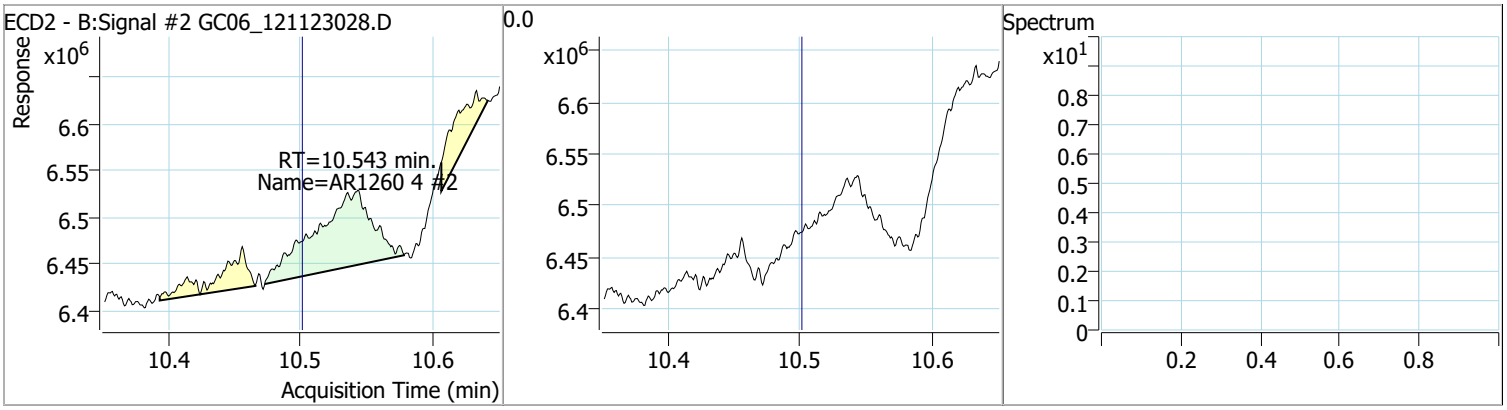

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 11.4123 | 10.00 | -0.05 | 410375 | | | | |



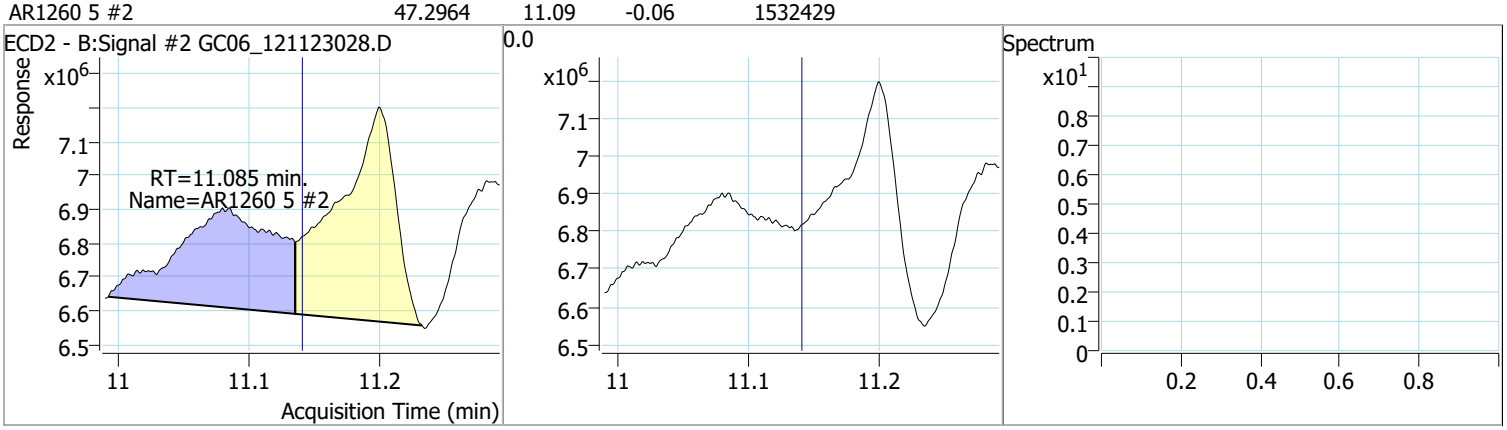

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 10.5730 | 10.28 | 0.00 | 129308 | | | | |



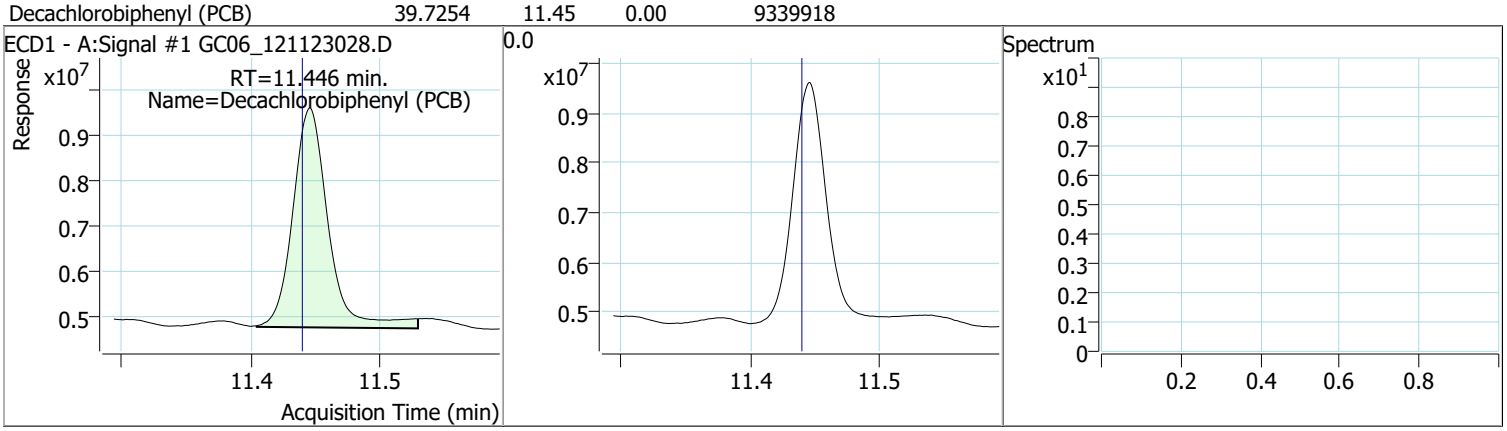
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 11.3378 | 10.54 | 0.04 | 247864 | | | | |



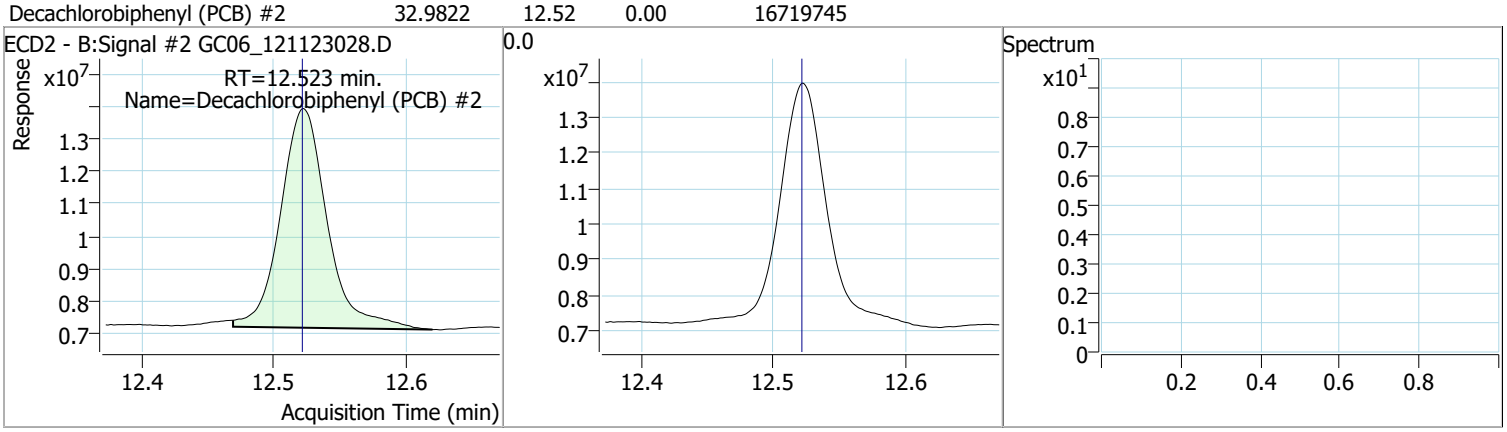

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 47.2964 | 11.09 | -0.06 | 1532429 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 39.7254 | 11.45 | 0.00 | 9339918 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 32.9822 | 12.52 | 0.00 | 16719745 | | | | |



**QC Raw Data**

ENTHALPY BLANK USER REPORT FOR 497480 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | Lab ID: | QC1112575 | | |
| Seqnum: | 453497606014.1 | Matrix: | Wipe | | |
| File: | gc06_121123014 | Batch: | 328150 | Time: | 11-DEC-2023 17:10 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |
| IDF: | 1.0 | Raw Units: | ug/L | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Result | Conf | RPD | RL | Flags |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 29.47 | ND | 0.086 | 110% | 0.50 | u |
| Aroclor-1016 Peak # 1 | B | 23.59 | 0.24 | 0.17 | 33% | | |
| Aroclor-1016 Peak # 2 | B | 17.99 | 0.18 | 0.19 | 7% | | |
| Aroclor-1016 Peak # 3 | B | 101.2 | 1.01 | 0.02 | 193% | | |
| Aroclor-1016 Peak # 4 | B | 2.505 | 0.03 | 0.04 | 44% | | |
| Aroclor-1016 Peak # 5 | B | 2.095 | 0.02 | 0.01 | 75% | | |
| **Aroclor-1221** | B | | ND | | | 0.50 | u |
| **Aroclor-1232** | B | | ND | | | 0.50 | u |
| **Aroclor-1242** | B | | ND | | | 0.50 | u |
| **Aroclor-1248** | B | | ND | | | 0.50 | u |
| **Aroclor-1254** | B | | ND | | | 0.50 | u |
| **Aroclor-1260** | B | 9.810 | ND | 0.39 | 120% | 0.50 | u |
| Aroclor-1260 Peak # 1 | B | 0.3158 | 0.00 | 1.14 | 199% | | |
| Aroclor-1260 Peak # 2 | B | 19.62 | 0.20 | 0.01 | 188% | | |
| Aroclor-1260 Peak # 3 | B | 18.35 | 0.18 | 0.02 | 153% | | |
| Aroclor-1260 Peak # 4 | B | 1.057 | 0.01 | 0.67 | 194% | | |
| Aroclor-1260 Peak # 5 | B | 9.702 | 0.10 | 0.11 | 9% | | |
| **Aroclor-1262** | B | | ND | | | 0.50 | u |
| **Aroclor-1268** | B | | ND | | | 0.50 | u |

| Surrogate | Ch | Raw | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 26.03 | 0.5000 | 0.2603 | 52 | 19-121 | u |
| **Decachlorobiphenyl (PCB)** | B | 26.80 | 0.5000 | 0.2680 | 54 | 19-121 | c- u |

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

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | BLANK Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 10279384 | 13.44 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4797019 | 21.43 |

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

| ISTD (CCV gc06_121123004) | Ch | CCV RT | BLANK RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.88 | 0.01 |

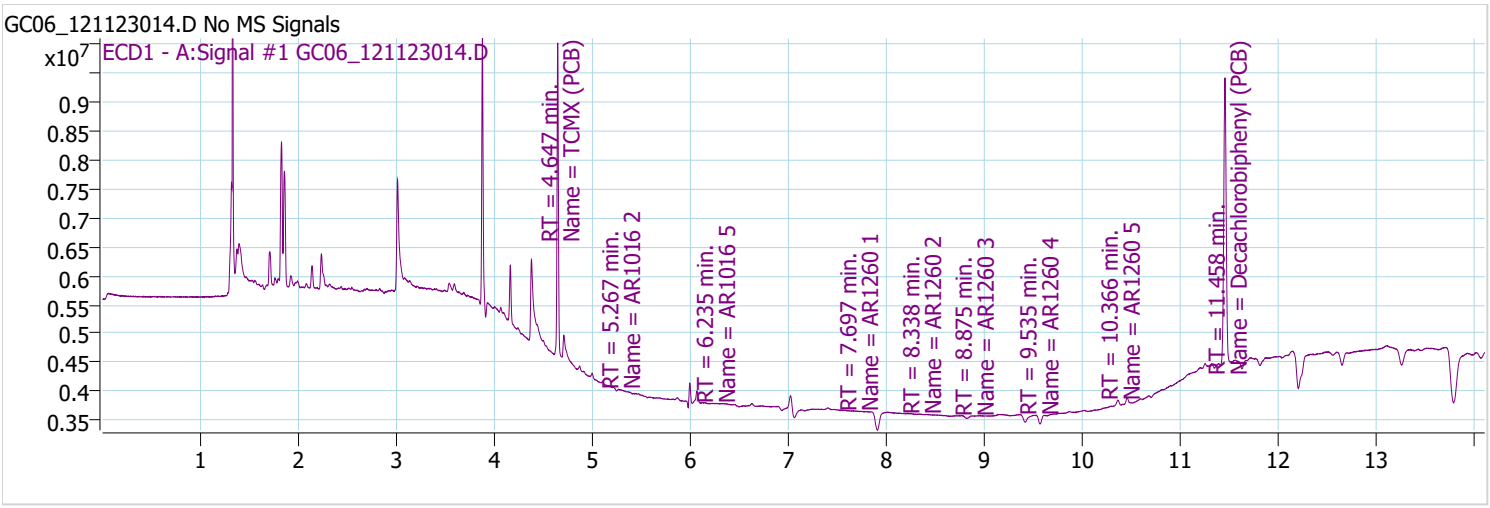
12/12/23 : WIPE/1DM^2-10ML [general version]

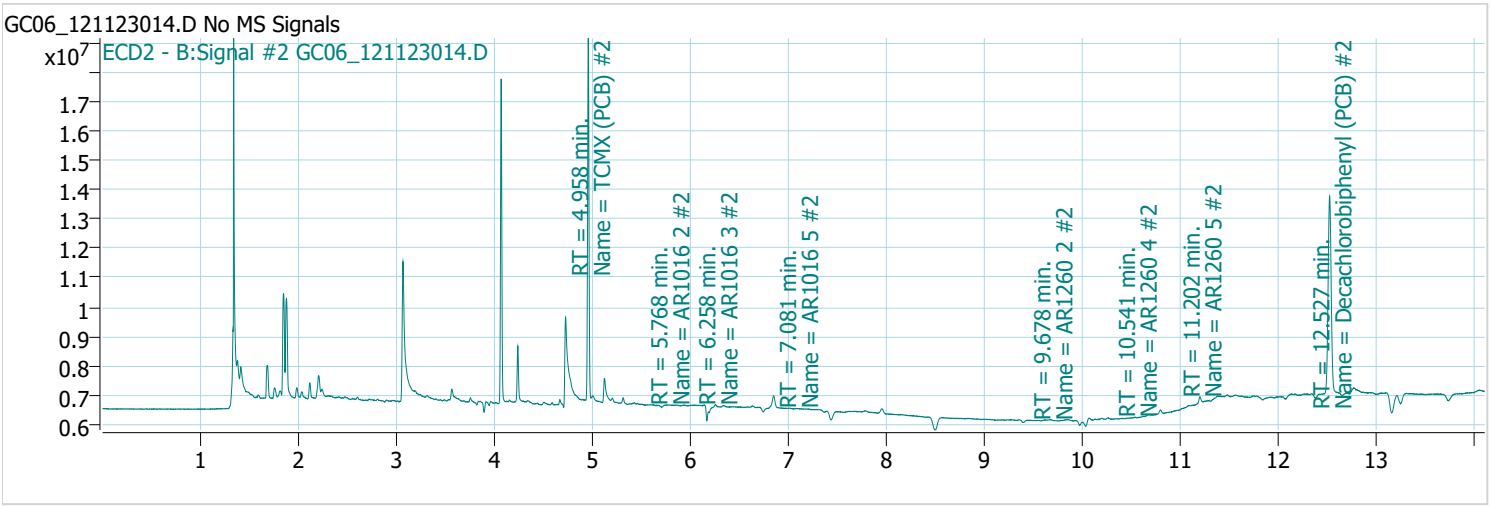
*-=low bias c=CCV u=use*

**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123014.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 5:10:52 PM |
| Sample Name | QC1112575, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 1 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



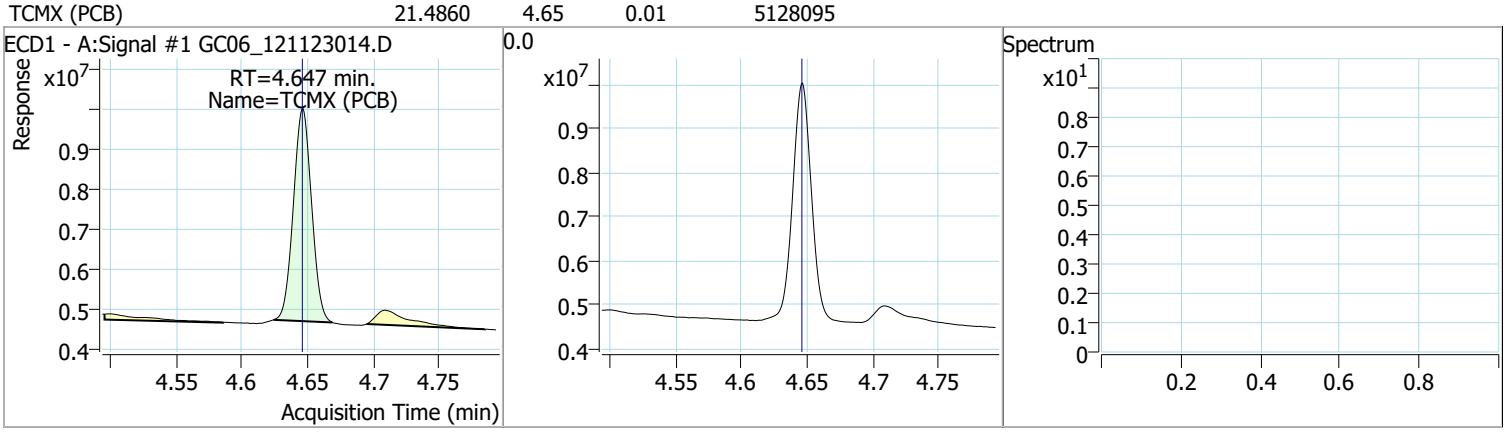




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.878 | 0.0 | 4797018.550 | 20.0000 | ng/ml | 0.005 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.069 | 0.0 | 10279383.883 | 20.0000 | ng/ml | -0.001 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.647 | 0.0 | 5128095.050 | 21.4860 | ng/ml | 0.008 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 107.43% | | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 12579668.667 | 26.0342 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 130.17% | | |
| S Decachlorobiphenyl (PCB) | 11.458 | 0.0 | 8809068.992 | 28.7871 | ng/ml | 0.012 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 143.94% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.527 | 0.0 | 15814150.302 | 26.8008 | ng/ml | 0.003 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 134.00% | | |
| **Target Compounds** | | | | | | QValue |

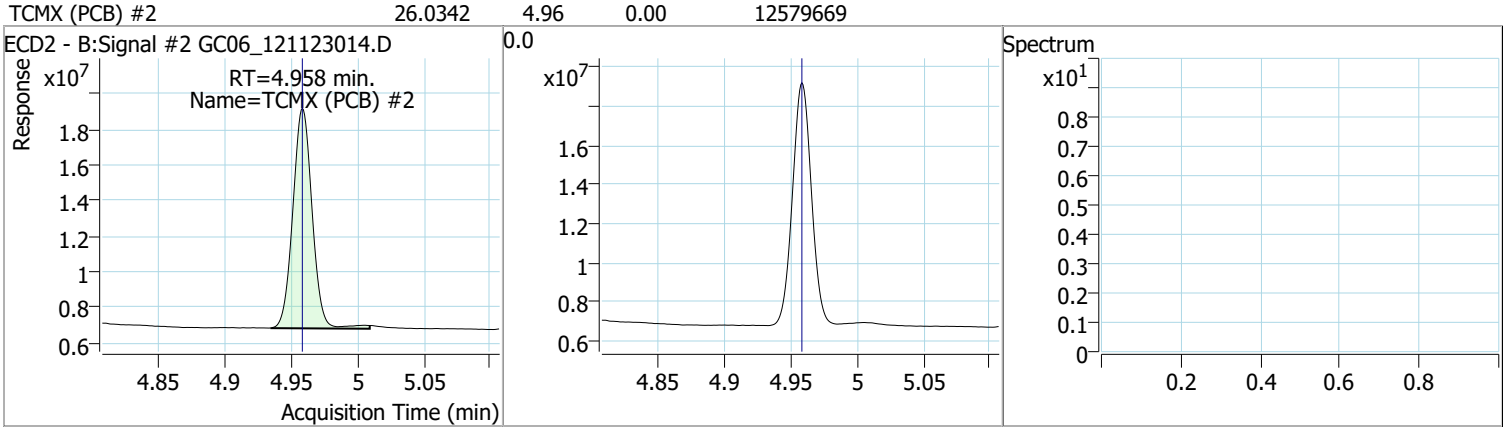
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.998 | 0.0 | 88487.252 | 16.9956 | ng/ml | 100 |
| T AR1016 2 | 5.267 | 0.0 | 201433.713 | 19.2761 | ng/ml | 100 |
| T AR1016 1 #2 | 5.431 | 0.0 | 224264.174 | 23.5937 | ng/ml | 100 |
| T AR1016 3 | 5.686 | 0.0 | 23529.649 | 1.8606 | ng/ml | 100 |
| T AR1016 2 #2 | 5.768 | 0.0 | 356952.615 | 17.9946 | ng/ml | 100 |
| T AR1016 4 | 5.822 | 0.0 | 32924.881 | 3.9338 | ng/ml | 100 |
| T AR1016 5 | 6.235 | 0.0 | 7204.932 | 0.9566 | ng/ml | 100 |
| T AR1016 3 #2 | 6.258 | 0.0 | 2670185.136 | 101.1585 | ng/ml | 100 |
| T AR1016 4 #2 | 6.448 | 0.0 | 44416.729 | 2.5048 | ng/ml | 100 |
| T AR1016 5 #2 | 7.081 | 0.0 | 30684.056 | 2.0945 | ng/ml | 100 |
| T AR1260 1 | 7.697 | 0.0 | 1656293.481 | 114.2016 | ng/ml | 100 |
| T AR1260 2 | 8.338 | 0.0 | 13550.351 | 0.5996 | ng/ml | 100 |
| T AR1260 3 | 8.875 | 0.0 | 58108.840 | 2.4487 | ng/ml | 100 |
| T AR1260 1 #2 | 9.207 | 0.0 | 8594.052 | 0.3158 | ng/ml | 100 |
| T AR1260 4 | 9.535 | 0.0 | 841104.675 | 67.4264 | ng/ml | 100 |
| T AR1260 2 #2 | 9.678 | 0.0 | 644164.841 | 19.6185 | ng/ml | 100 |
| T AR1260 3 #2 | 10.069 | 0.0 | 768276.046 | 18.3552 | ng/ml | 100 |
| T AR1260 5 | 10.366 | 0.0 | 168810.486 | 10.6051 | ng/ml | 100 |
| T AR1260 4 #2 | 10.541 | 0.0 | 26890.050 | 1.0567 | ng/ml | 100 |
| T AR1260 5 #2 | 11.202 | 0.0 | 365905.746 | 9.7022 | ng/ml | 100 |

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

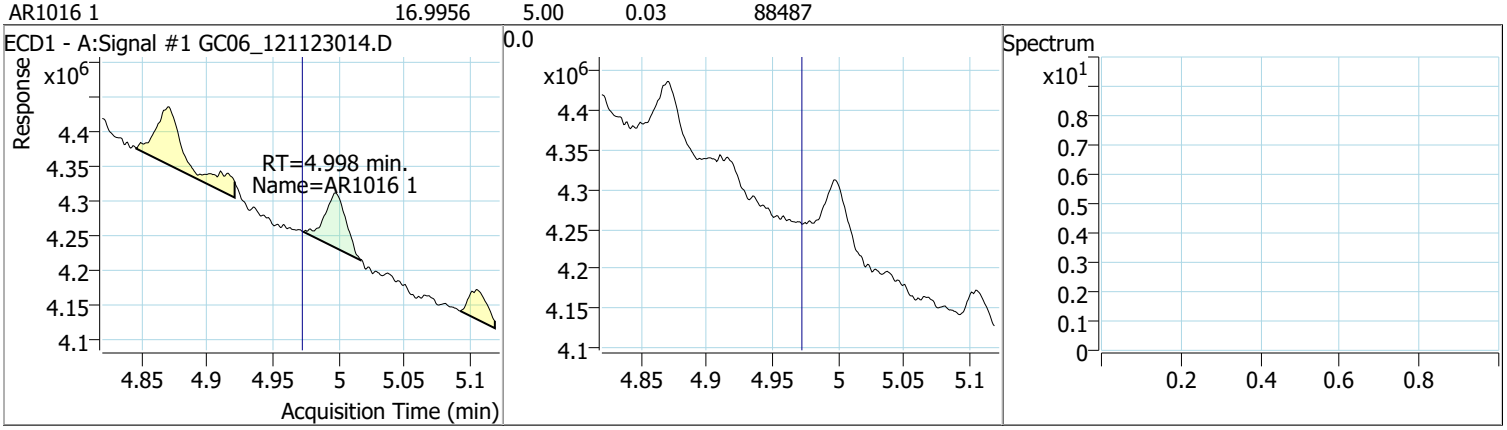
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 21.4860 | 4.65 | 0.01 | 5128095 | | | | |



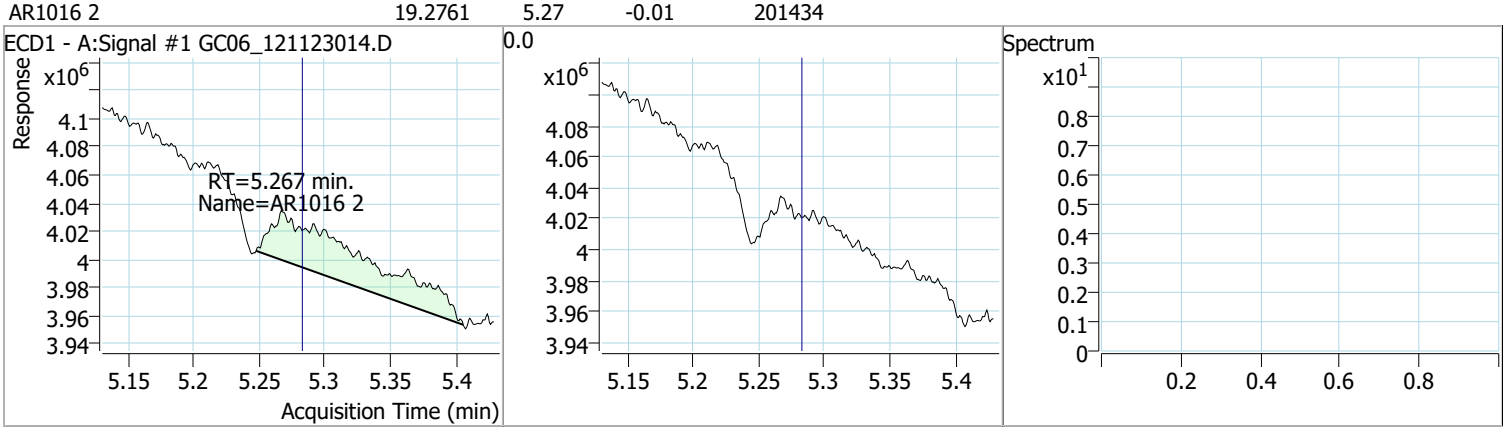

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 26.0342 | 4.96 | 0.00 | 12579669 | | | | |



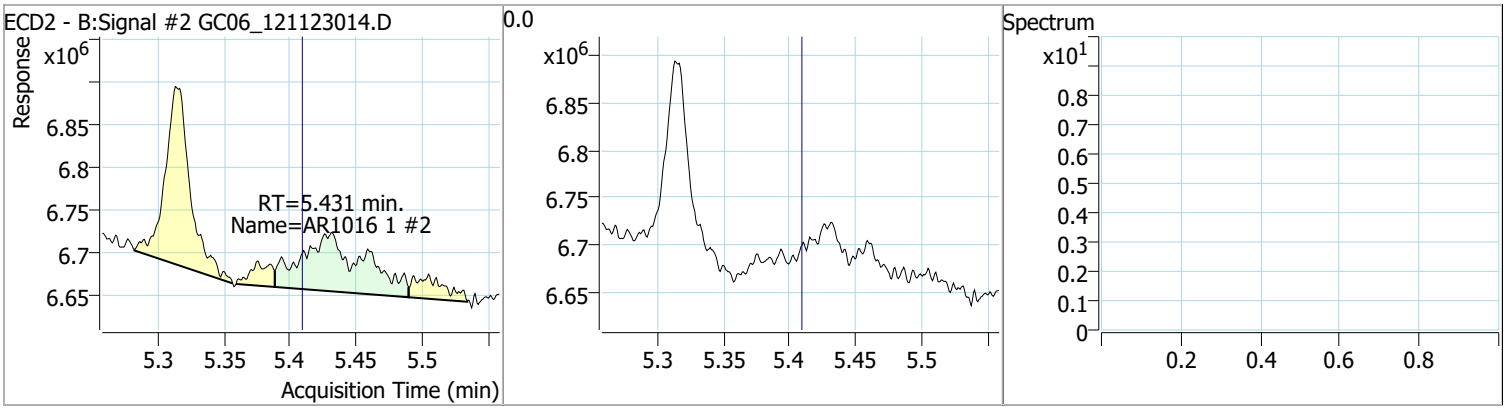

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 16.9956 | 5.00 | 0.03 | 88487 | | | | |



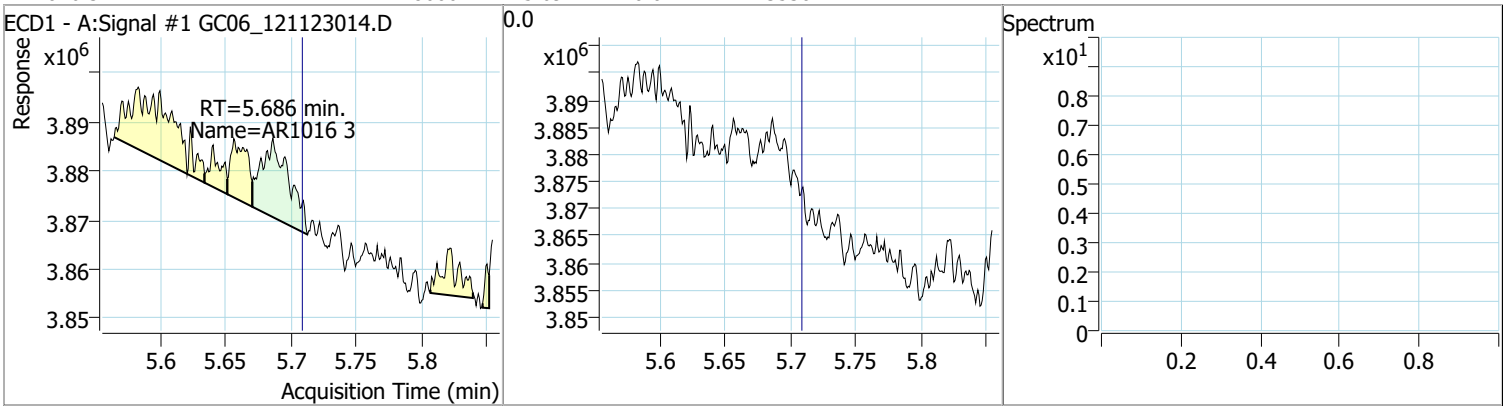

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 19.2761 | 5.27 | -0.01 | 201434 | | | | |



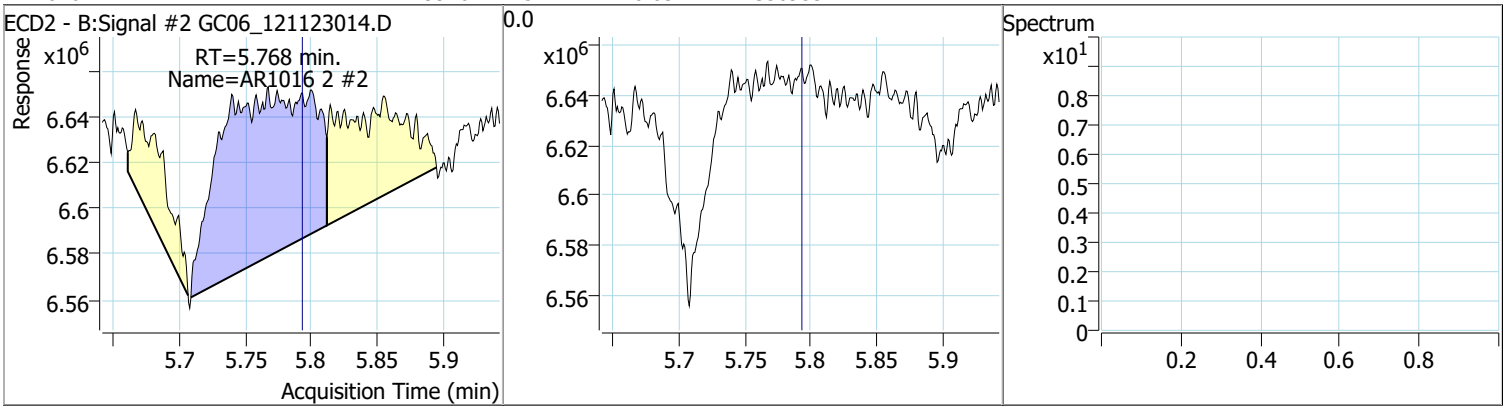
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 23.5937 | 5.43 | 0.02 | 224264 | | | | |



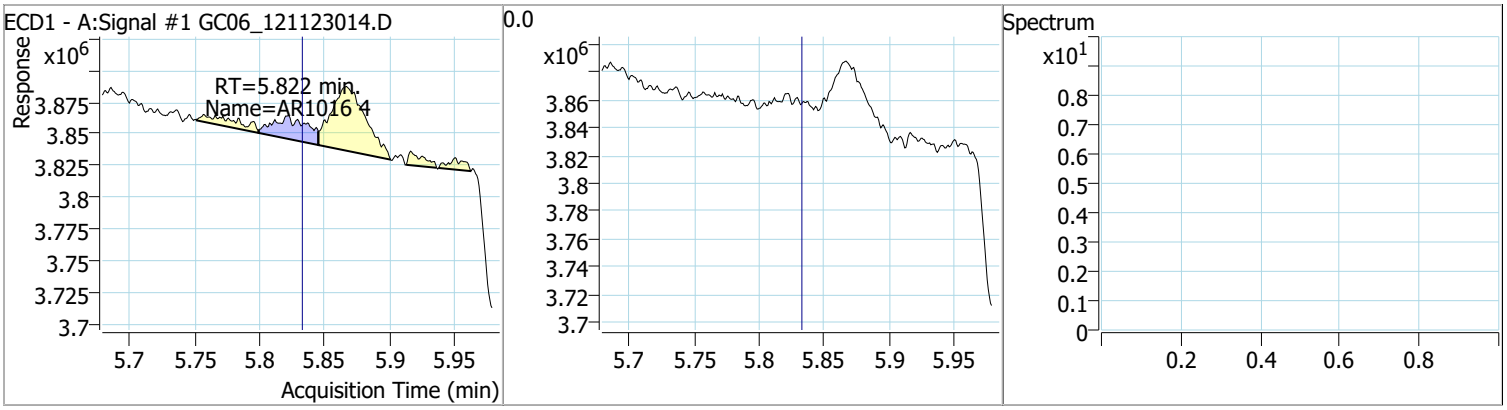

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 1.8606 | 5.69 | -0.01 | 23530 | | | | |



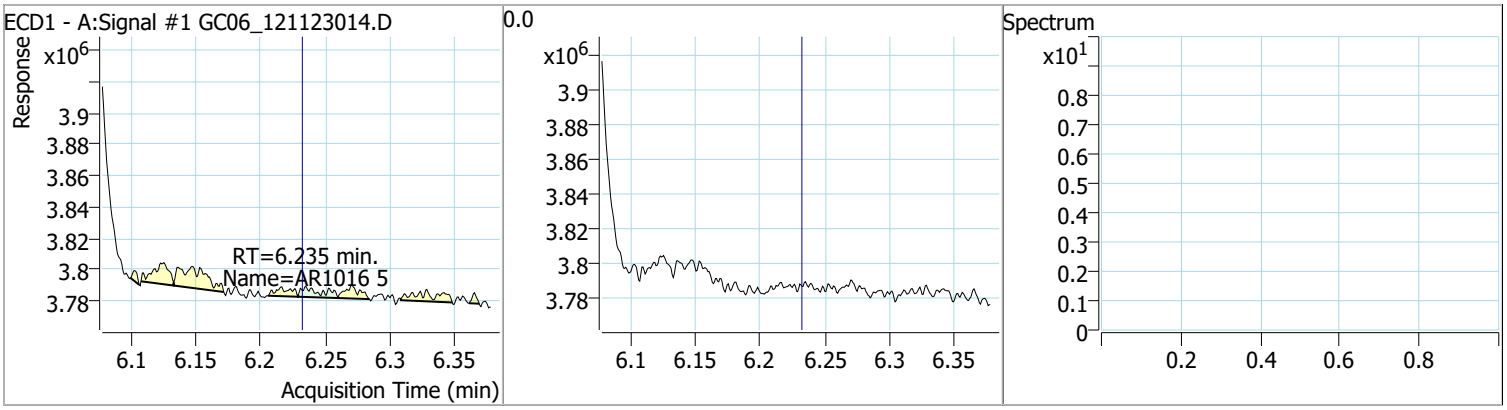

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 17.9946 | 5.77 | -0.03 | 356953 | | | | |



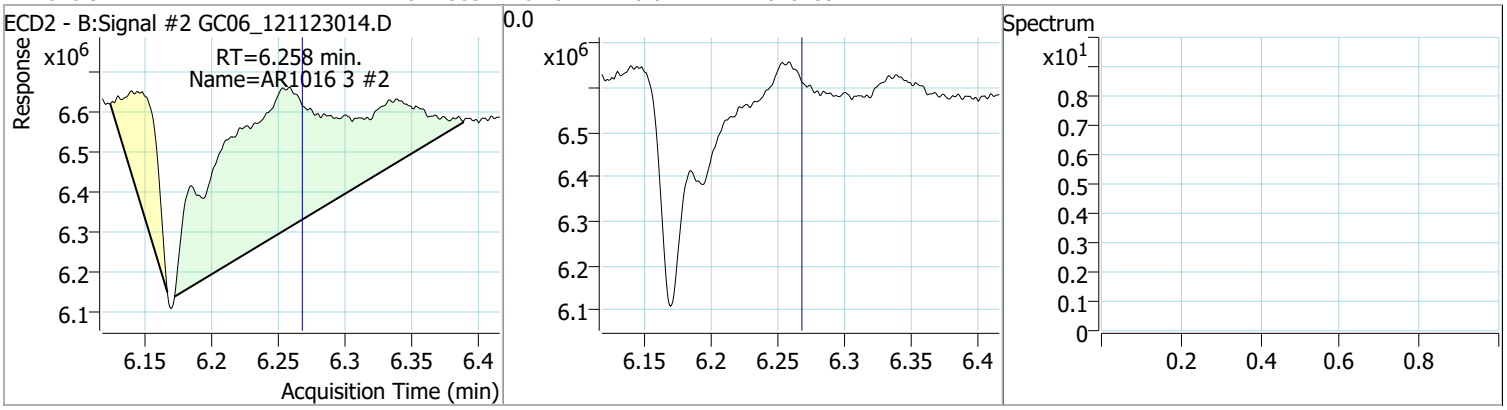

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 3.9338 | 5.82 | 0.00 | 32925 | | | | |



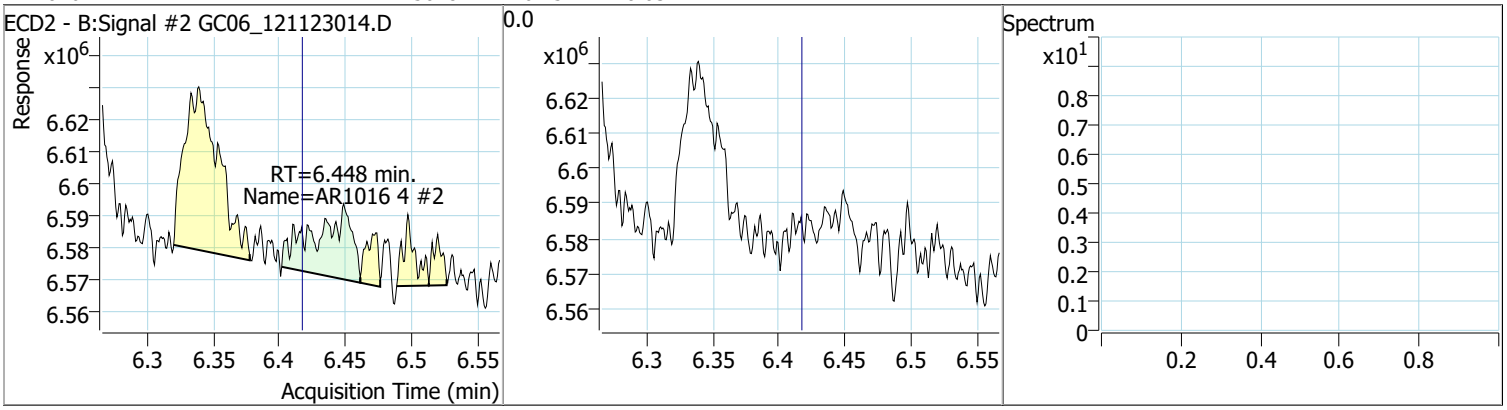
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 0.9566 | 6.24 | 0.01 | 7205 | | | | |



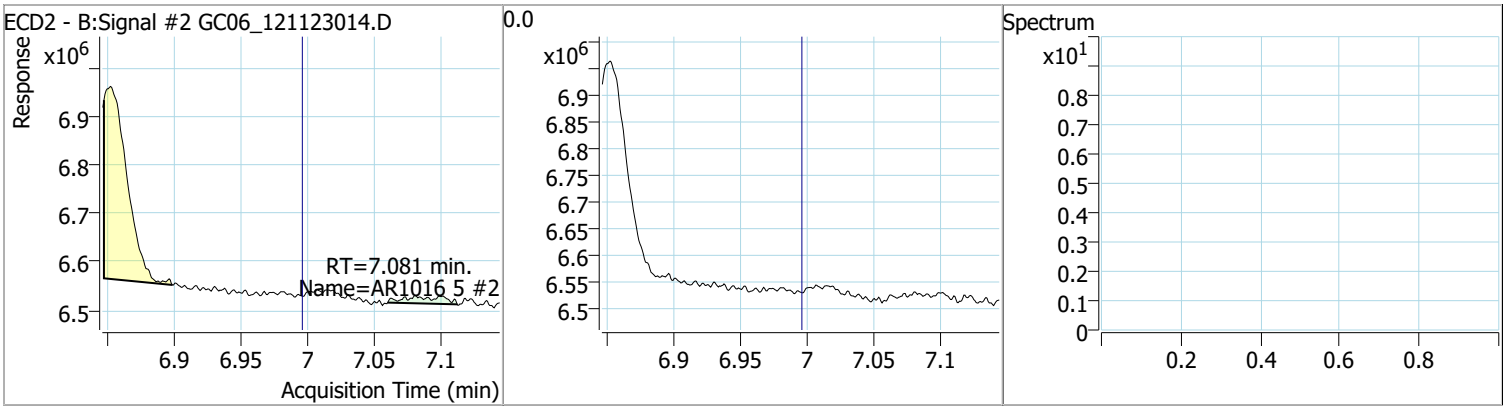

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 101.1585 | 6.26 | -0.01 | 2670185 | | | | |



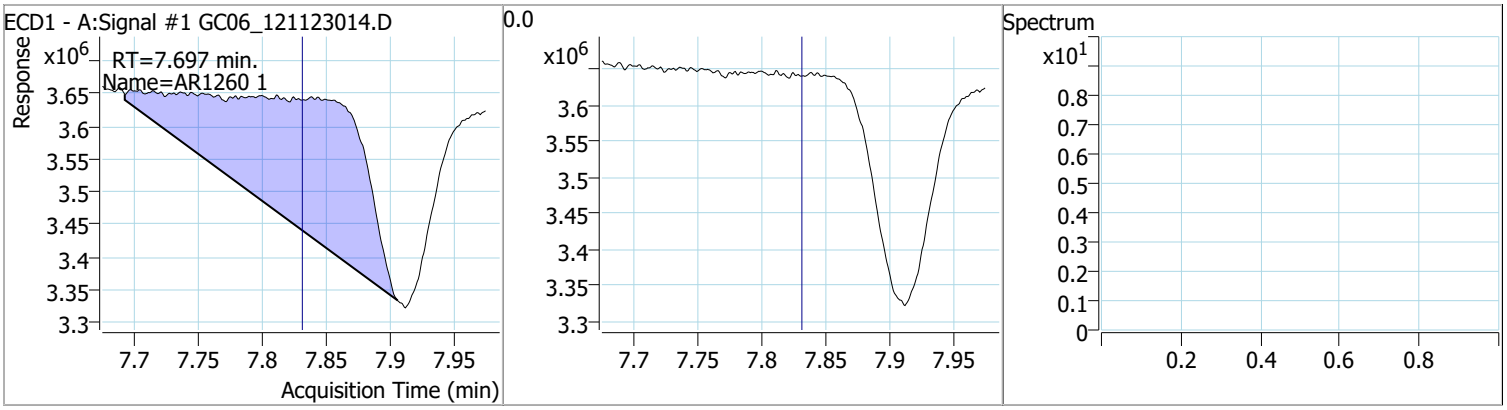

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 2.5048 | 6.45 | 0.03 | 44417 | | | | |



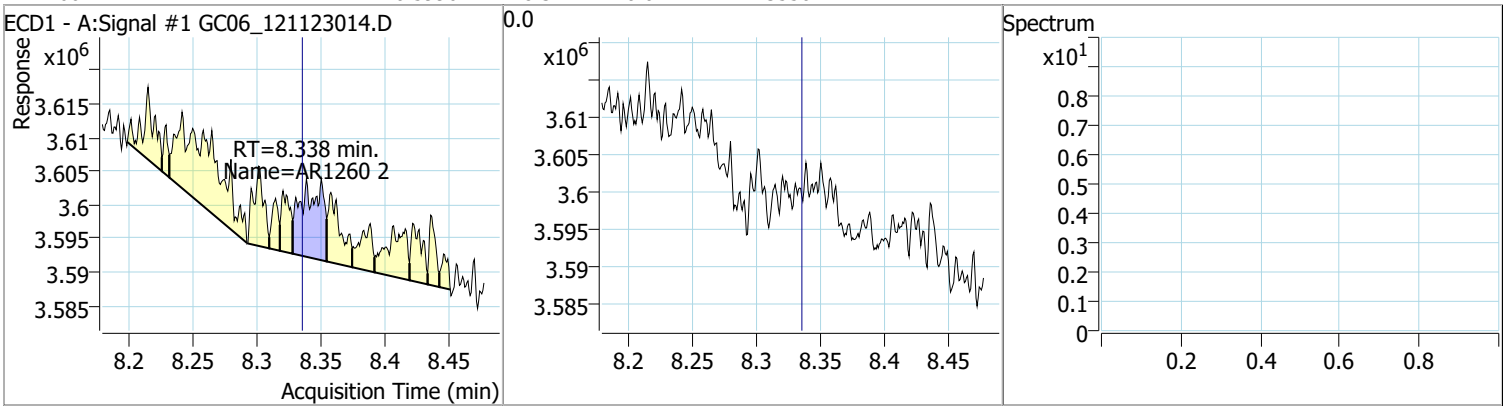

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 2.0945 | 7.08 | 0.08 | 30684 | | | | |



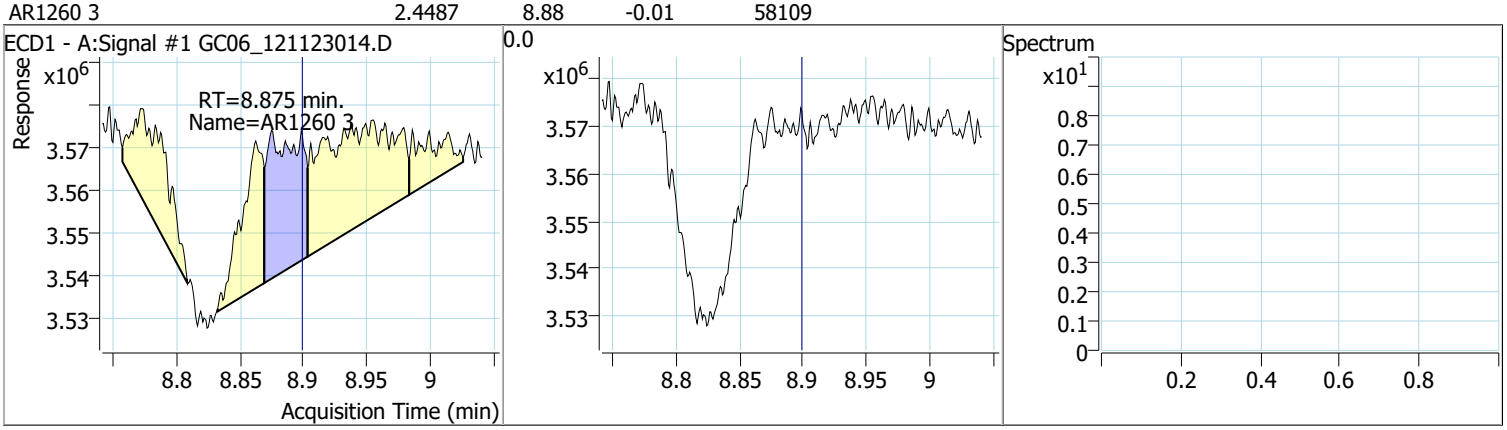
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 114.2016 | 7.70 | -0.12 | 1656293 | | | | |



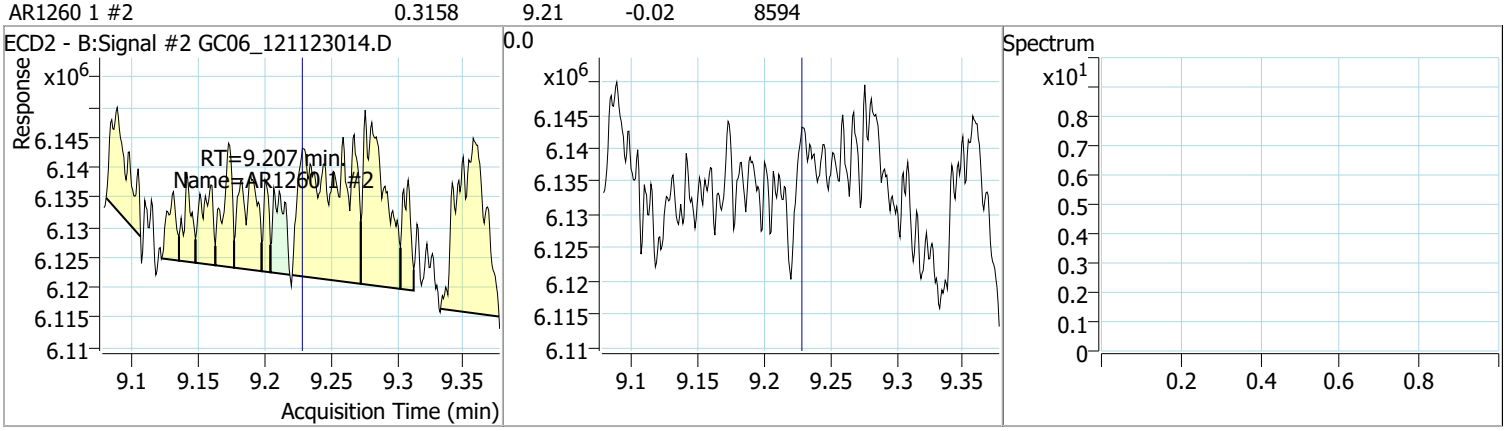

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 0.5996 | 8.34 | 0.02 | 13550 | | | | |



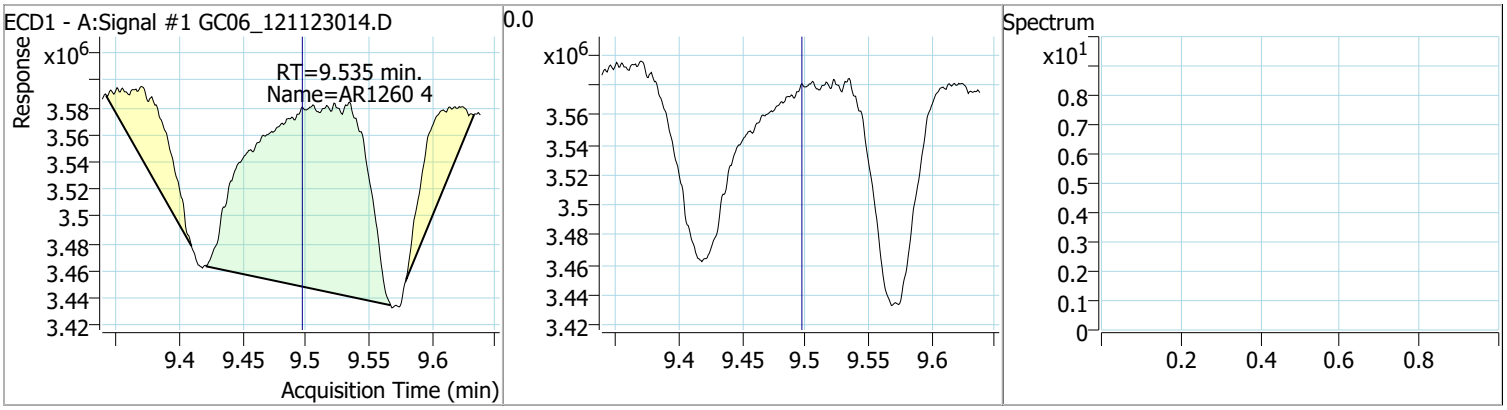

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 2.4487 | 8.88 | -0.01 | 58109 | | | | |



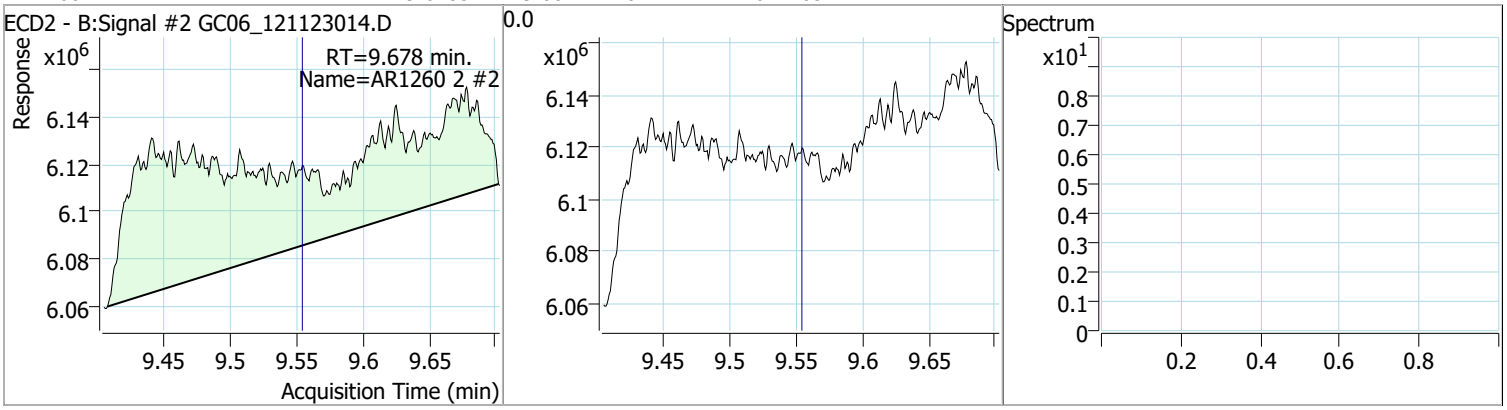

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 0.3158 | 9.21 | -0.02 | 8594 | | | | |



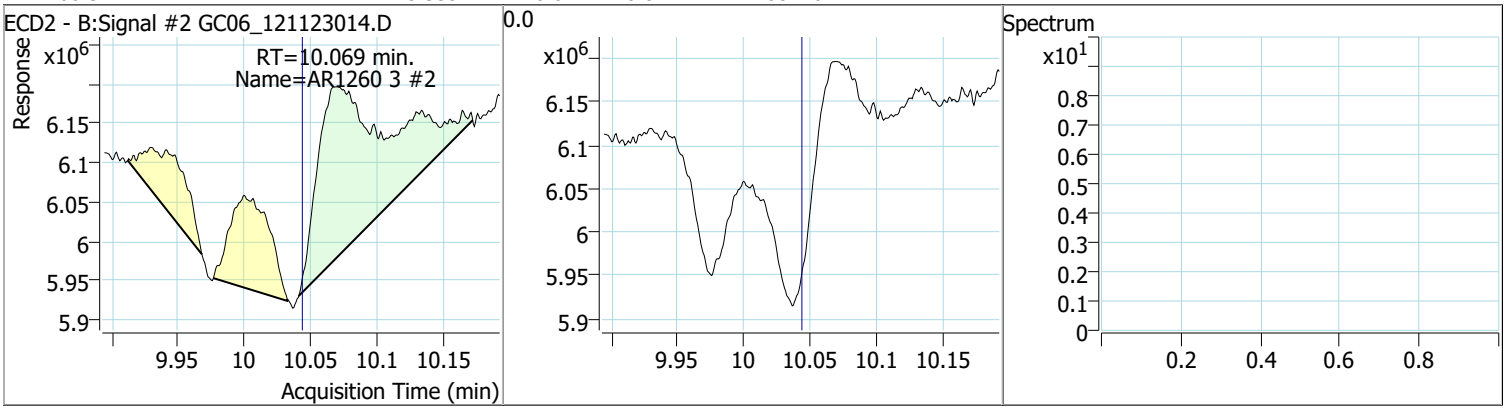
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 67.4264 | 9.54 | 0.05 | 841105 | | | | |



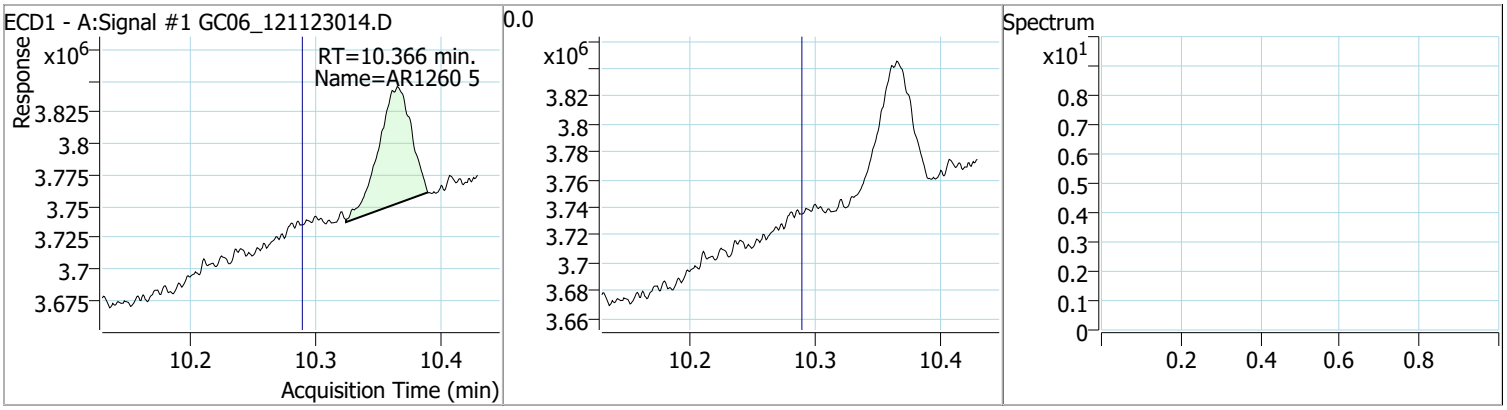

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 19.6185 | 9.68 | 0.12 | 644165 | | | | |



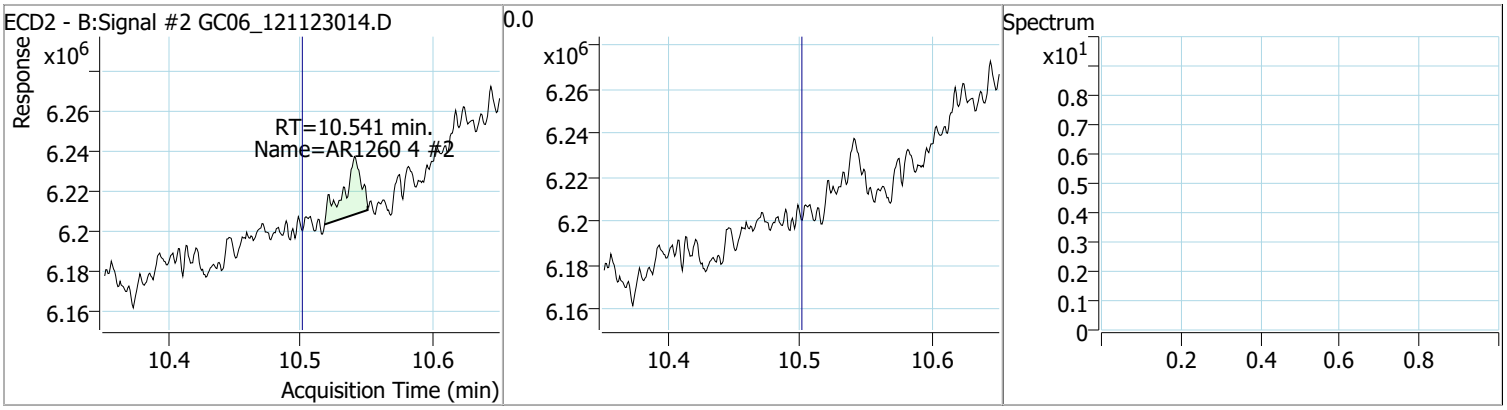

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 18.3552 | 10.07 | 0.02 | 768276 | | | | |



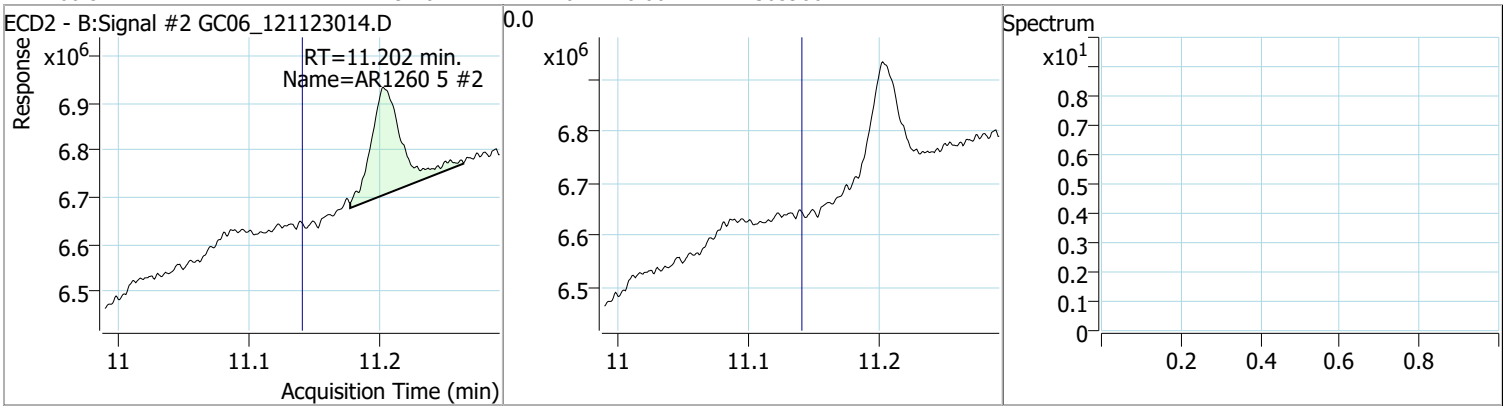

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 10.6051 | 10.37 | 0.09 | 168810 | | | | |



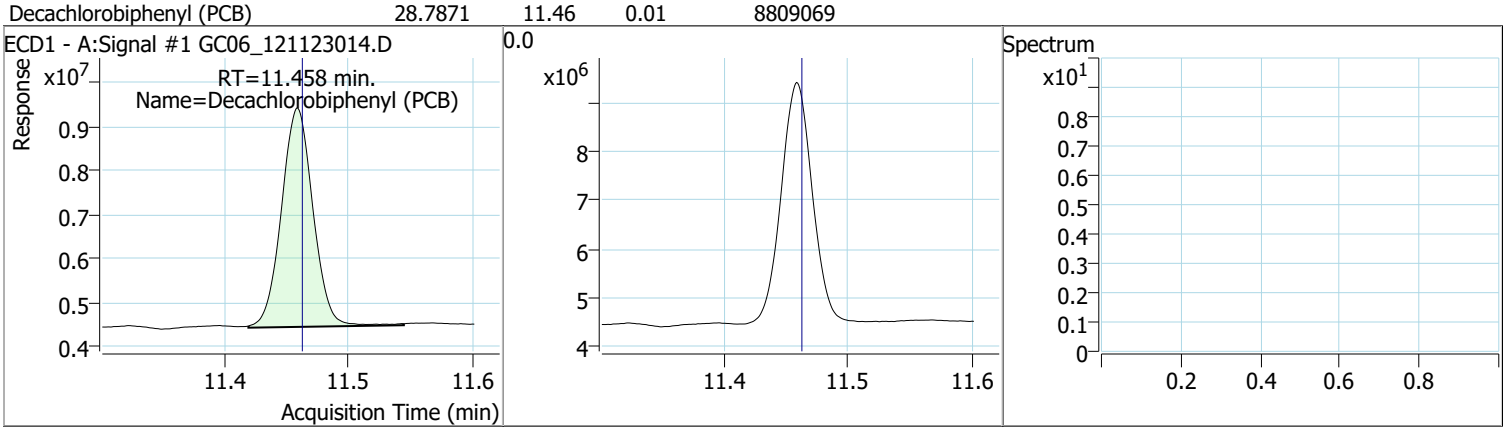
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 1.0567 | 10.54 | 0.04 | 26890 | | | | |



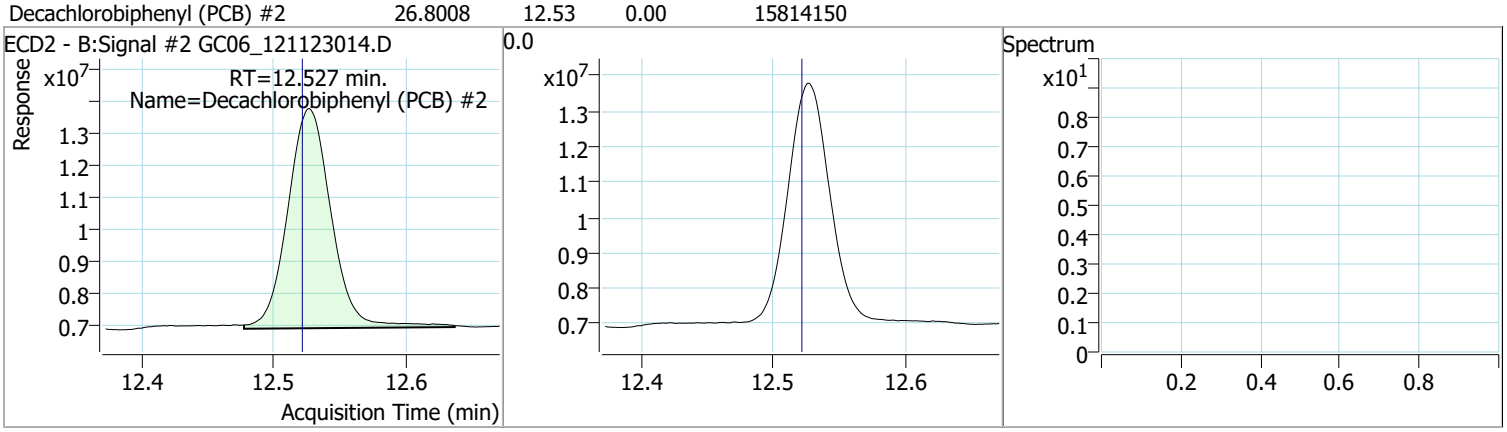

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 9.7022 | 11.20 | 0.06 | 365906 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 28.7871 | 11.46 | 0.01 | 8809069 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 26.8008 | 12.53 | 0.00 | 15814150 | | | | |



ENTHALPY SPIKE USER REPORT FOR 497480 PCBS Wipe

EPA 8082

| | | | |
|---|---|---|---|
| Type: | BS | Type: | BSD |
| Inst: | SVOA-GC06 | Inst: | SVOA-GC06 |
| Seqnum: | 453497606015.1 | Seqnum: | 453497606016.1 |
| File: | gc06_121123015 | File: | gc06_121123016 |
| IDF: | 1.0 | IDF: | 1.0 |
| Lab ID: | QC1112576 | Lab ID: | QC1112577 |
| Matrix: | Wipe | Matrix: | Wipe |
| Batch: | 328150 | Batch: | 328150 |
| Time: | 11-DEC-2023 17:29 | Time: | 11-DEC-2023 17:49 |
| Cal: | 453416704002 | Cal: | 453416704002 |
| Units: | ug/dm2 | | |

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | 5.000 | 373.4 | 3.734 | B | 75 | 401.2 | 4.012 | B | 80 | 60-140 | 7 | 20 | u |
| Aroclor-1016 Peak # 1 | | 394.6 | 3.946 | B | | 398.6 | 3.986 | B | | | | | |
| Aroclor-1016 Peak # 2 | | 381.1 | 3.811 | B | | 400.6 | 4.006 | B | | | | | |
| Aroclor-1016 Peak # 3 | | 363.8 | 3.638 | B | | 406.4 | 4.064 | B | | | | | |
| Aroclor-1016 Peak # 4 | | 367.8 | 3.678 | B | | 404.8 | 4.048 | B | | | | | |
| Aroclor-1016 Peak # 5 | | 359.9 | 3.599 | B | | 395.7 | 3.957 | B | | | | | |
| **Aroclor-1260** | 5.000 | 357.1 | 3.571 | B | 71 | 399.0 | 3.990 | B | 80 | 60-140 | 11 | 20 | u |
| Aroclor-1260 Peak # 1 | | 387.5 | 3.875 | B | | 433.8 | 4.338 | B | | | | | |
| Aroclor-1260 Peak # 2 | | 385.7 | 3.857 | B | | 428.8 | 4.288 | B | | | | | |
| Aroclor-1260 Peak # 3 | | 352.8 | 3.528 | B | | 400.6 | 4.006 | B | | | | | |
| Aroclor-1260 Peak # 4 | | 343.8 | 3.438 | B | | 381.7 | 3.817 | B | | | | | |
| Aroclor-1260 Peak # 5 | | 315.7 | 3.157 | B | | 350.0 | 3.500 | B | | | | | |
| Surrogates | | | | | | | | | | | | | |
| **TCMX (PCB)** | 0.5000 | 33.12 | 0.3312 | B | 66 | 33.42 | 0.3342 | B | 67 | 19-121 | | | u |
| **Decachlorobiphenyl (PCB)** | 0.5000 | 29.29 | 0.2929 | B | 59 | 32.25 | 0.3225 | B | 65 | 19-121 | | | c- u |

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | BS Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 11462254 | 26.49 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 4991329 | 26.34 |

| ISTD (CCV gc06_121123004) | Ch | CCV RT | BS RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

| ISTD (CCV gc06_121123004) | Ch | CCV Abund | BSD Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 9061871 | 8408009 | -7.22 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3950583 | 3987212 | 0.93 |

| ISTD (CCV gc06_121123004) | Ch | CCV RT | BSD RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4.07 | 4.07 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.87 | 3.87 | 0.00 |

12/12/23 : WIPE/1DM^2-10ML [general version]

TRN 12/12/23 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for Ch. B for spike. [general version]

TRN 12/12/23 [Aroclor-1260 Peak # 4 B]: Corrected baseline noise or negative peak for Ch. B for dup. [general version]

TRN 12/12/23 [Aroclor-1260 Peak # 1 A]: Corrected baseline noise or negative peak for Ch. A for spike & dup. [general version]

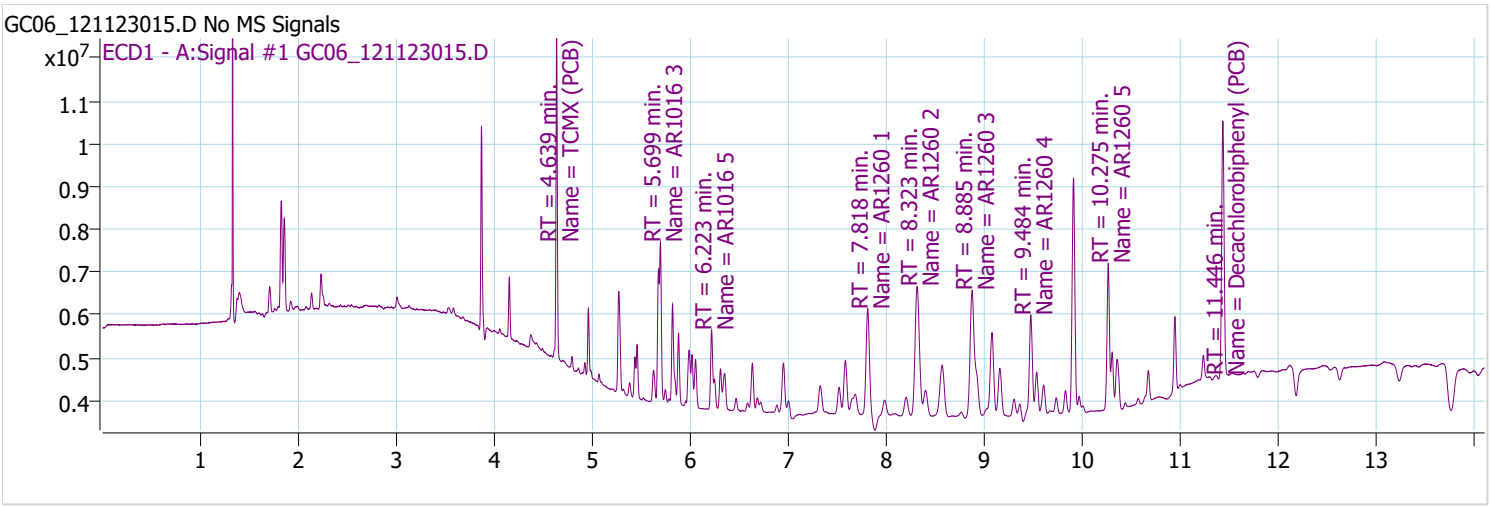
*-=low bias c=CCV u=use*

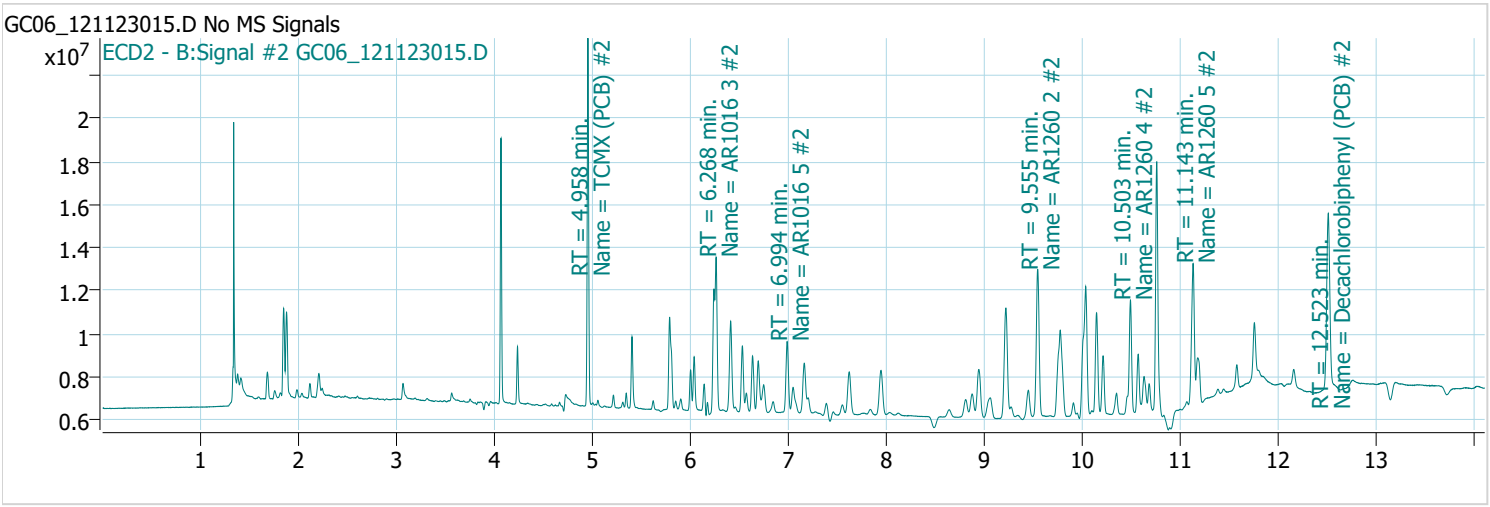
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**Analyst:** TRN 12/12/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123015.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 5:29:37 PM |
| Sample Name | QC1112576, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 2 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



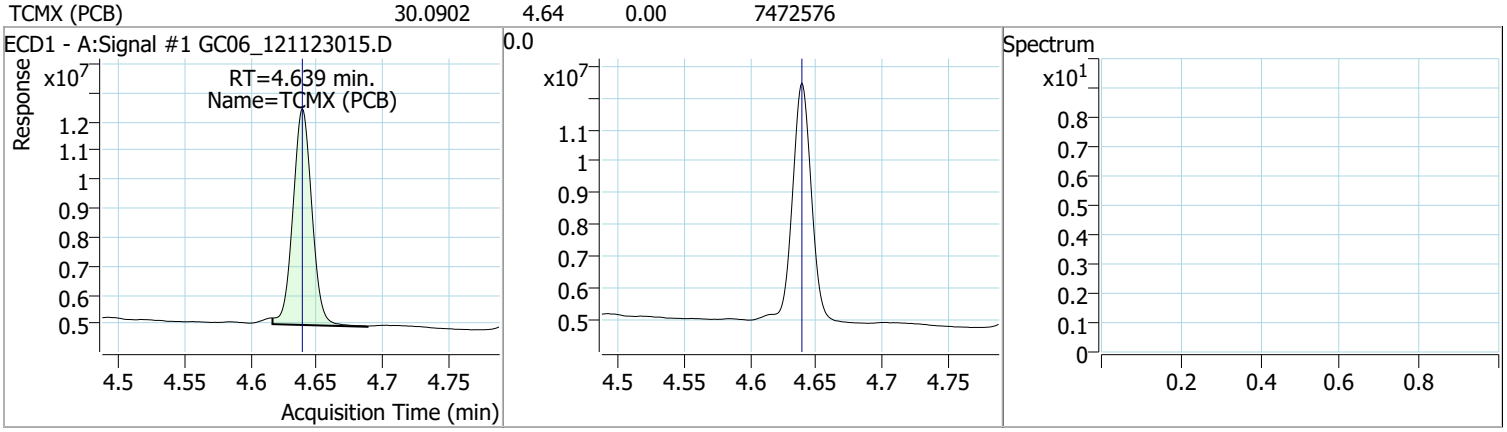




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.872 | 0.0 | 4991328.797 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.071 | 0.0 | 11462253.929 | 20.0000 | ng/ml | | 0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 7472575.618 | 30.0902 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 150.45% | | * | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 17847132.222 | 33.1238 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 165.62% | | * | |
| S Decachlorobiphenyl (PCB) | 11.446 | 0.0 | 10744731.714 | 33.7458 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 168.73% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 19270250.371 | 29.2878 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 146.44% | | | |
| **Target Compounds** | | | | | | | QValue |

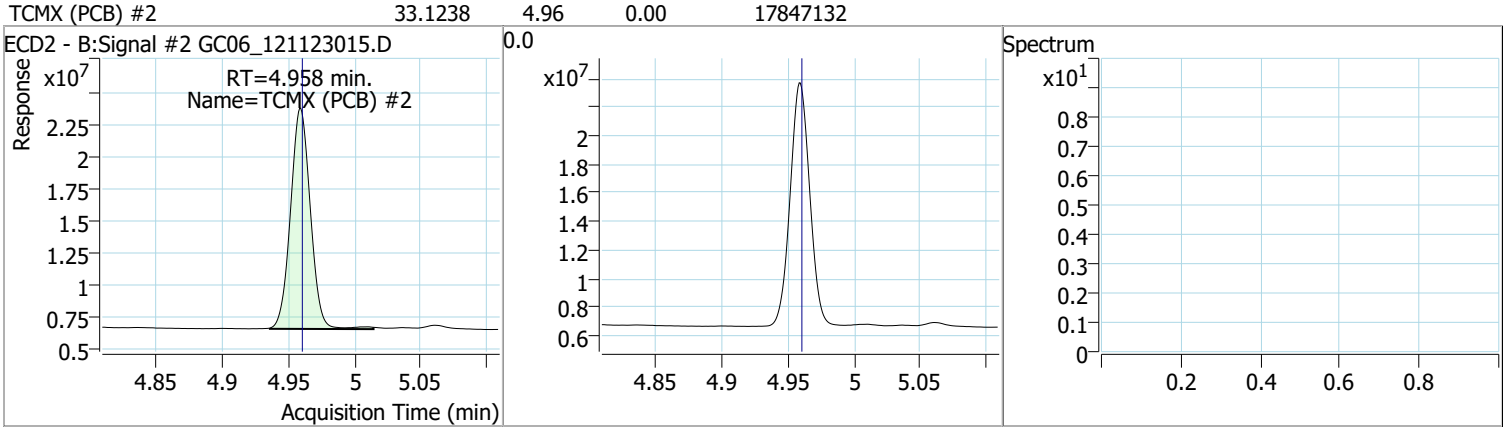
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.963 | 0.0 | 1927666.263 | 355.8311 | ng/ml | | 100 |
| T AR1016 2 | 5.274 | 0.0 | 3803761.874 | 349.8293 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.409 | 0.0 | 4182388.114 | 394.6009 | ng/ml | | 100 |
| T AR1016 3 | 5.699 | 0.0 | 4880446.690 | 370.8908 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.794 | 0.0 | 8428853.100 | 381.0632 | ng/ml | | 100 |
| T AR1016 4 | 5.823 | 0.0 | 3623797.920 | 416.1118 | ng/ml | | 100 |
| T AR1016 5 | 6.223 | 0.0 | 2732055.580 | 348.6200 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.268 | 0.0 | 10708192.696 | 363.8095 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.418 | 0.0 | 7272912.656 | 367.8225 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.994 | 0.0 | 5879851.310 | 359.9468 | ng/ml | | 100 |
| T AR1260 1 | 7.818 | 0.0 | 8183303.950 | 542.2740 | ng/ml | m | 100 |
| T AR1260 2 | 8.323 | 0.0 | 9400780.422 | 399.7805 | ng/ml | | 100 |
| T AR1260 3 | 8.885 | 0.0 | 10515743.577 | 425.8728 | ng/ml | | 100 |
| T AR1260 1 #2 | 9.230 | 0.0 | 11760782.762 | 387.5511 | ng/ml | | 100 |
| T AR1260 4 | 9.484 | 0.0 | 5313199.095 | 409.3467 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.555 | 0.0 | 14122957.773 | 385.7366 | ng/ml | | 100 |
| T AR1260 3 #2 | 10.045 | 0.0 | 16467690.824 | 352.8357 | ng/ml | | 100 |
| T AR1260 5 | 10.275 | 0.0 | 6010347.096 | 362.8858 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.503 | 0.0 | 9755141.850 | 343.7955 | ng/ml | m | 100 |
| T AR1260 5 #2 | 11.143 | 0.0 | 13275126.686 | 315.6720 | ng/ml | | 100 |

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

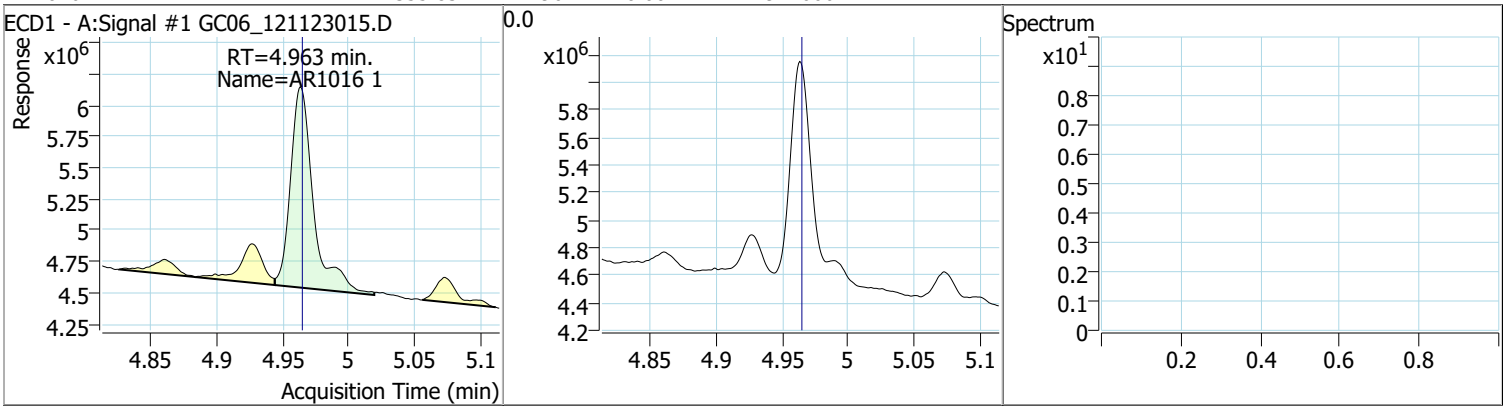
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 30.0902 | 4.64 | 0.00 | 7472576 | | | | |



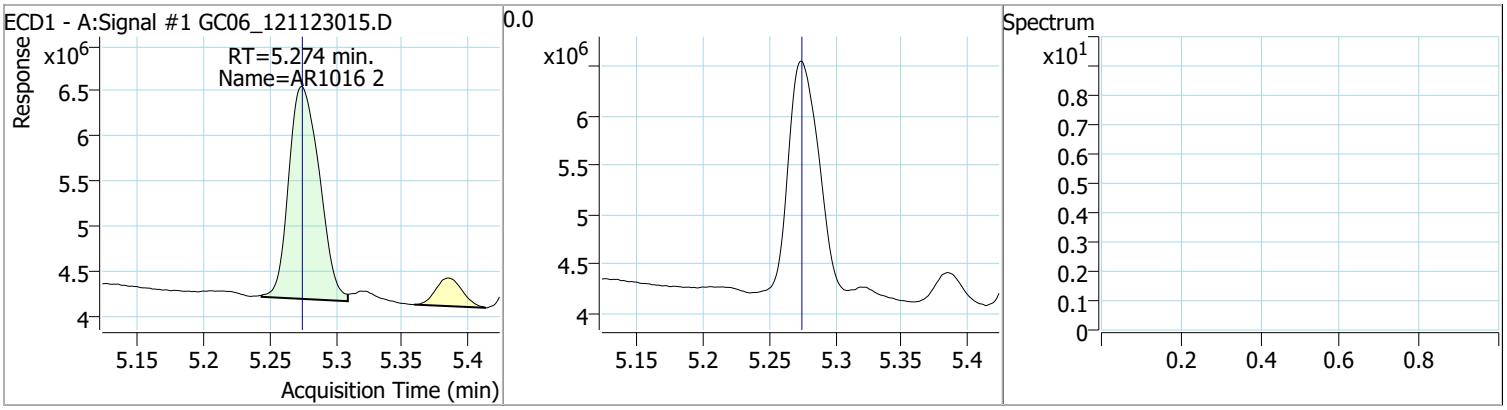

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 33.1238 | 4.96 | 0.00 | 17847132 | | | | |



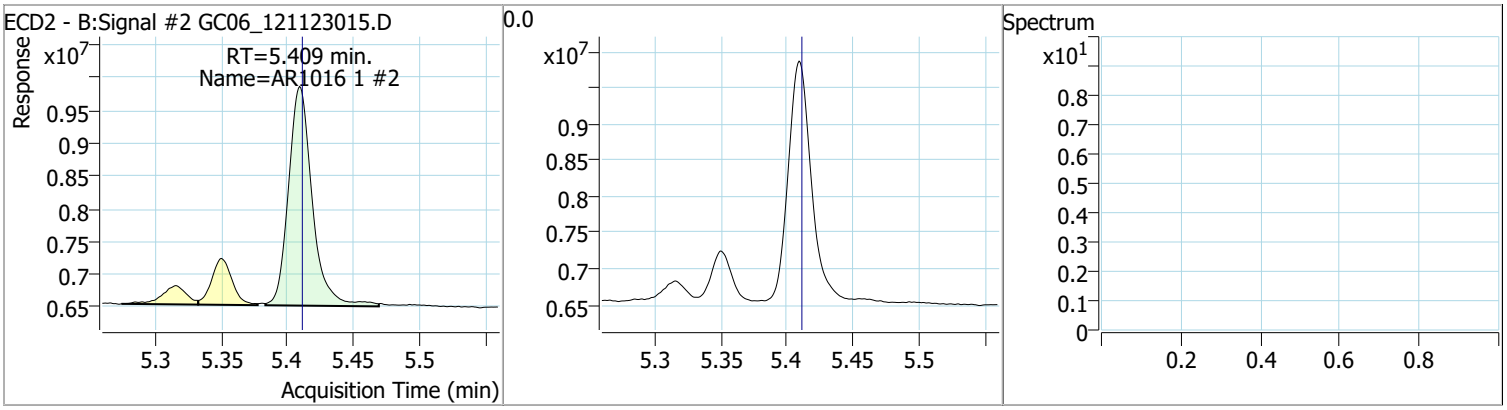

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 355.8311 | 4.96 | 0.00 | 1927666 | | | | |



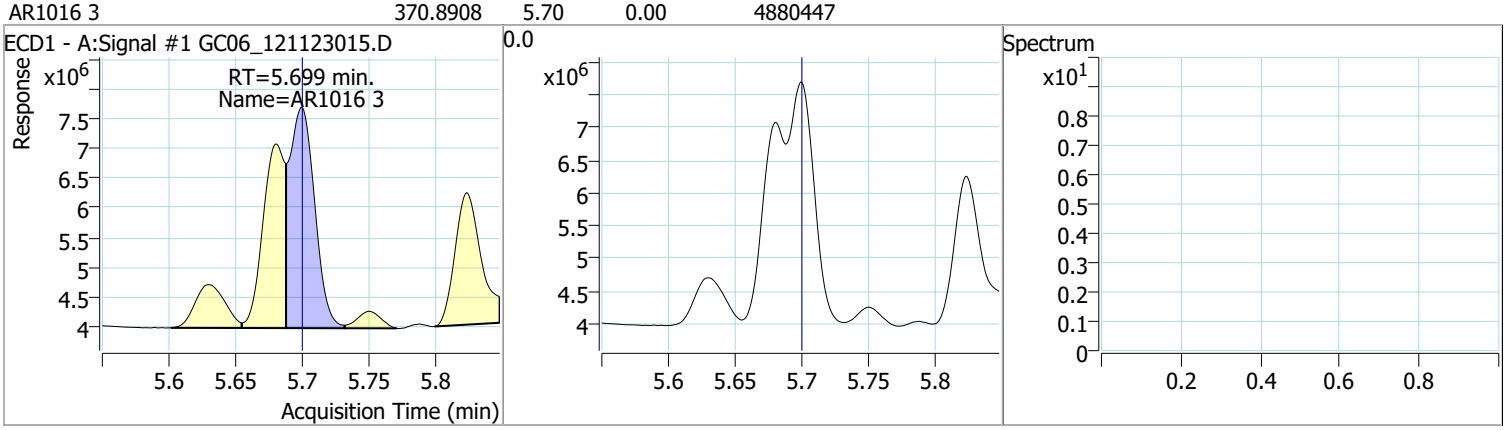

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 349.8293 | 5.27 | 0.00 | 3803762 | | | | |



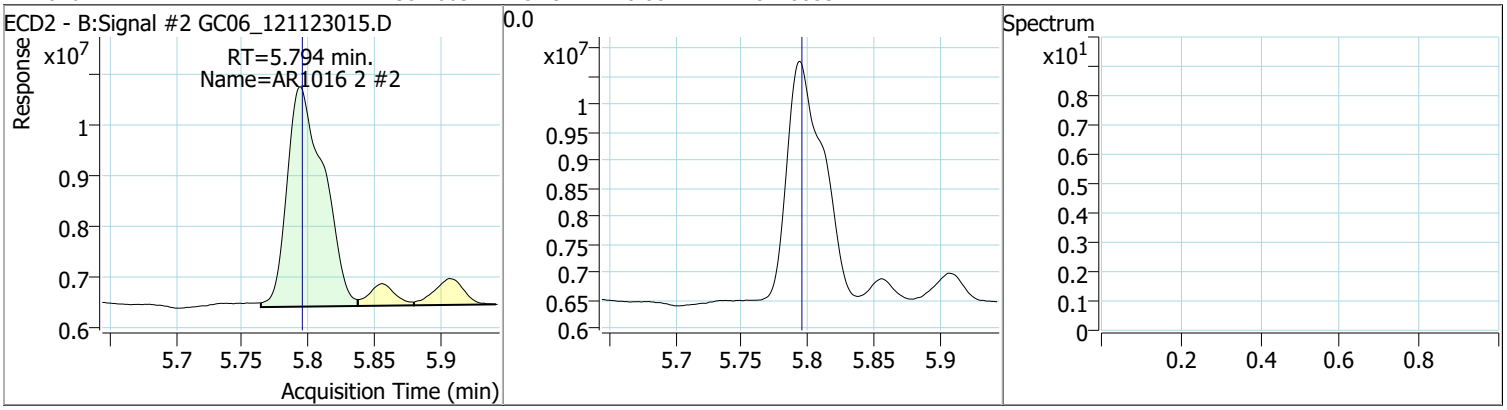
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 394.6009 | 5.41 | 0.00 | 4182388 | | | | |



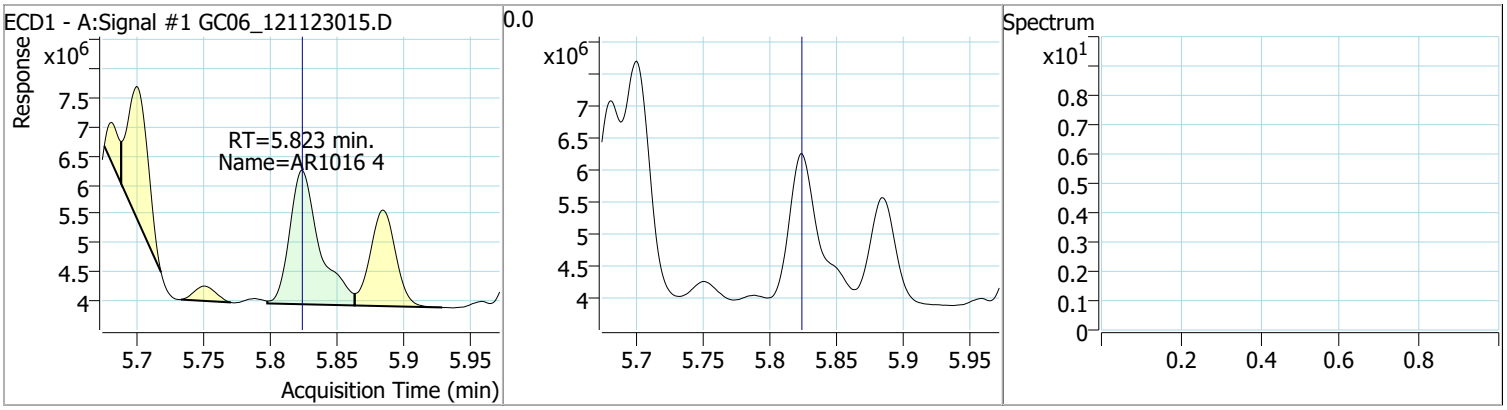

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 370.8908 | 5.70 | 0.00 | 4880447 | | | | |



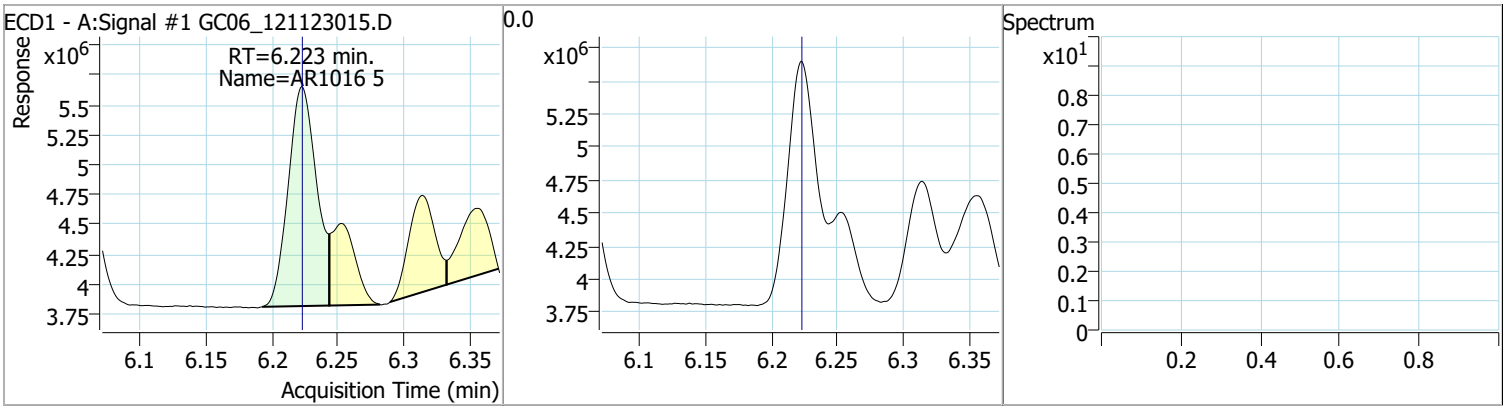

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 381.0632 | 5.79 | 0.00 | 8428853 | | | | |



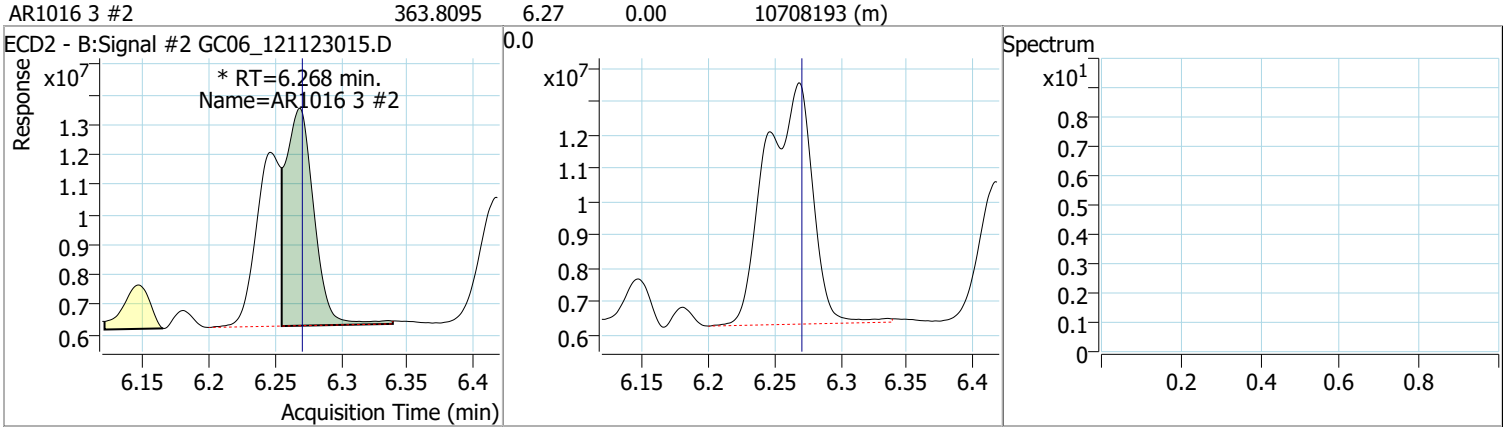

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 416.1118 | 5.82 | 0.00 | 3623798 | | | | |



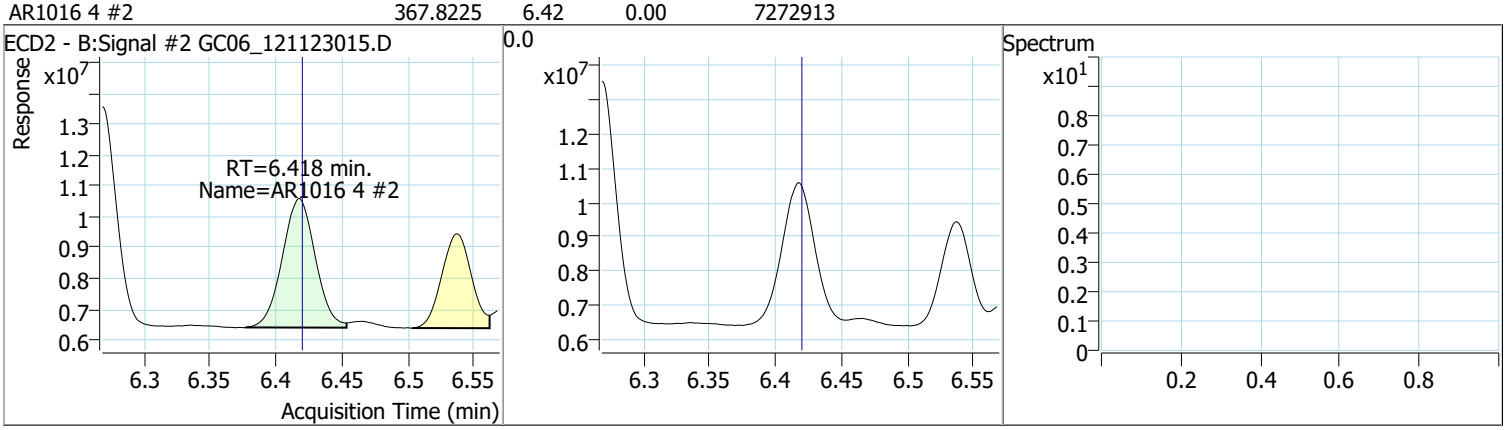
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 348.6200 | 6.22 | 0.00 | 2732056 | | | | |



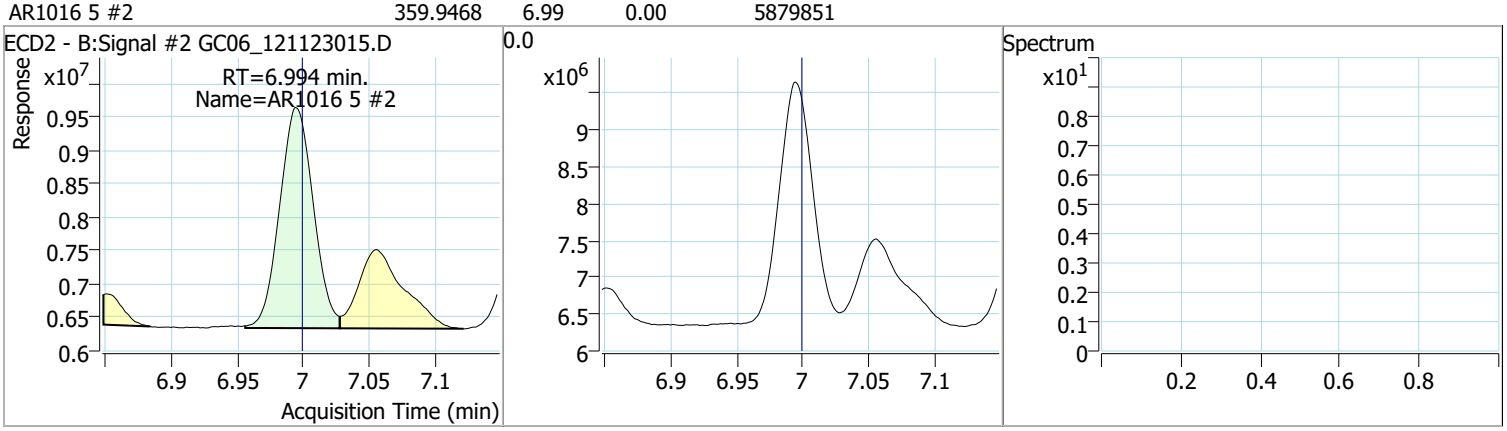

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 363.8095 | 6.27 | 0.00 | 10708193 (m) | | | | |



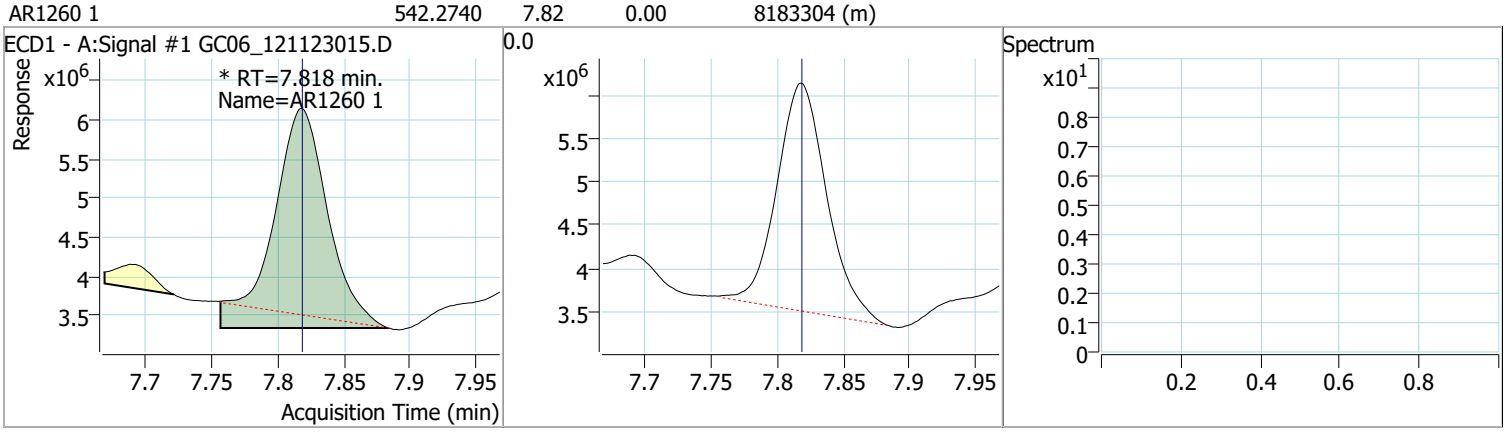

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 367.8225 | 6.42 | 0.00 | 7272913 | | | | |



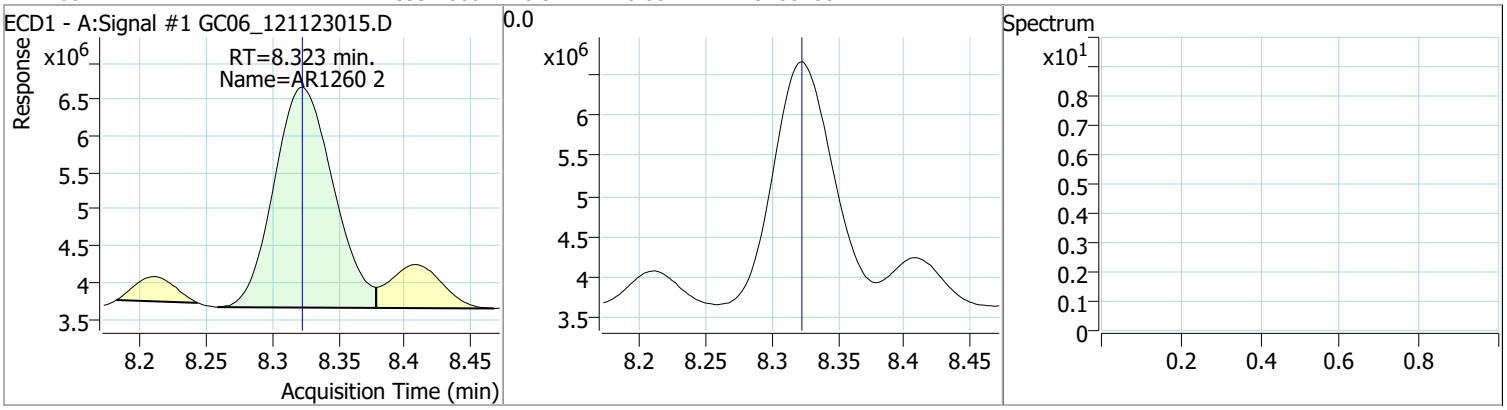

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 359.9468 | 6.99 | 0.00 | 5879851 | | | | |



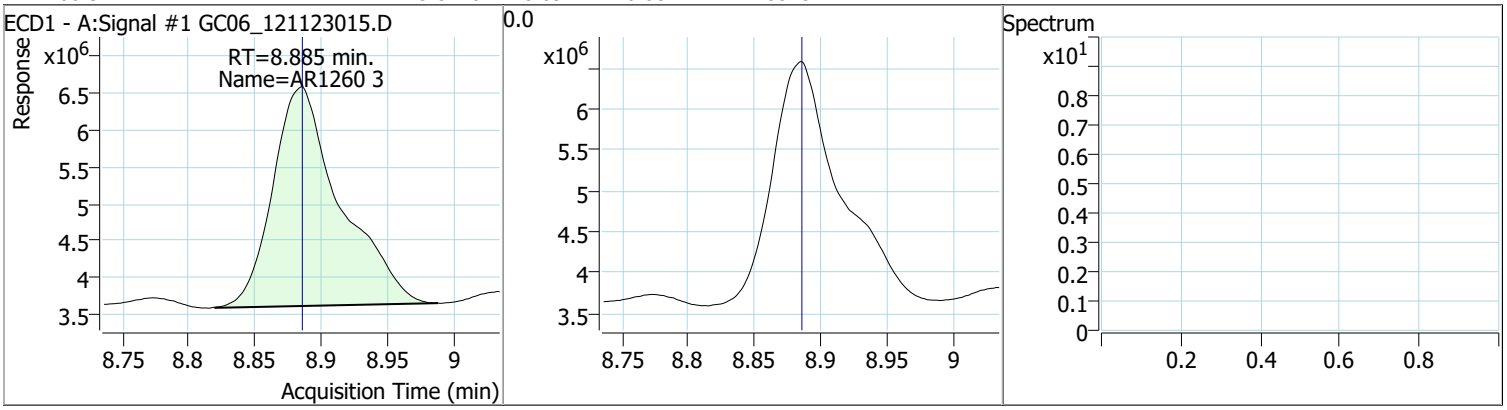
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 542.2740 | 7.82 | 0.00 | 8183304 (m) | | | | |



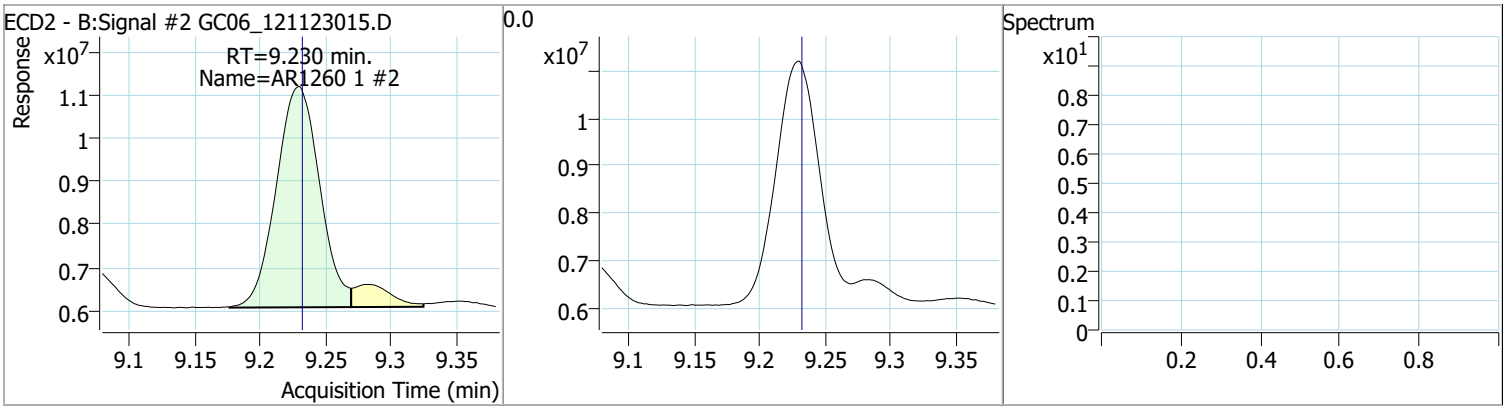

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 399.7805 | 8.32 | 0.00 | 9400780 | | | | |



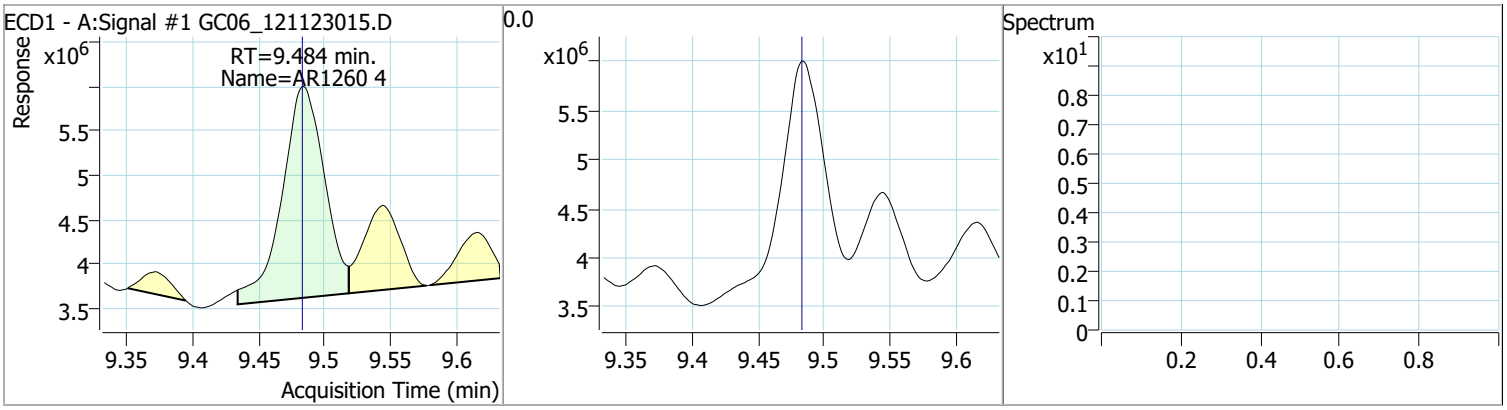

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 425.8728 | 8.89 | 0.00 | 10515744 | | | | |



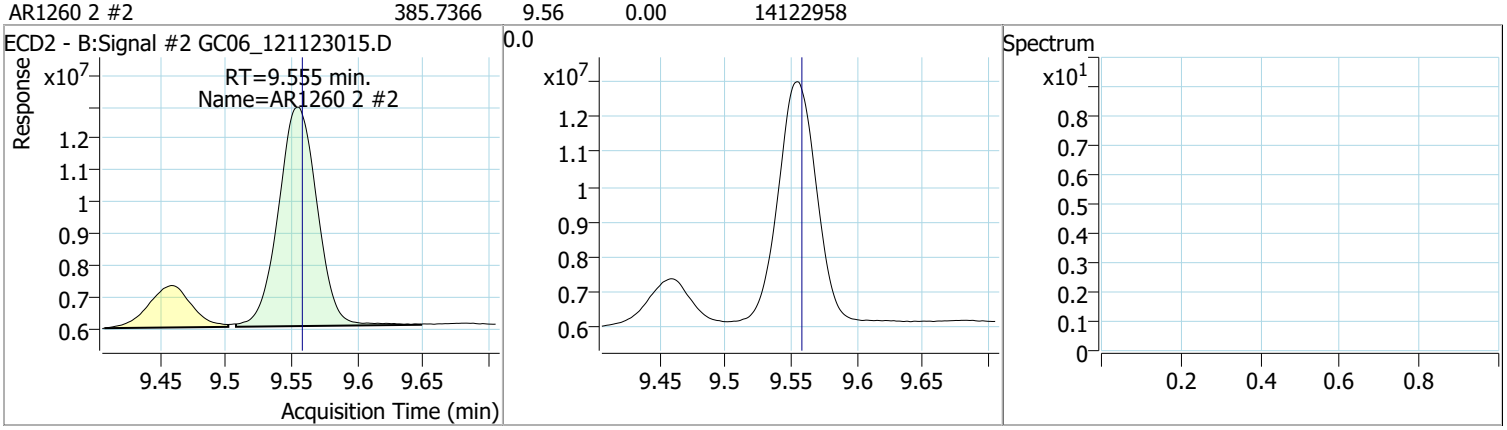

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 387.5511 | 9.23 | 0.00 | 11760783 | | | | |



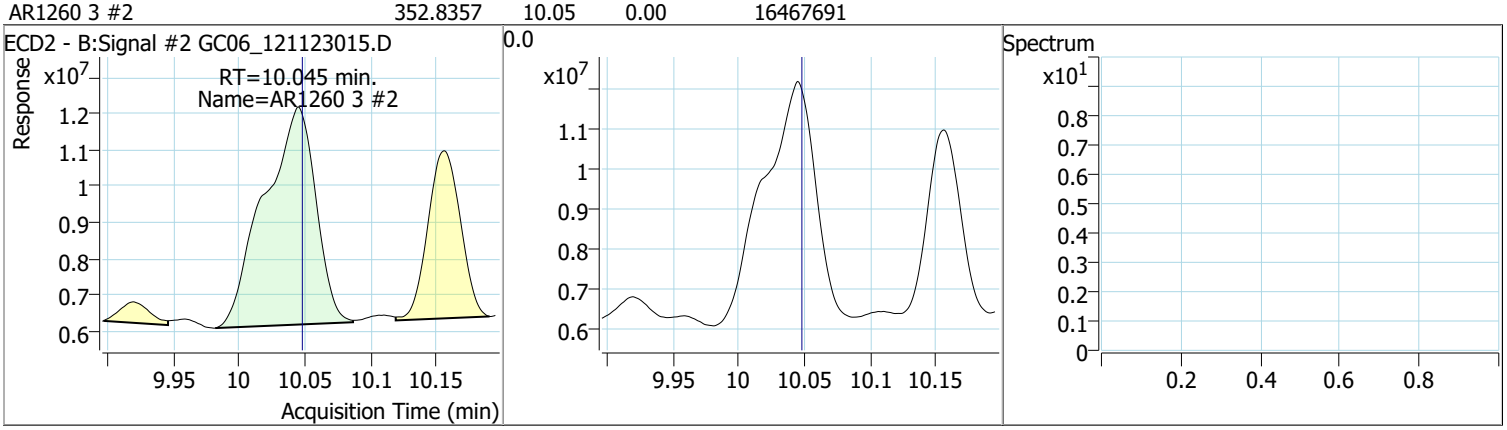
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 409.3467 | 9.48 | 0.00 | 5313199 | | | | |



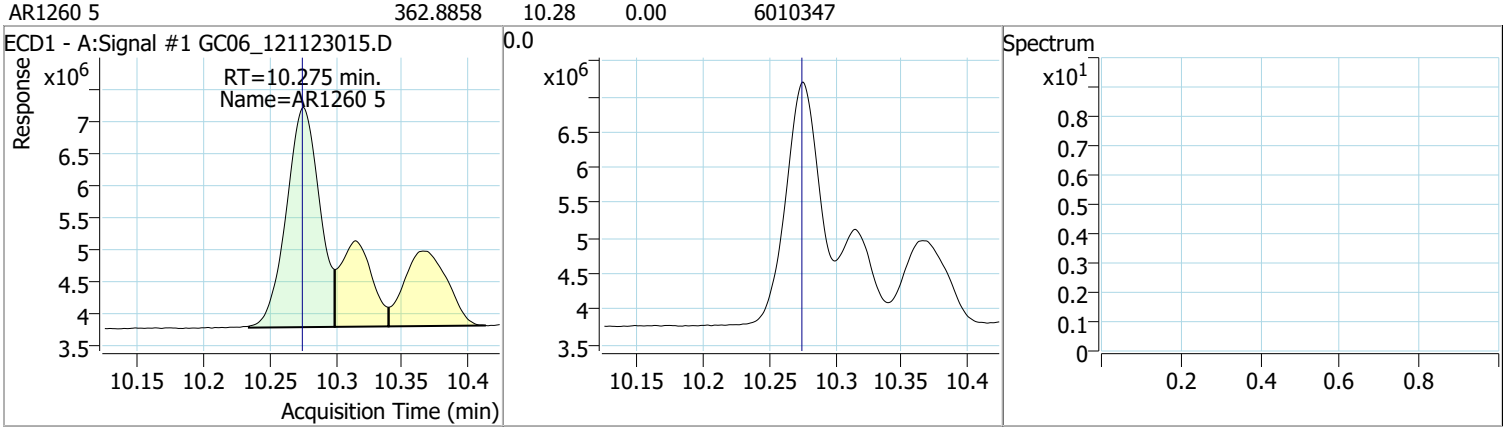

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 385.7366 | 9.56 | 0.00 | 14122958 | | | | |



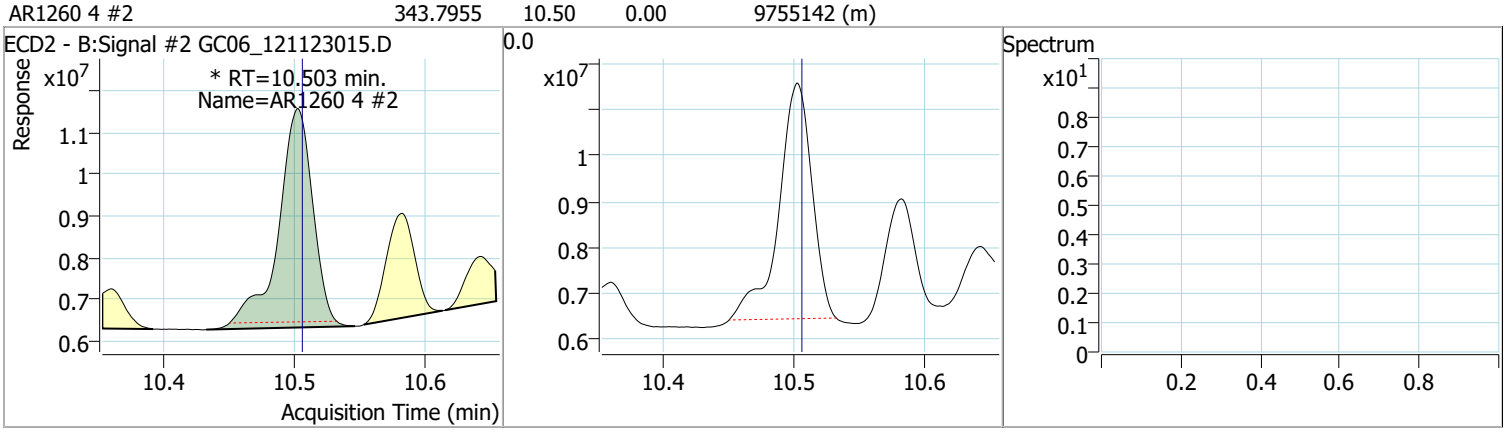

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 352.8357 | 10.05 | 0.00 | 16467691 | | | | |



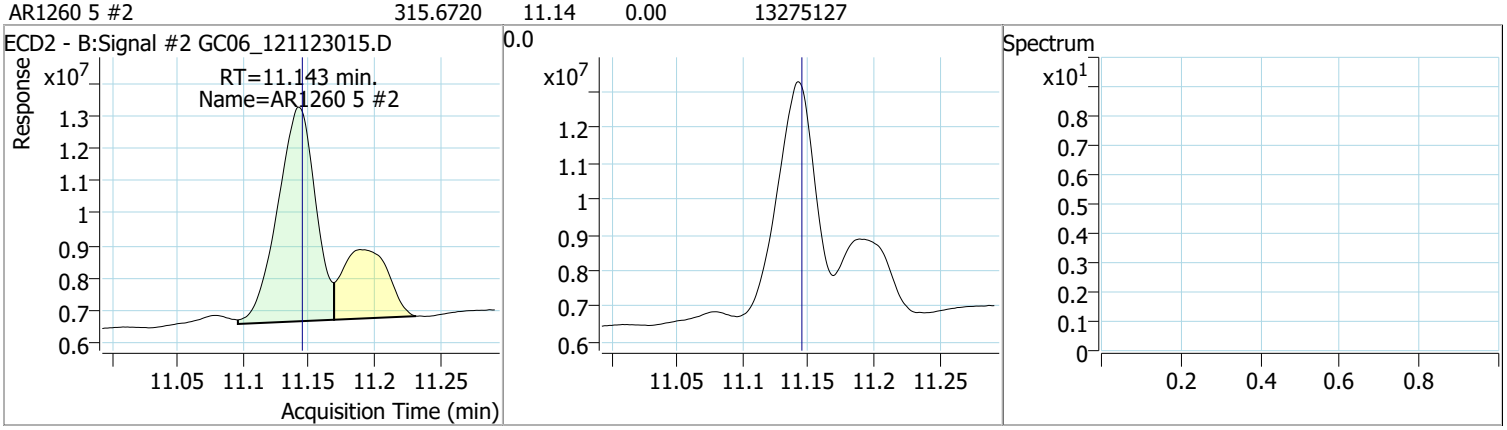

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 362.8858 | 10.28 | 0.00 | 6010347 | | | | |



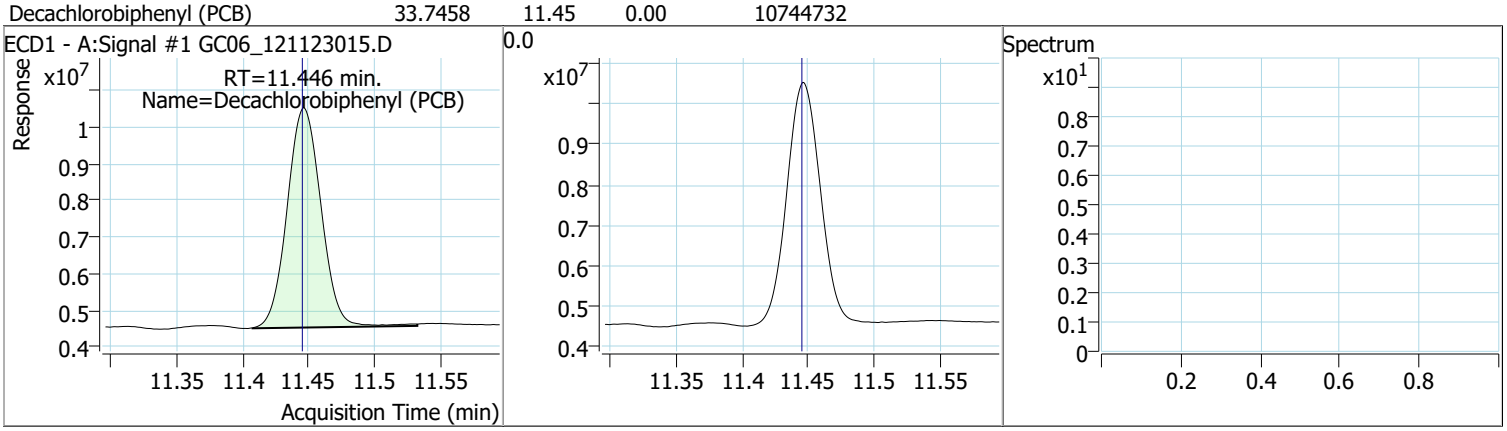
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 343.7955 | 10.50 | 0.00 | 9755142 (m) | | | | |



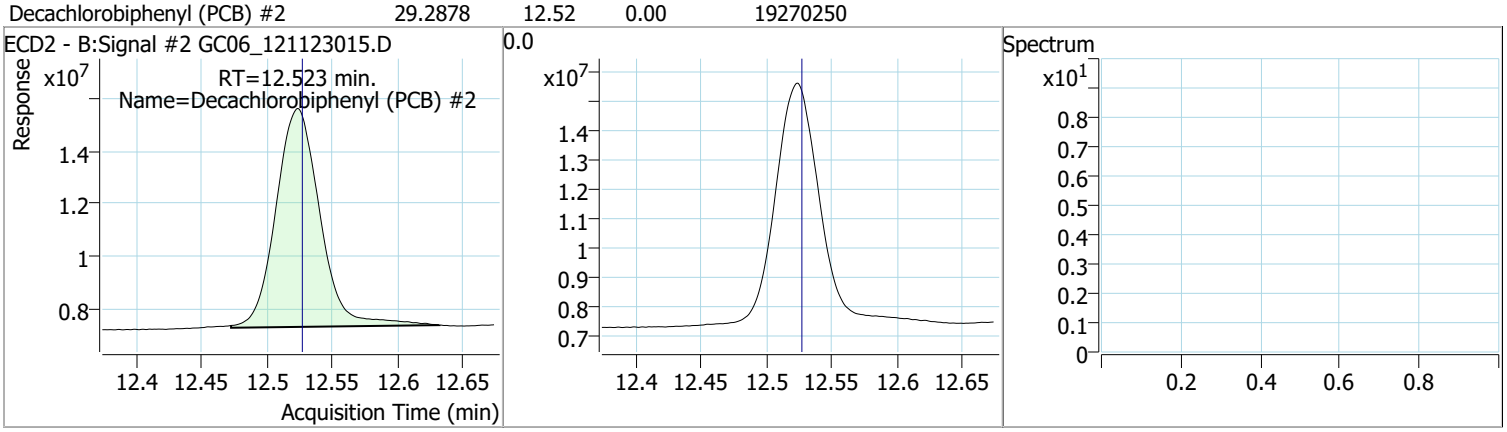

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 315.6720 | 11.14 | 0.00 | 13275127 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 33.7458 | 11.45 | 0.00 | 10744732 | | | | |

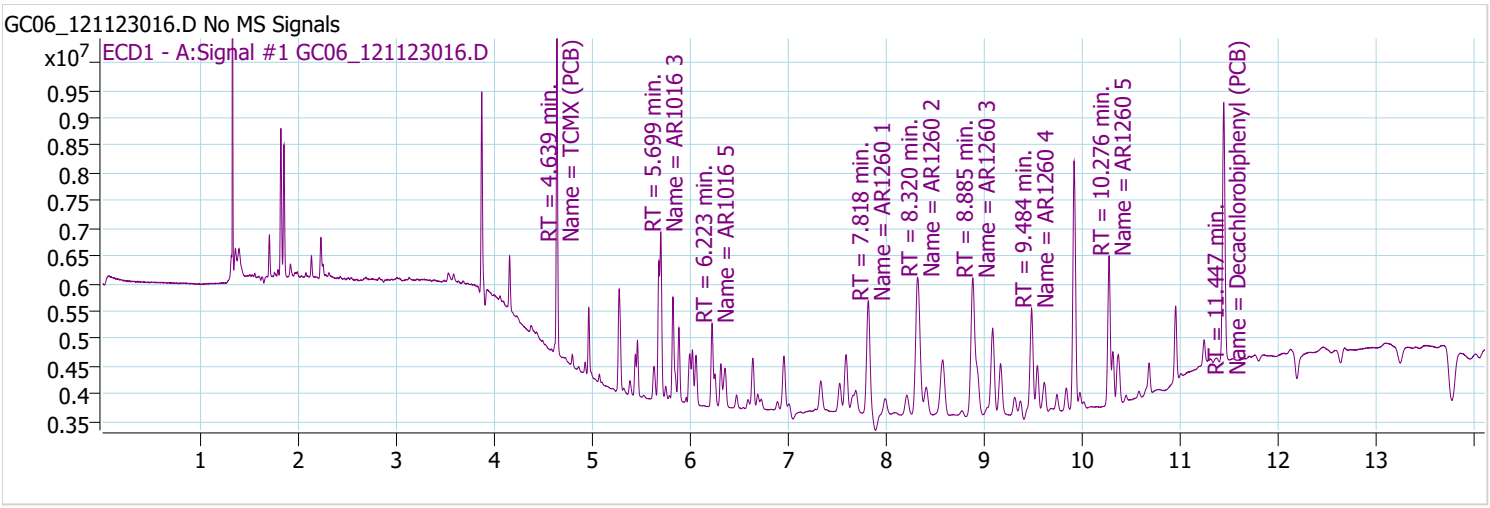


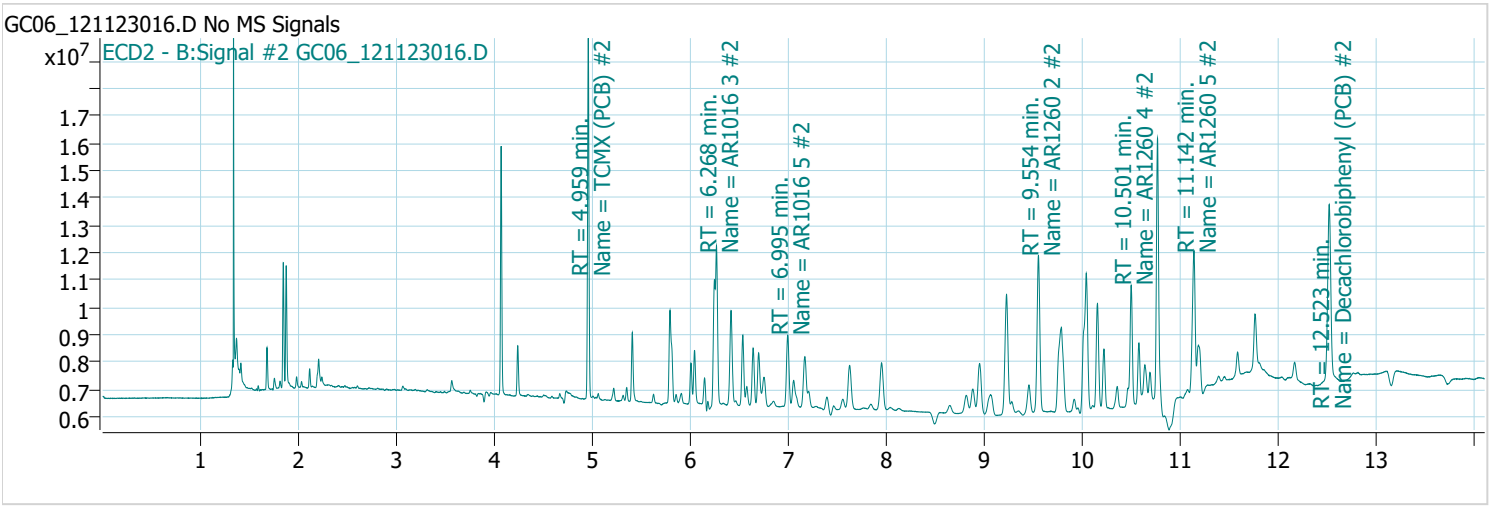

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 29.2878 | 12.52 | 0.00 | 19270250 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123016.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 5:49:25 PM |
| Sample Name | QC1112577, 328150, 1 | Instrument | SVOA-GC06 |
| Vial | 3 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | WIPE/1DM^2-10ML |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



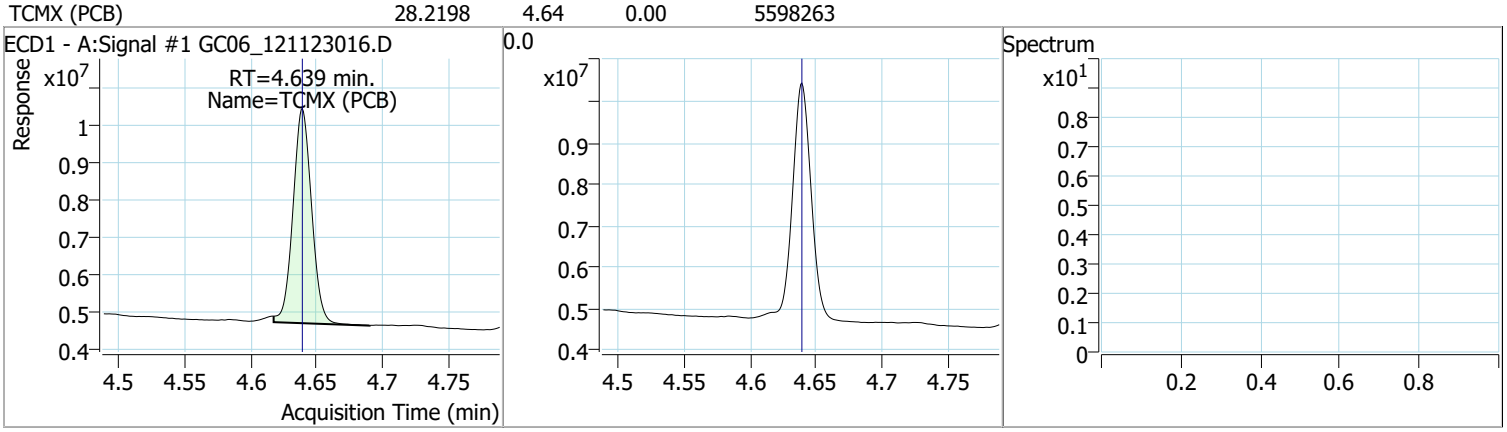




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.872 | 0.0 | 3987211.950 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.069 | 0.0 | 8408008.523 | 20.0000 | ng/ml | | -0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 5598262.557 | 28.2198 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 141.10% | | | |
| S TCMX (PCB) #2 | 4.959 | 0.0 | 13207200.702 | 33.4164 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 167.08% | | * | |
| S Decachlorobiphenyl (PCB) | 11.447 | 0.0 | 8290877.662 | 32.5965 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 162.98% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 15567273.978 | 32.2544 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 161.27% | | * | |
| **Target Compounds** | | | | | | | QValue |

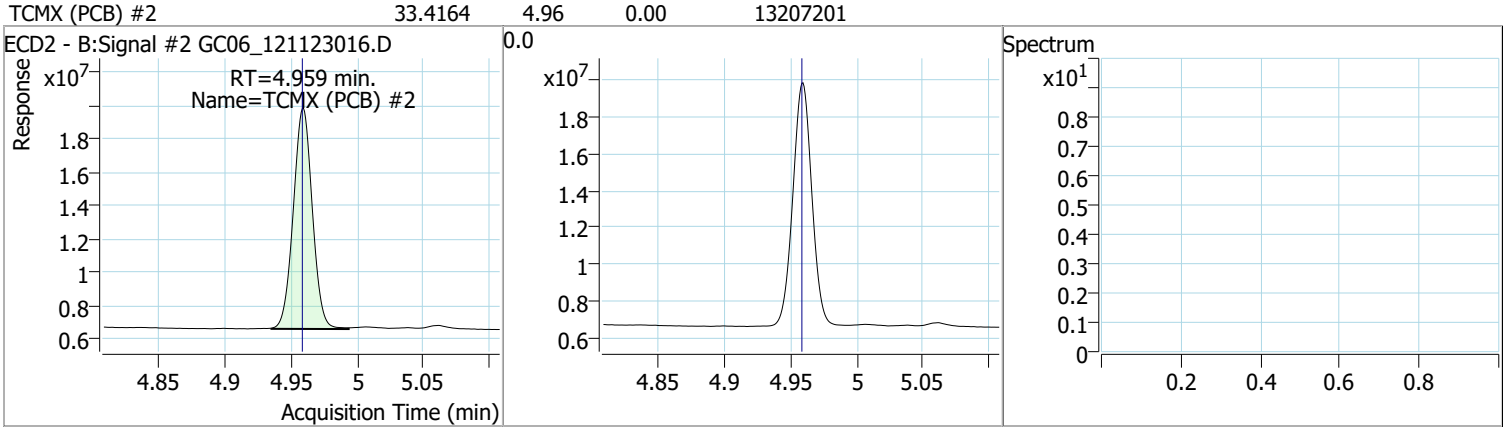
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.964 | 0.0 | 1395109.953 | 322.3794 | ng/ml | | 100 |
| T AR1016 2 | 5.274 | 0.0 | 2940371.157 | 338.5259 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.408 | 0.0 | 3099270.946 | 398.6302 | ng/ml | | 100 |
| T AR1016 3 | 5.699 | 0.0 | 4042405.824 | 384.5681 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.793 | 0.0 | 6499943.958 | 400.6038 | ng/ml | | 100 |
| T AR1016 4 | 5.823 | 0.0 | 2907046.102 | 417.8735 | ng/ml | | 100 |
| T AR1016 5 | 6.223 | 0.0 | 2213338.256 | 353.5554 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.268 | 0.0 | 8775392.323 | 406.4446 | ng/ml | | 100 |
| T AR1016 4 #2 | 6.416 | 0.0 | 5870702.878 | 404.7593 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.995 | 0.0 | 4741836.310 | 395.7267 | ng/ml | | 100 |
| T AR1260 1 | 7.818 | 0.0 | 6890501.970 | 571.5942 | ng/ml | m | 100 |
| T AR1260 2 | 8.320 | 0.0 | 7825018.333 | 416.5719 | ng/ml | | 100 |
| T AR1260 3 | 8.885 | 0.0 | 7622748.160 | 386.4545 | ng/ml | | 100 |
| T AR1260 1 #2 | 9.229 | 0.0 | 9657415.109 | 433.8410 | ng/ml | | 100 |
| T AR1260 4 | 9.484 | 0.0 | 4327474.992 | 417.3656 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.554 | 0.0 | 11515933.960 | 428.7866 | ng/ml | | 100 |
| T AR1260 3 #2 | 10.043 | 0.0 | 13715264.054 | 400.6092 | ng/ml | | 100 |
| T AR1260 5 | 10.276 | 0.0 | 4777093.955 | 361.0614 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.501 | 0.0 | 7945058.450 | 381.7162 | ng/ml | m | 100 |
| T AR1260 5 #2 | 11.142 | 0.0 | 10795945.144 | 349.9733 | ng/ml | | 100 |

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

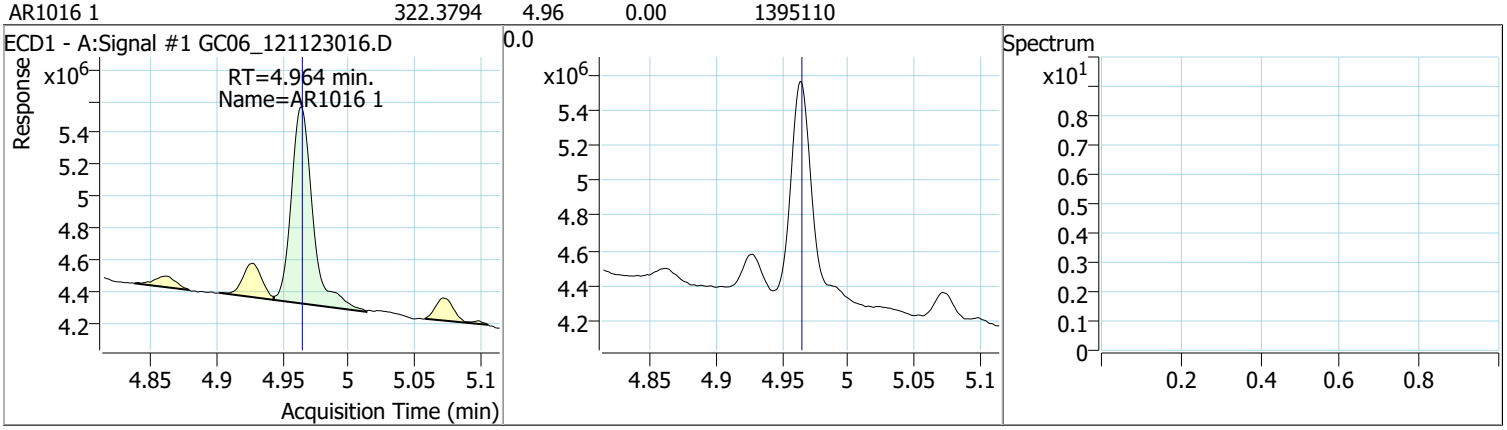
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 28.2198 | 4.64 | 0.00 | 5598263 | | | | |



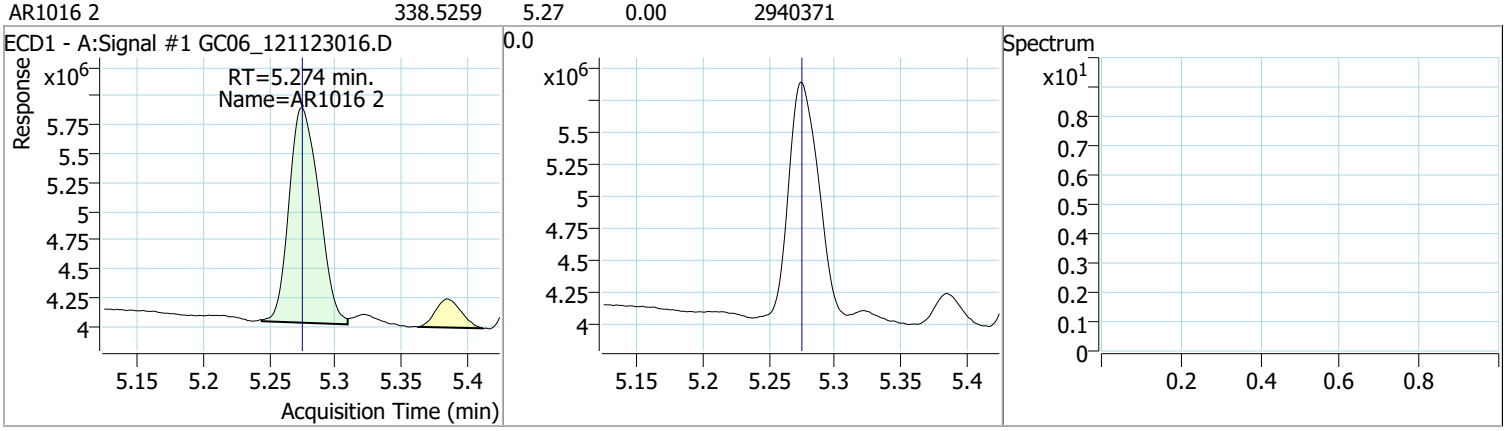

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 33.4164 | 4.96 | 0.00 | 13207201 | | | | |



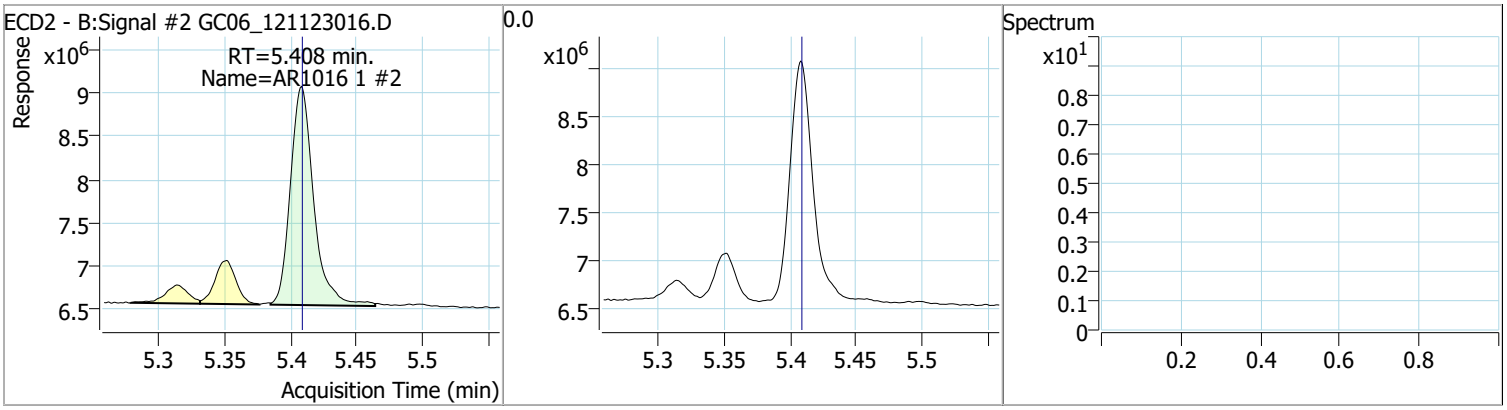

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 322.3794 | 4.96 | 0.00 | 1395110 | | | | |



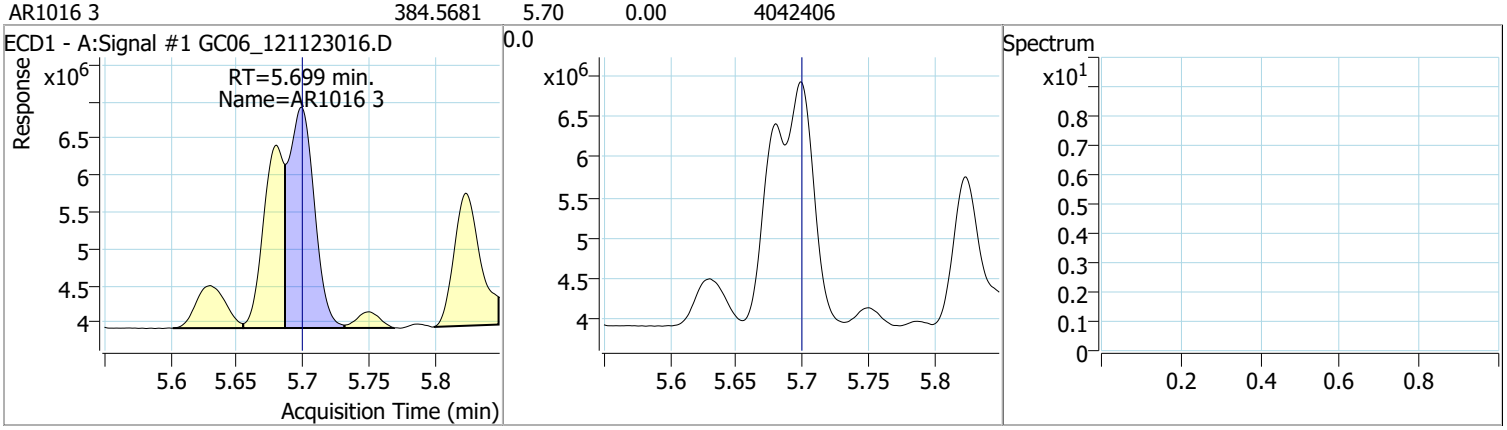

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 338.5259 | 5.27 | 0.00 | 2940371 | | | | |



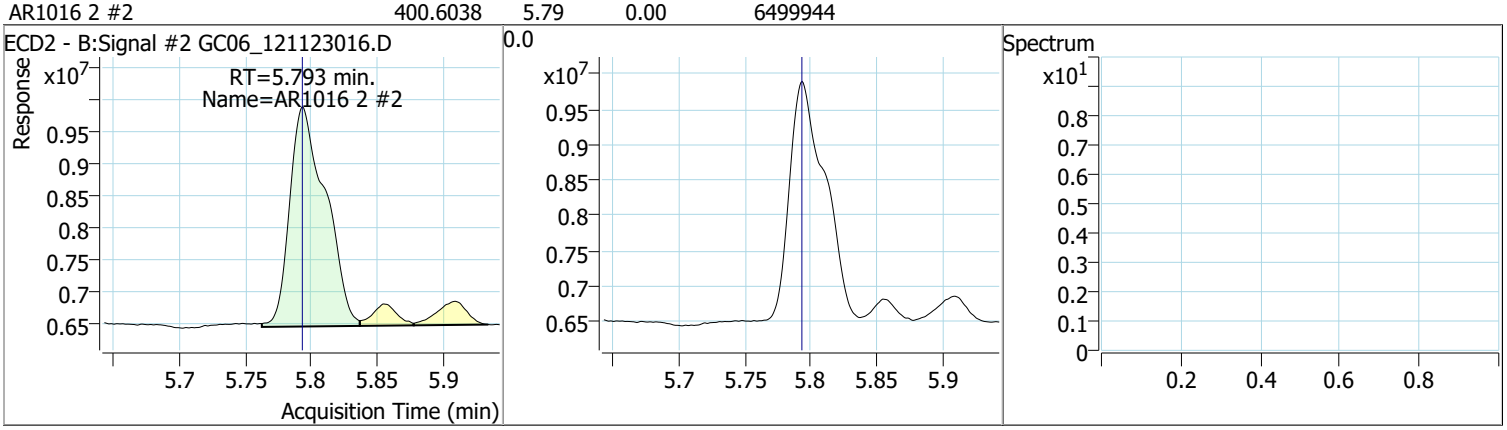
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 398.6302 | 5.41 | 0.00 | 3099271 | | | | |



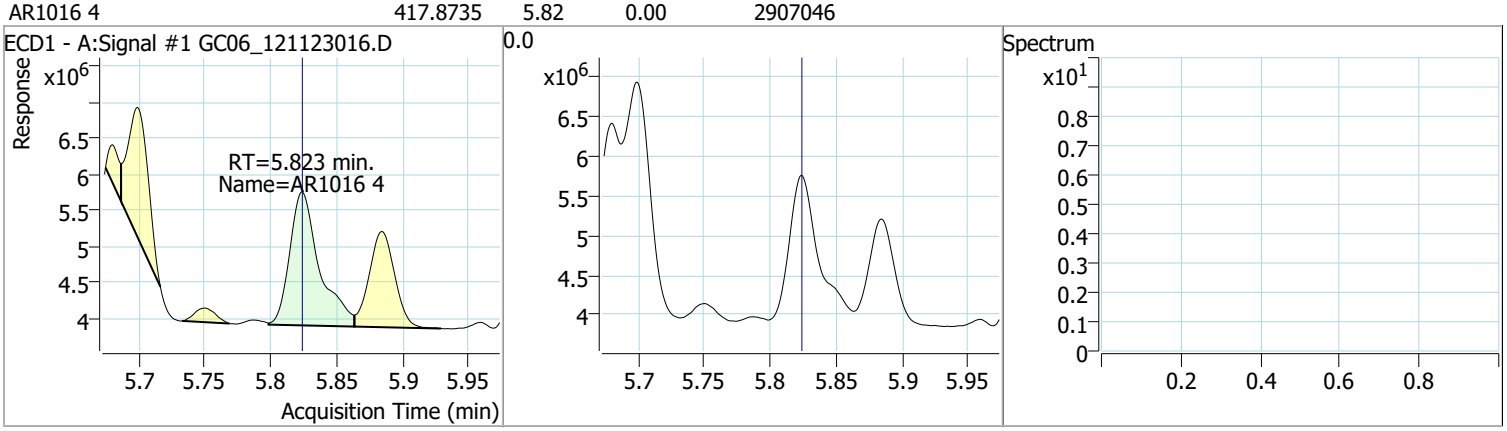

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 384.5681 | 5.70 | 0.00 | 4042406 | | | | |



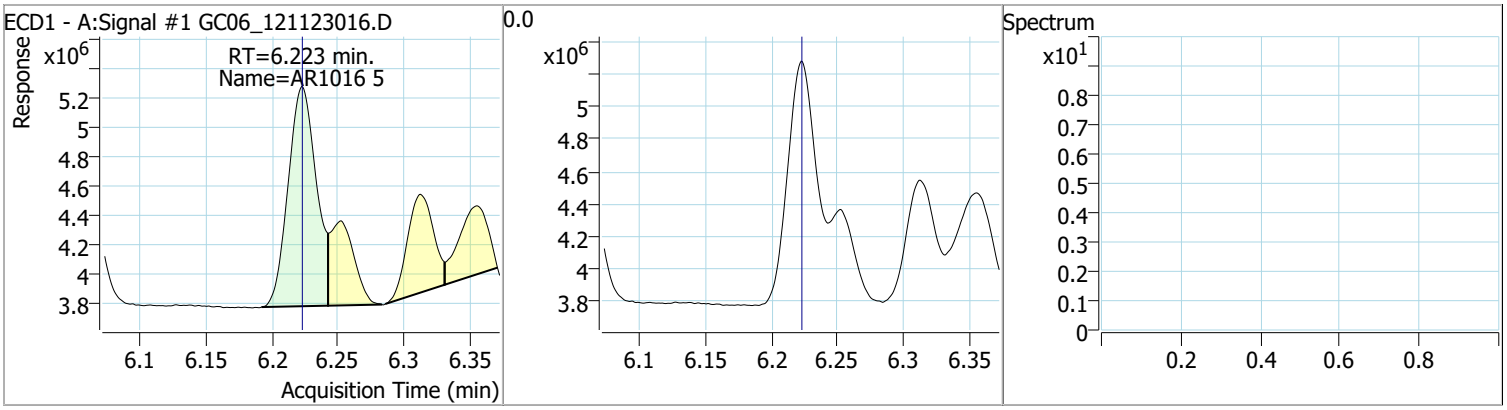

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 400.6038 | 5.79 | 0.00 | 6499944 | | | | |



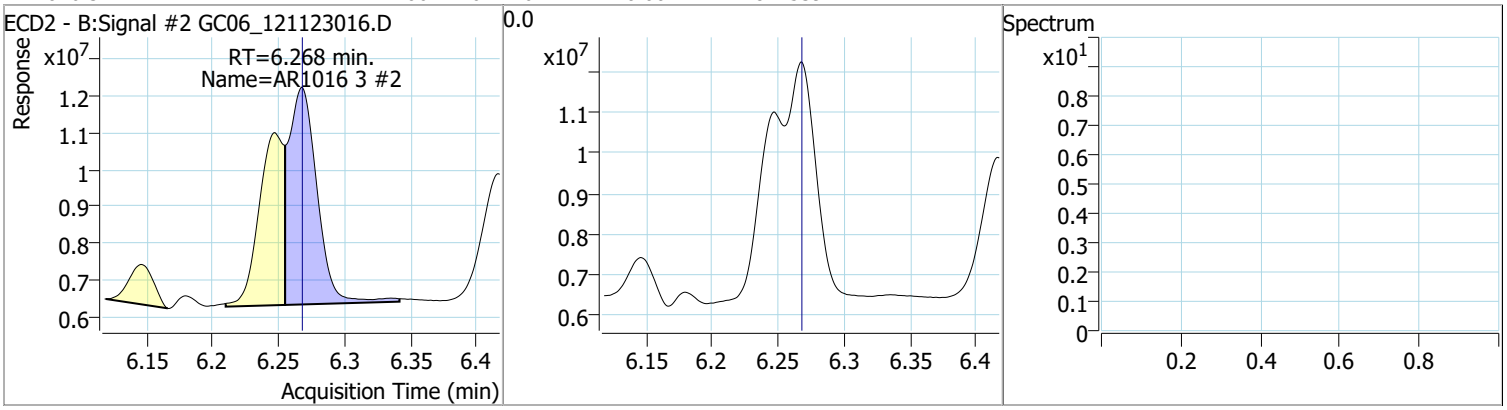

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 417.8735 | 5.82 | 0.00 | 2907046 | | | | |



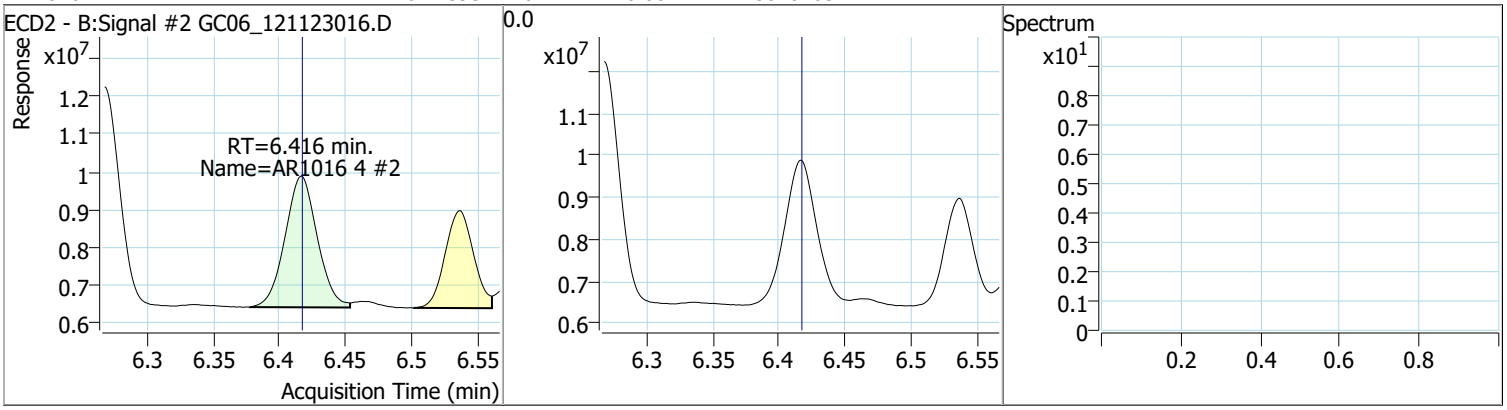
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 353.5554 | 6.22 | 0.00 | 2213338 | | | | |



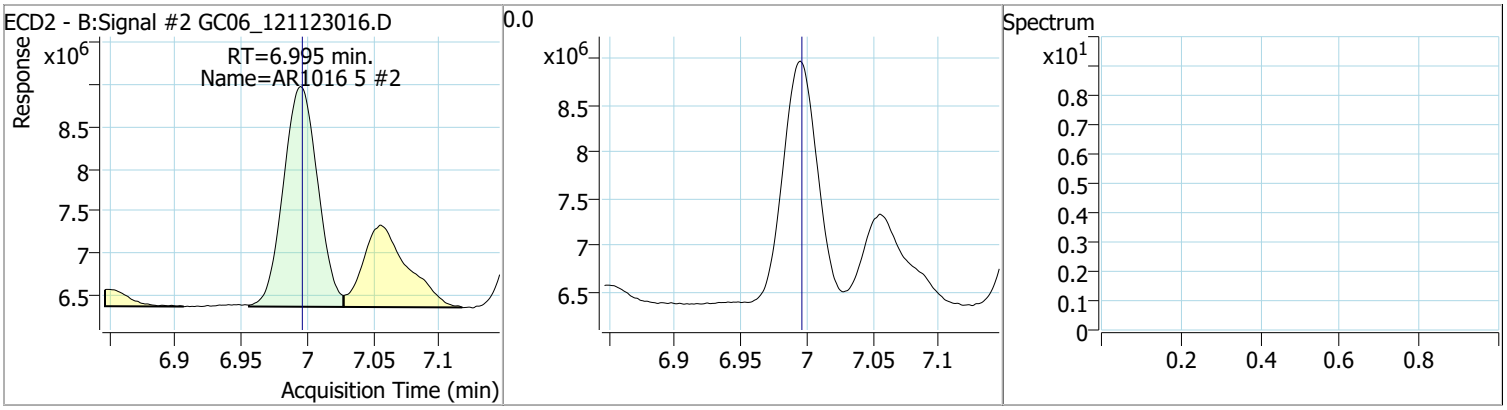

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 406.4446 | 6.27 | 0.00 | 8775392 | | | | |



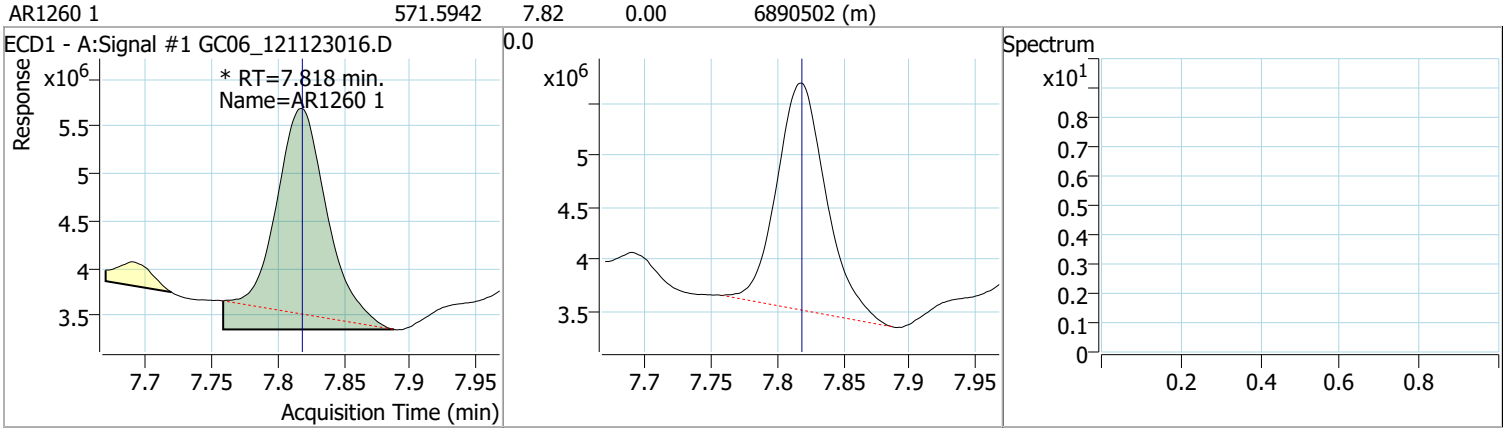

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 404.7593 | 6.42 | 0.00 | 5870703 | | | | |



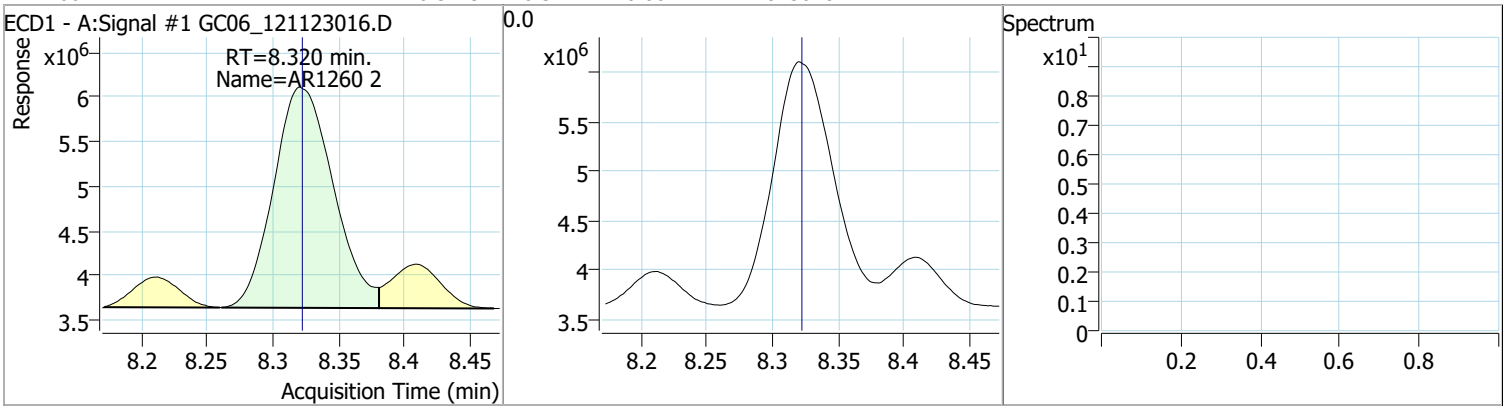

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 395.7267 | 7.00 | 0.00 | 4741836 | | | | |



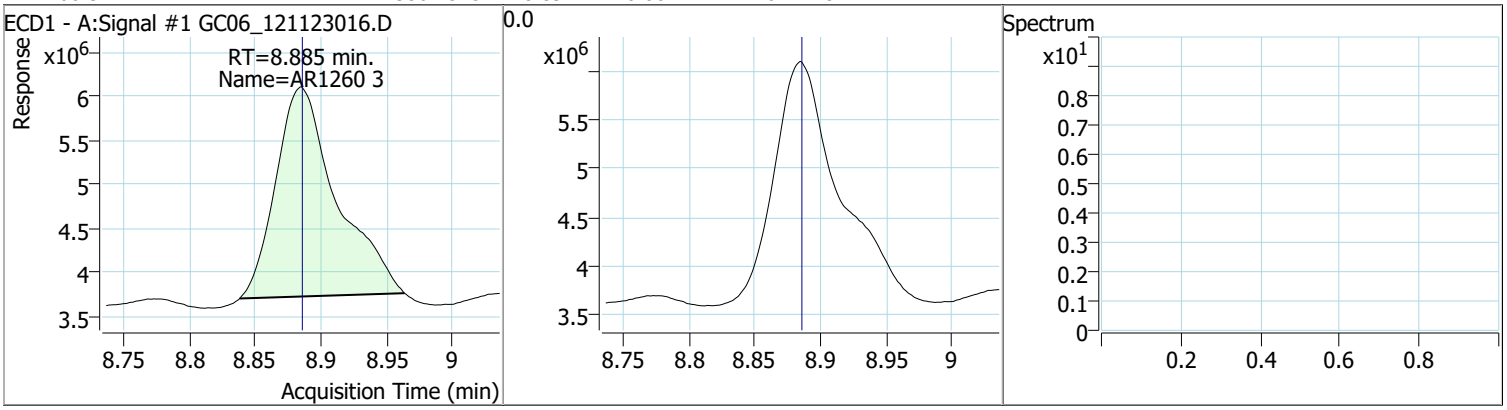
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 571.5942 | 7.82 | 0.00 | 6890502 (m) | | | | |



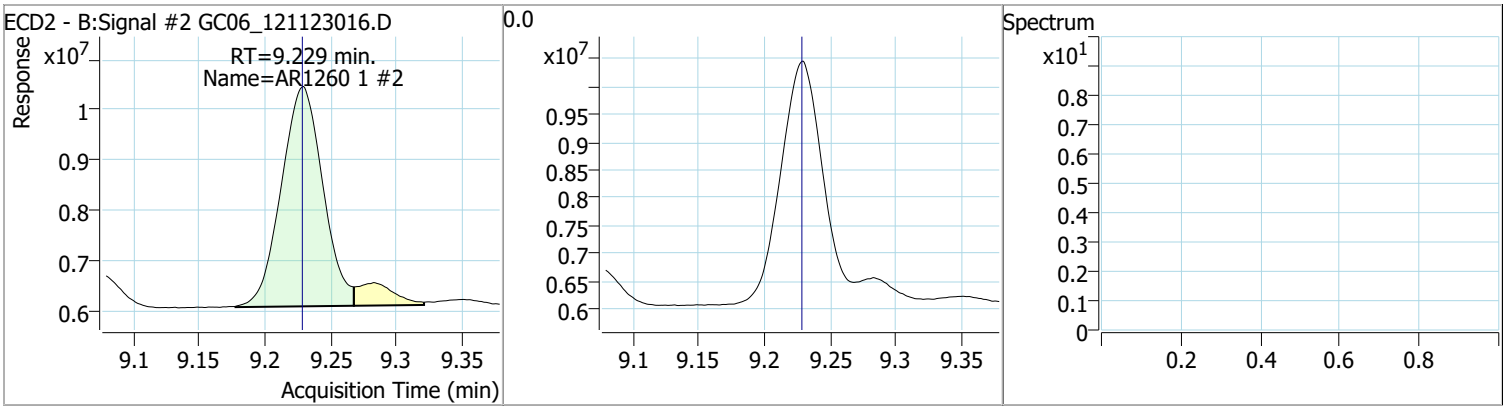

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 416.5719 | 8.32 | 0.00 | 7825018 | | | | |



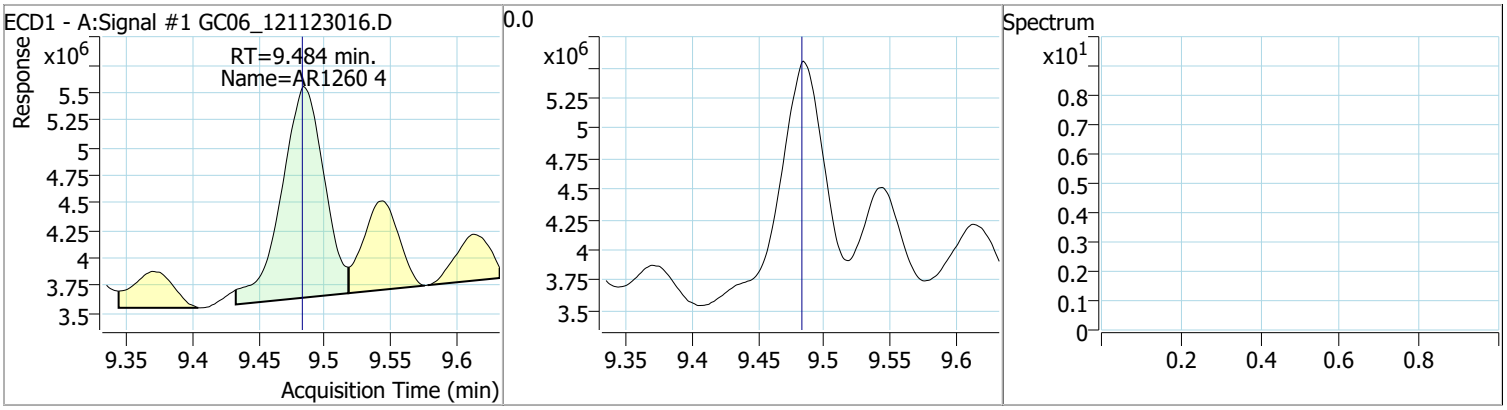

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 386.4545 | 8.89 | 0.00 | 7622748 | | | | |



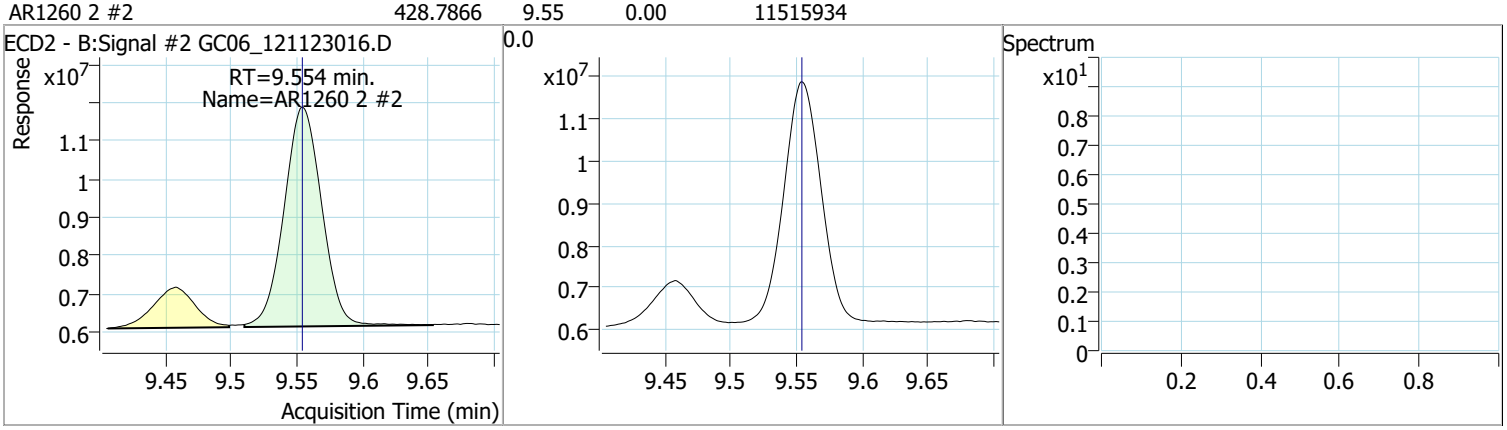

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 433.8410 | 9.23 | 0.00 | 9657415 | | | | |



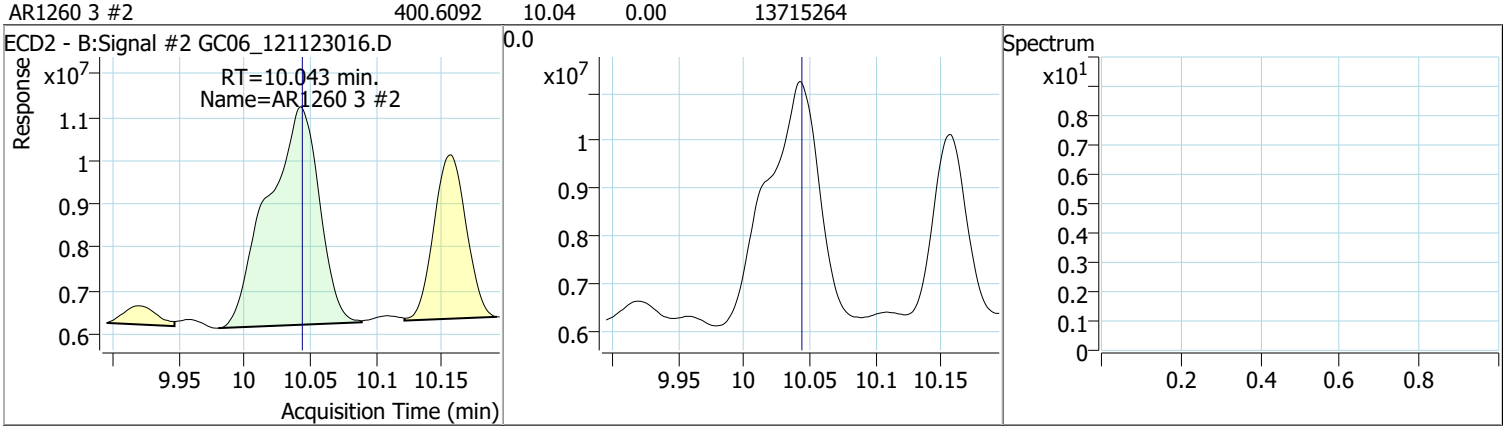
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 417.3656 | 9.48 | 0.00 | 4327475 | | | | |



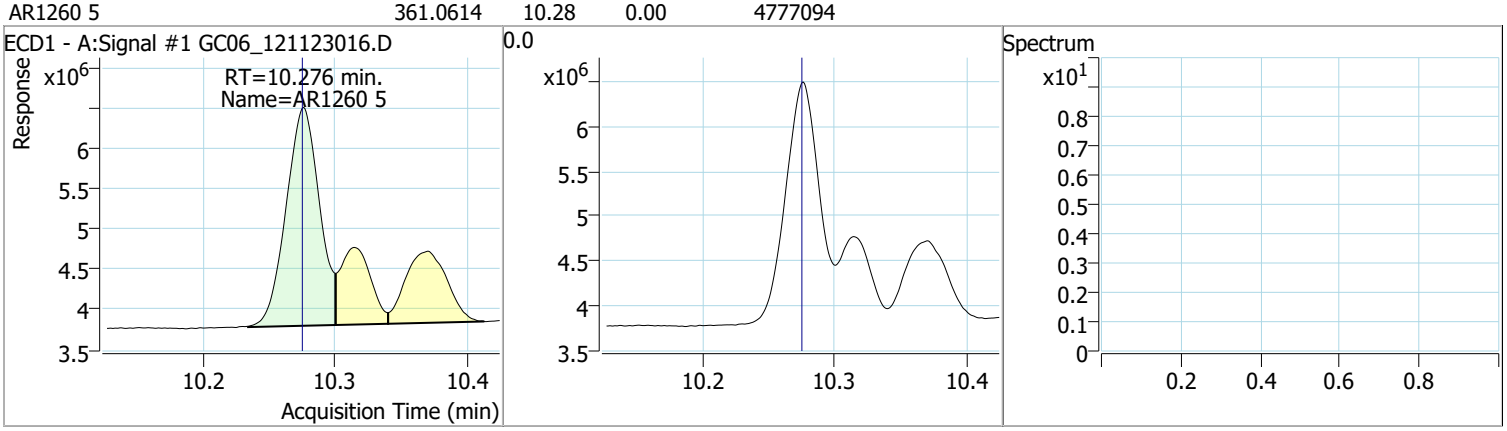

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 428.7866 | 9.55 | 0.00 | 11515934 | | | | |



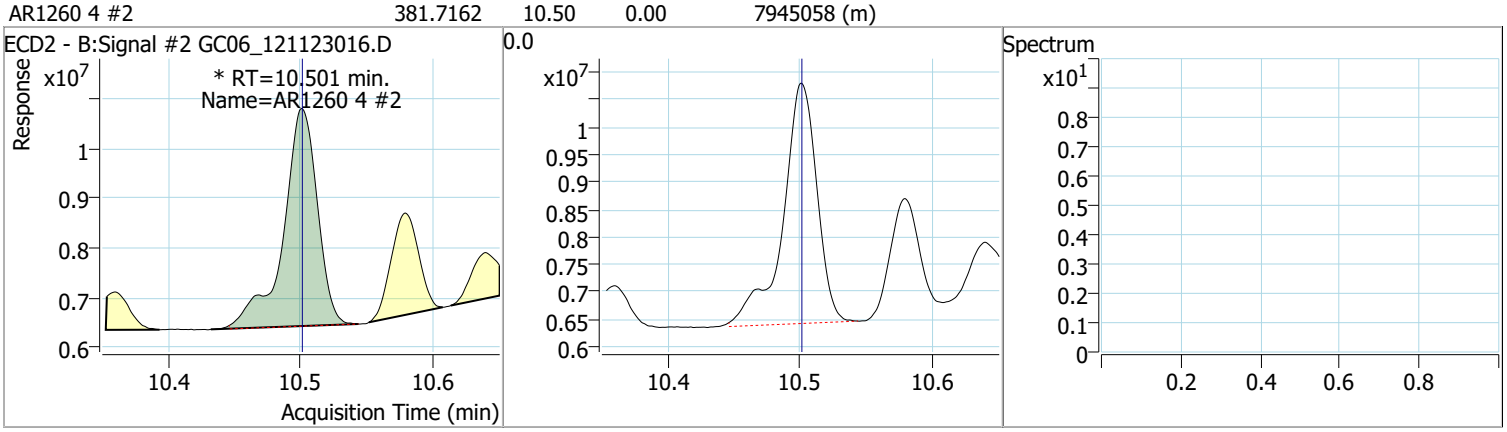

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 400.6092 | 10.04 | 0.00 | 13715264 | | | | |



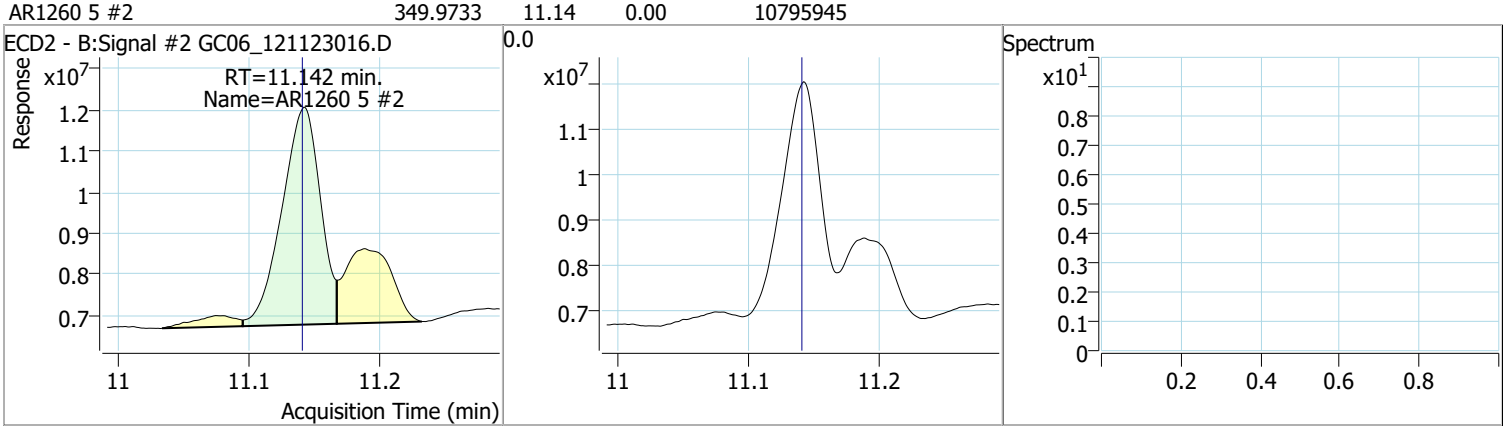

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 361.0614 | 10.28 | 0.00 | 4777094 | | | | |



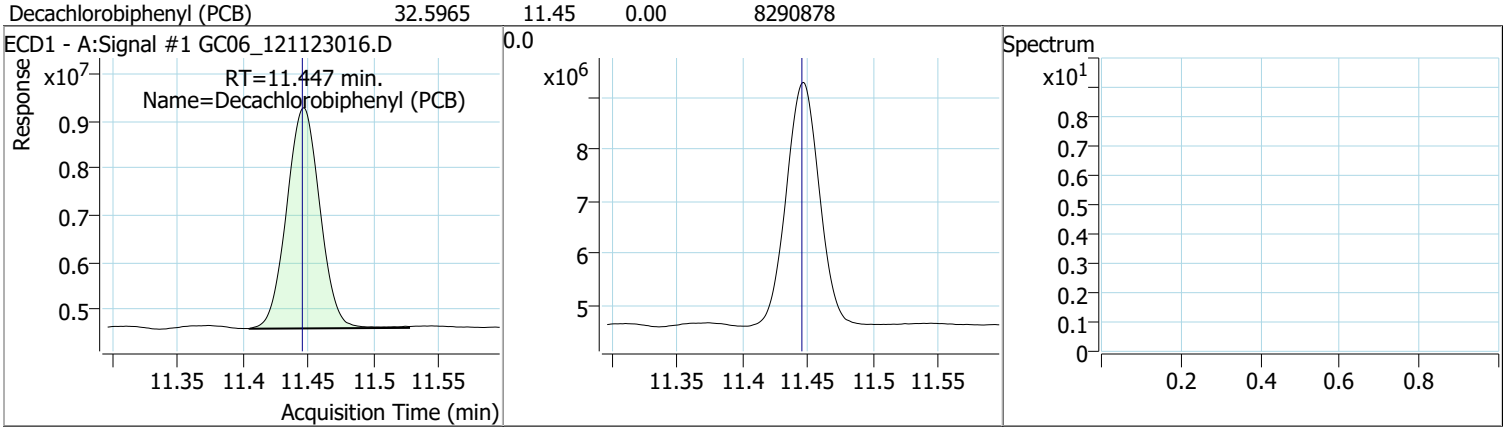
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 381.7162 | 10.50 | 0.00 | 7945058 (m) | | | | |



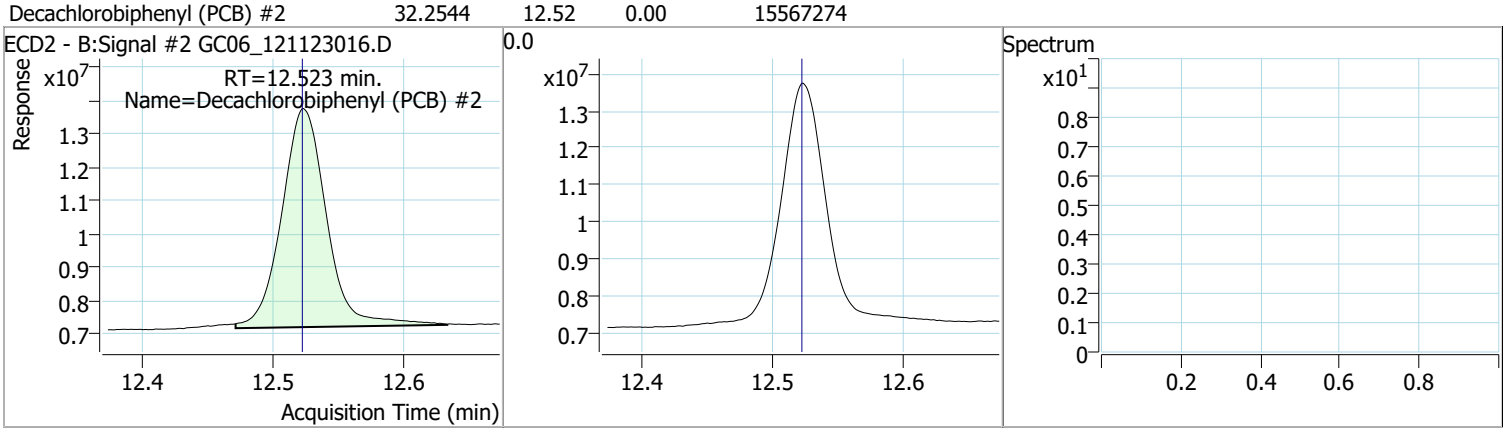

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 349.9733 | 11.14 | 0.00 | 10795945 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 32.5965 | 11.45 | 0.00 | 8290878 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 32.2544 | 12.52 | 0.00 | 15567274 | | | | |



**Initial Calibration Raw Data**

ENTHALPY INITIAL CALIBRATION FOR 497480 PCBS Wipe: EPA 8082

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

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

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

ENTHALPY INITIAL CALIBRATION FOR 497480 PCBS Wipe: EPA 8082

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

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

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

ENTHALPY INITIAL CALIBRATION FOR 497480 PCBS Wipe: EPA 8082

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

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

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

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

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

**Analyst:** TRN 10/16/23 *

**Reviewer:** MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 497480 PCBS Wipe

EPA 8082

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

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

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

-

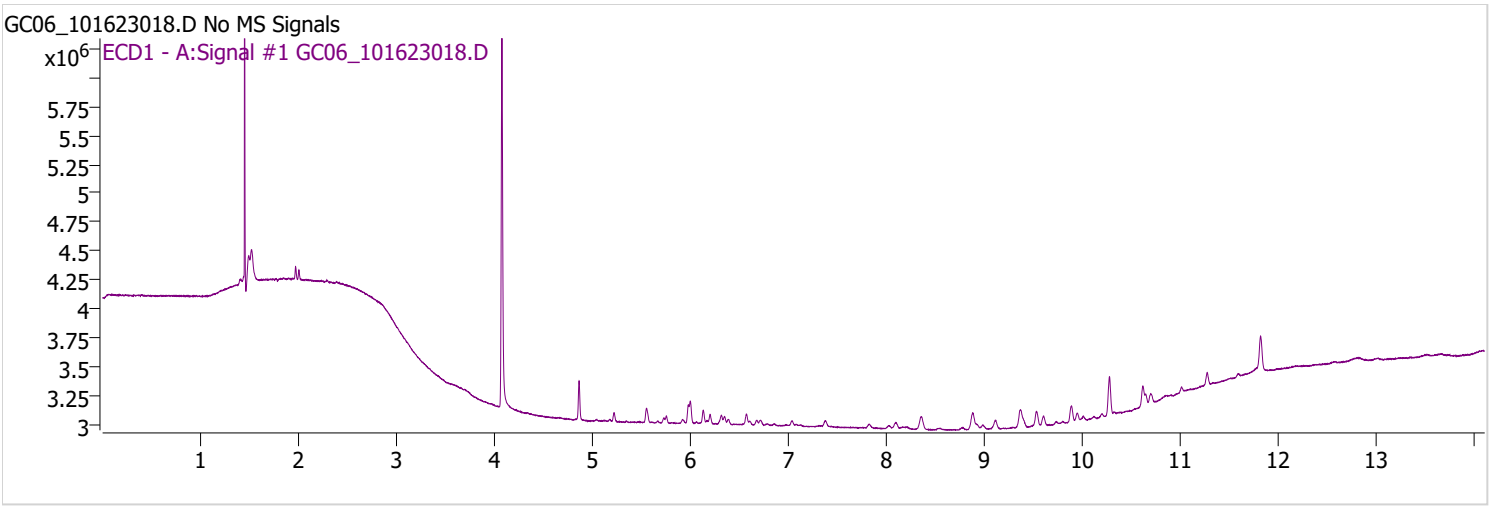
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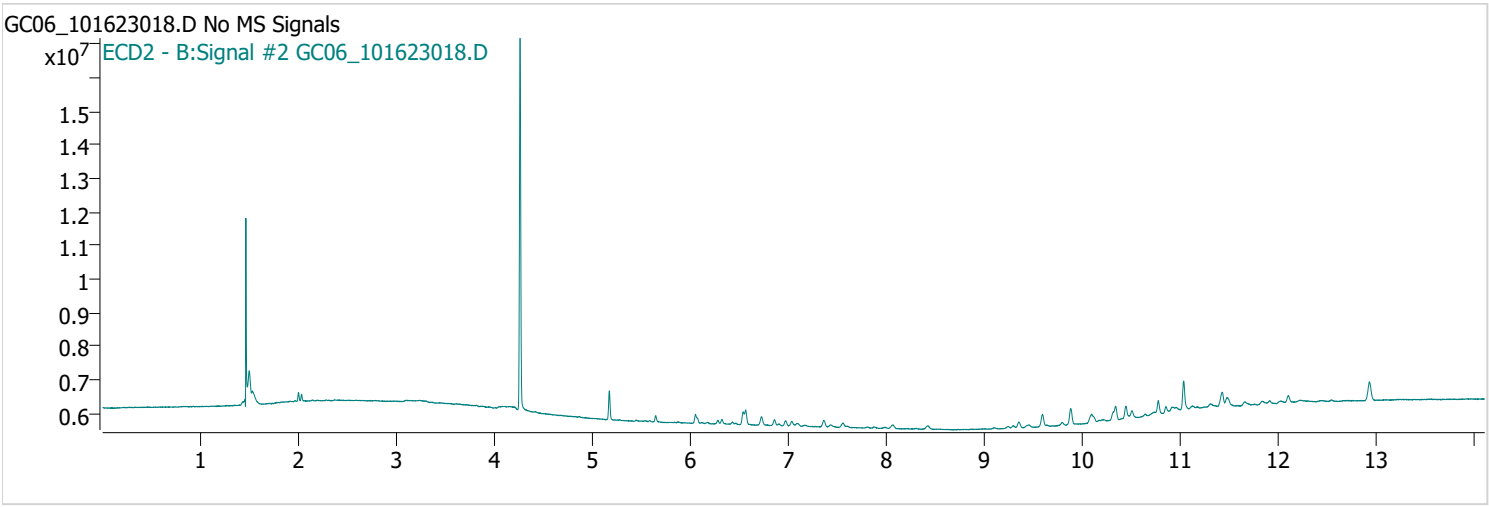
**Analyst:** TRN 10/16/23 *

**Reviewer:** MTS 10/17/23

# Quantitation Results Report (Not Reviewed)

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



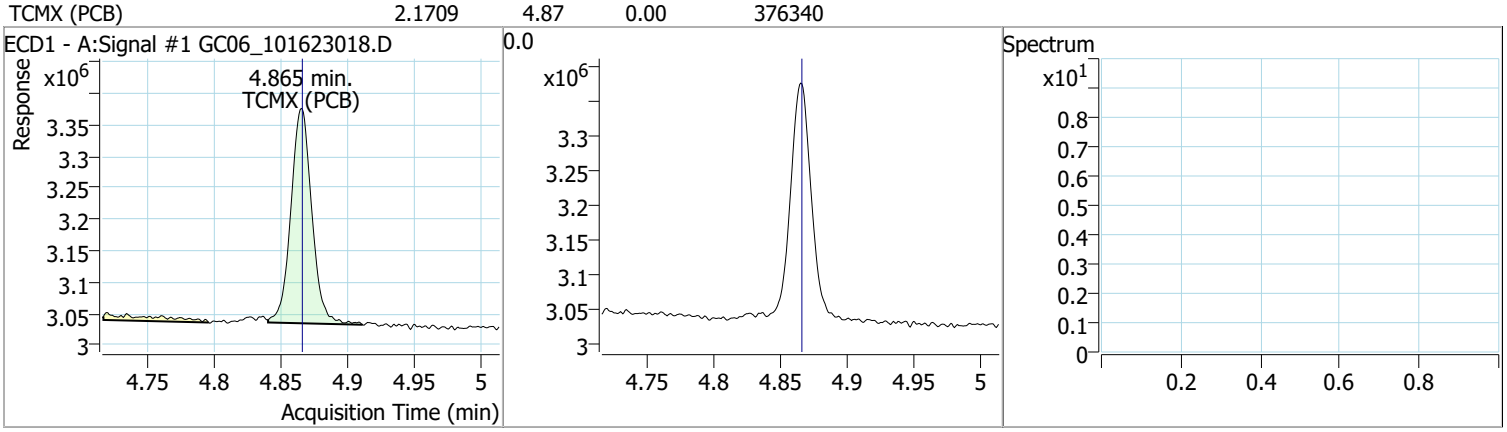




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.078 | 0.0 | 3484313.563 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 10117925.056 | 20.0000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

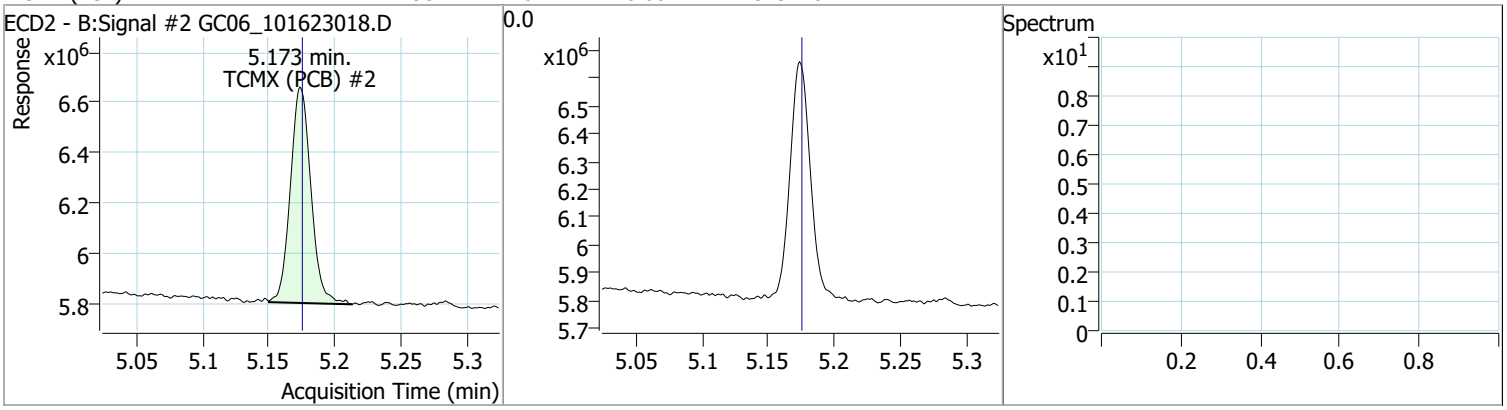
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 #2 | 5.648 | 0.0 | 242853.636 | 25.9571 | ng/ml | | 100 |
| T AR1016 3 | 6.000 | 0.0 | 276736.403 | 28.5221 | ng/ml | m | 100 |
| T AR1016 2 #2 | 6.053 | 0.0 | 508120.900 | 26.0240 | ng/ml | |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

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

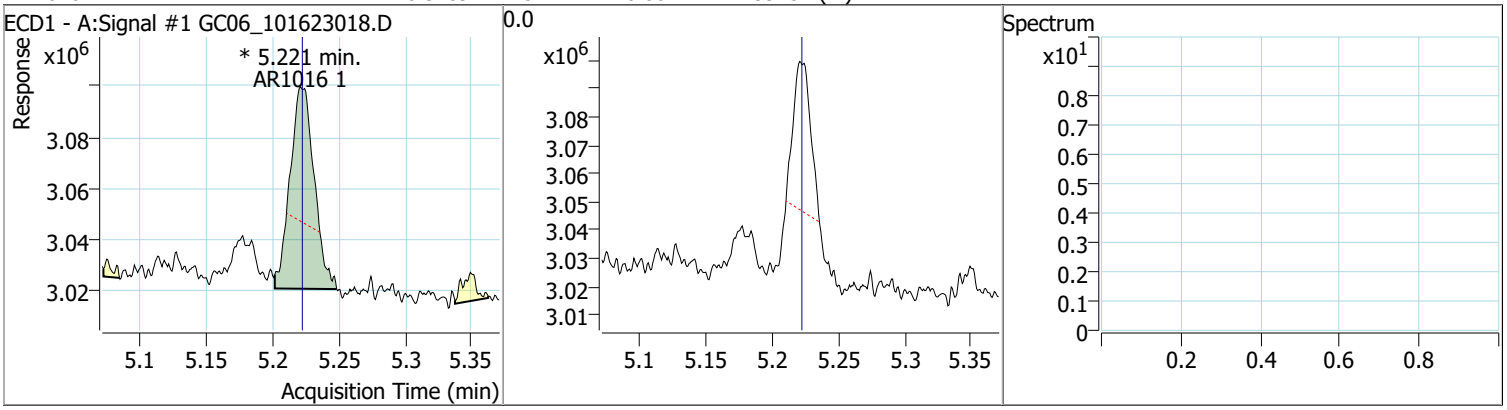
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 2.1709 | 4.87 | 0.00 | 376340 | | | | |



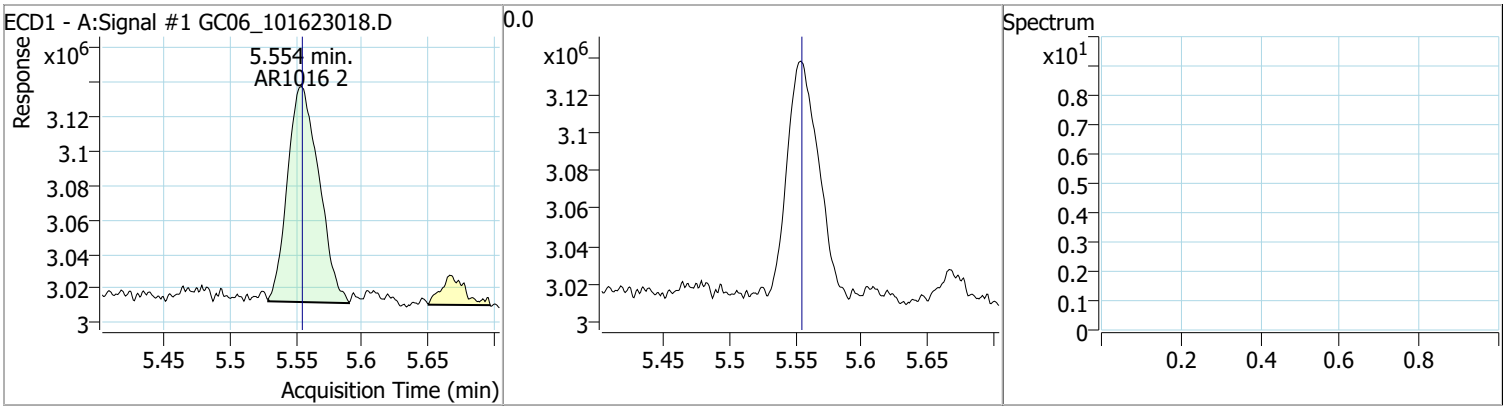

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 1.9542 | 5.17 | 0.00 | 929448 | | | | |



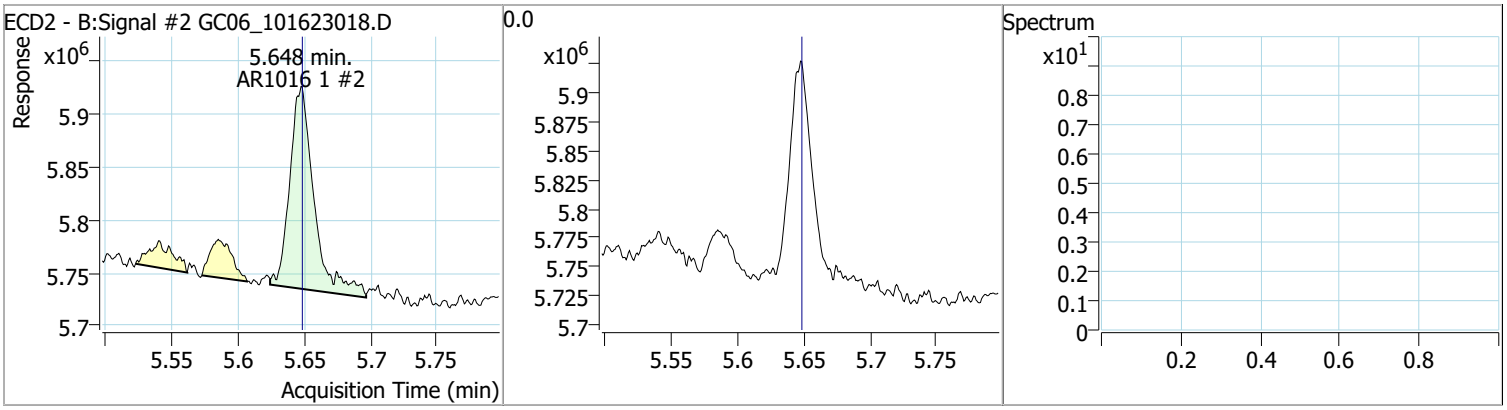

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 26.3789 | 5.22 | 0.00 | 99757 (m) | | | | |



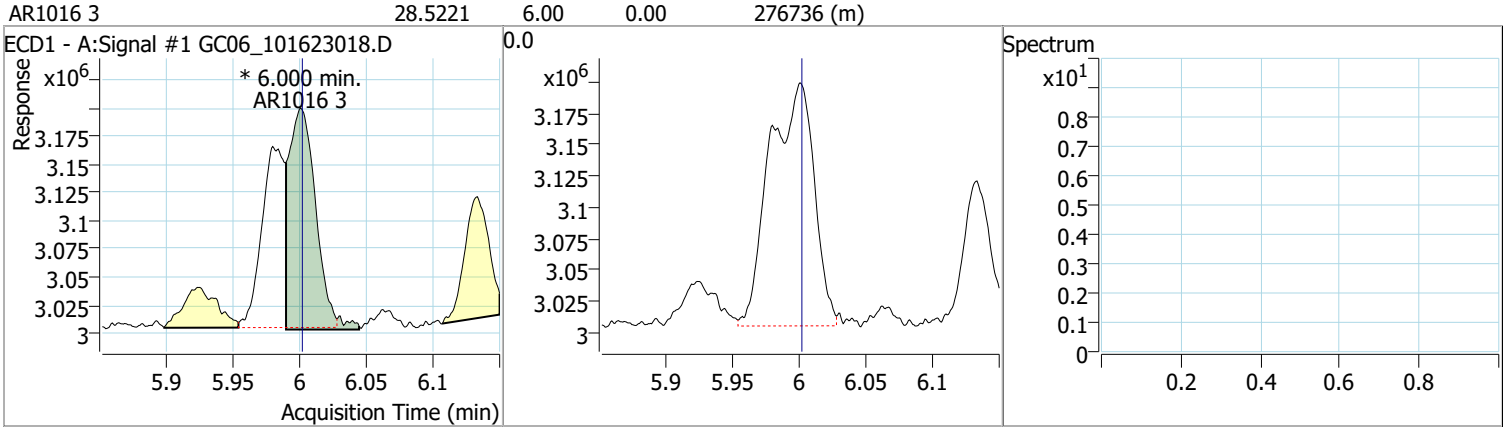

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 27.3667 | 5.55 | 0.00 | 207721 | | | | |



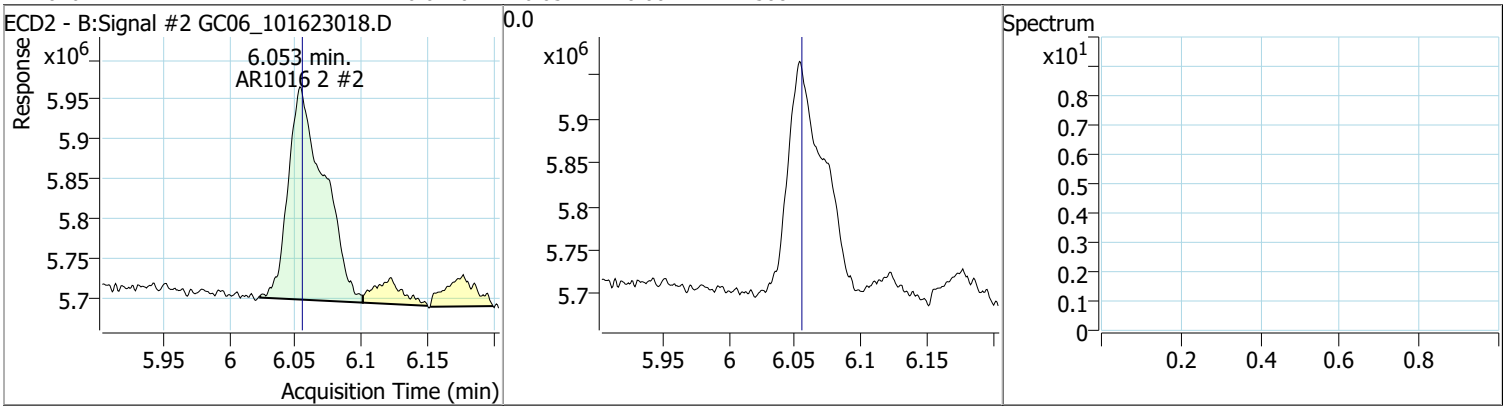
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 25.9571 | 5.65 | 0.00 | 242854 | | | | |



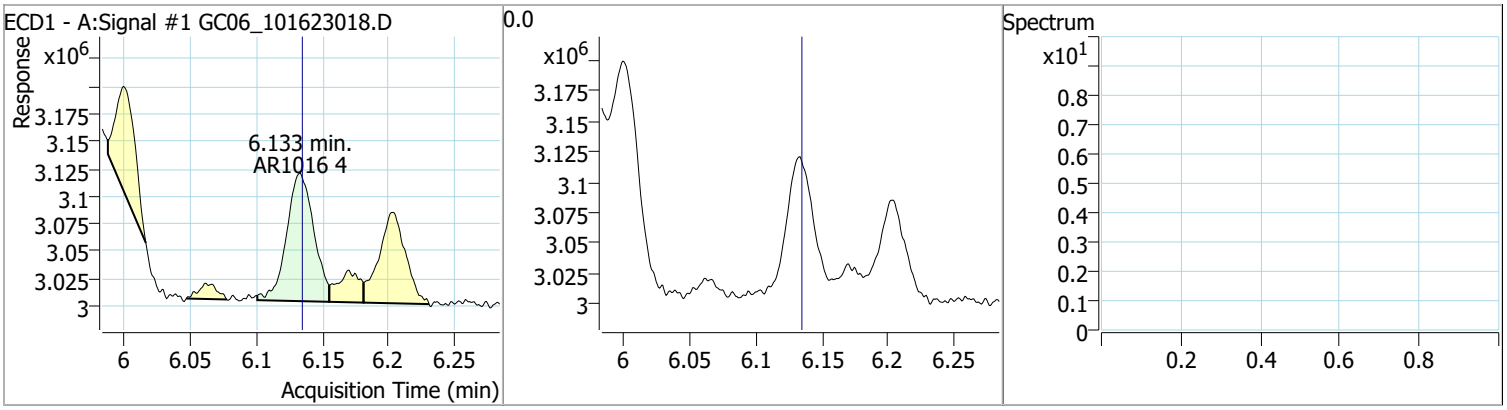

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 28.5221 | 6.00 | 0.00 | 276736 (m) | | | | |



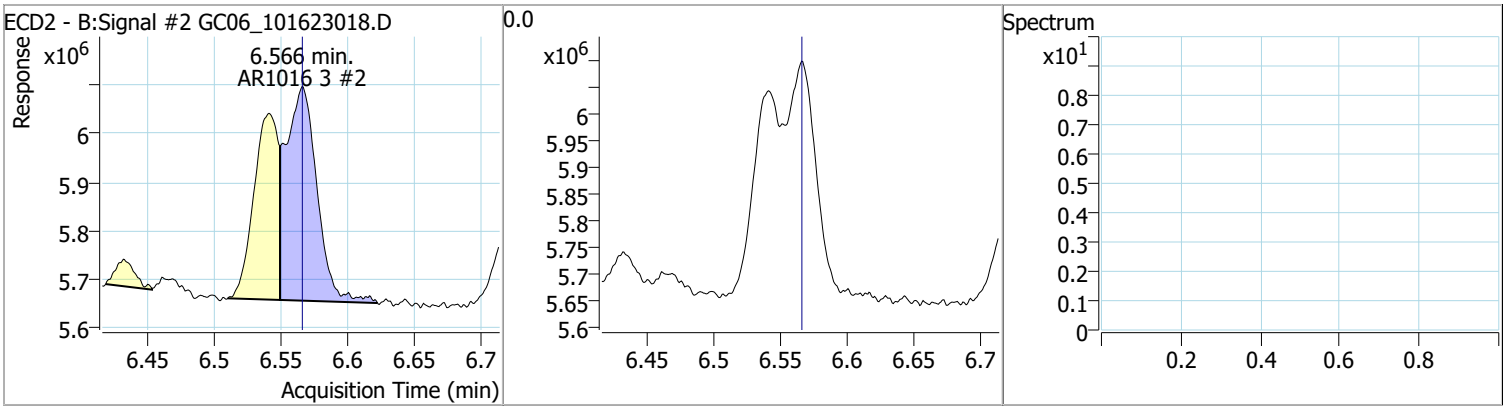

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 26.0240 | 6.05 | 0.00 | 508121 | | | | |



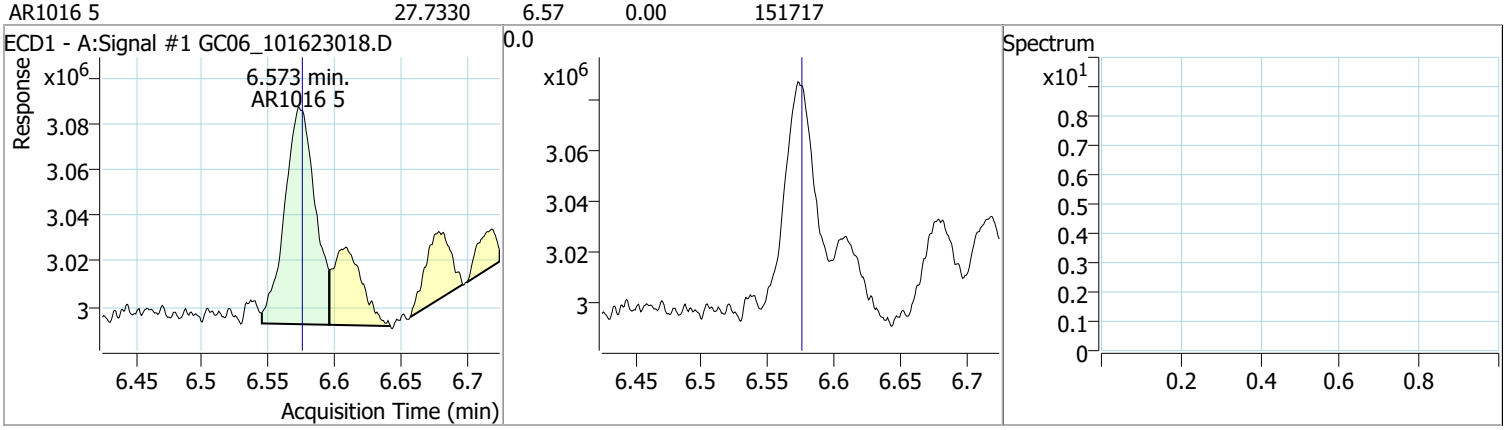

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 27.2258 | 6.13 | 0.00 | 165514 | | | | |



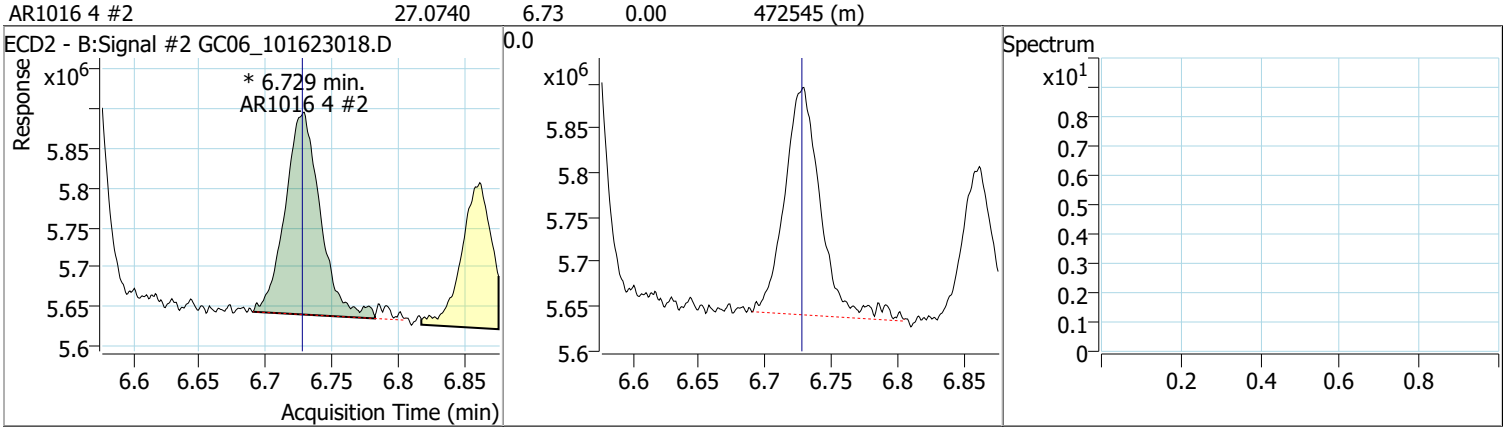
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 27.6453 | 6.57 | 0.00 | 718266 | | | | |



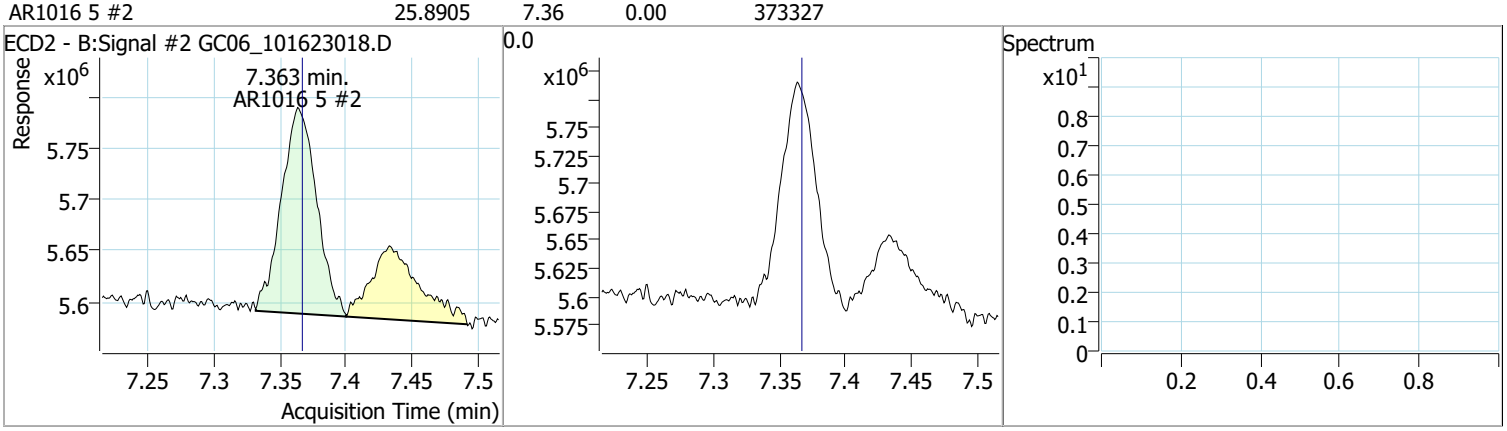

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 27.7330 | 6.57 | 0.00 | 151717 | | | | |



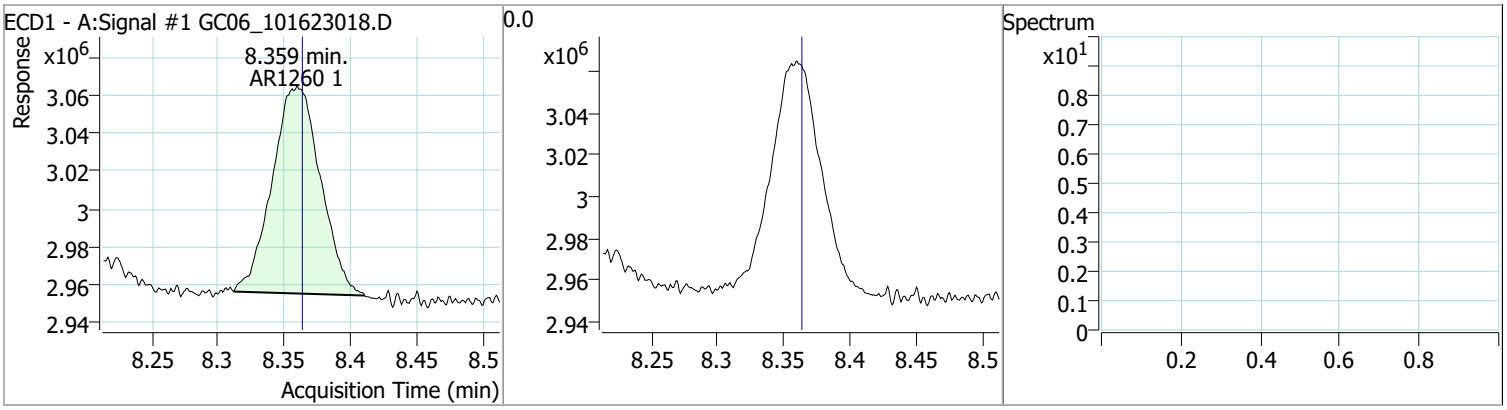

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 27.0740 | 6.73 | 0.00 | 472545 (m) | | | | |



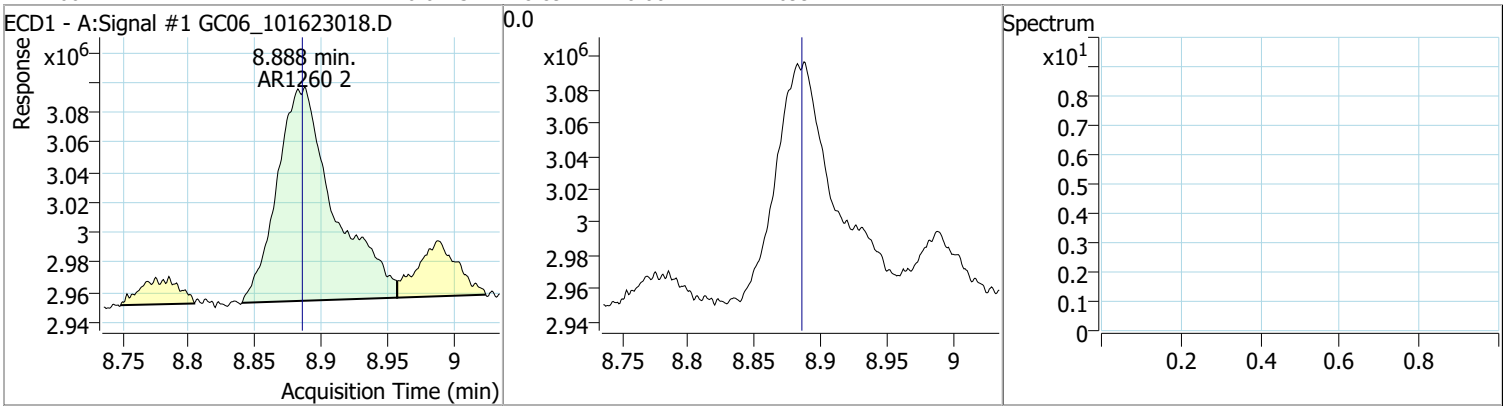

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 25.8905 | 7.36 | 0.00 | 373327 | | | | |



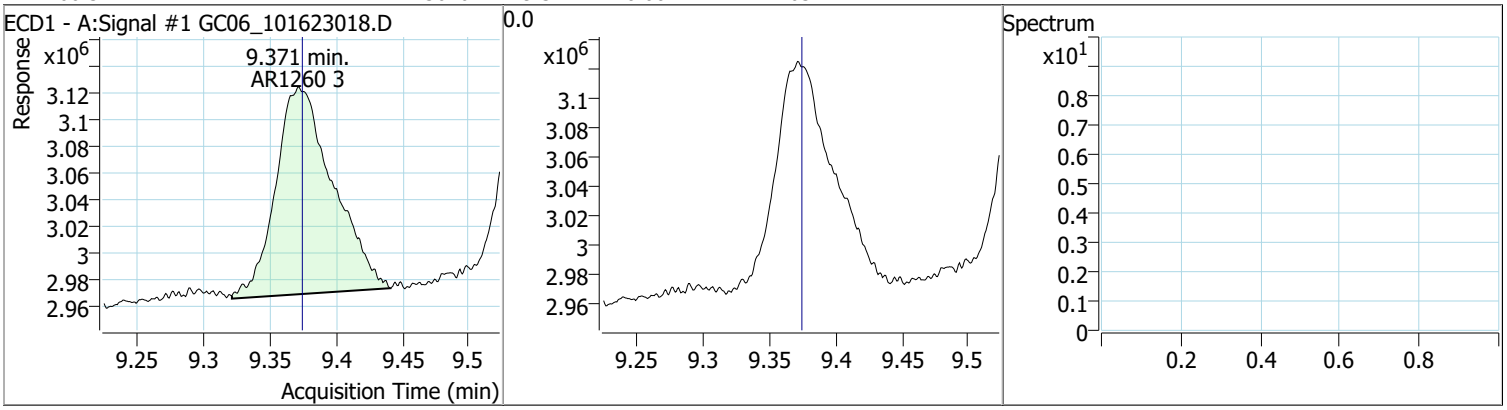
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 26.3219 | 8.36 | 0.00 | 277287 | | | | |



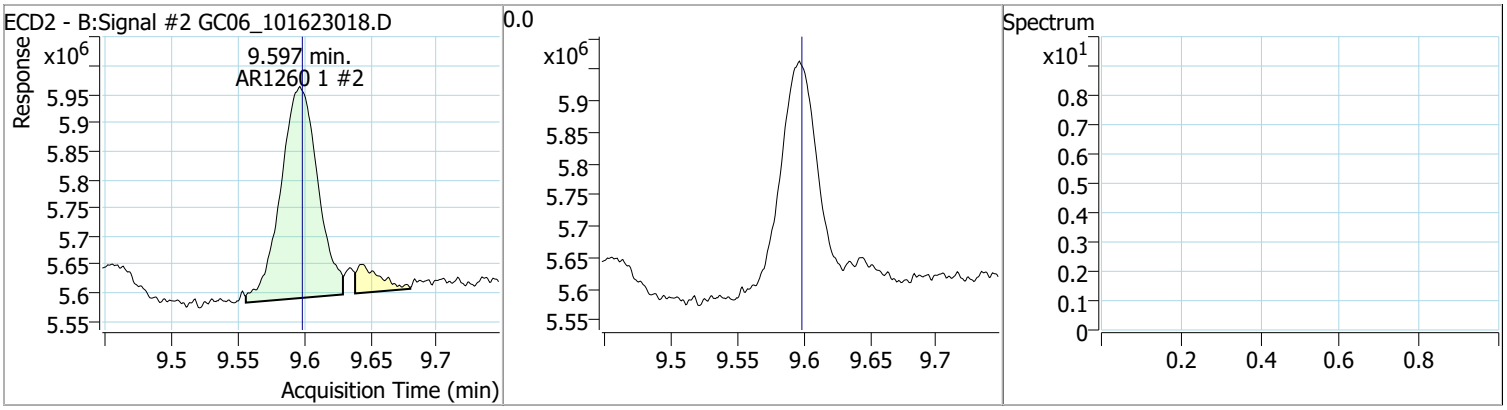

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 26.0123 | 8.89 | 0.00 | 426994 | | | | |



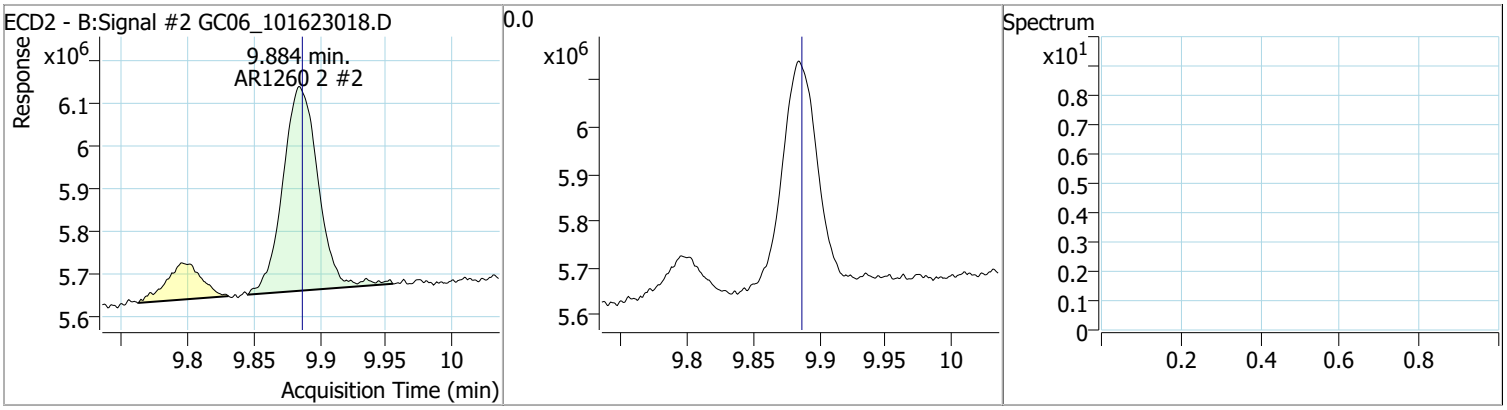

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 27.3616 | 9.37 | 0.00 | 471631 | | | | |



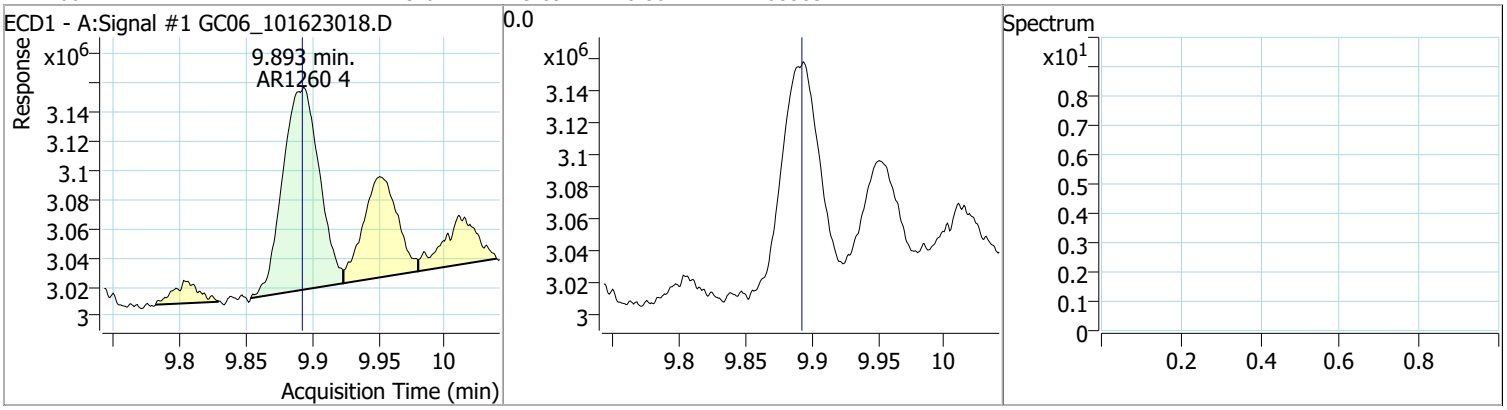

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 27.1584 | 9.60 | 0.00 | 727500 | | | | |



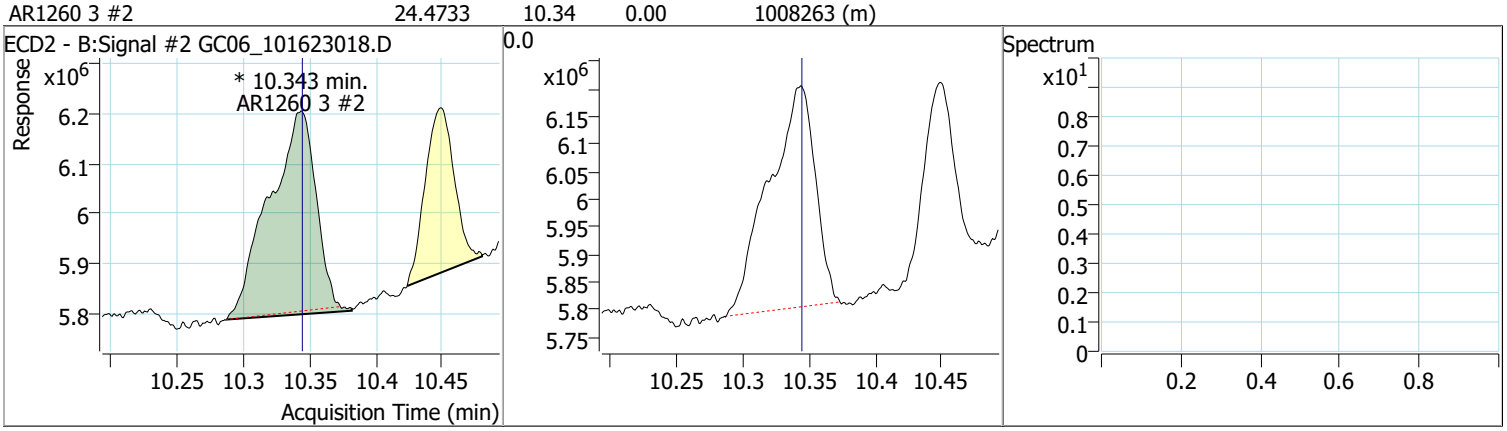
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 27.7421 | 9.88 | 0.00 | 896593 | | | | |



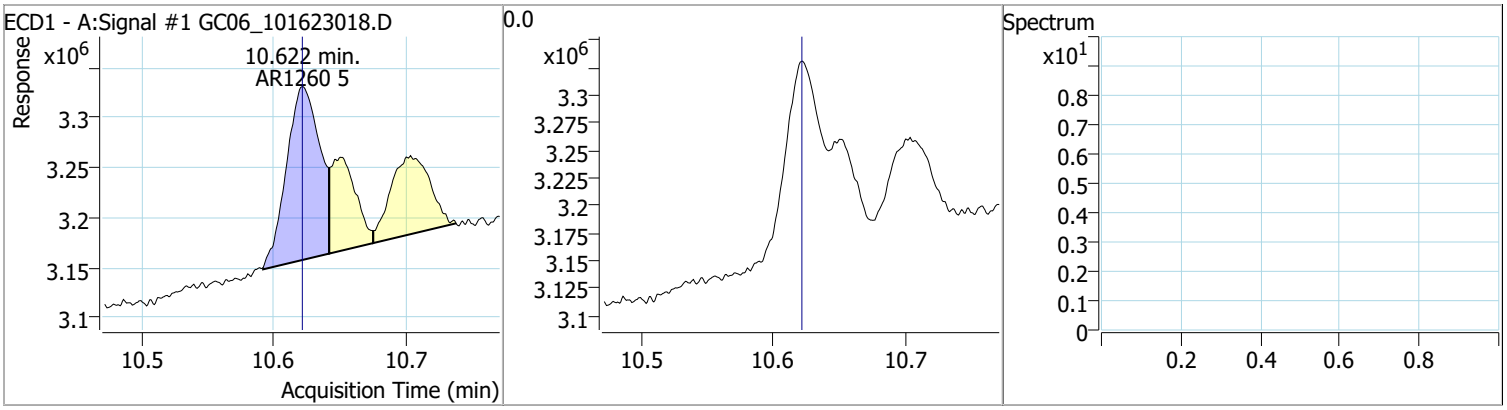

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 29.6424 | 9.89 | 0.00 | 268583 | | | | |



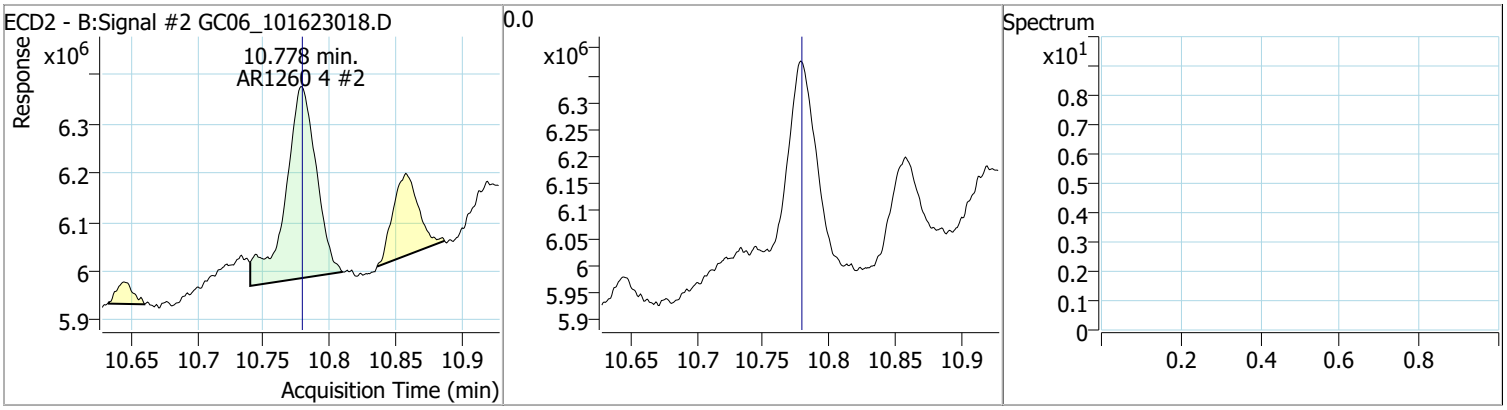

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 24.4733 | 10.34 | 0.00 | 1008263 (m) | | | | |



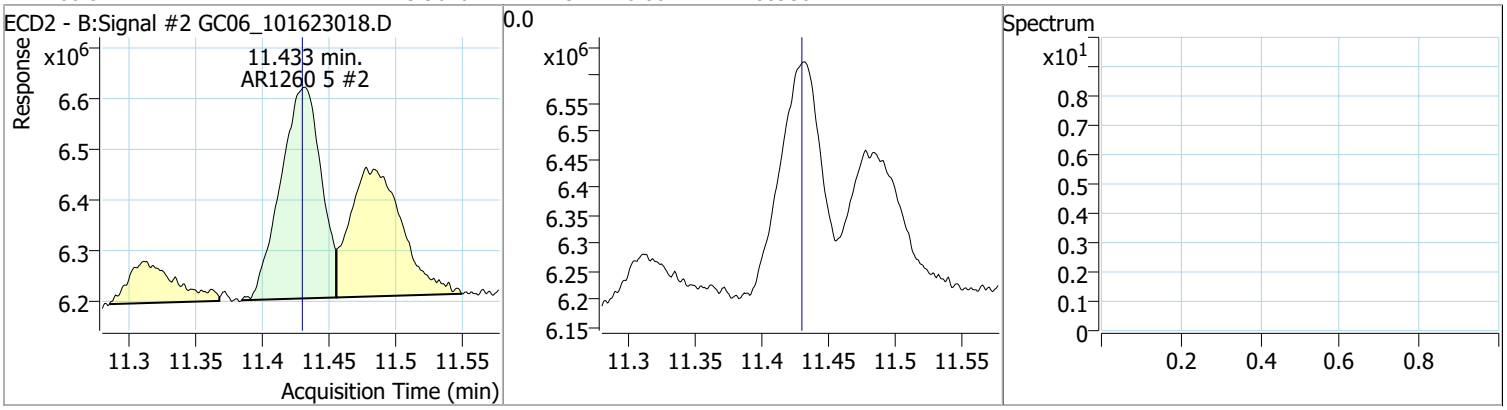

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 26.2181 | 10.62 | 0.00 | 303132 | | | | |



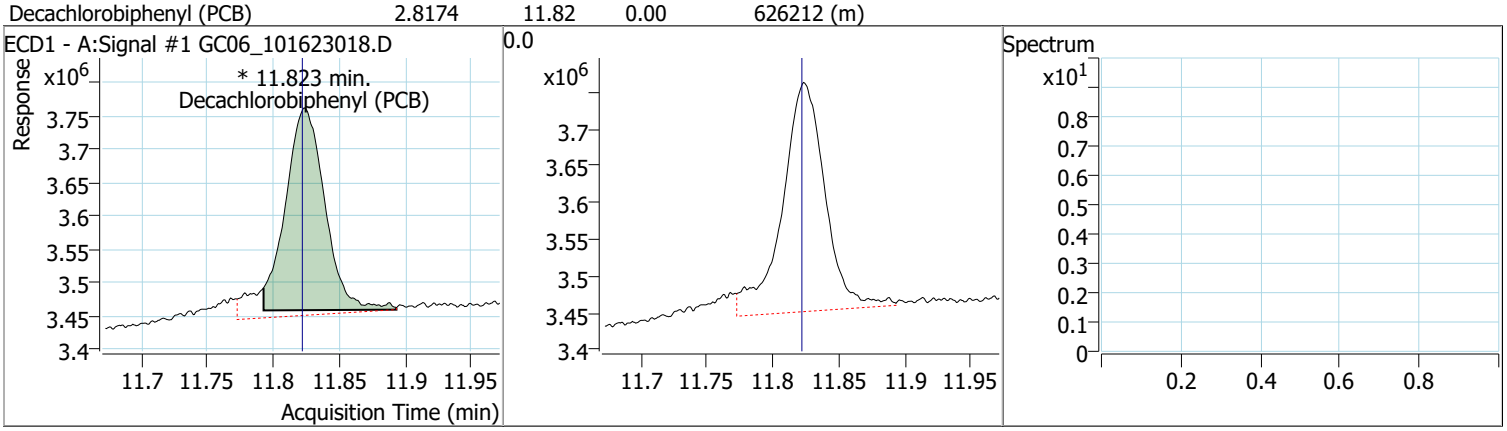
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 25.2543 | 10.78 | 0.00 | 632542 | | | | |



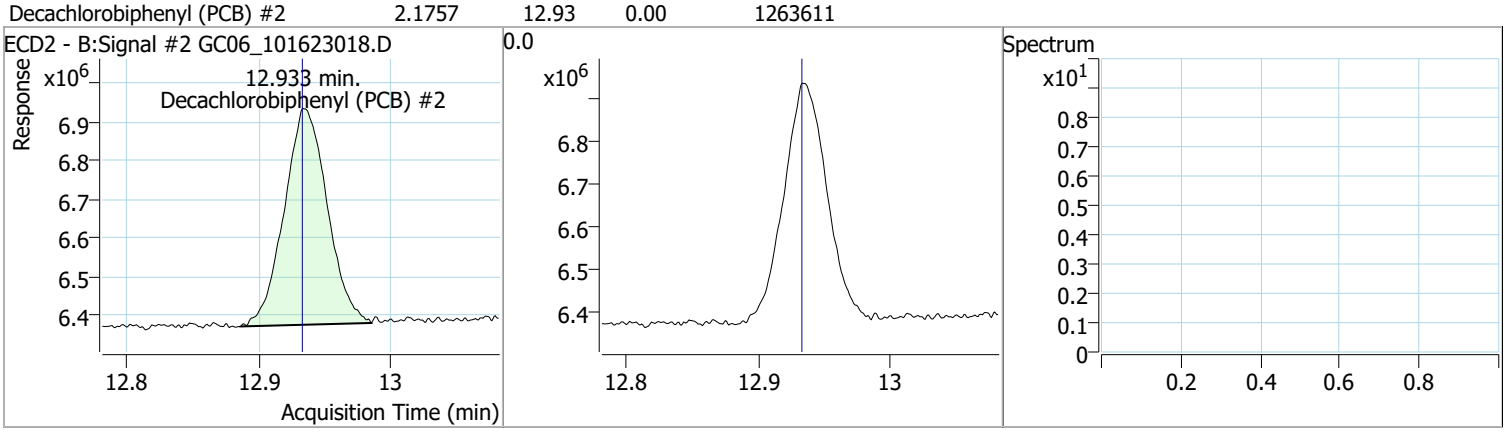

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 23.9620 | 11.43 | 0.00 | 889502 | | | | |




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

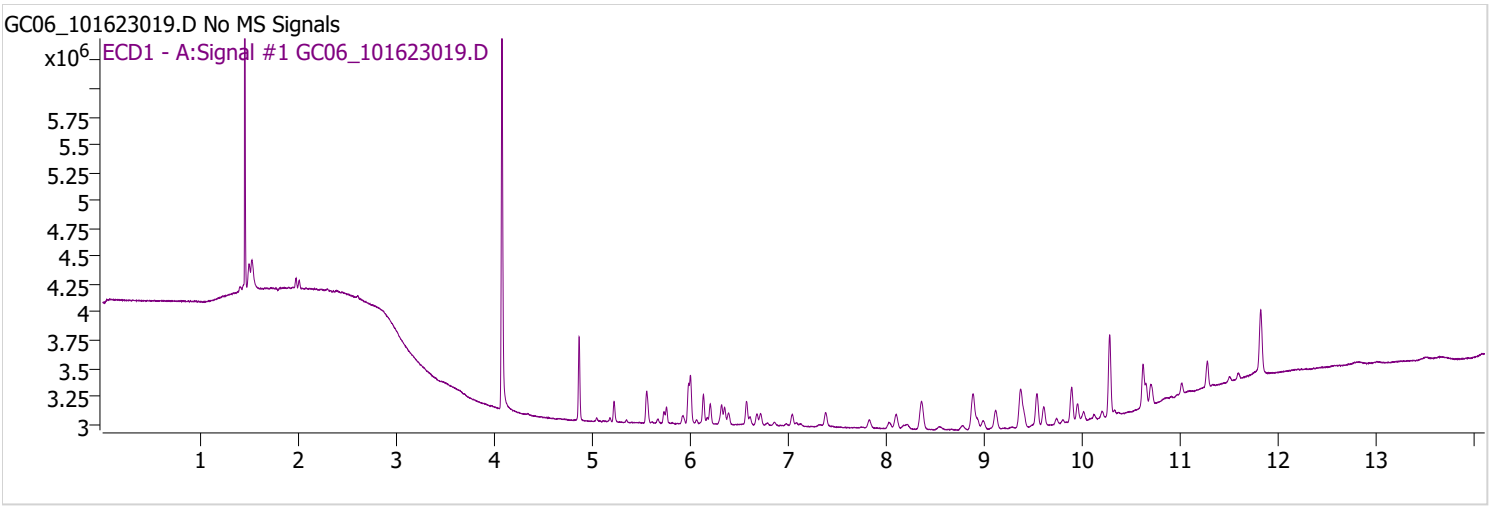


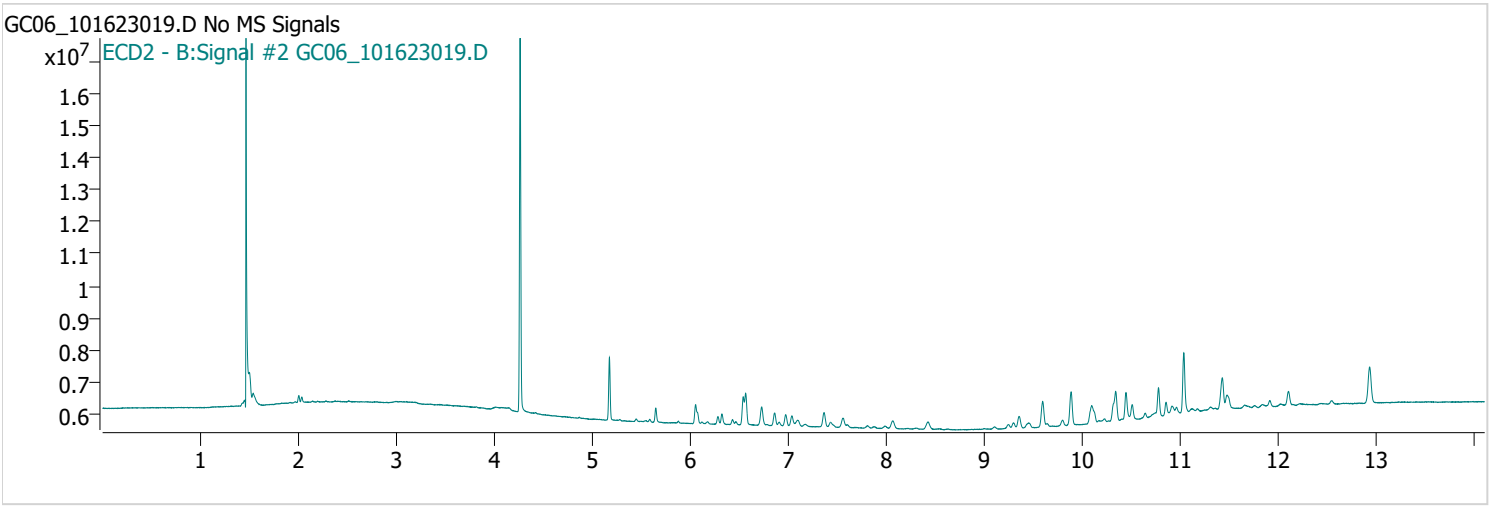

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 2.1757 | 12.93 | 0.00 | 1263611 | | | | |



# Quantitation Results Report (Not Reviewed)

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



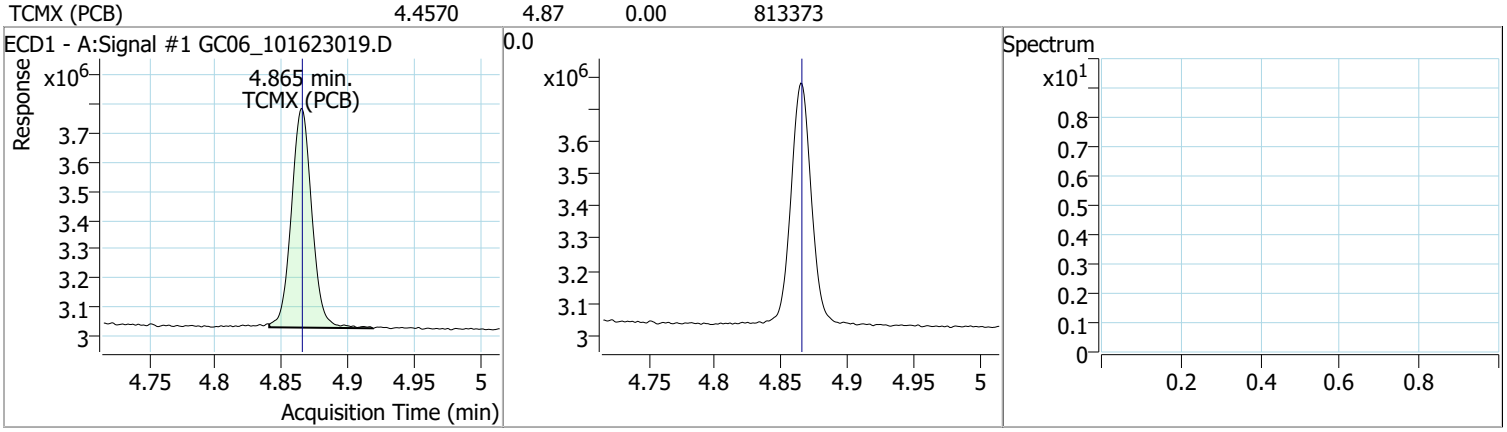




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.078 | 0.0 | 3667875.445 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 10693235.598 | 20.0000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

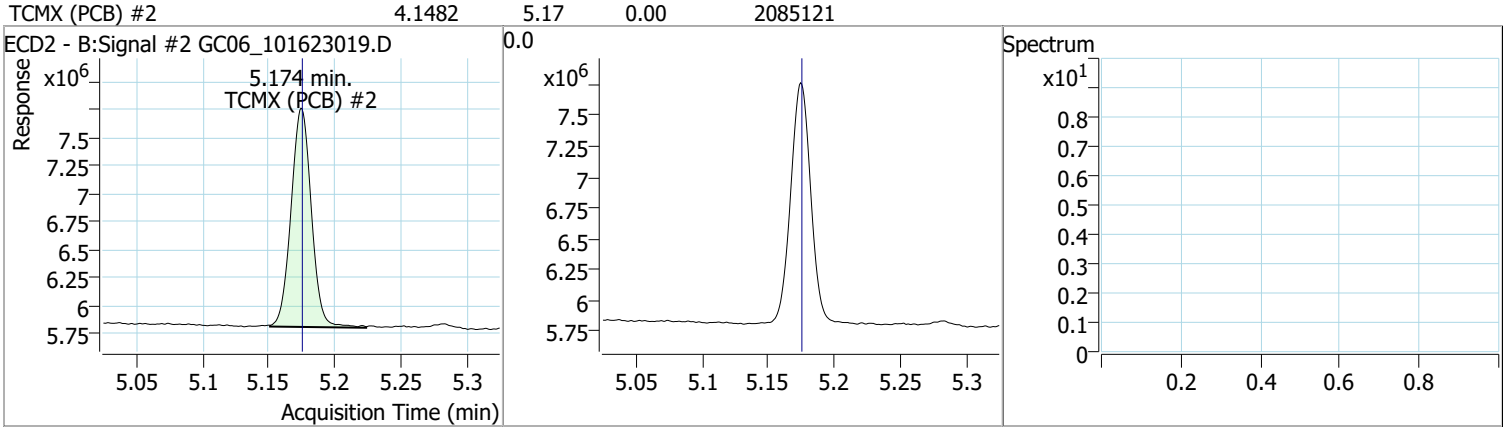
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 2 | 5.556 | 0.0 | 465093.527 | 58.2083 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.648 | 0.0 | 547231.083 | 55.3433 | ng/ml | | 100 |
| T AR1016 3 | 6.002 | 0.0 | 647648.301 | 63.4098 | ng/ml | m | 100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

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

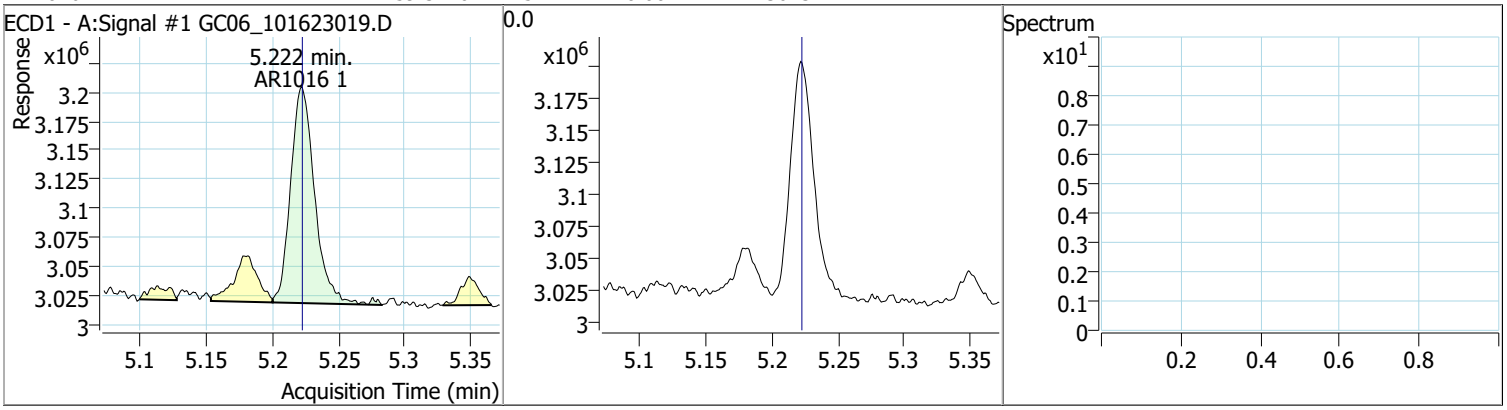
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 4.4570 | 4.87 | 0.00 | 813373 | | | | |



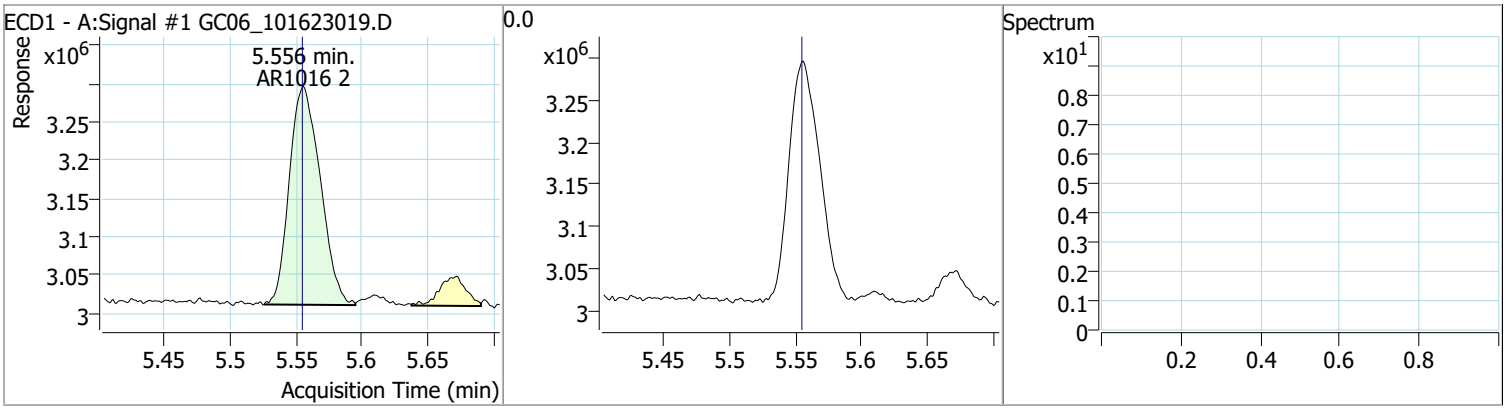

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 4.1482 | 5.17 | 0.00 | 2085121 | | | | |



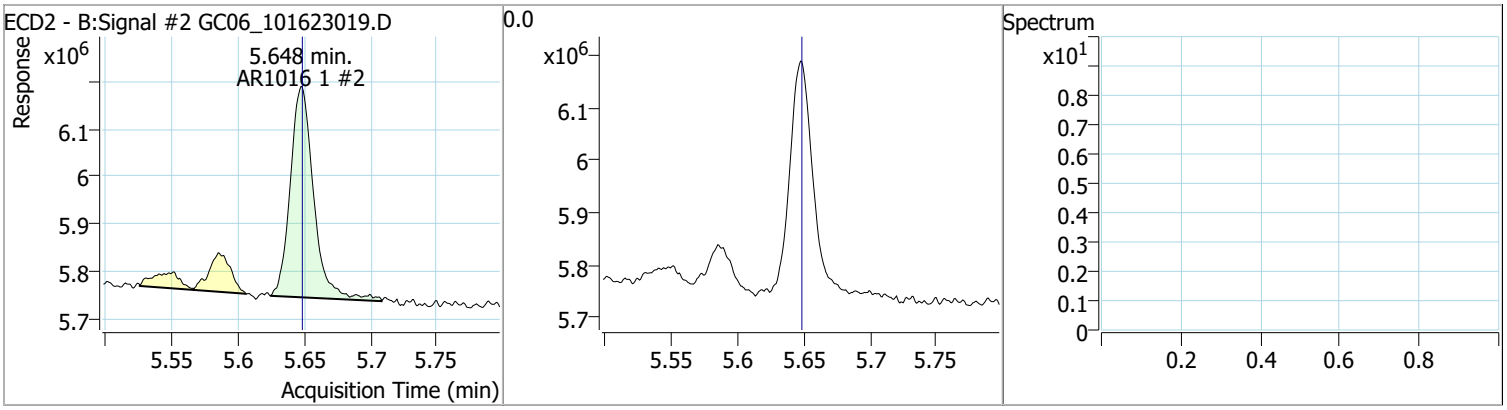

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 59.3420 | 5.22 | 0.00 | 236237 | | | | |



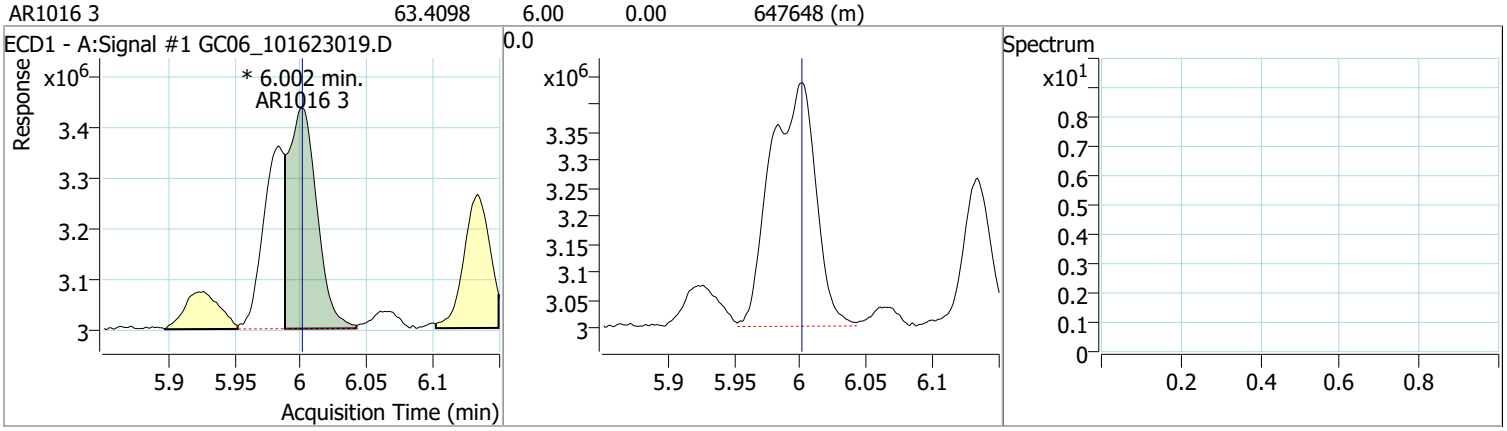

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 58.2083 | 5.56 | 0.00 | 465094 | | | | |



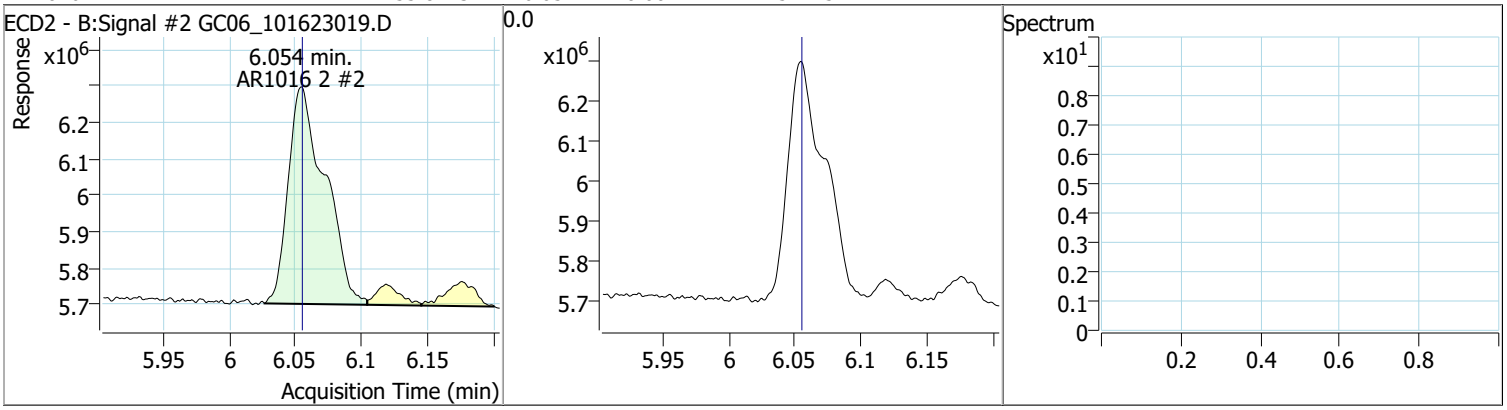
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 55.3433 | 5.65 | 0.00 | 547231 | | | | |



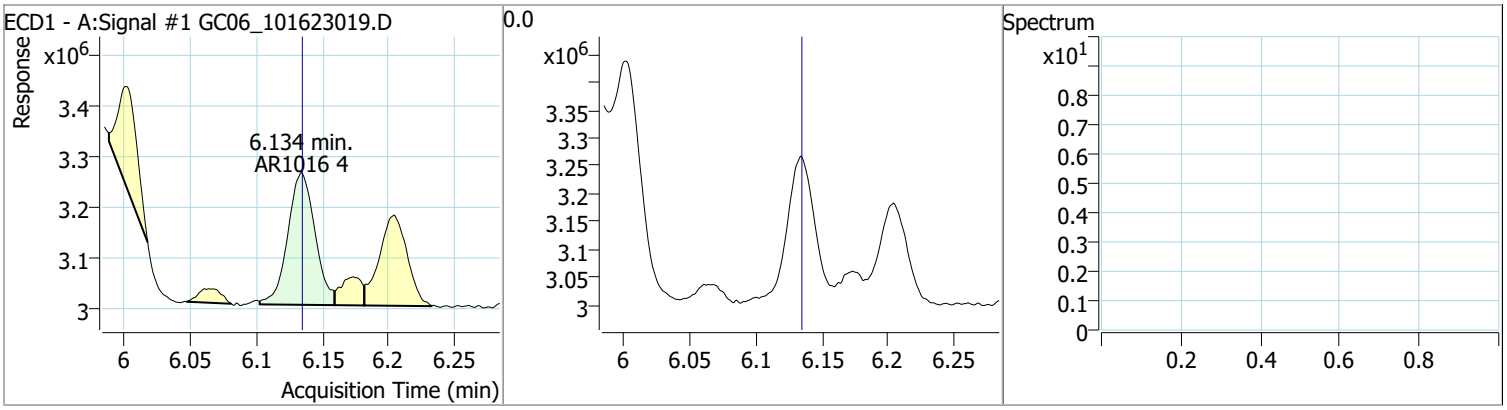

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 63.4098 | 6.00 | 0.00 | 647648 (m) | | | | |



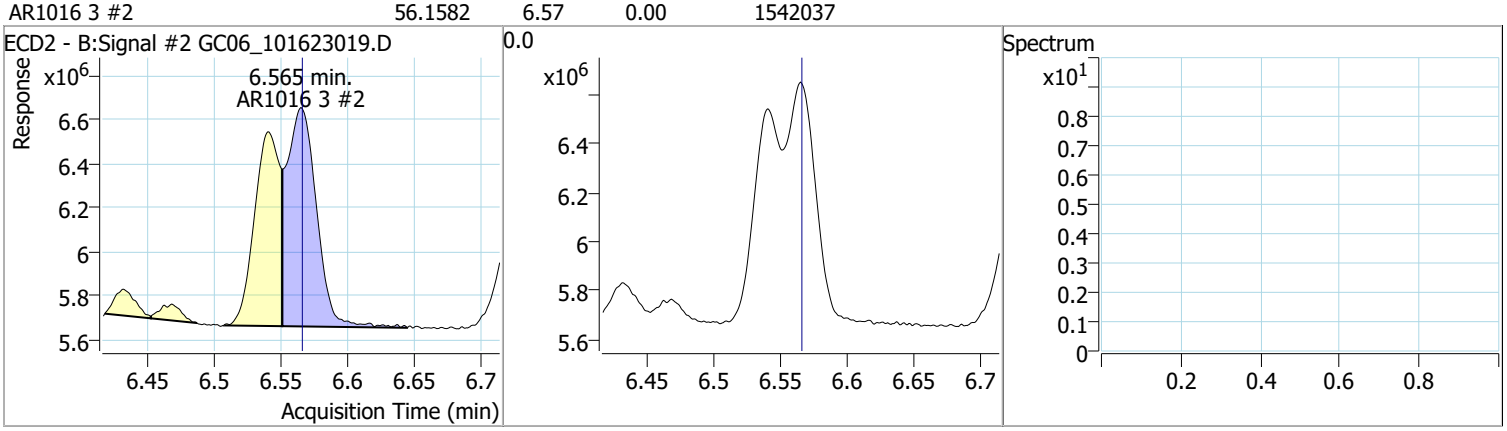

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 55.8143 | 6.05 | 0.00 | 1151745 | | | | |



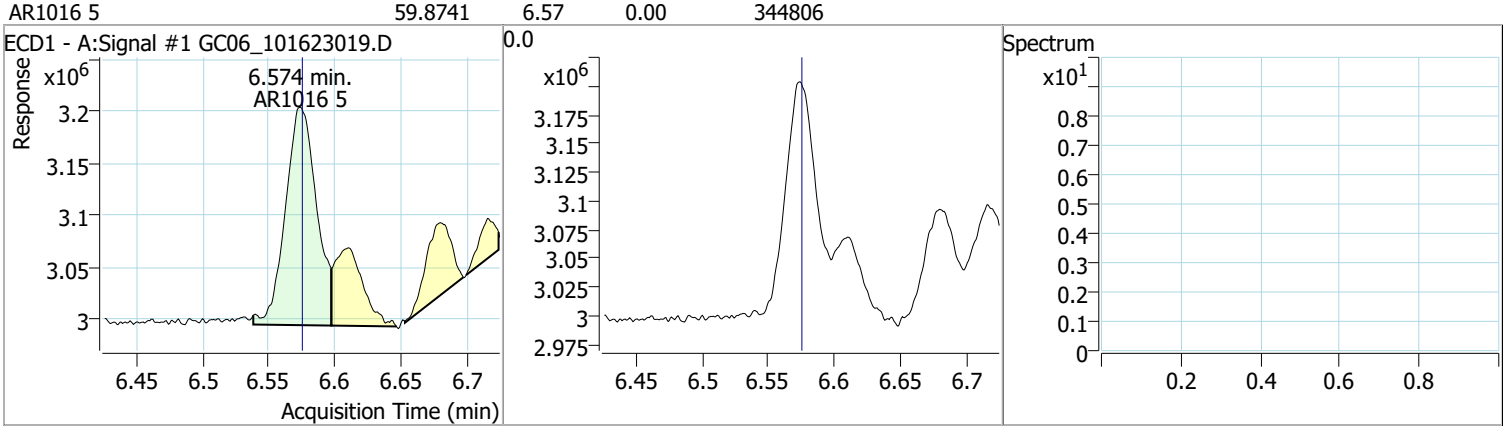

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 58.5801 | 6.13 | 0.00 | 374889 | | | | |



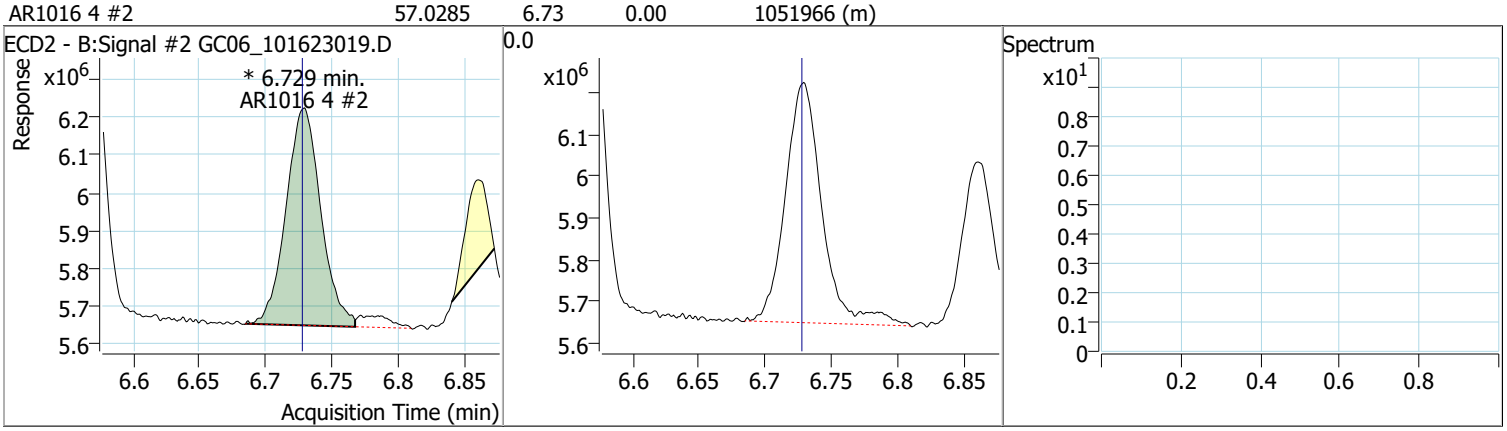
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 56.1582 | 6.57 | 0.00 | 1542037 | | | | |



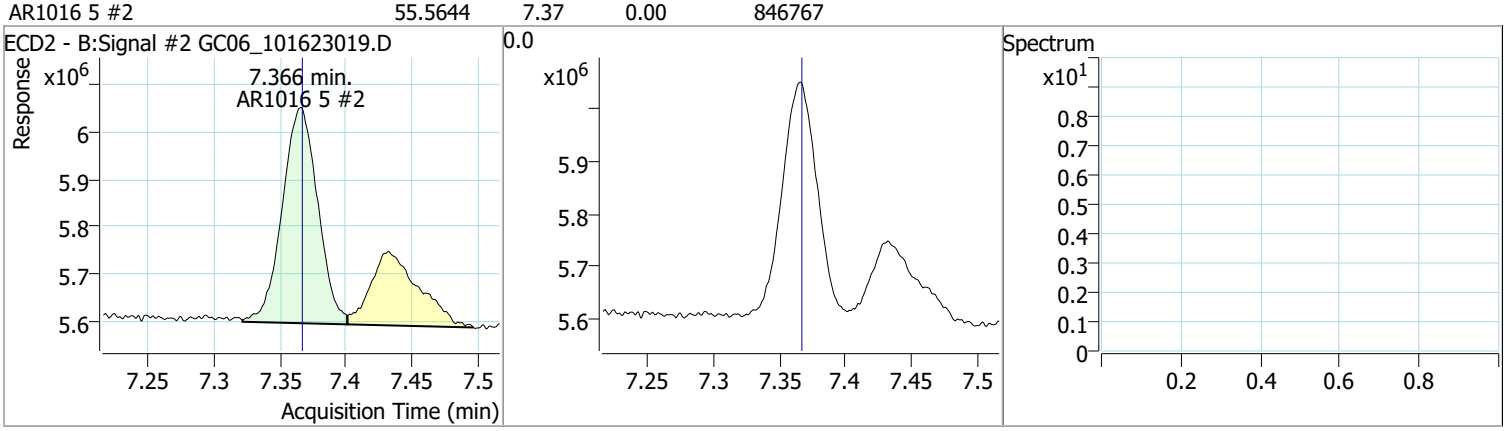

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 59.8741 | 6.57 | 0.00 | 344806 | | | | |



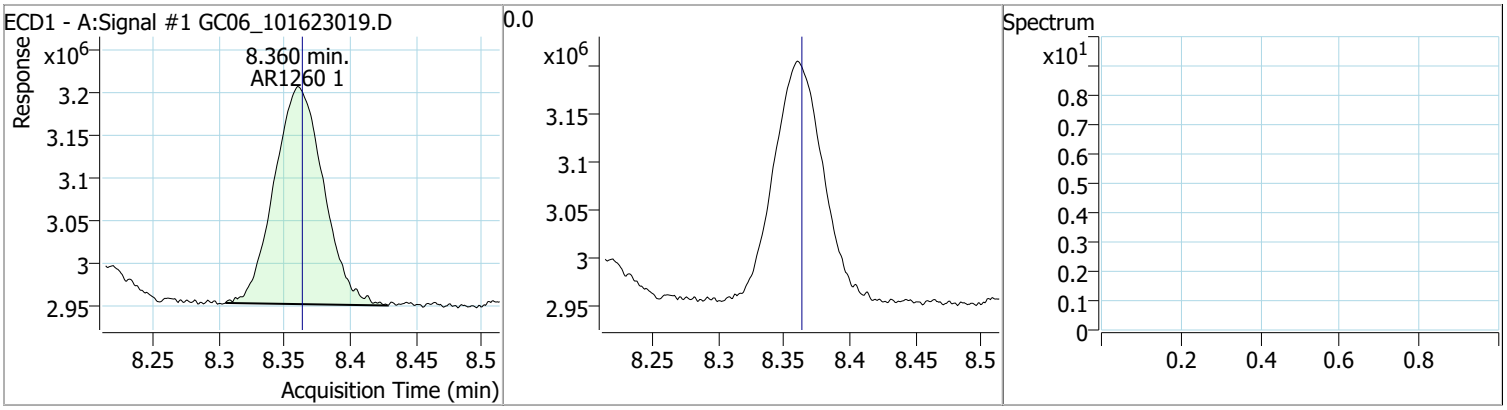

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 57.0285 | 6.73 | 0.00 | 1051966 (m) | | | | |



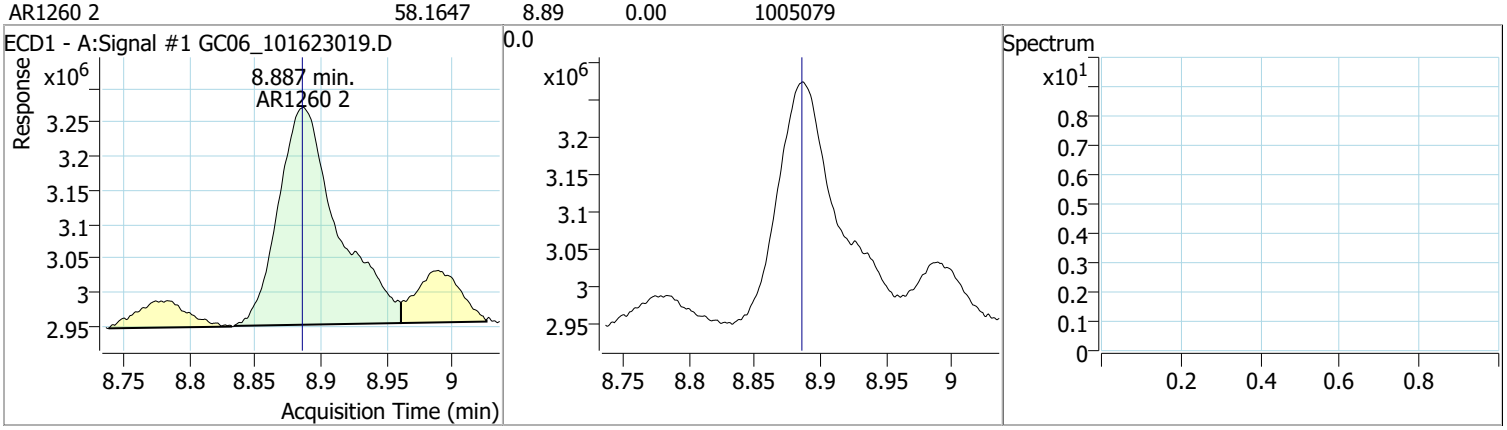

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 55.5644 | 7.37 | 0.00 | 846767 | | | | |



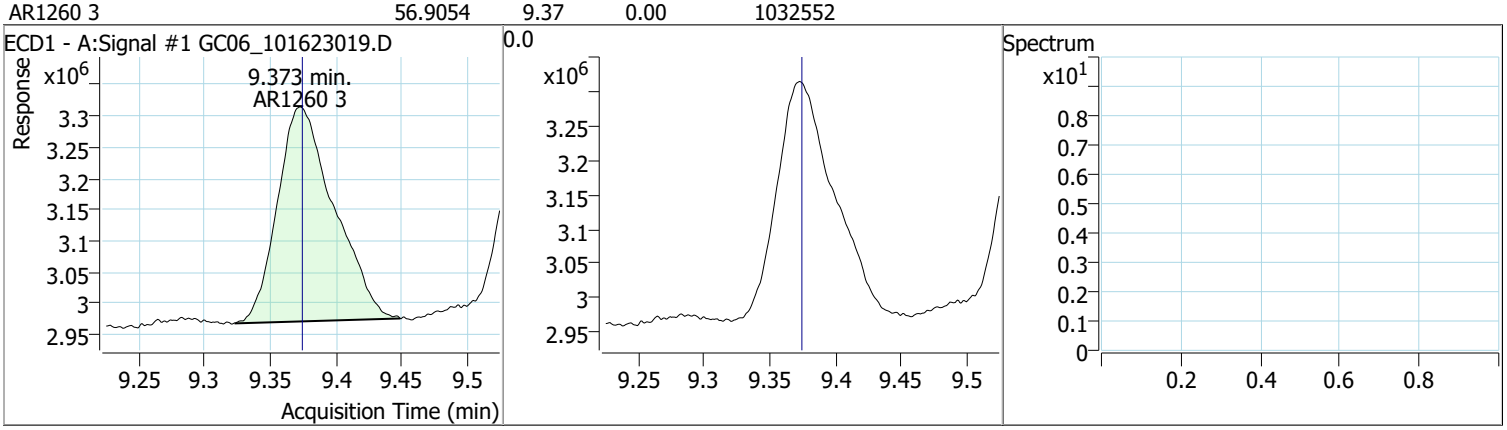
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 59.3519 | 8.36 | 0.00 | 658178 | | | | |



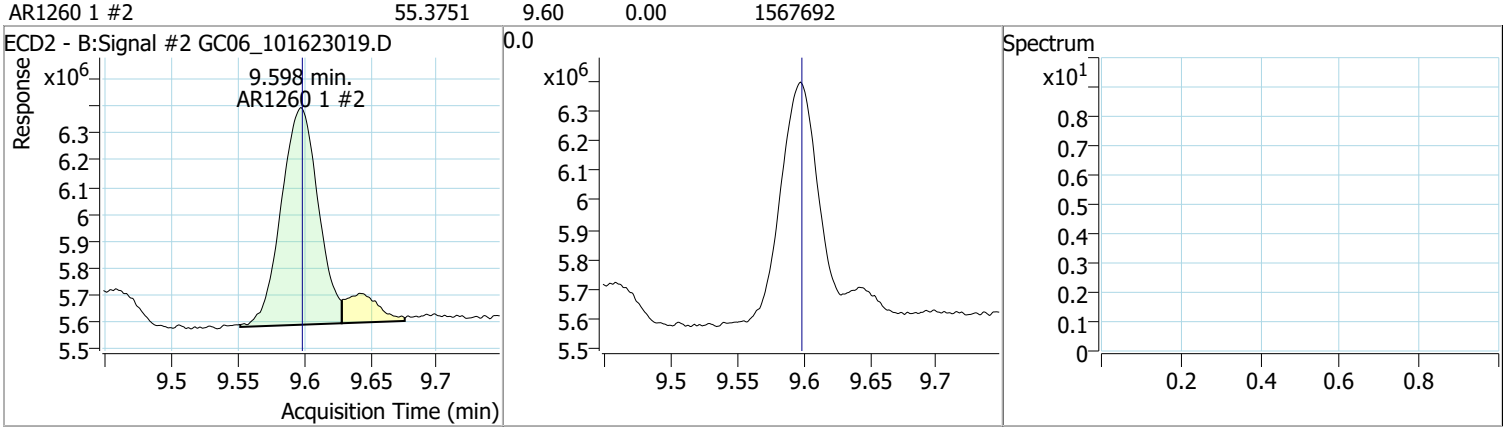

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 58.1647 | 8.89 | 0.00 | 1005079 | | | | |



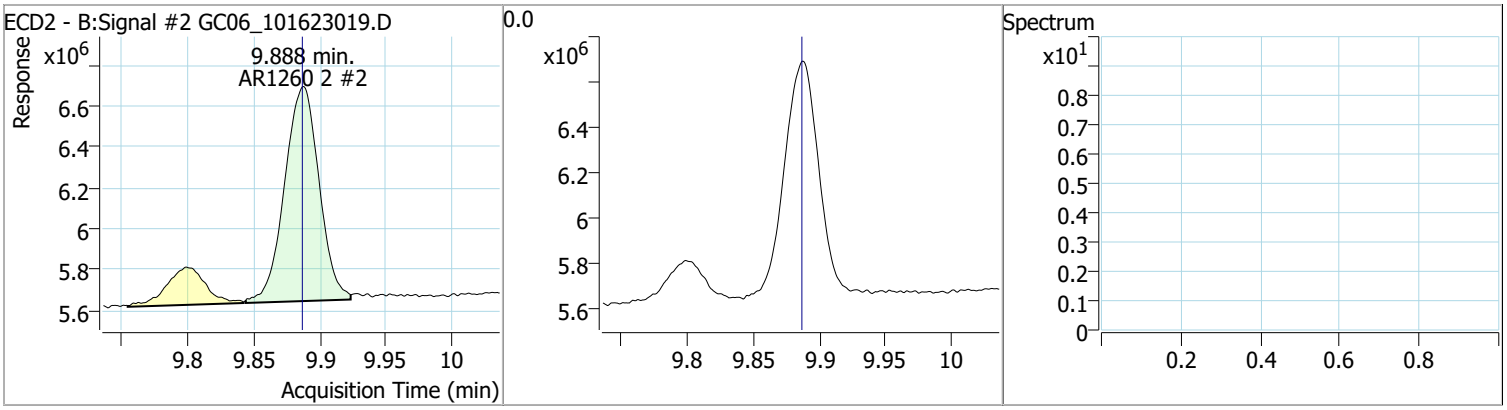

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 56.9054 | 9.37 | 0.00 | 1032552 | | | | |



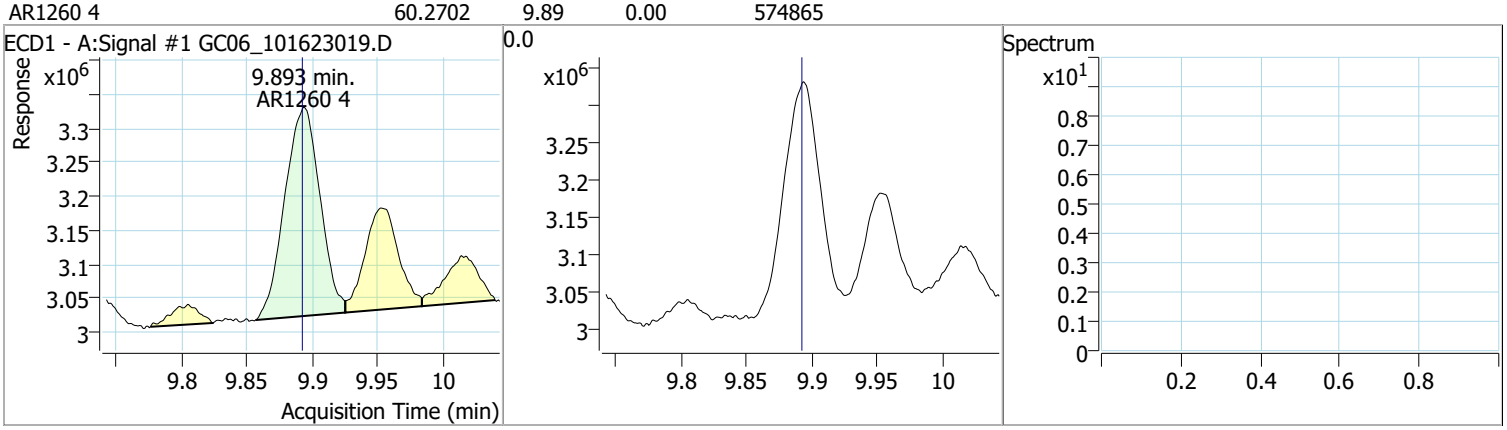

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 55.3751 | 9.60 | 0.00 | 1567692 | | | | |



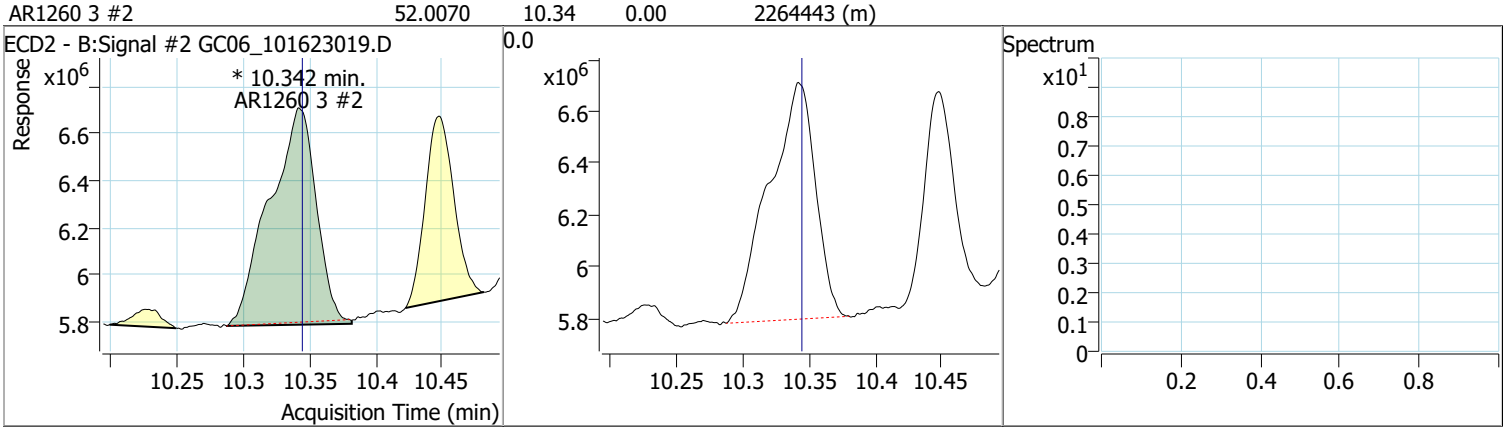
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 55.8225 | 9.89 | 0.00 | 1906704 | | | | |



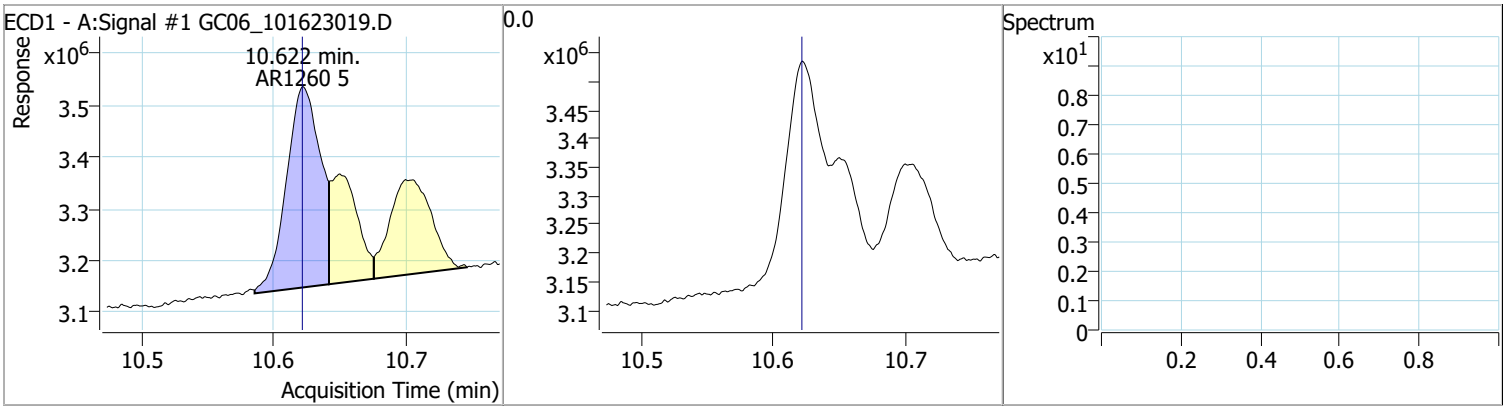

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 60.2702 | 9.89 | 0.00 | 574865 | | | | |



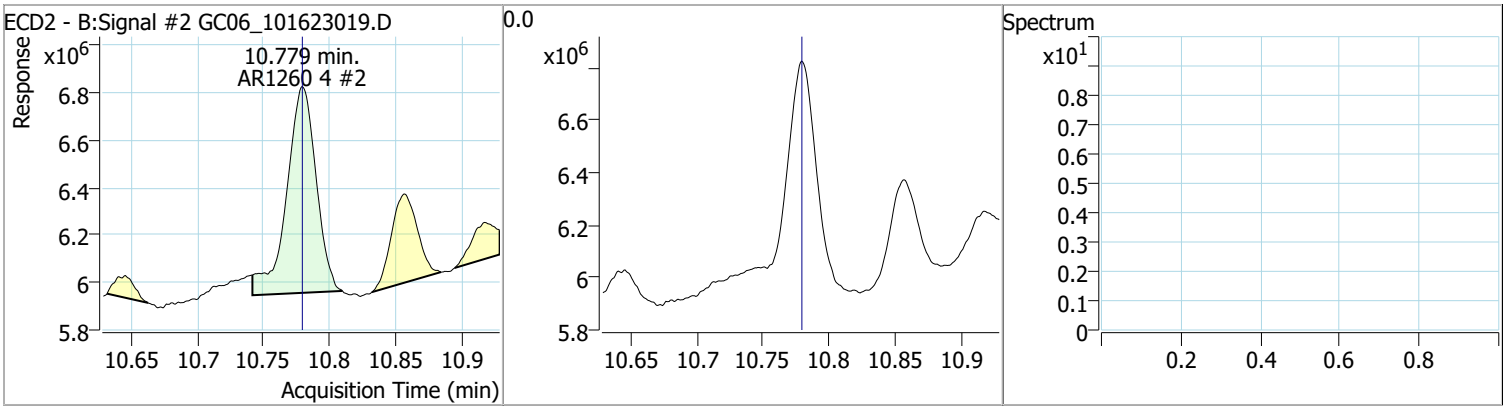

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 52.0070 | 10.34 | 0.00 | 2264443 (m) | | | | |



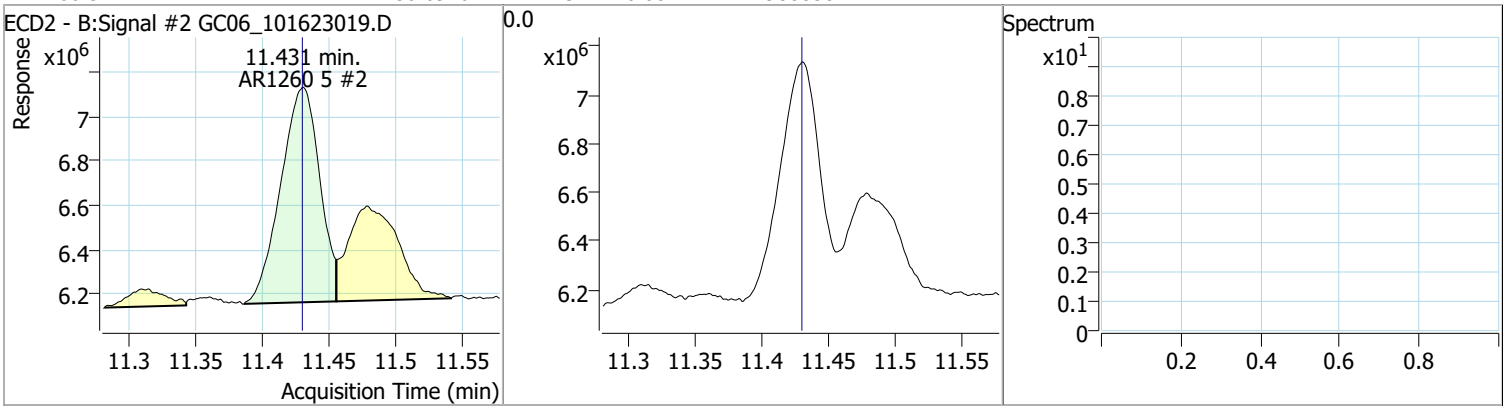

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 56.8430 | 10.62 | 0.00 | 691839 | | | | |



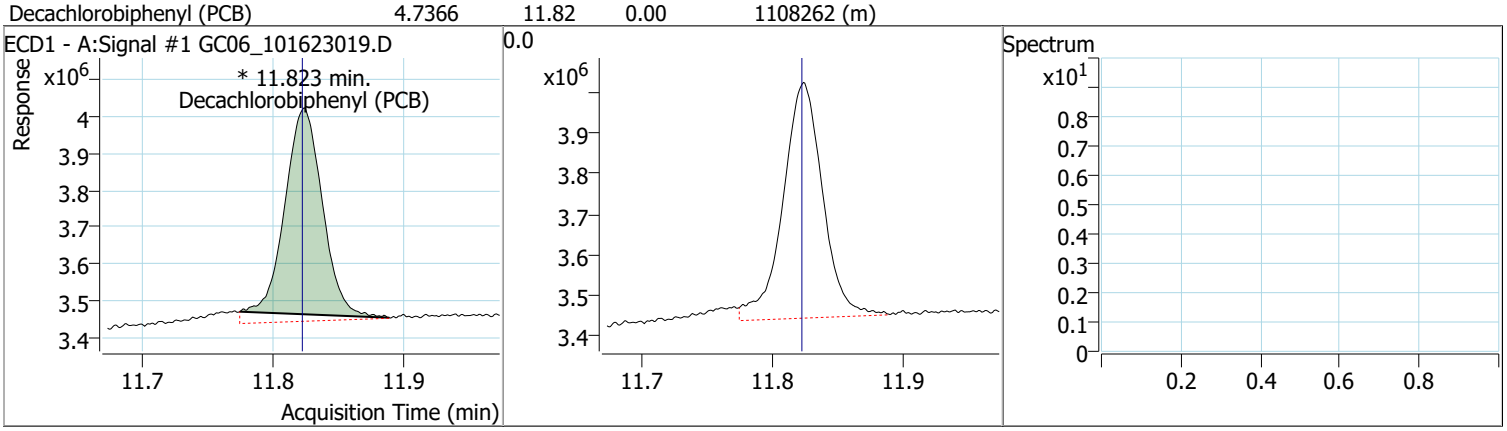
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 50.9251 | 10.78 | 0.00 | 1348045 | | | | |



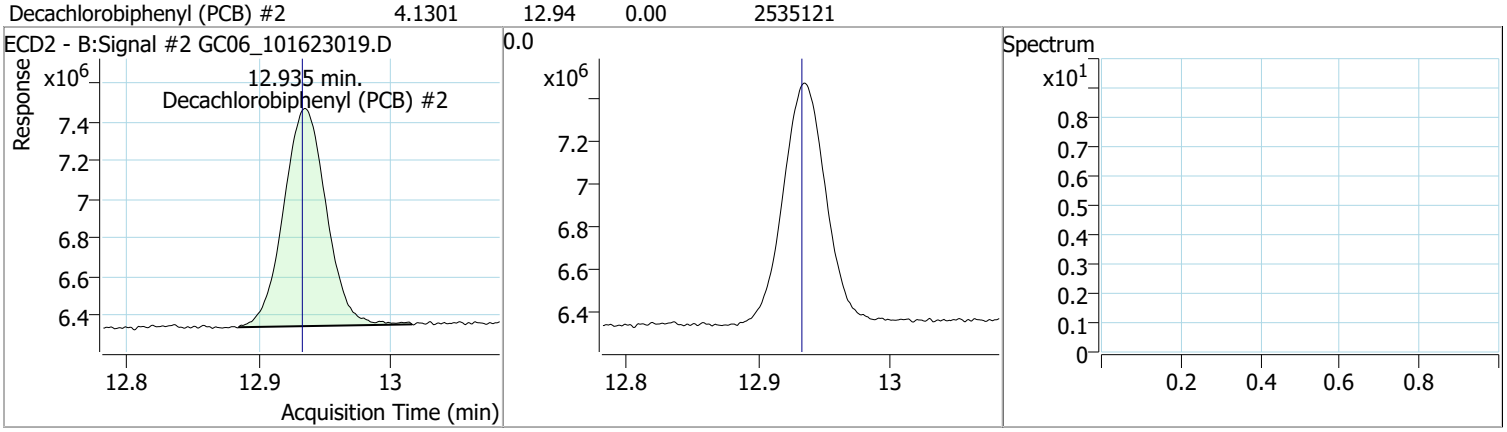

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 50.6946 | 11.43 | 0.00 | 1988858 | | | | |




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

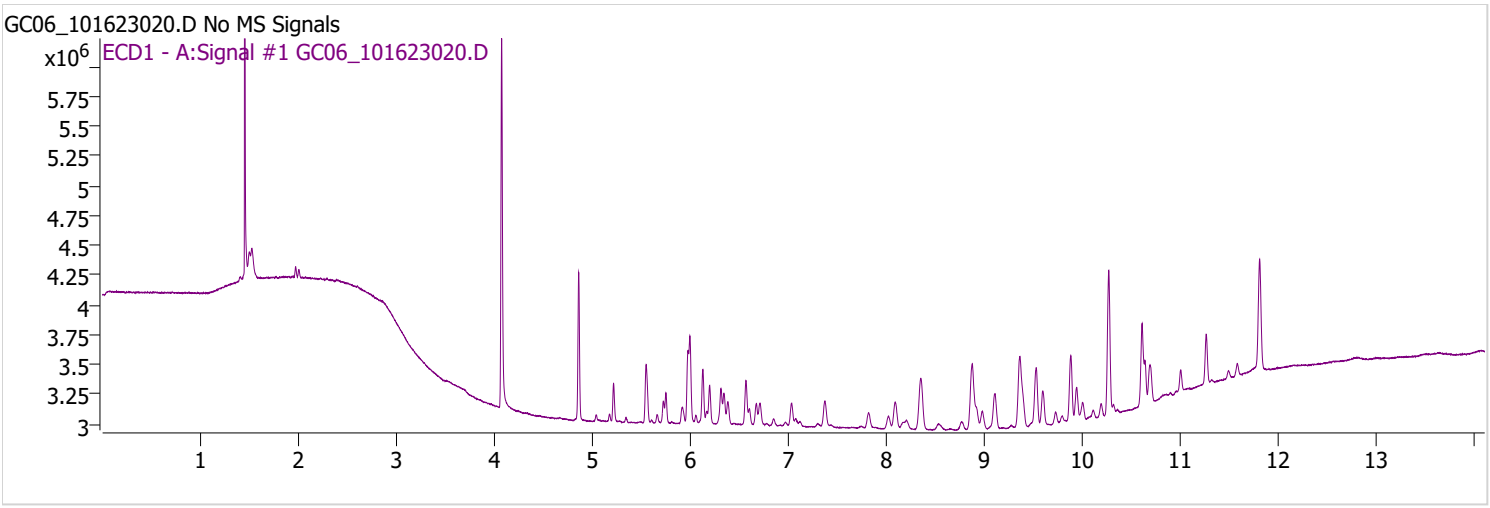


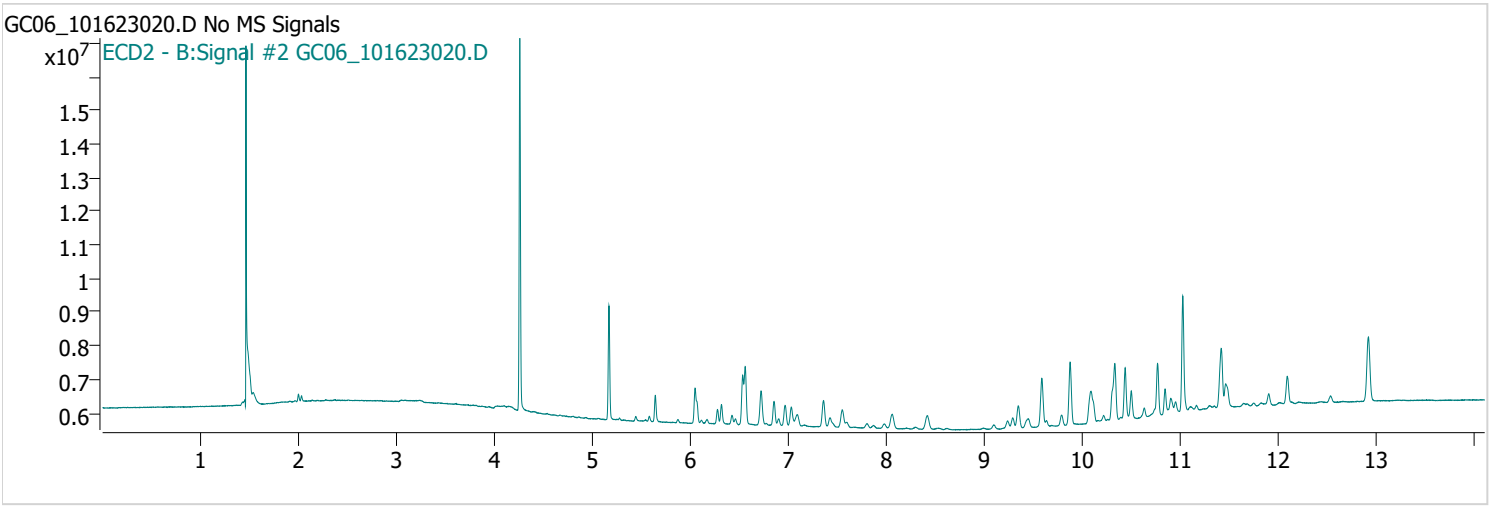

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 4.1301 | 12.94 | 0.00 | 2535121 | | | | |



# Quantitation Results Report (Not Reviewed)

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



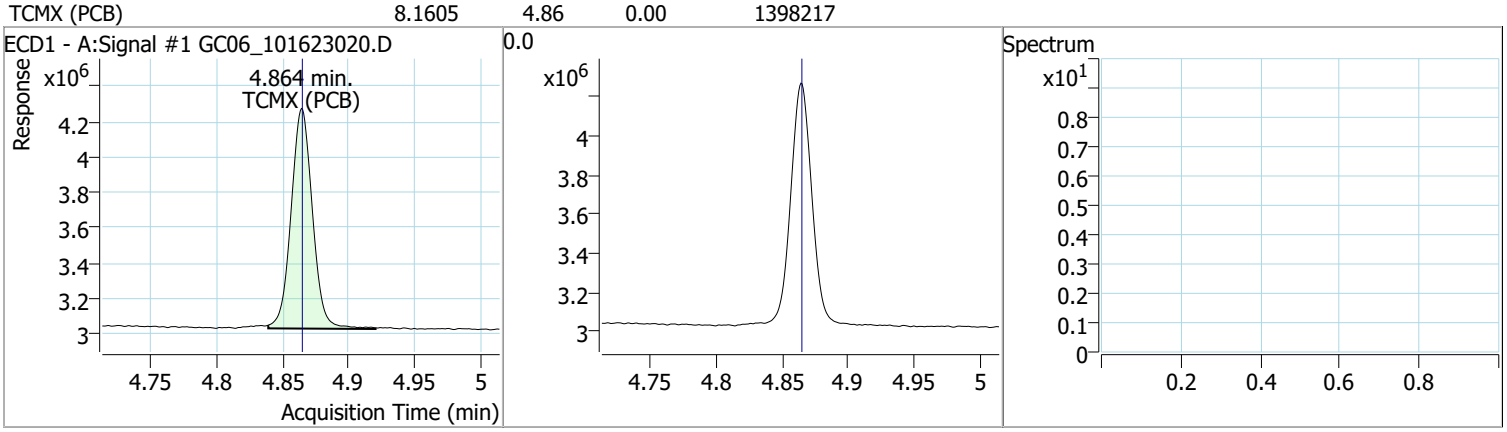




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.077 | 0.0 | 3443724.380 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 10057237.419 | 20.0000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

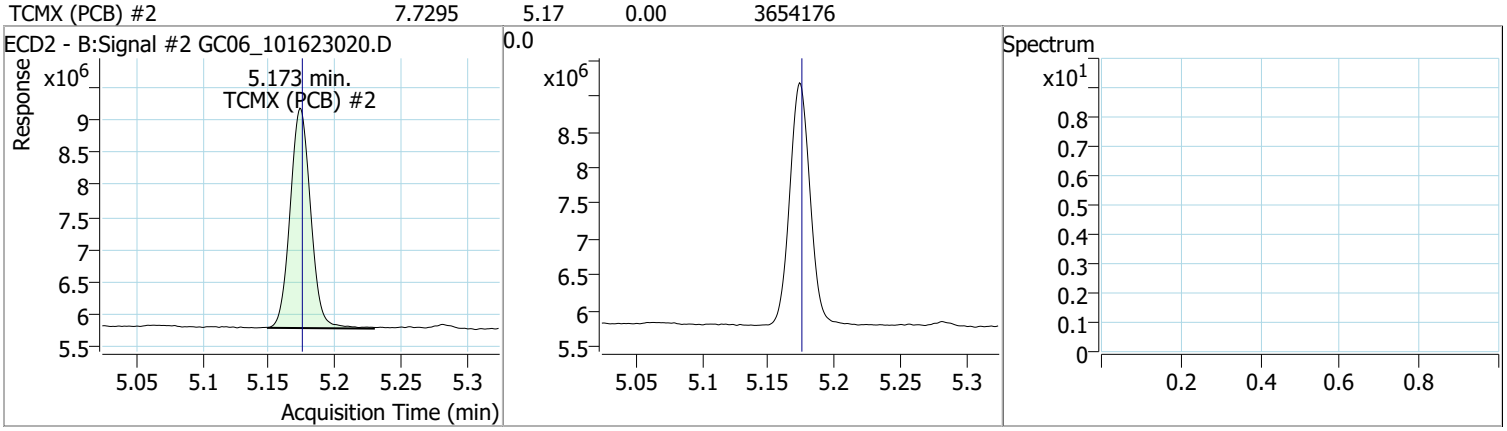
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.221 | 0.0 | 400308.537 | 107.1013 | ng/ml | | 100 |
| T AR1016 2 | 5.553 | 0.0 | 812541.886 | 108.3120 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.647 | 0.0 | 956570.562 | 102.8589 | ng/ml | | 100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

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

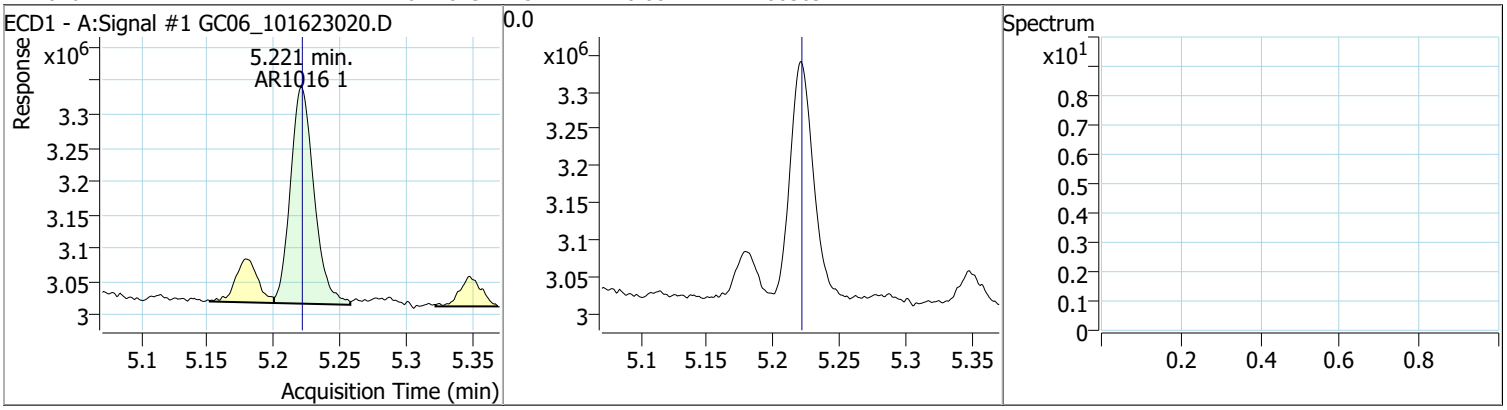
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 8.1605 | 4.86 | 0.00 | 1398217 | | | | |



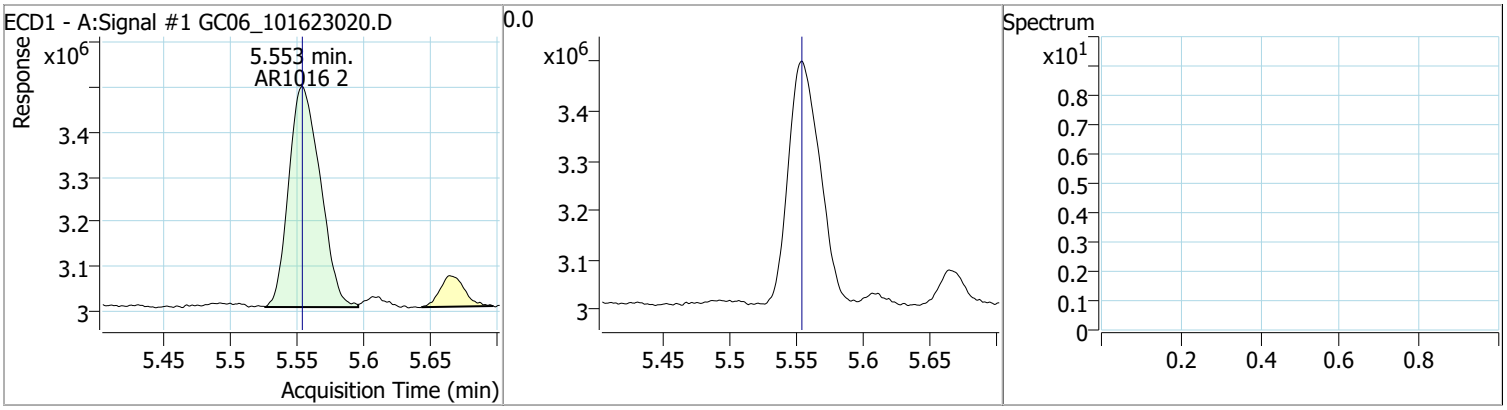

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 7.7295 | 5.17 | 0.00 | 3654176 | | | | |



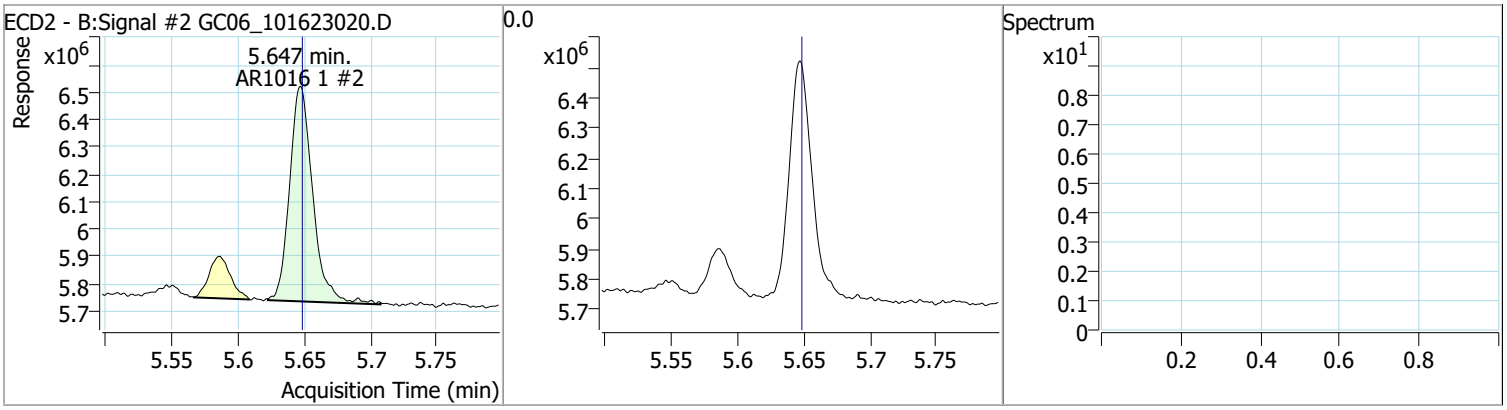

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 107.1013 | 5.22 | 0.00 | 400309 | | | | |



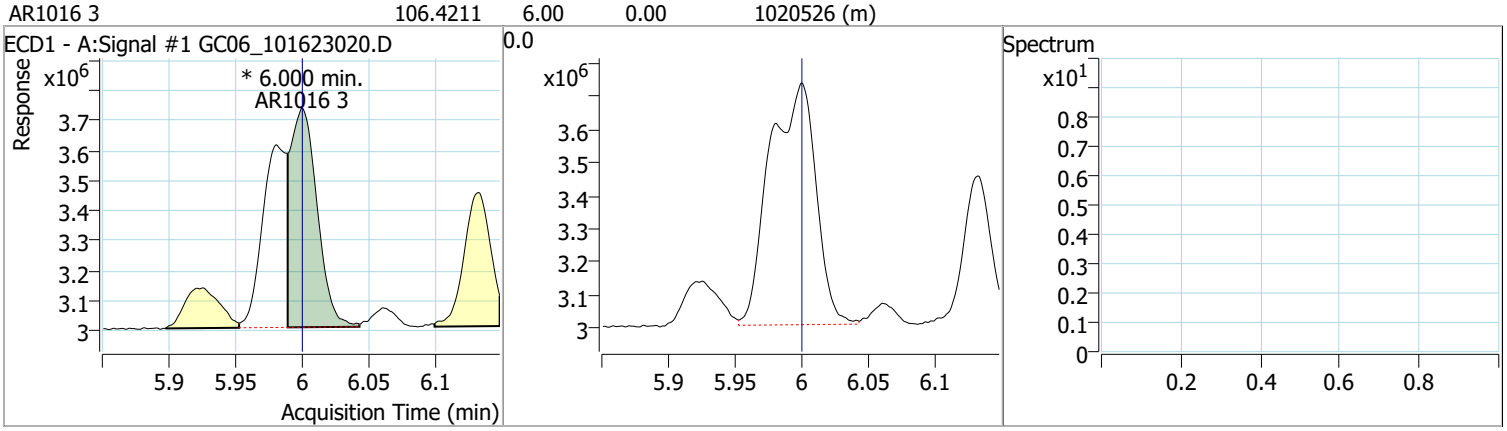

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 108.3120 | 5.55 | 0.00 | 812542 | | | | |



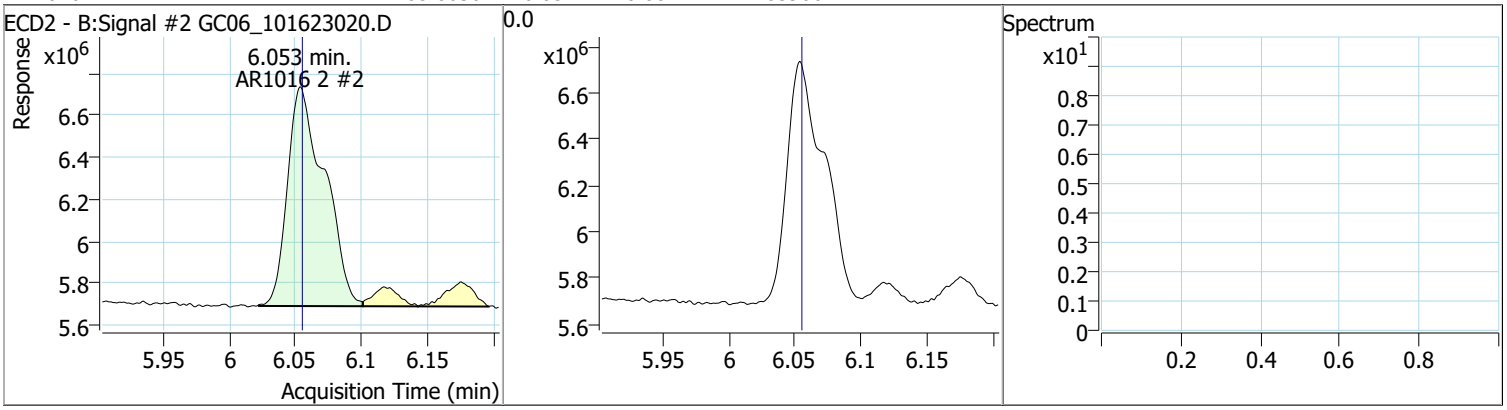
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 102.8589 | 5.65 | 0.00 | 956571 | | | | |



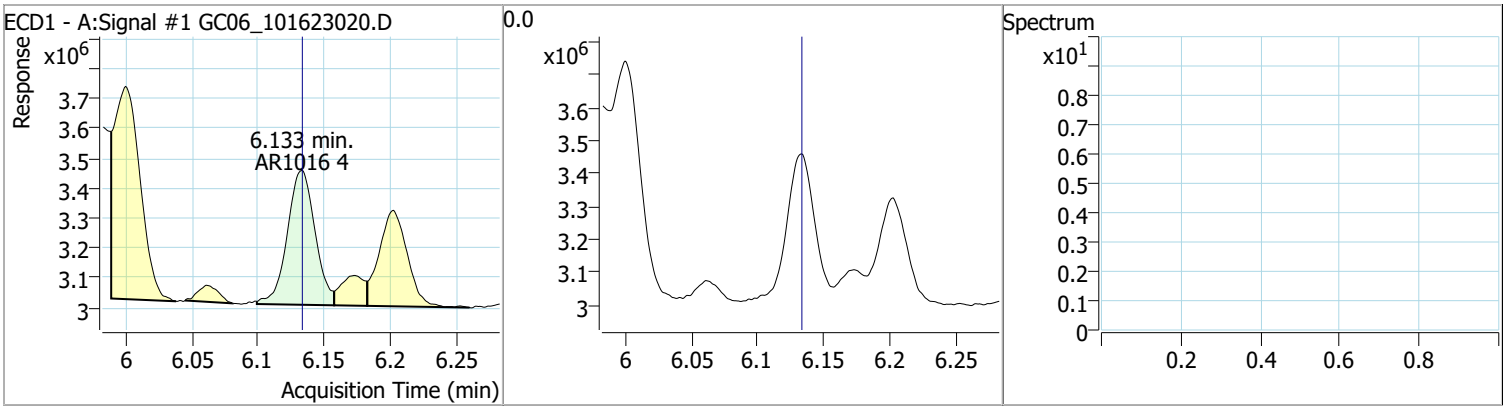

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 106.4211 | 6.00 | 0.00 | 1020526 (m) | | | | |



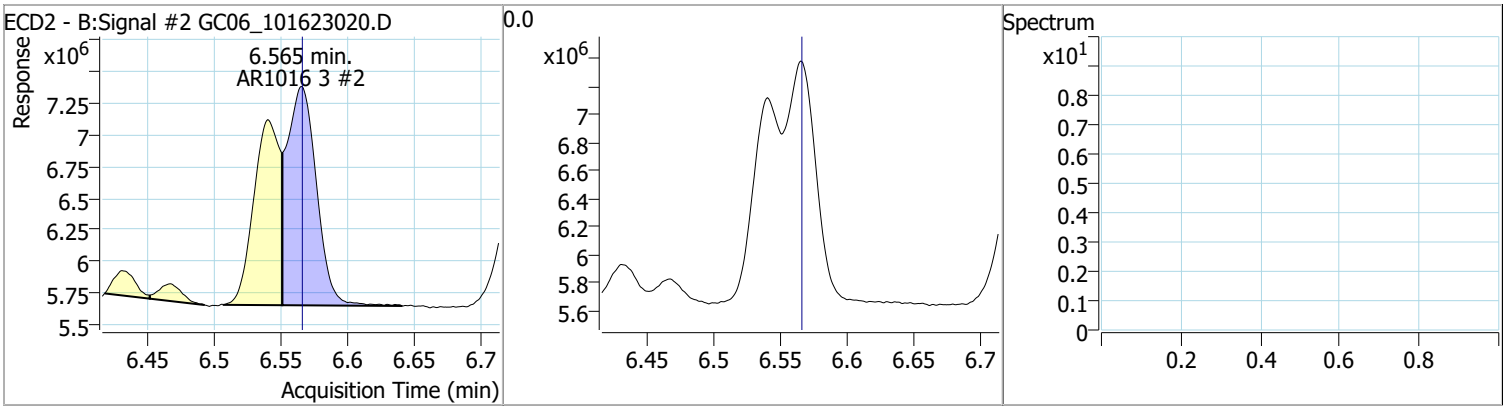

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 105.0630 | 6.05 | 0.00 | 2039061 | | | | |



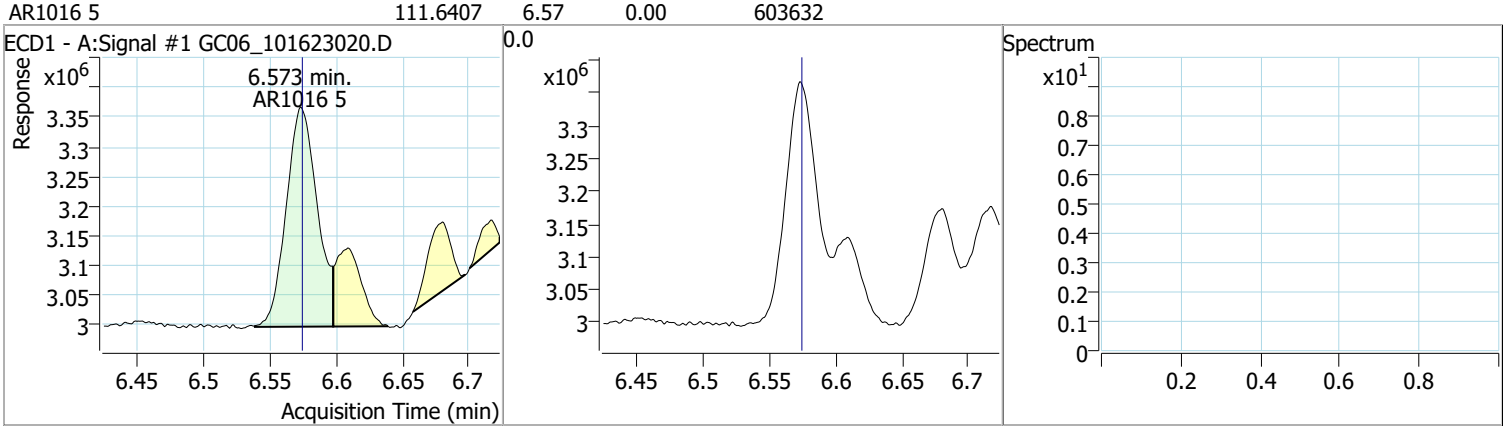

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 109.4106 | 6.13 | 0.00 | 657394 | | | | |



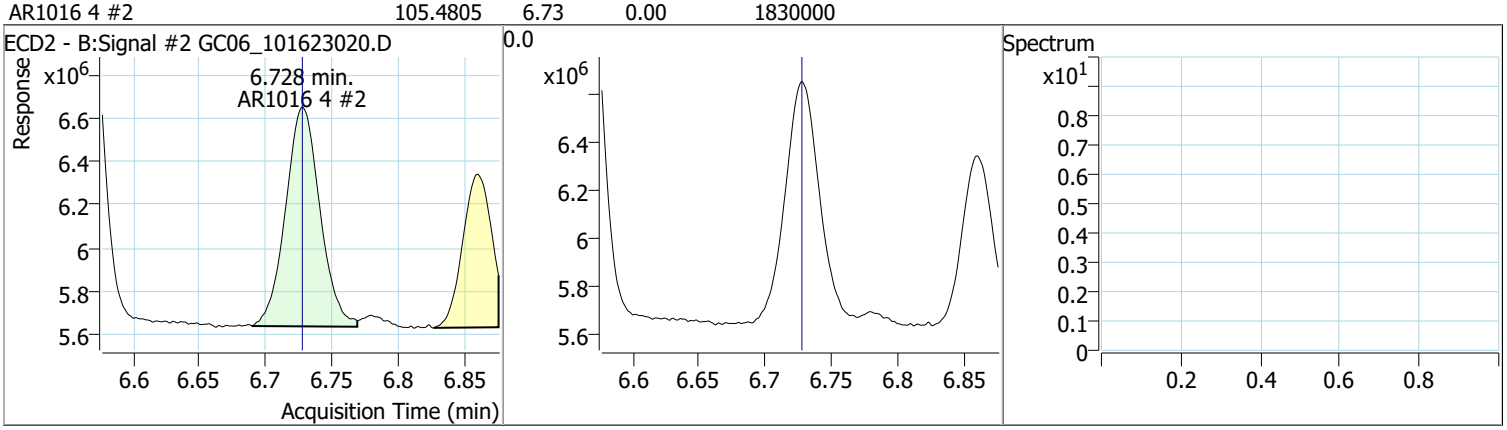
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 103.2132 | 6.57 | 0.00 | 2665546 | | | | |



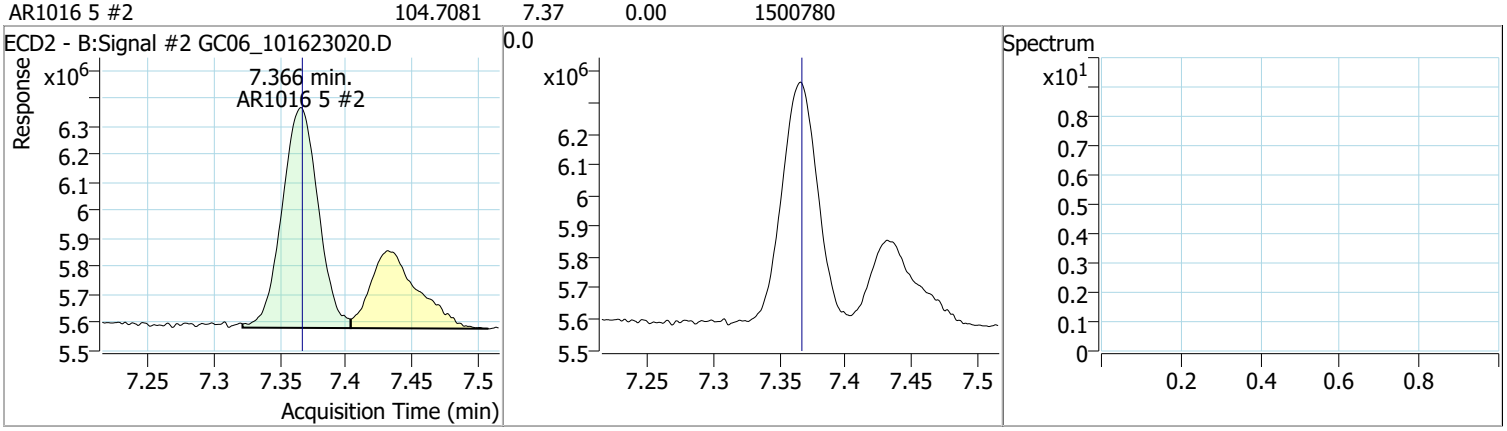

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 111.6407 | 6.57 | 0.00 | 603632 | | | | |



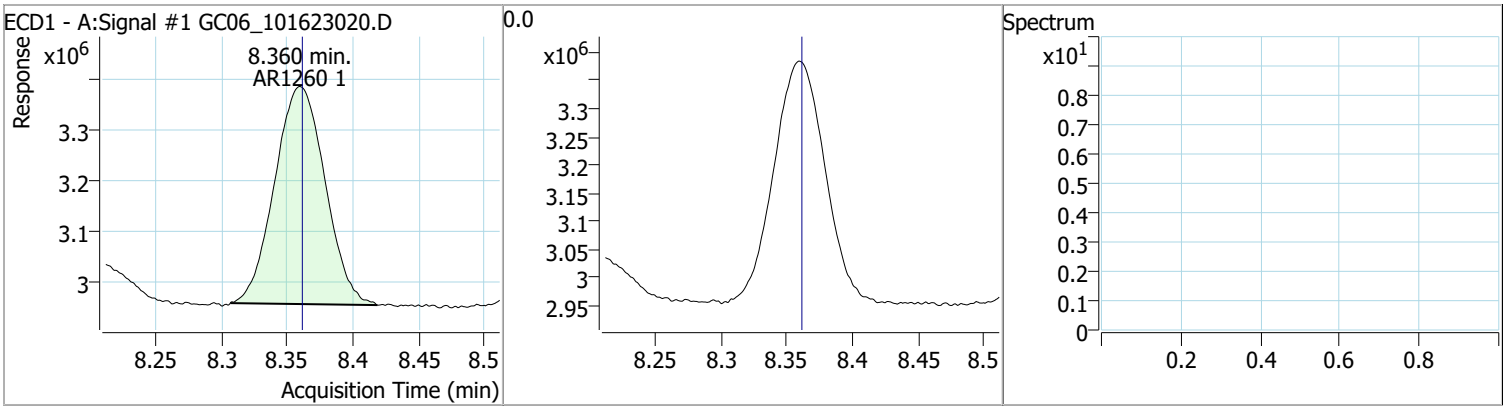

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 105.4805 | 6.73 | 0.00 | 1830000 | | | | |



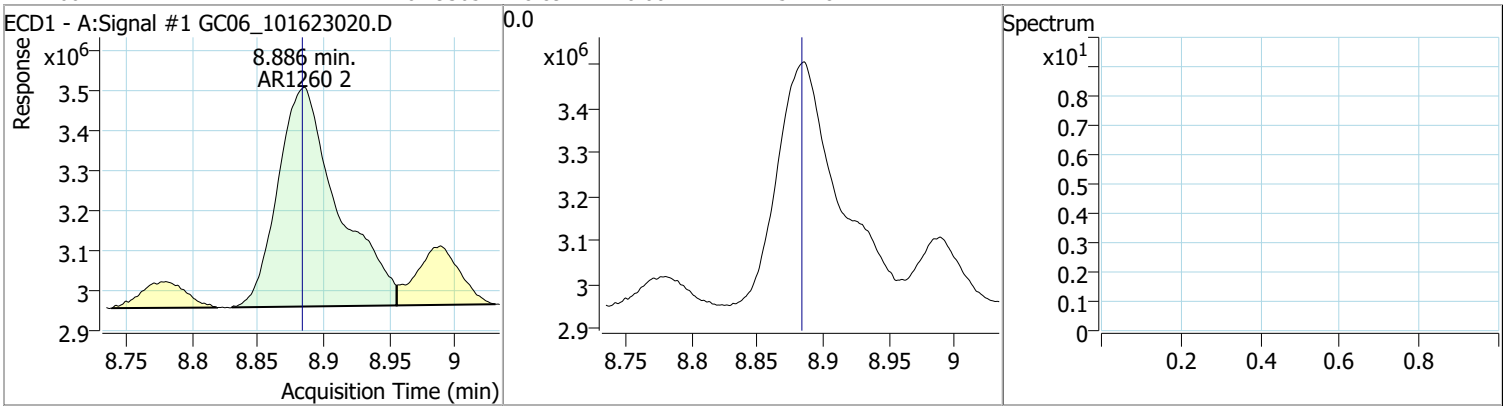

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 104.7081 | 7.37 | 0.00 | 1500780 | | | | |



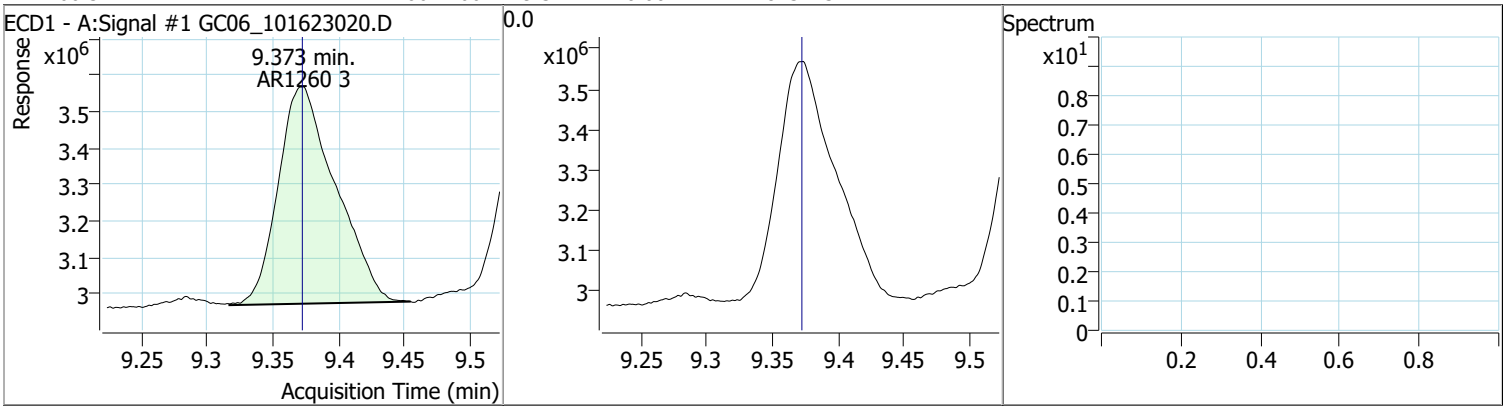
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 109.5521 | 8.36 | 0.00 | 1140625 | | | | |



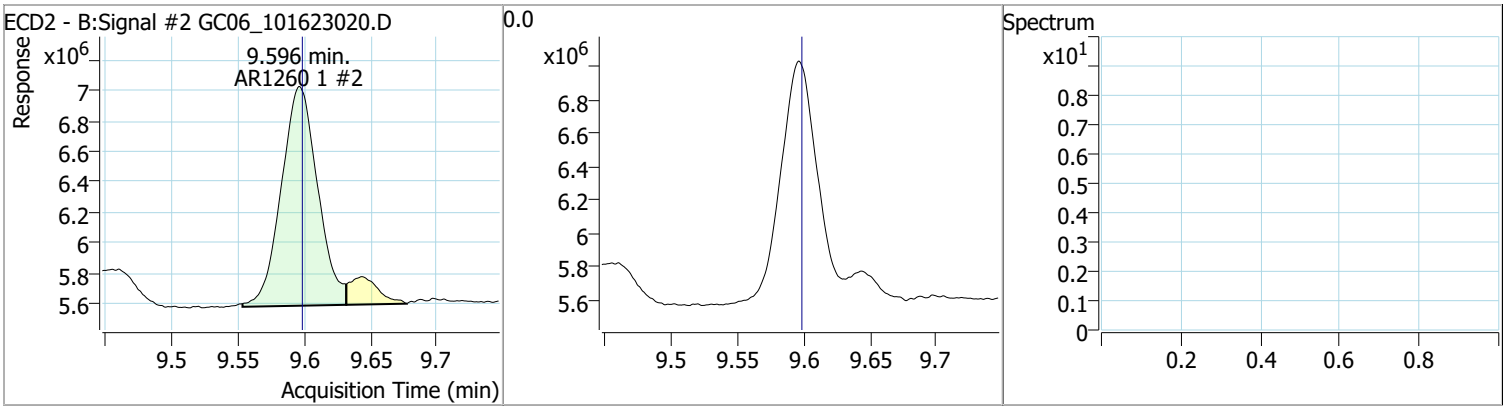

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 107.9365 | 8.89 | 0.00 | 1751148 | | | | |



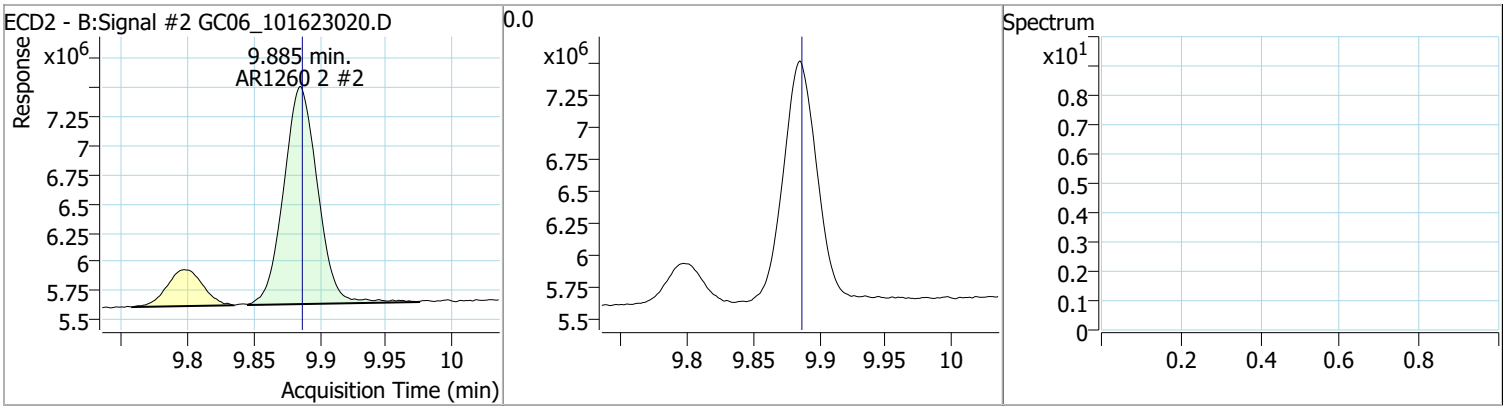

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 106.4466 | 9.37 | 0.00 | 1813443 | | | | |



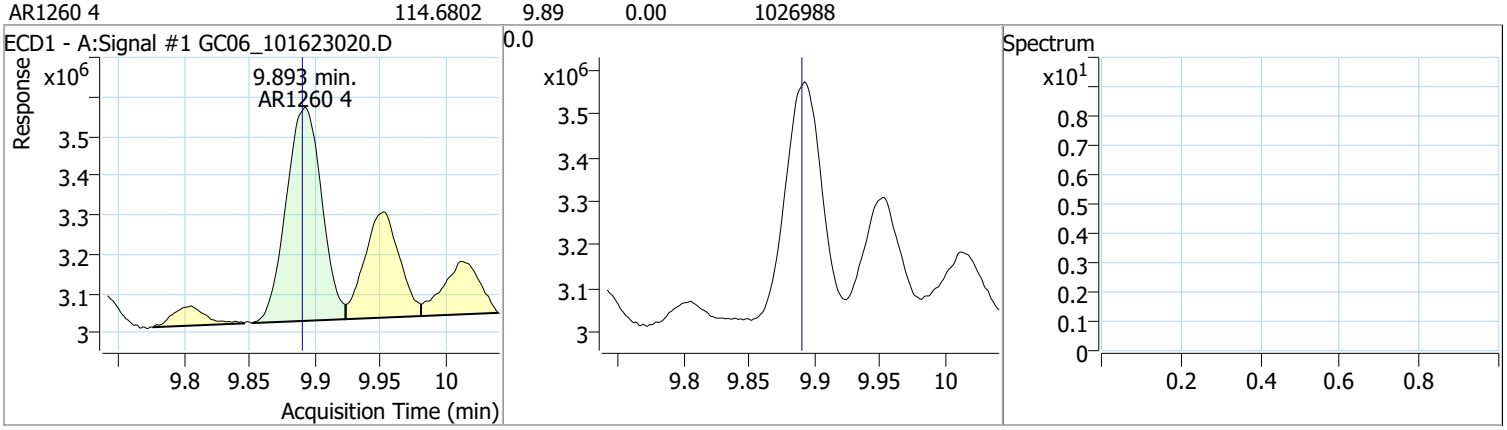

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 104.1715 | 9.60 | 0.00 | 2773734 | | | | |



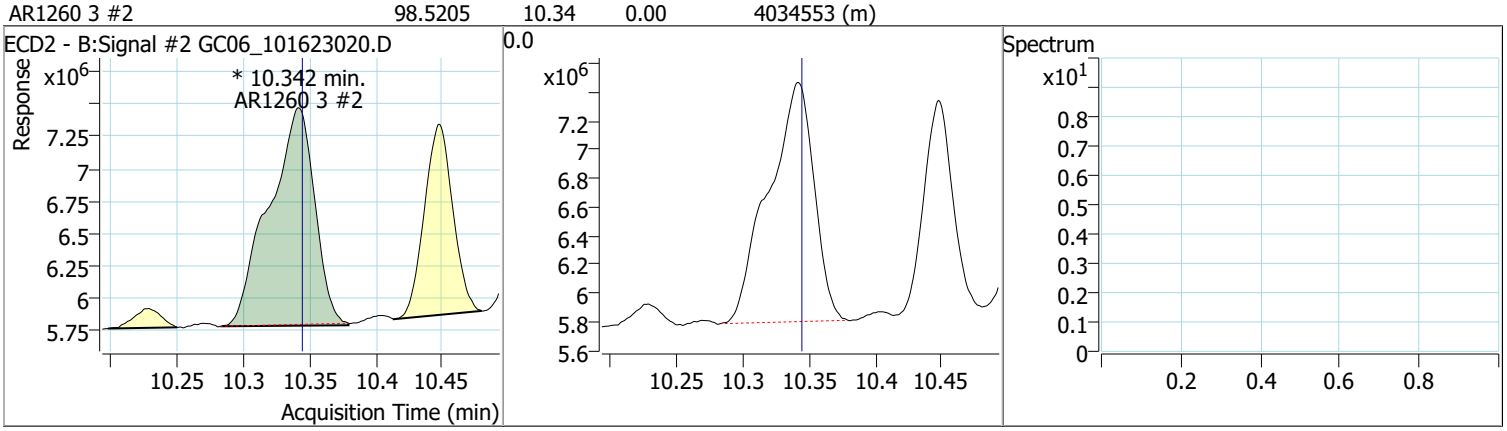
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 104.1111 | 9.89 | 0.00 | 3344572 | | | | |



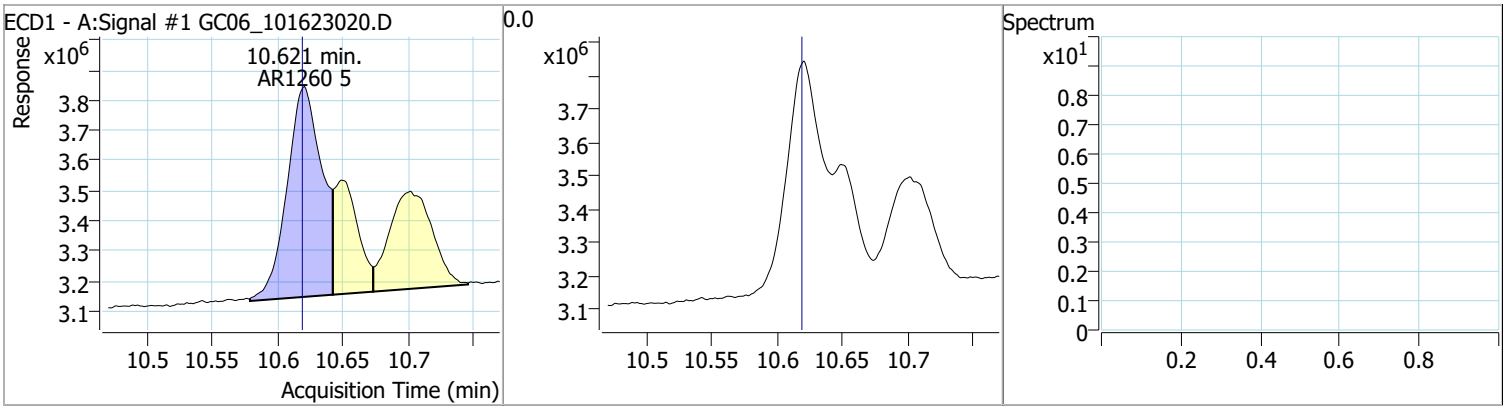

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 114.6802 | 9.89 | 0.00 | 1026988 | | | | |



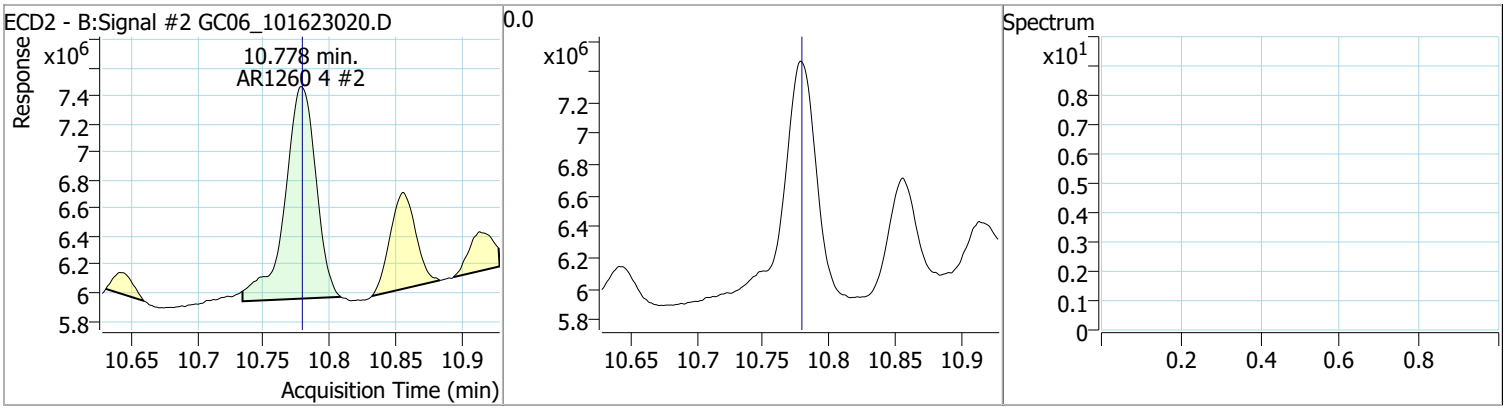

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 98.5205 | 10.34 | 0.00 | 4034553 (m) | | | | |



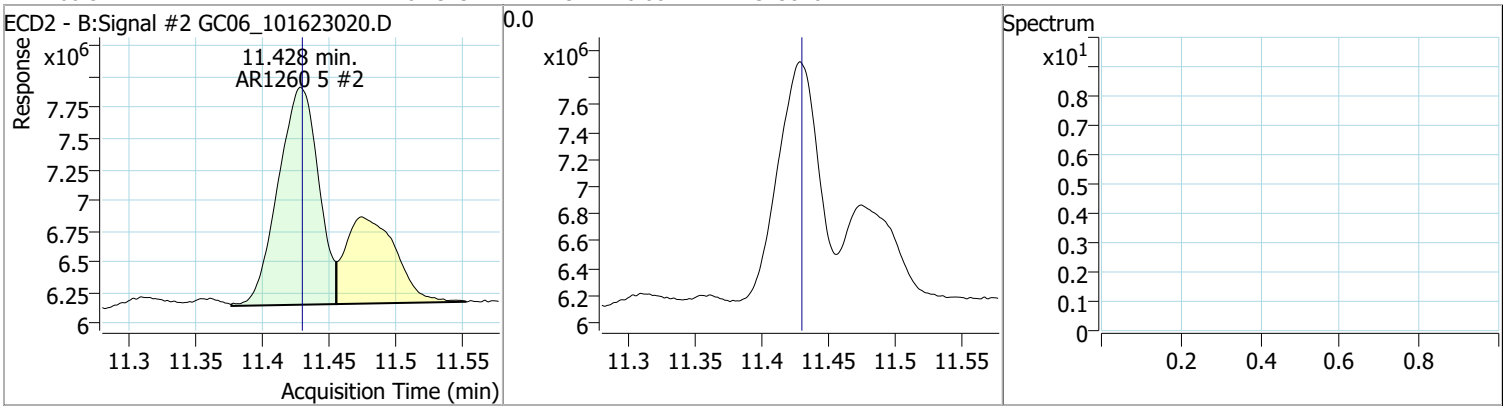

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 112.2803 | 10.62 | 0.00 | 1283055 | | | | |



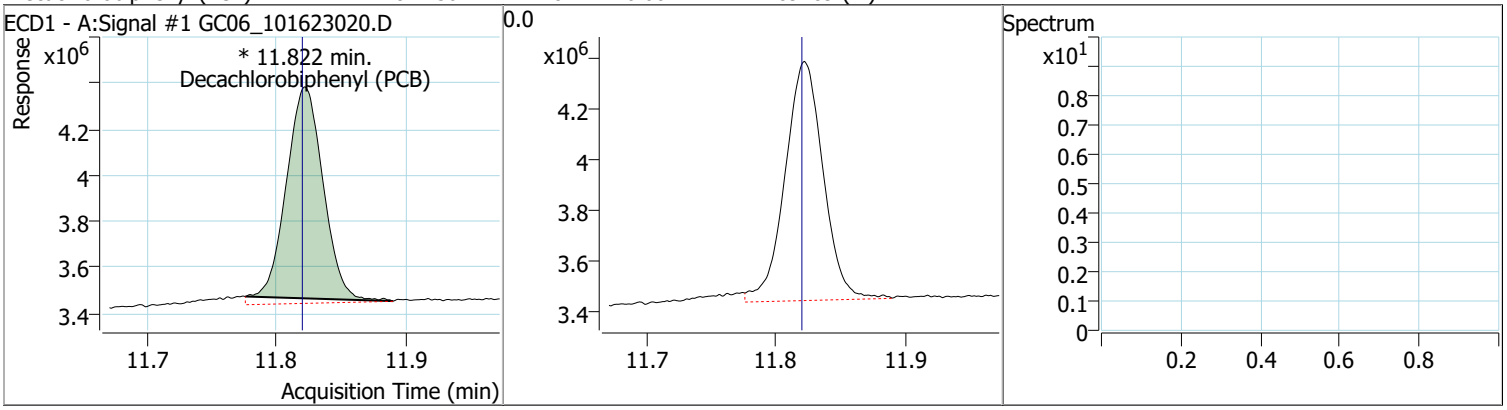
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 99.4223 | 10.78 | 0.00 | 2475288 | | | | |



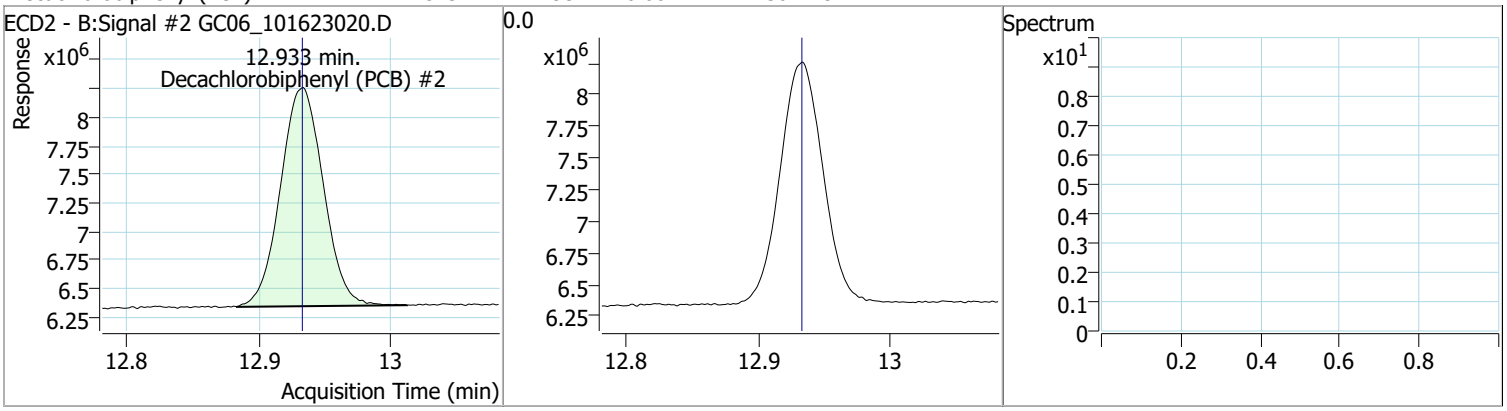

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 101.3234 | 11.43 | 0.00 | 3738704 | | | | |




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

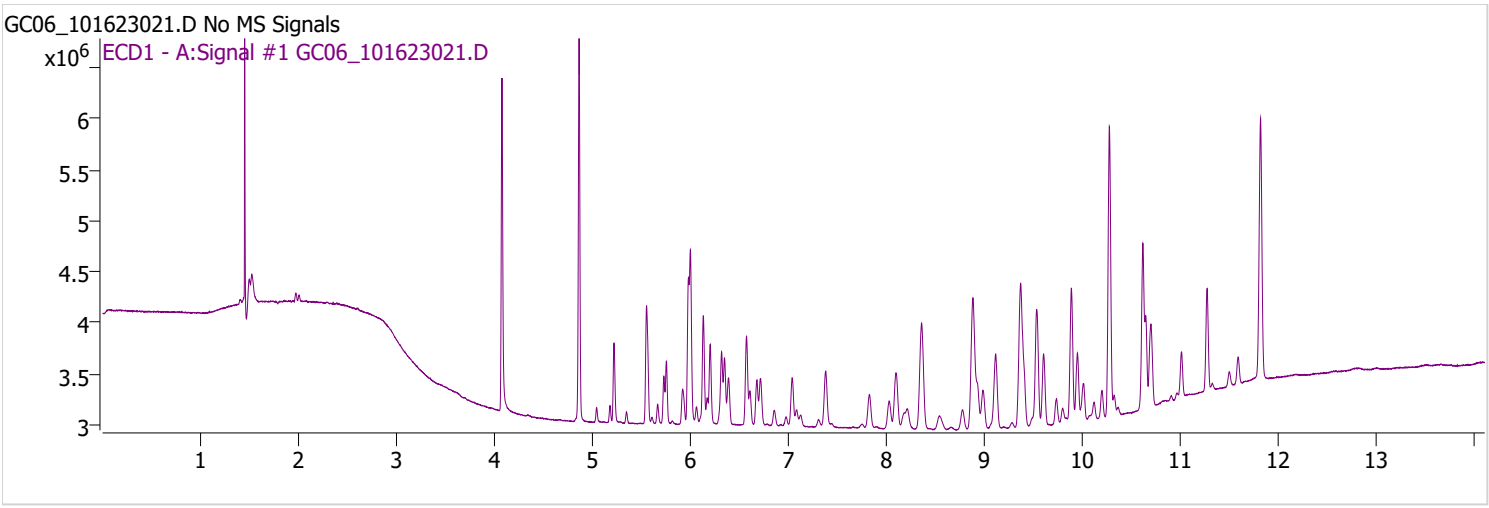


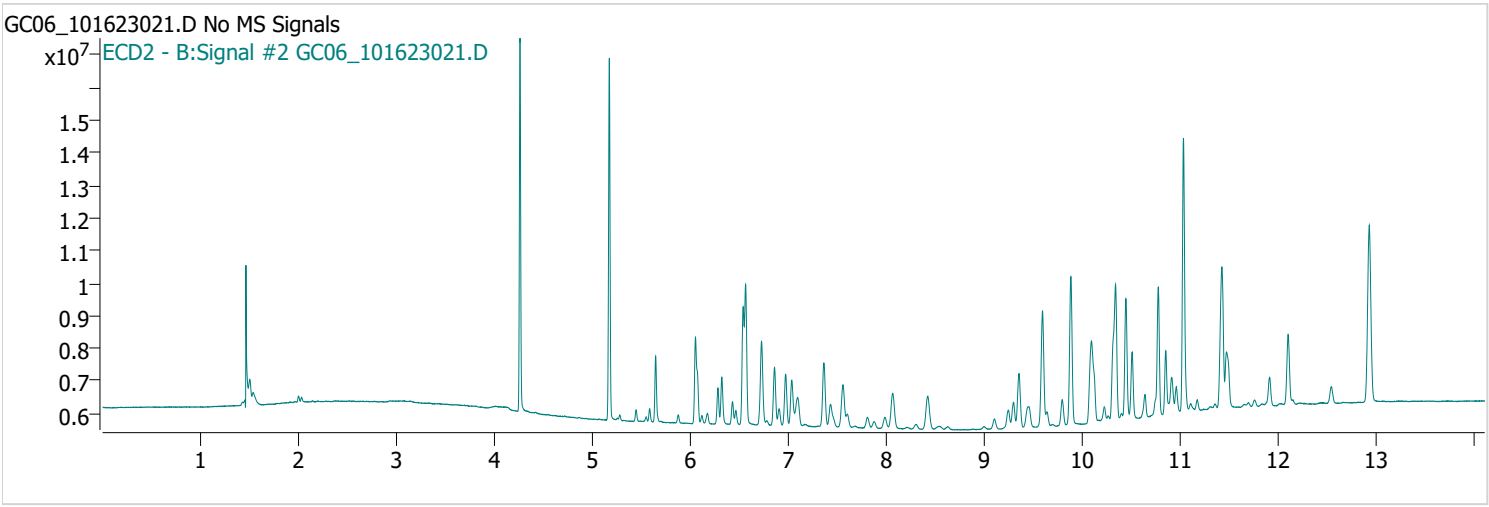

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 7.4523 | 12.93 | 0.00 | 4302279 | | | | |



# Quantitation Results Report (Not Reviewed)

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



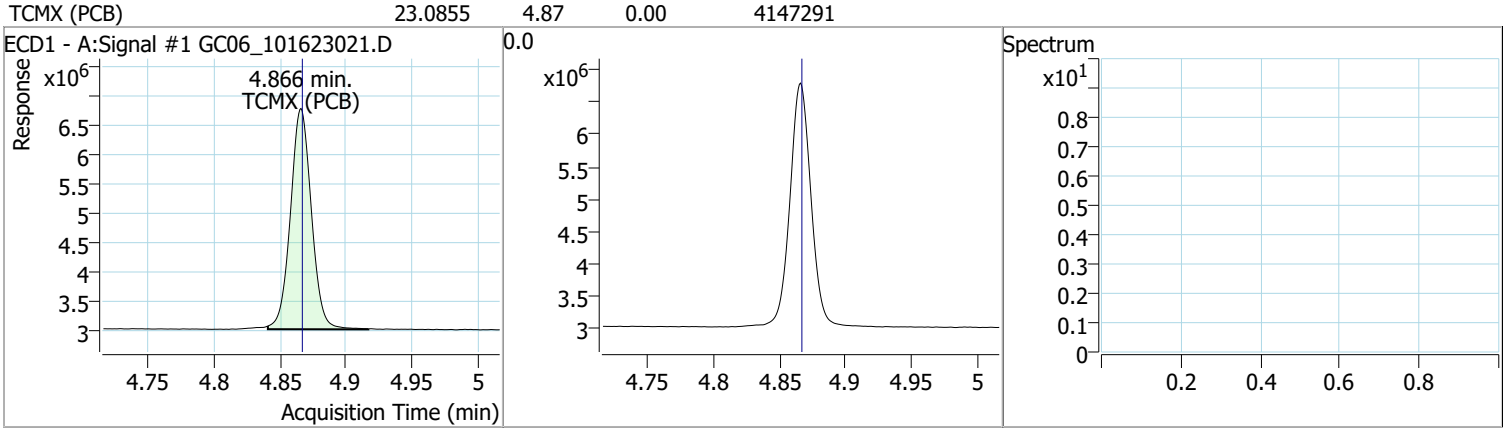




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.078 | 0.0 | 3610729.796 | 20.0000 | ng/ml | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 10490477.792 | 20.0000 | ng/ml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

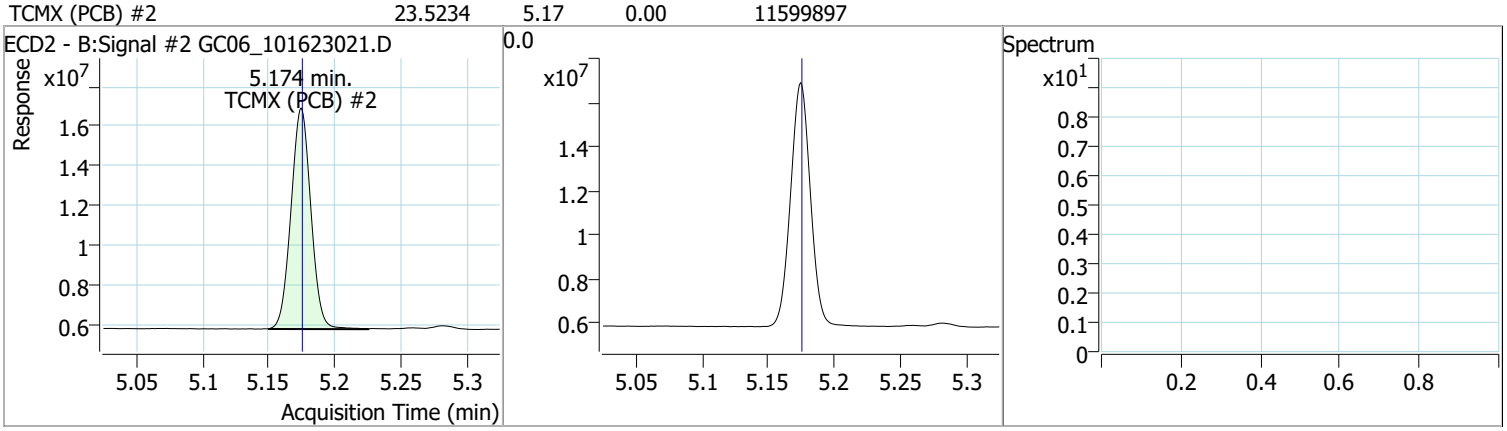
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.223 | 0.0 | 1018903.807 | 259.9958 | ng/ml | | 100 |
| T AR1016 2 | 5.555 | 0.0 | 1945375.527 | 247.3247 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.648 | 0.0 | 2439490.236 | 251.4824 | ng/ml |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

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

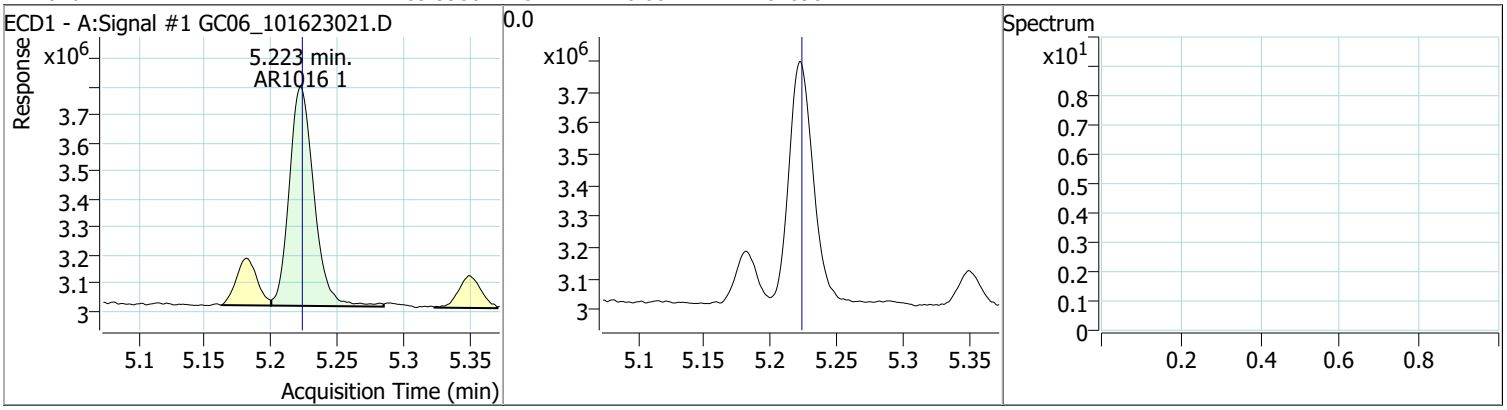
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 23.0855 | 4.87 | 0.00 | 4147291 | | | | |



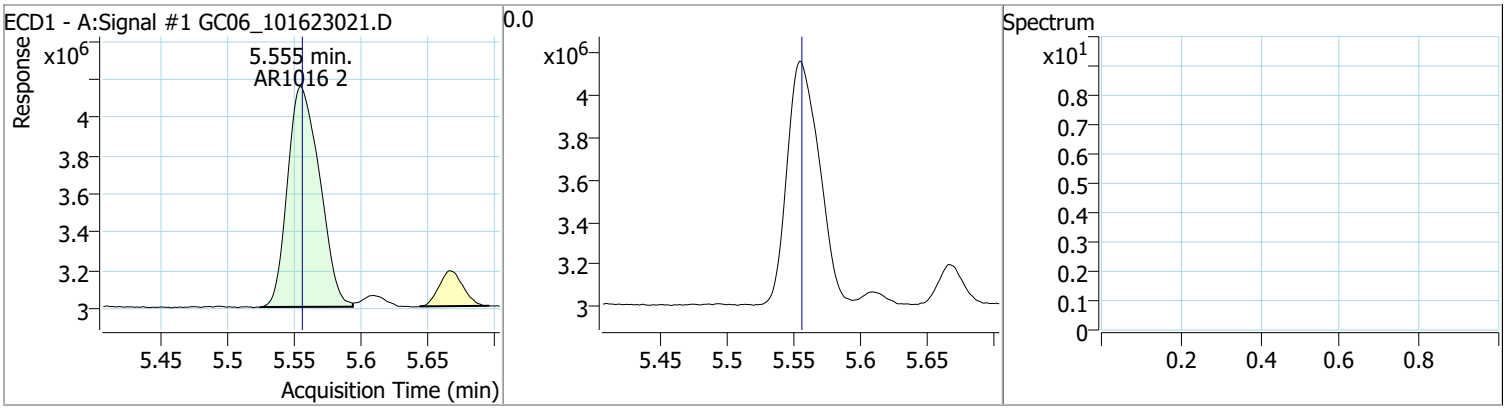

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 23.5234 | 5.17 | 0.00 | 11599897 | | | | |



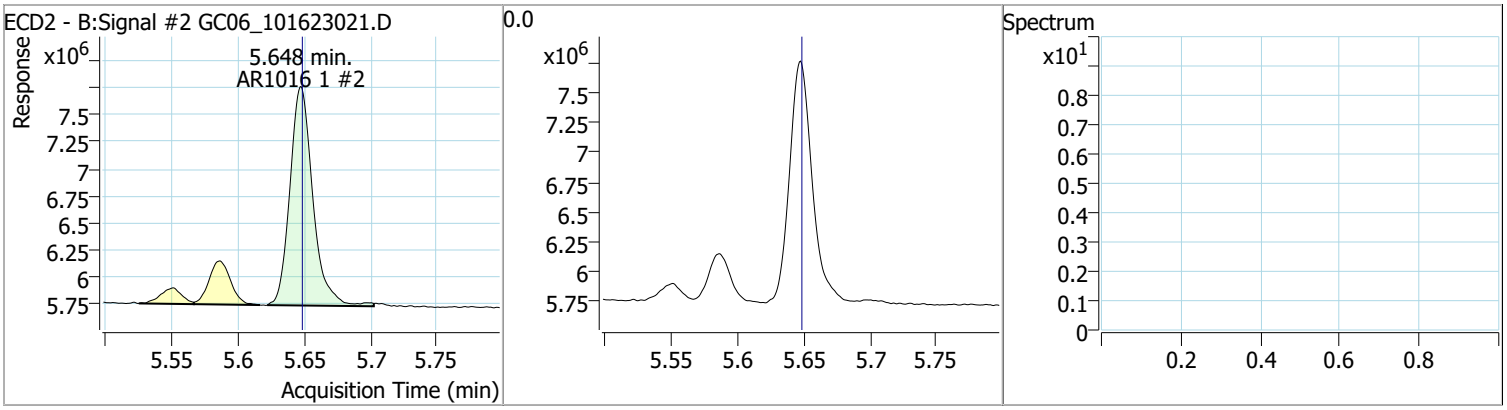

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 259.9958 | 5.22 | 0.00 | 1018904 | | | | |



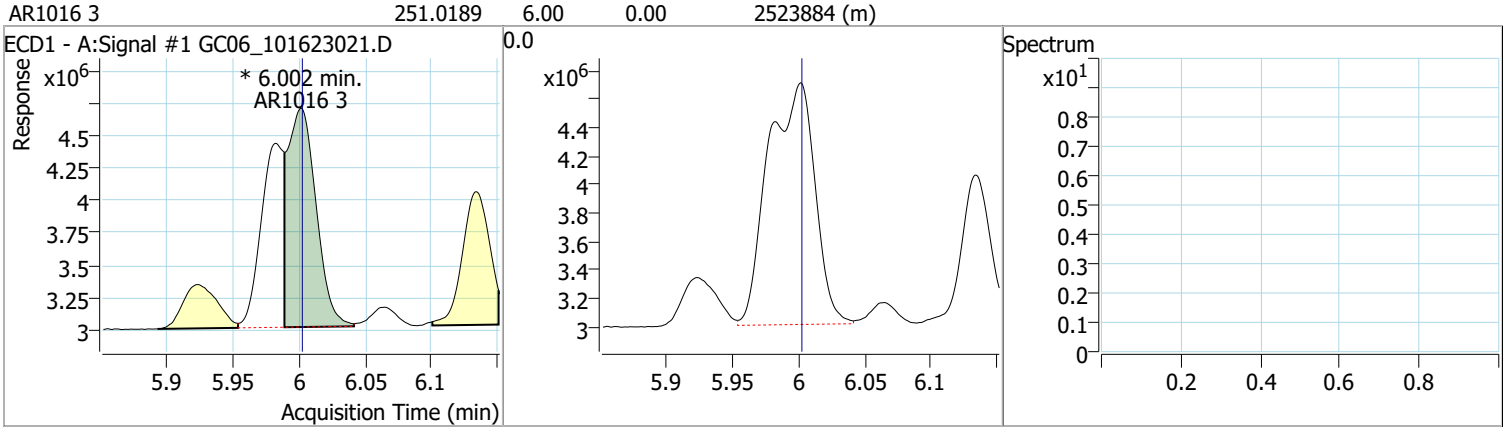

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 247.3247 | 5.56 | 0.00 | 1945376 | | | | |



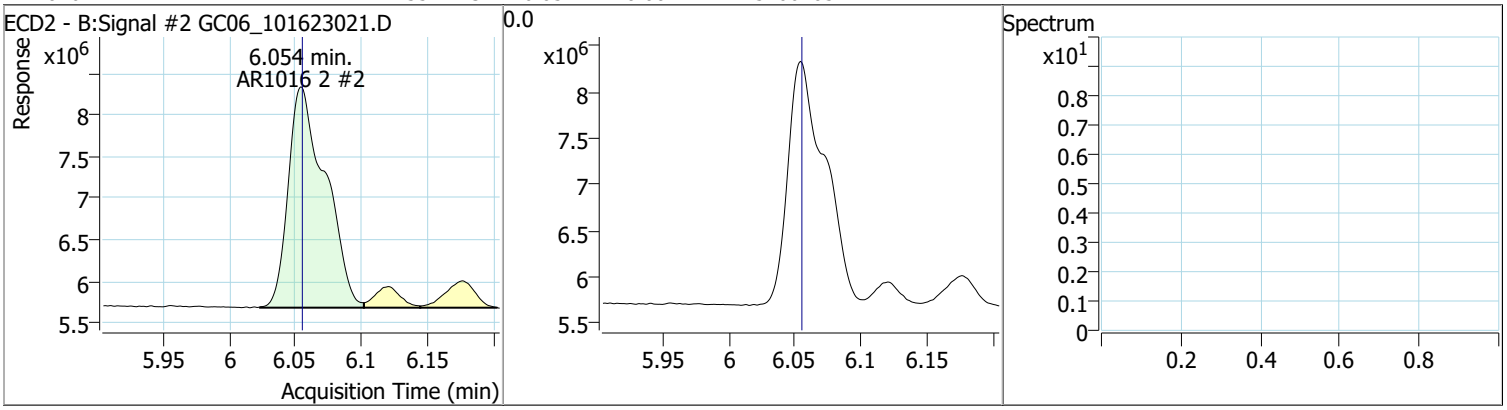
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 251.4824 | 5.65 | 0.00 | 2439490 | | | | |



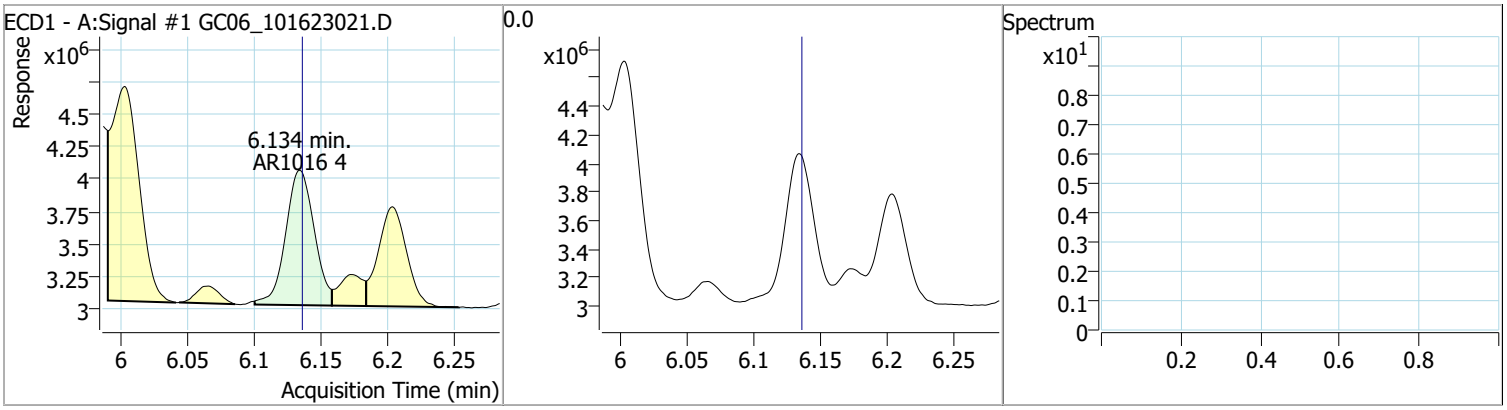

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 251.0189 | 6.00 | 0.00 | 2523884 (m) | | | | |



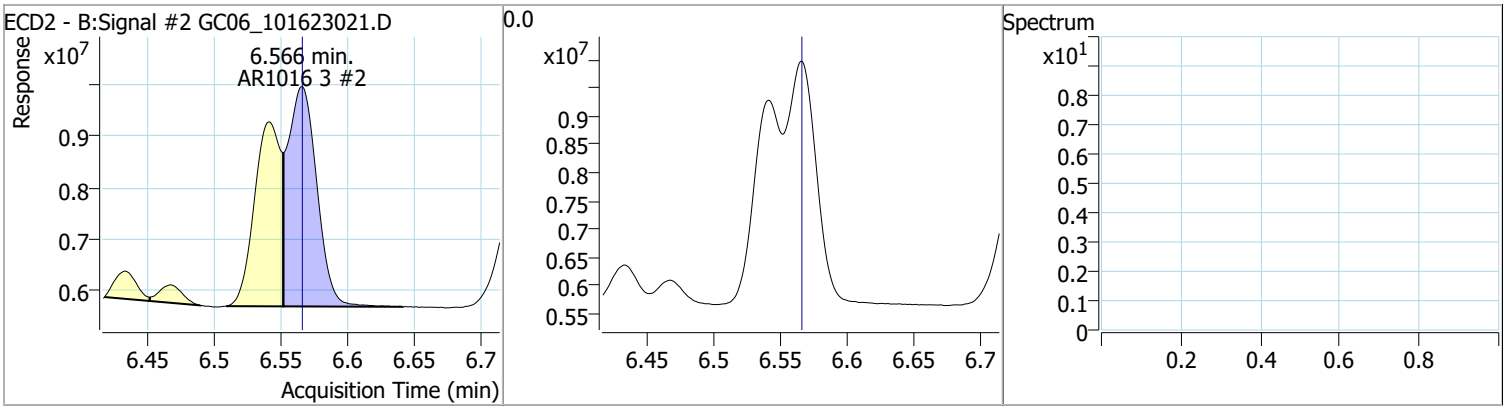

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 255.2213 | 6.05 | 0.00 | 5166705 | | | | |



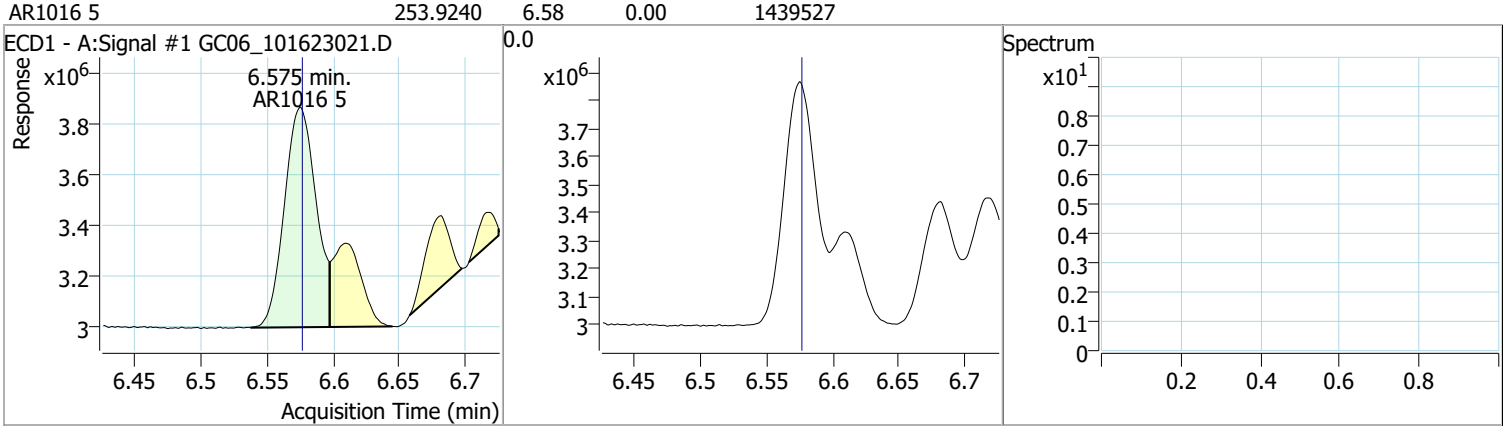

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 249.0374 | 6.13 | 0.00 | 1568908 | | | | |



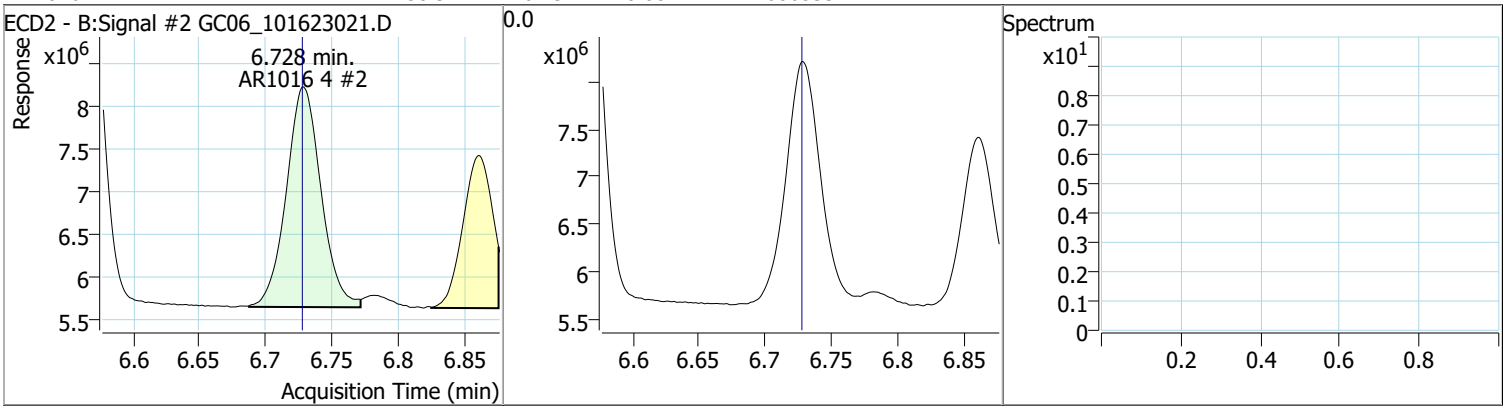
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 242.3598 | 6.57 | 0.00 | 6528718 | | | | |



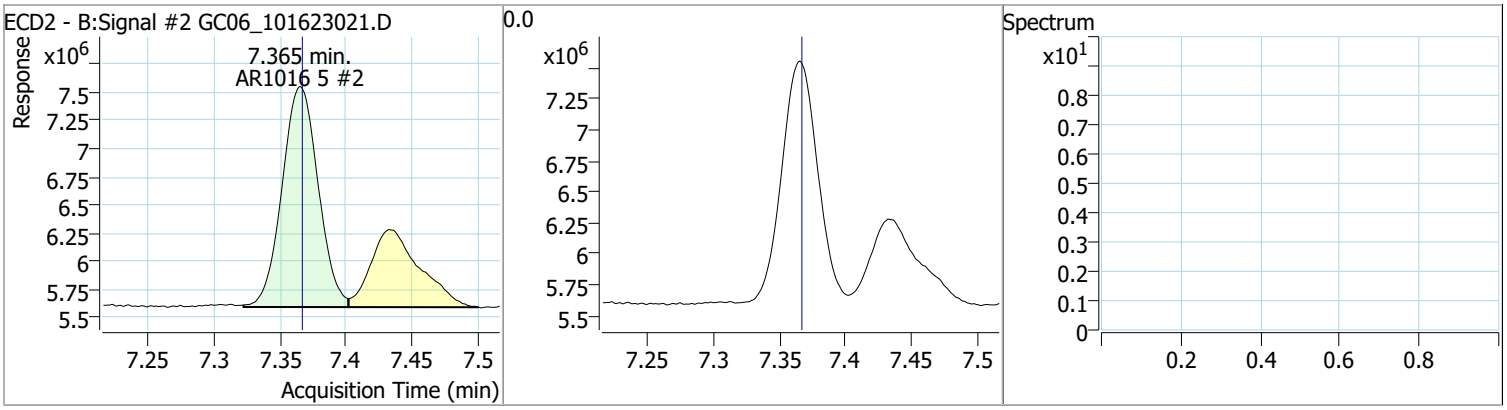

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 253.9240 | 6.58 | 0.00 | 1439527 | | | | |



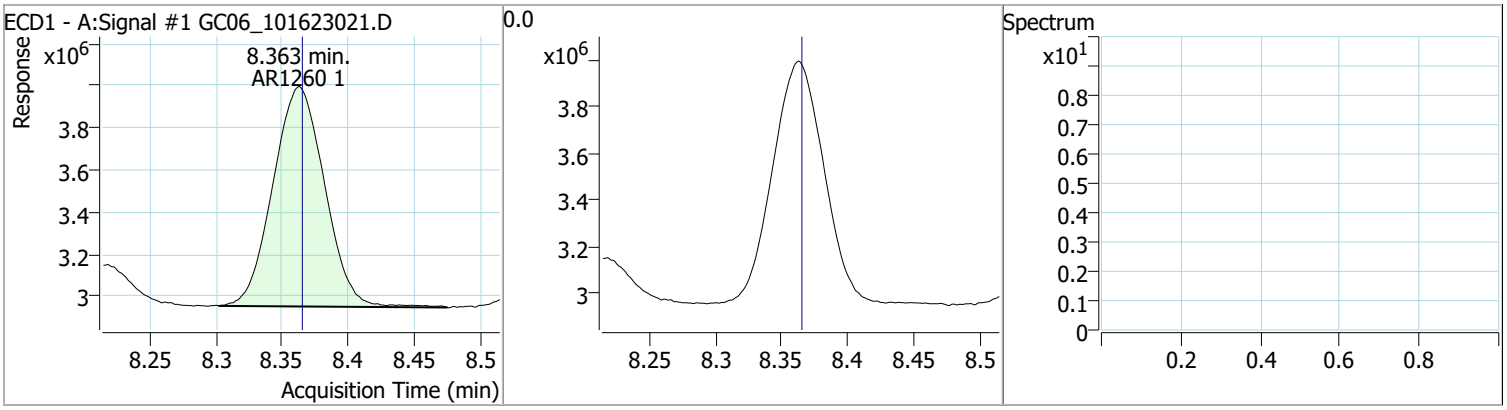

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 258.9741 | 6.73 | 0.00 | 4686533 | | | | |



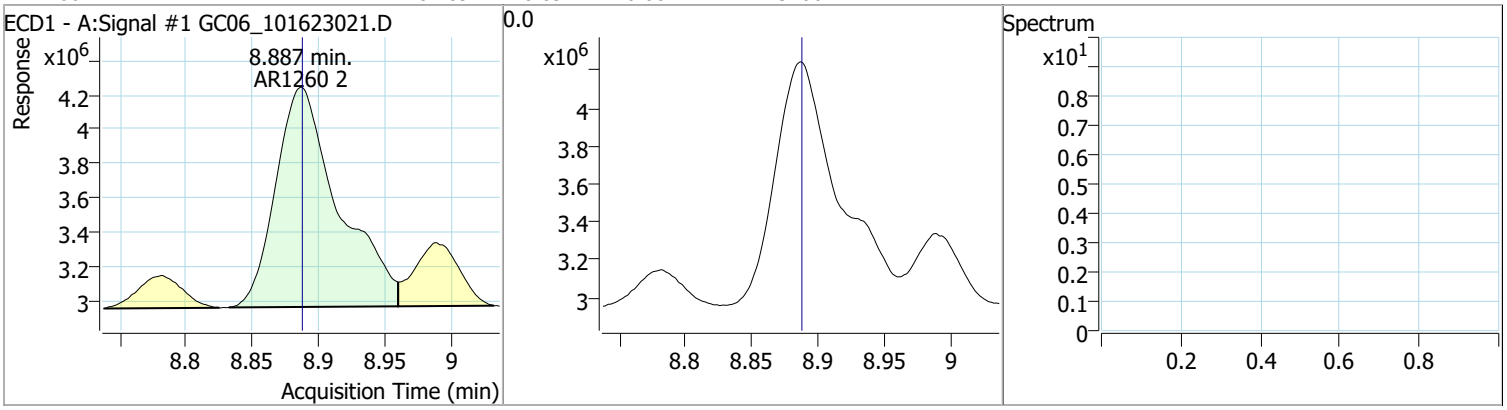

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 249.0155 | 7.37 | 0.00 | 3722885 | | | | |



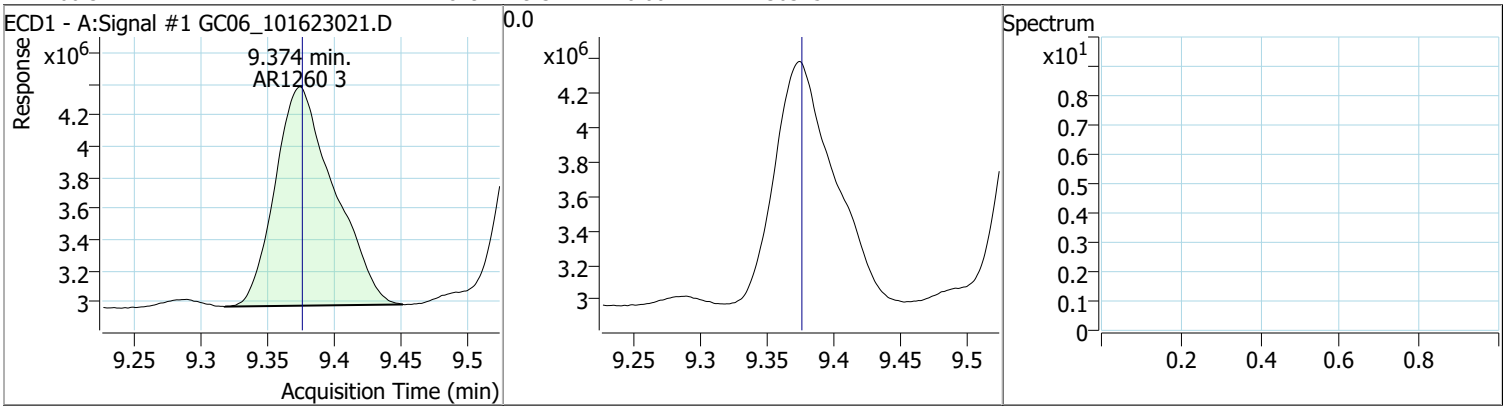
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 259.4642 | 8.36 | 0.00 | 2832476 | | | | |



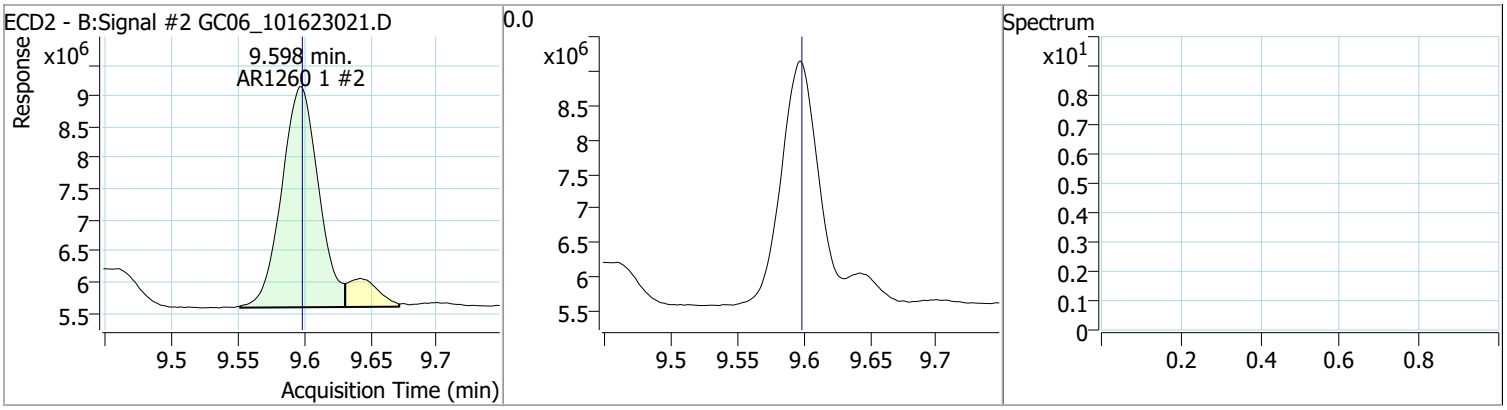

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 248.7892 | 8.89 | 0.00 | 4232067 | | | | |



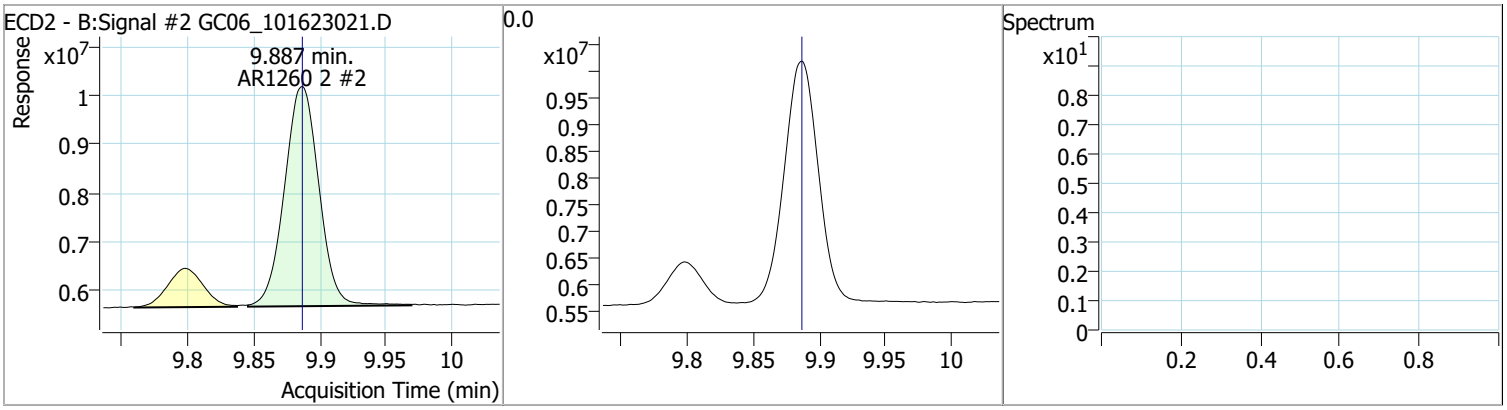

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 244.2819 | 9.37 | 0.00 | 4363452 | | | | |



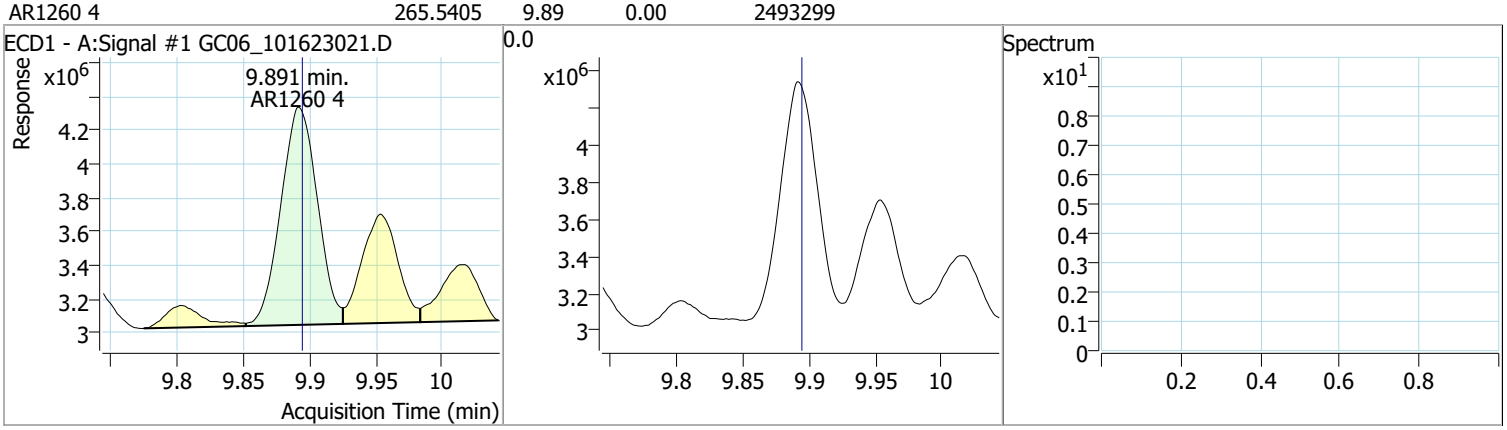

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 248.3678 | 9.60 | 0.00 | 6898074 | | | | |



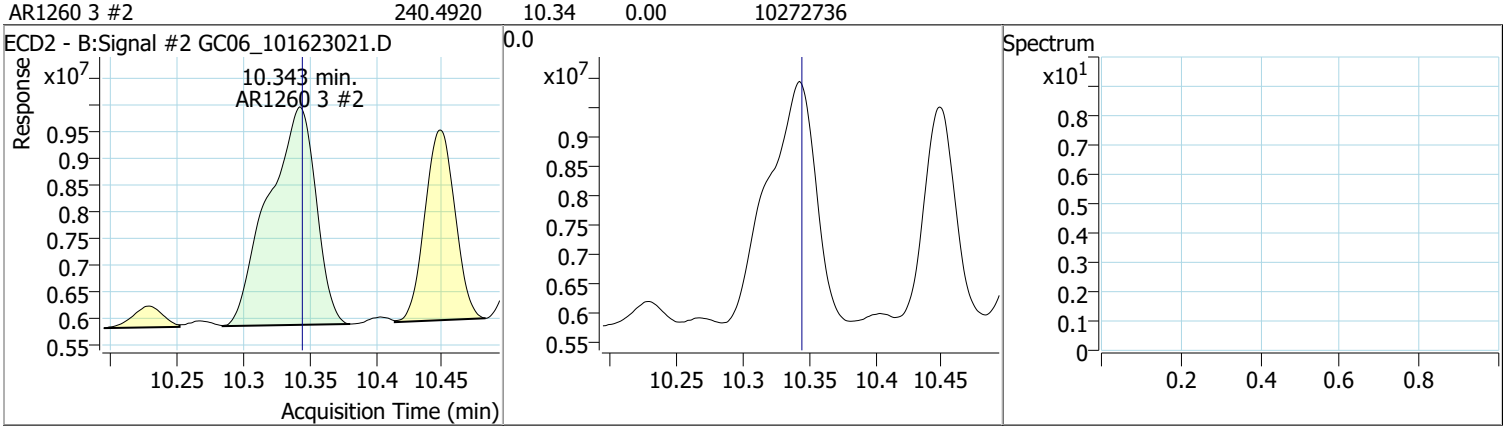
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 247.0008 | 9.89 | 0.00 | 8276721 | | | | |



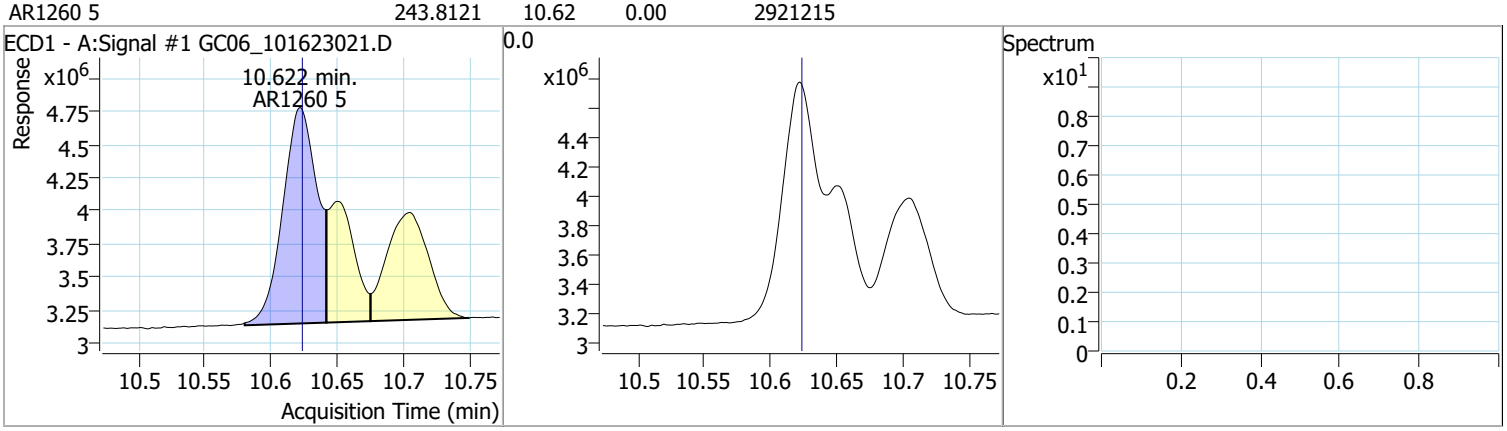

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 265.5405 | 9.89 | 0.00 | 2493299 | | | | |



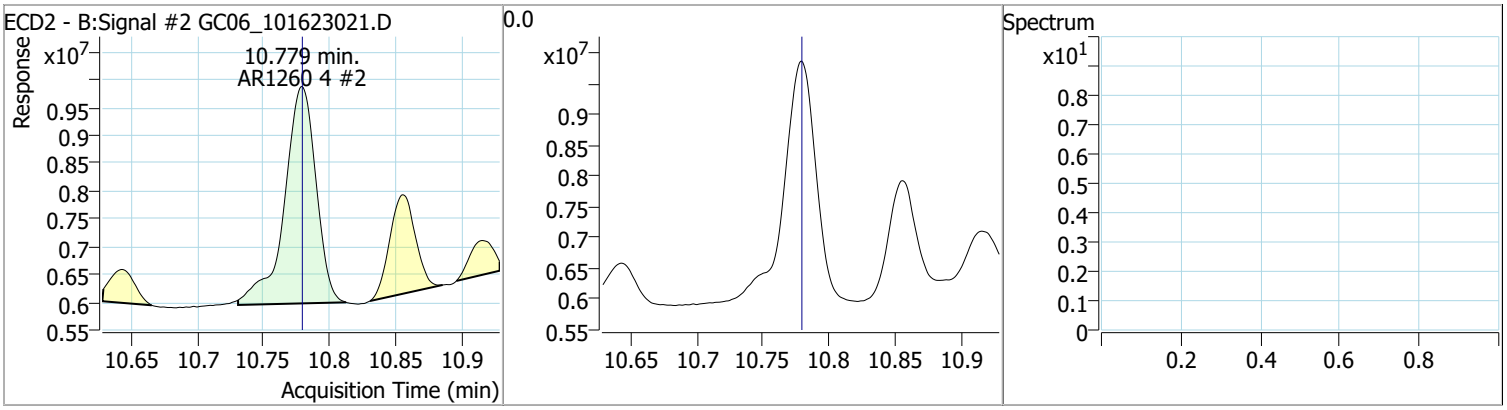

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 240.4920 | 10.34 | 0.00 | 10272736 | | | | |



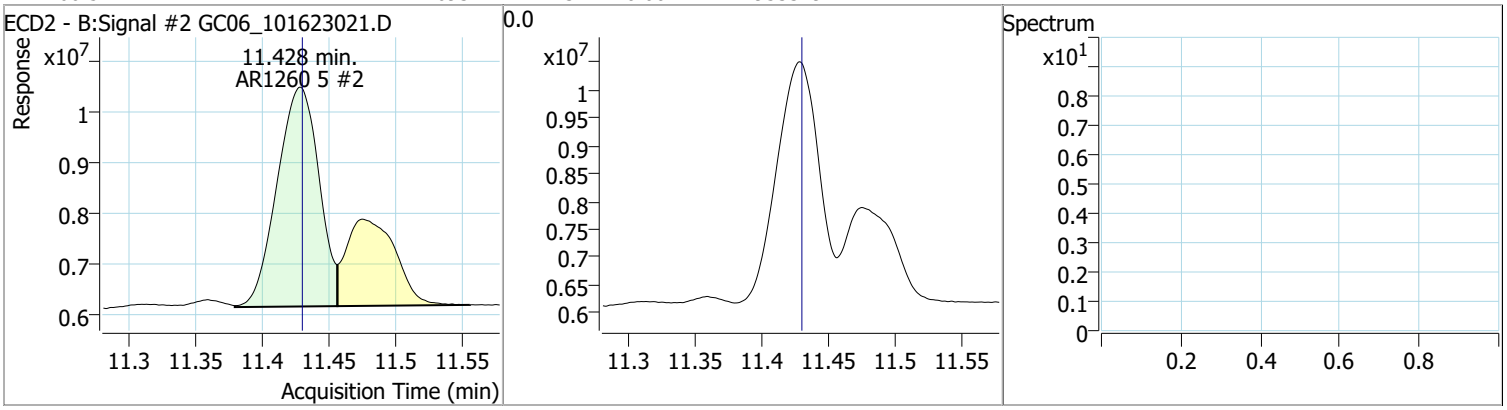

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 243.8121 | 10.62 | 0.00 | 2921215 | | | | |



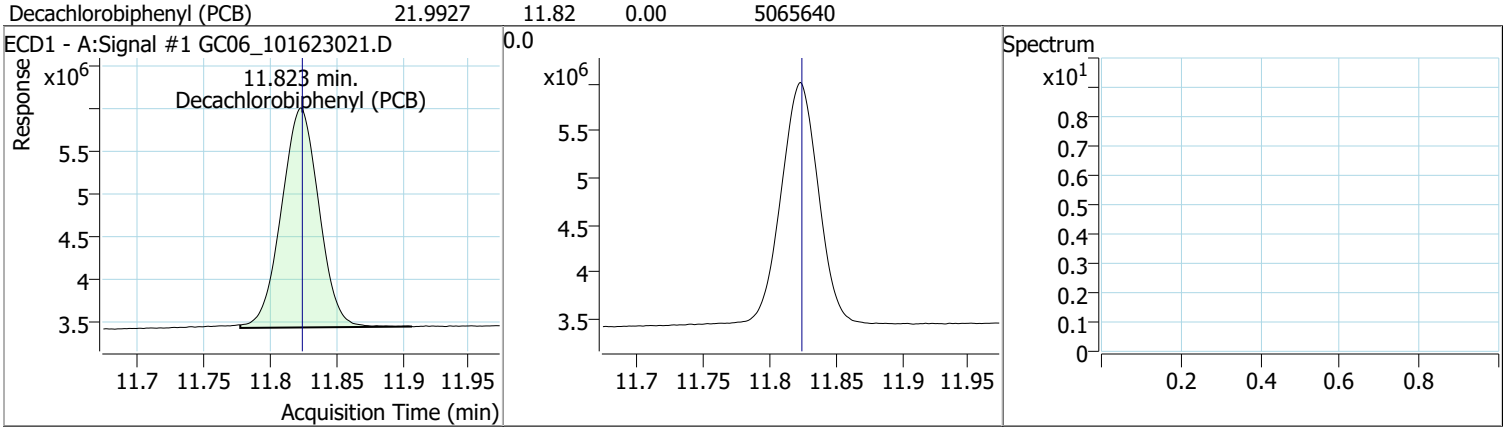
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 249.7943 | 10.78 | 0.00 | 6486959 | | | | |



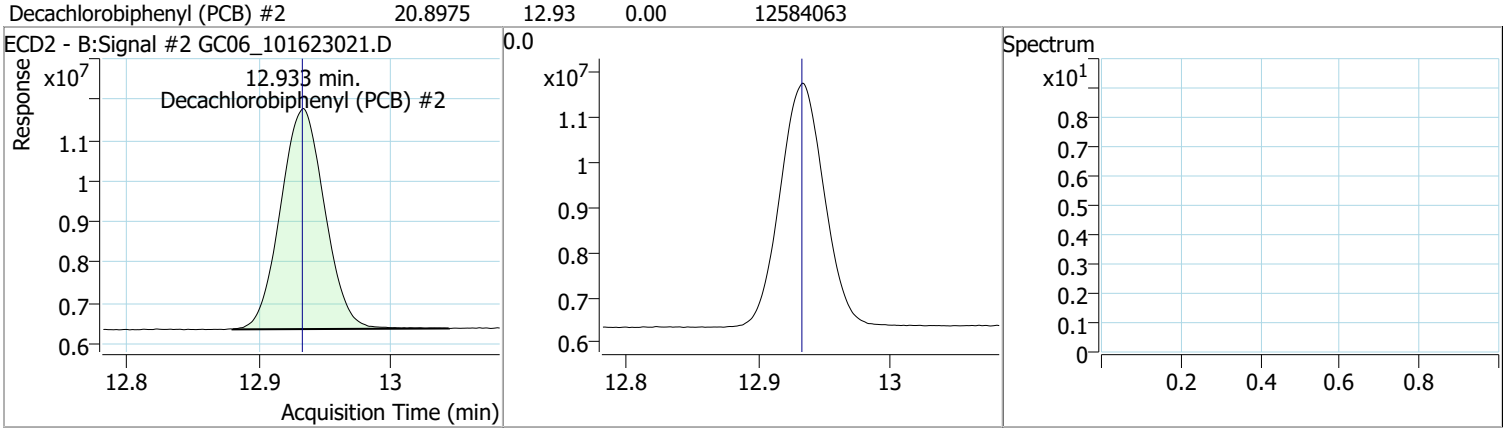

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 247.6937 | 11.43 | 0.00 | 9533291 | | | | |




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

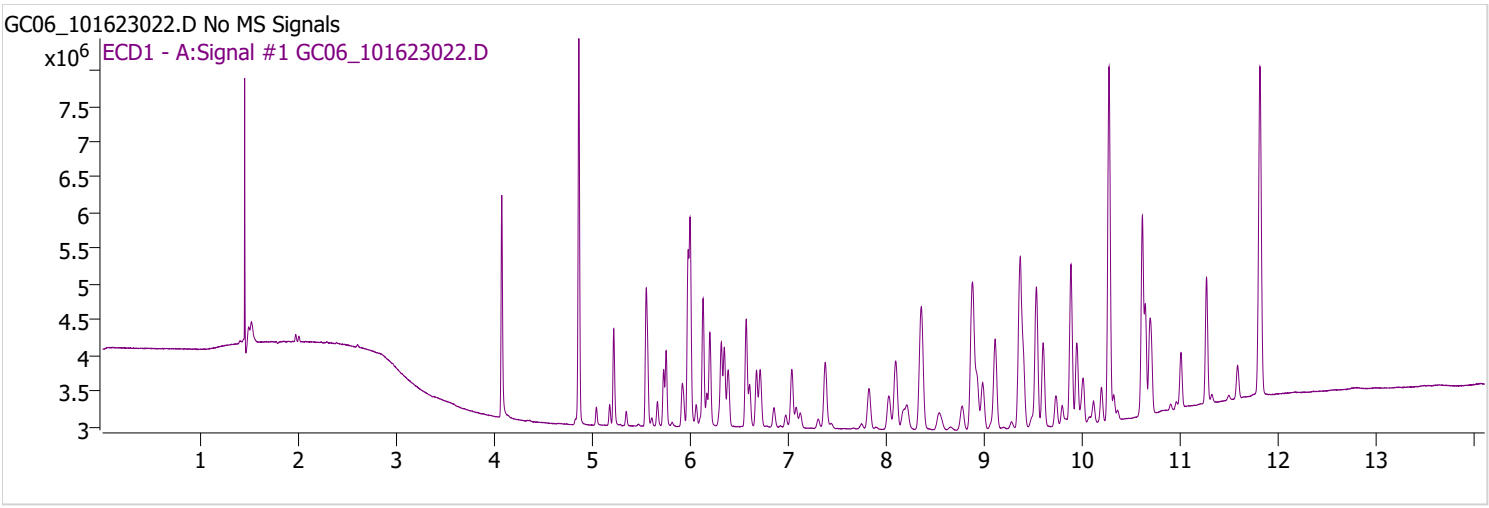


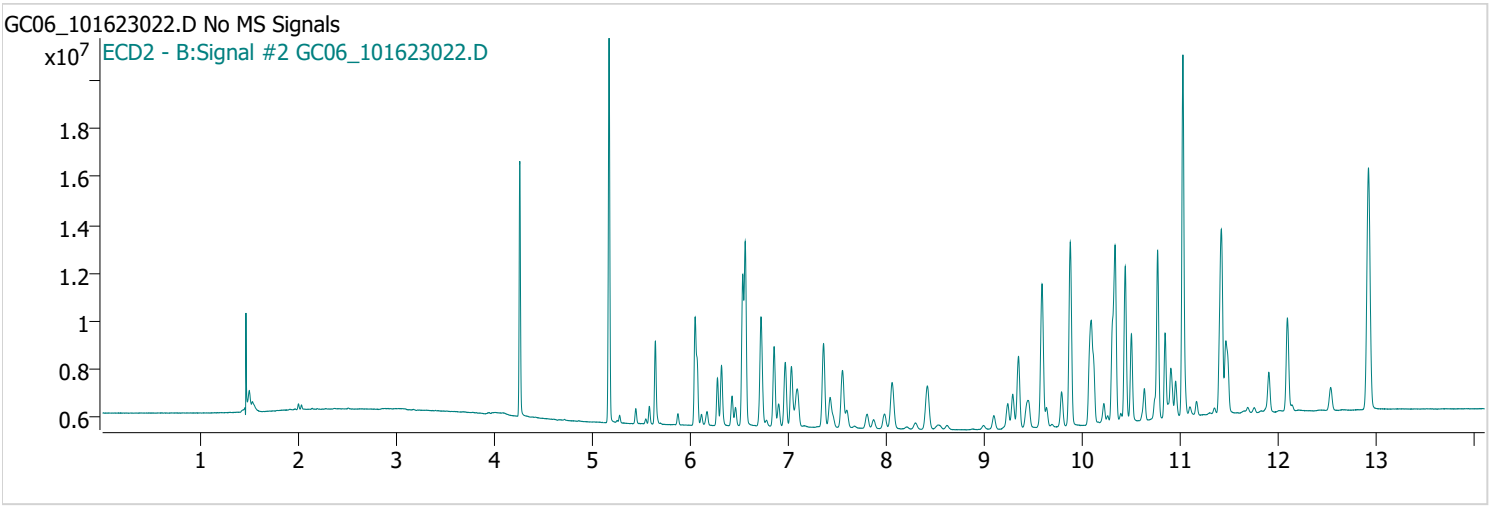

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 20.8975 | 12.93 | 0.00 | 12584063 | | | | |



# Quantitation Results Report (Not Reviewed)

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



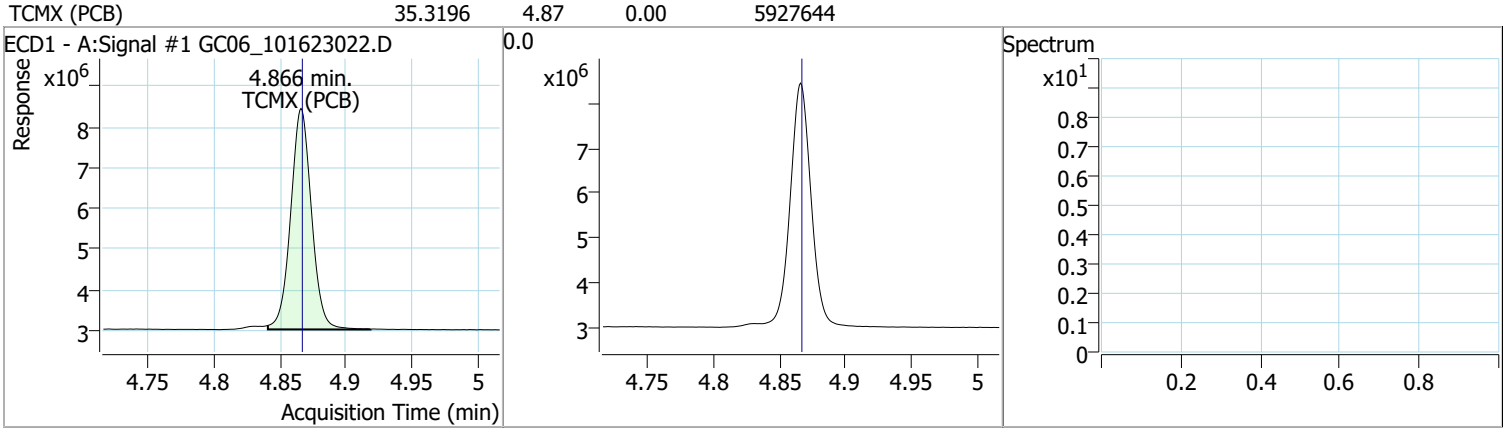




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.078 | 0.0 | 3373162.493 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 9766720.453 | 20.0000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

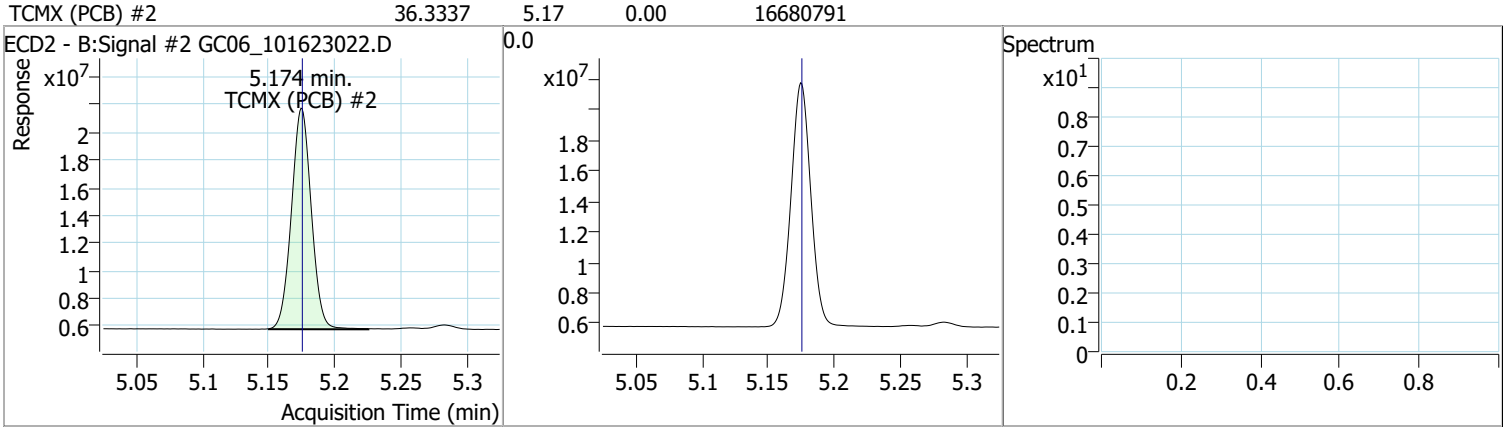
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.223 | 0.0 | 1774890.456 | 484.7998 | ng/ml | | 100 |
| T AR1016 2 | 5.555 | 0.0 | 3345121.641 | 455.2330 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.648 | 0.0 | 4333688.235 | 479.8579 | ng/ml |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

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

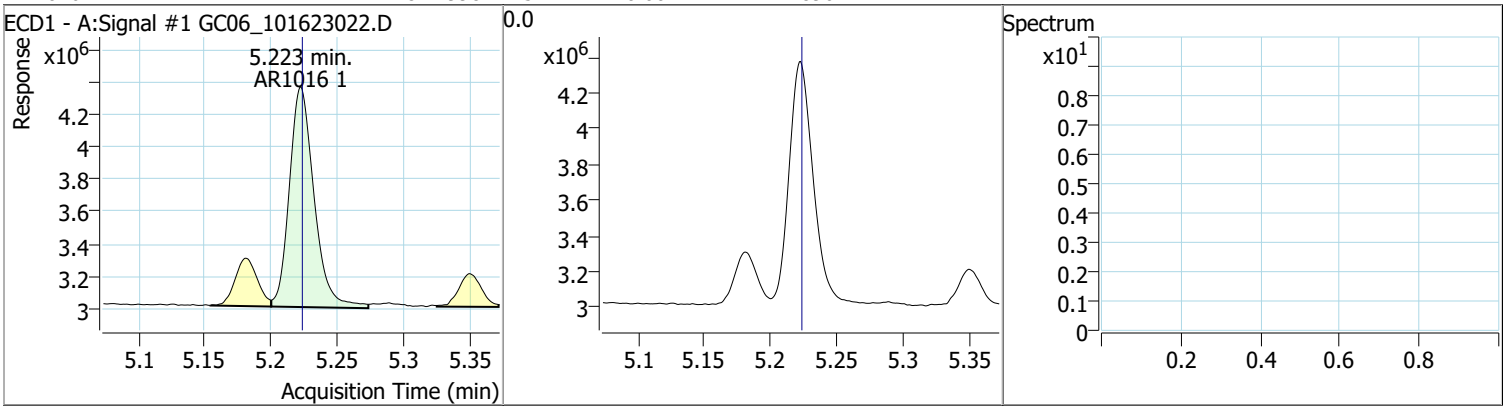
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 35.3196 | 4.87 | 0.00 | 5927644 | | | | |



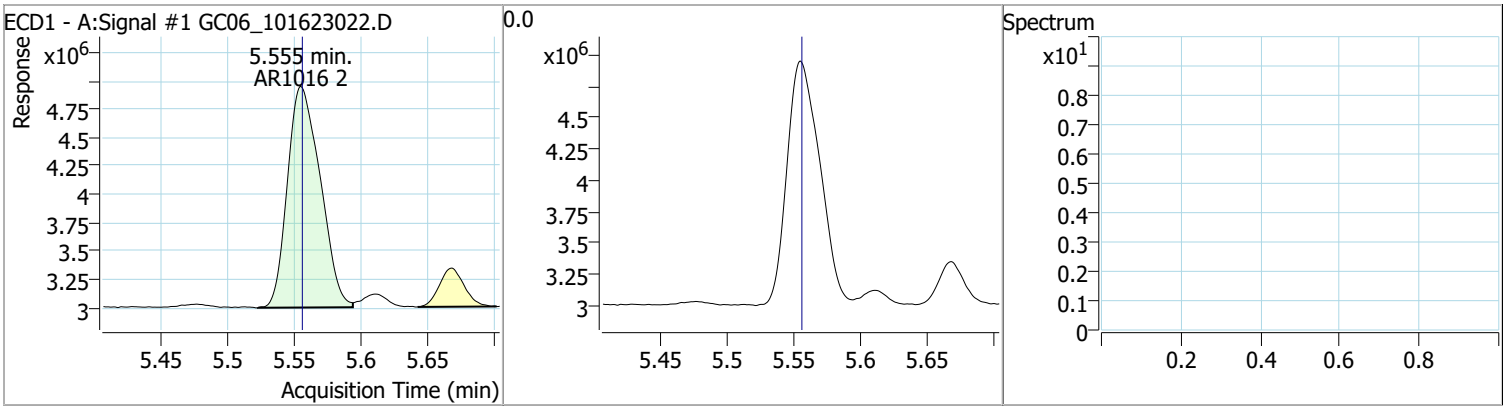

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 36.3337 | 5.17 | 0.00 | 16680791 | | | | |



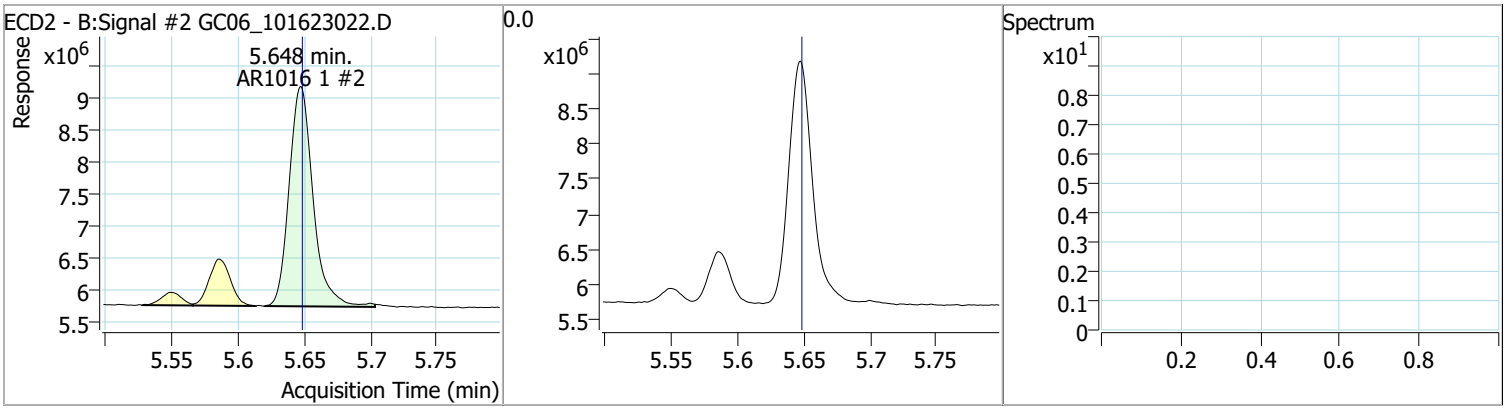

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 484.7998 | 5.22 | 0.00 | 1774890 | | | | |



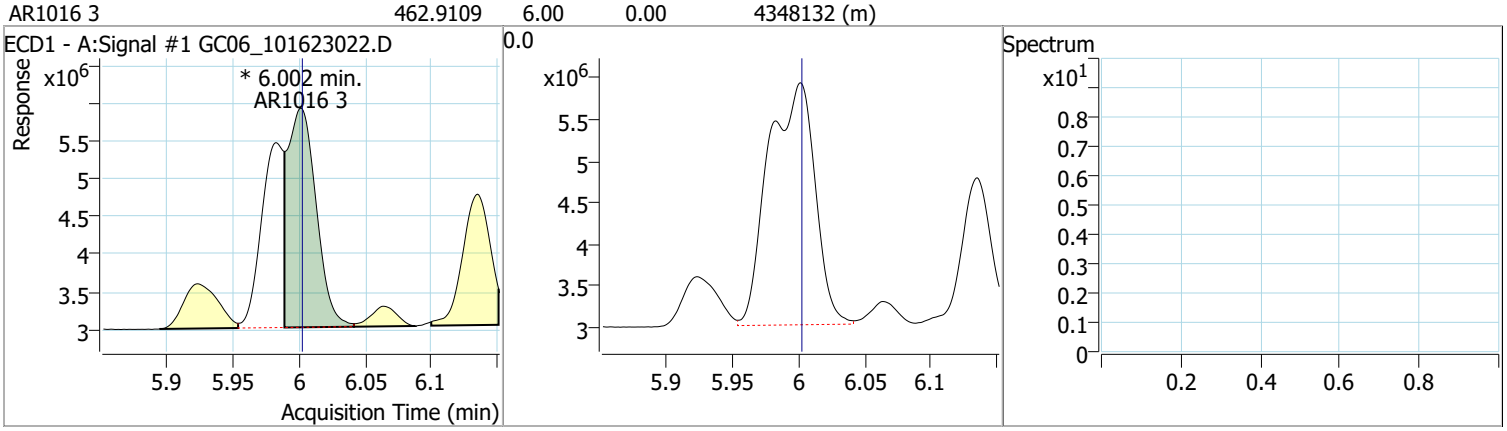

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 455.2330 | 5.56 | 0.00 | 3345122 | | | | |



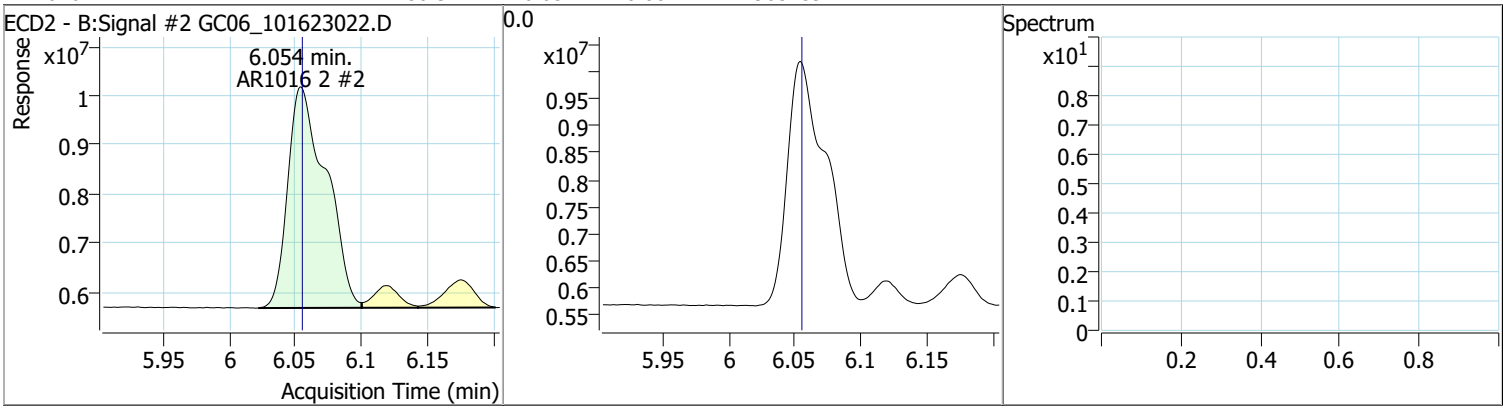
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 479.8579 | 5.65 | 0.00 | 4333688 | | | | |



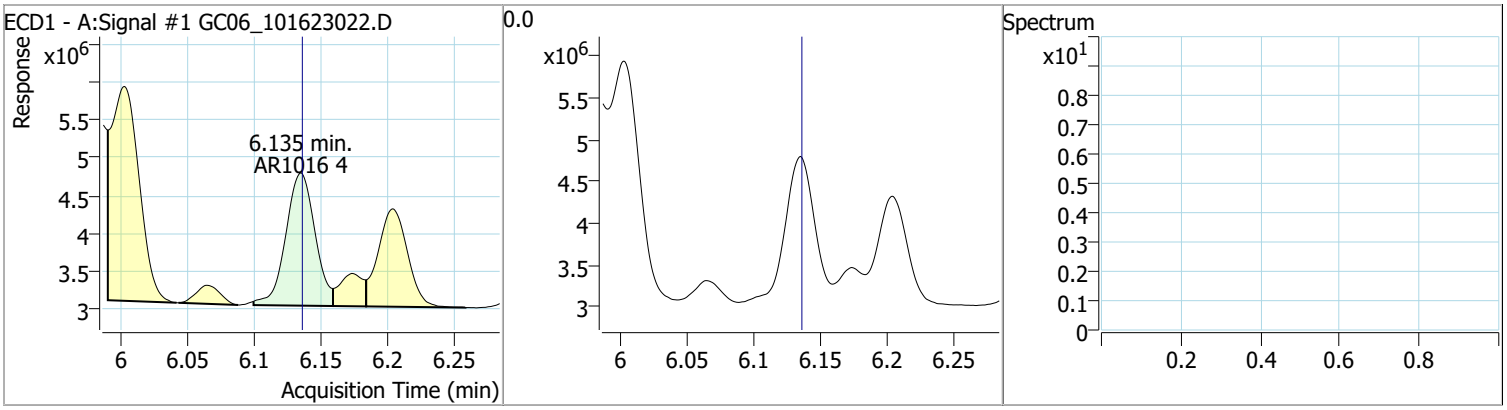

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 462.9109 | 6.00 | 0.00 | 4348132 (m) | | | | |



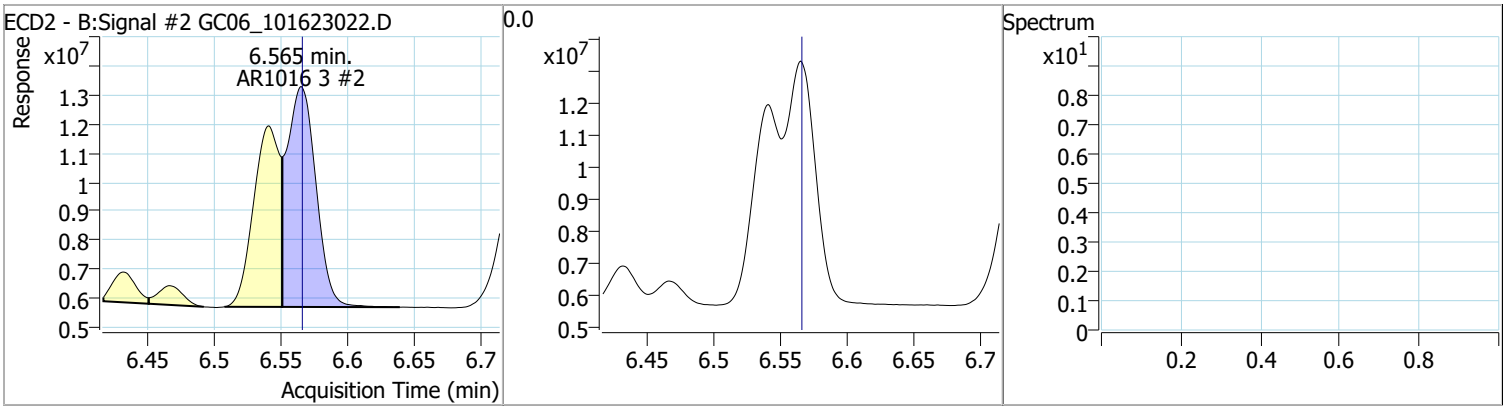

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 480.3112 | 6.05 | 0.00 | 9052592 | | | | |



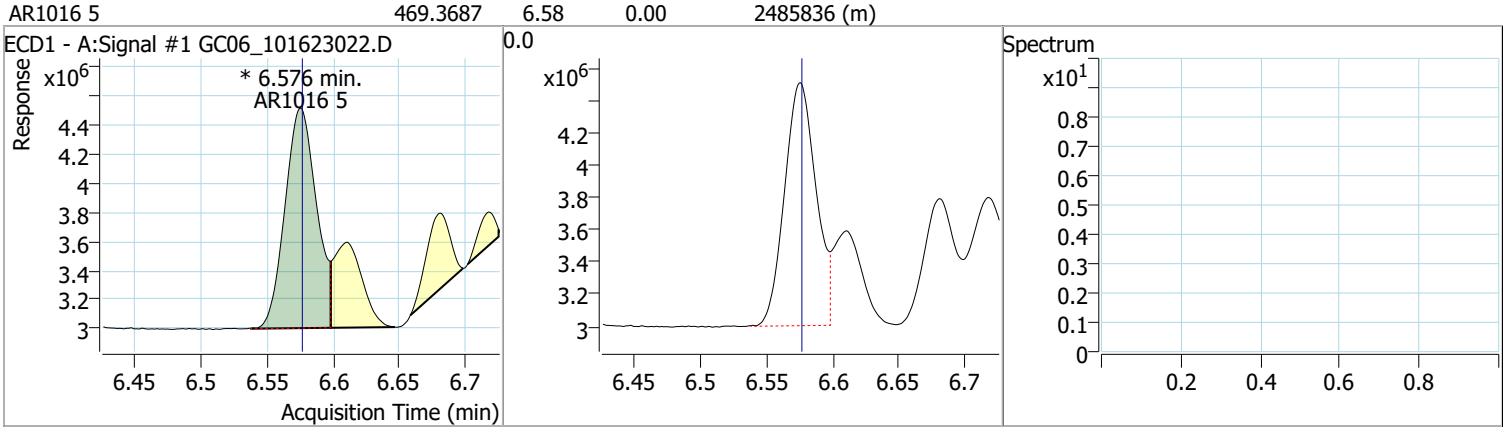

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 459.3311 | 6.14 | 0.00 | 2703341 | | | | |



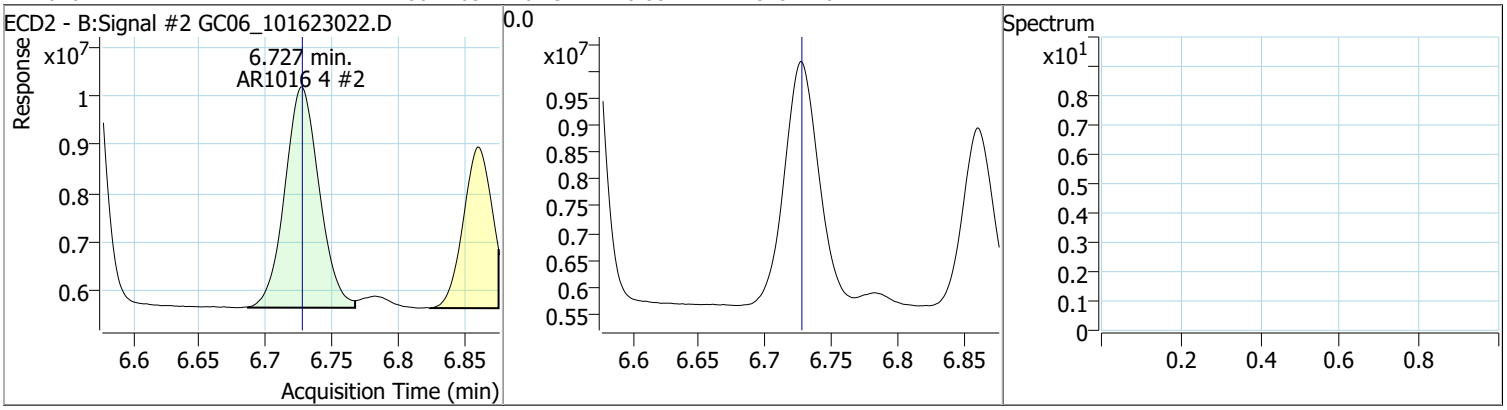
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 460.5302 | 6.57 | 0.00 | 11549920 | | | | |



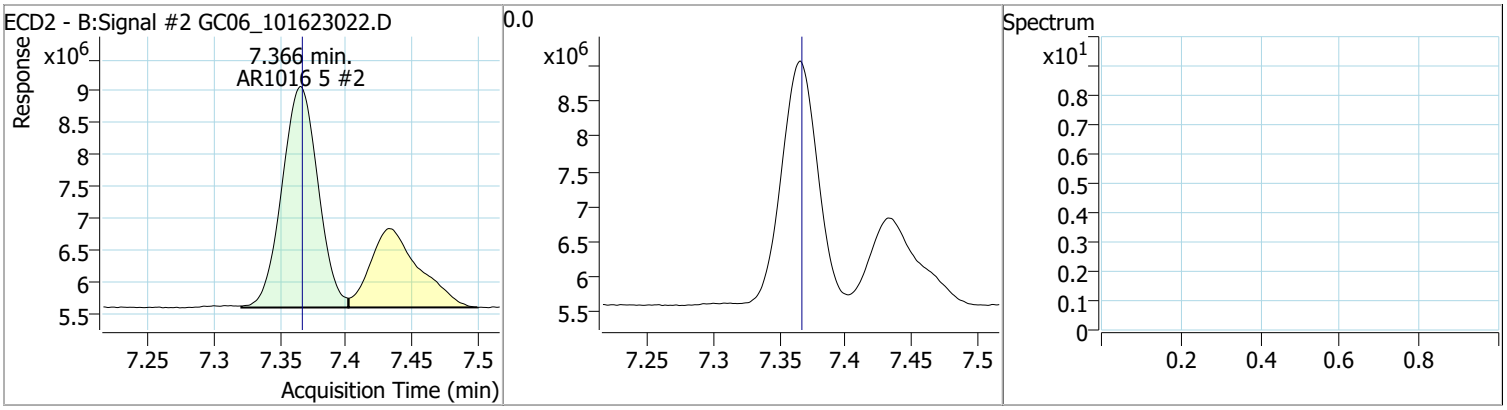

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 469.3687 | 6.58 | 0.00 | 2485836 (m) | | | | |



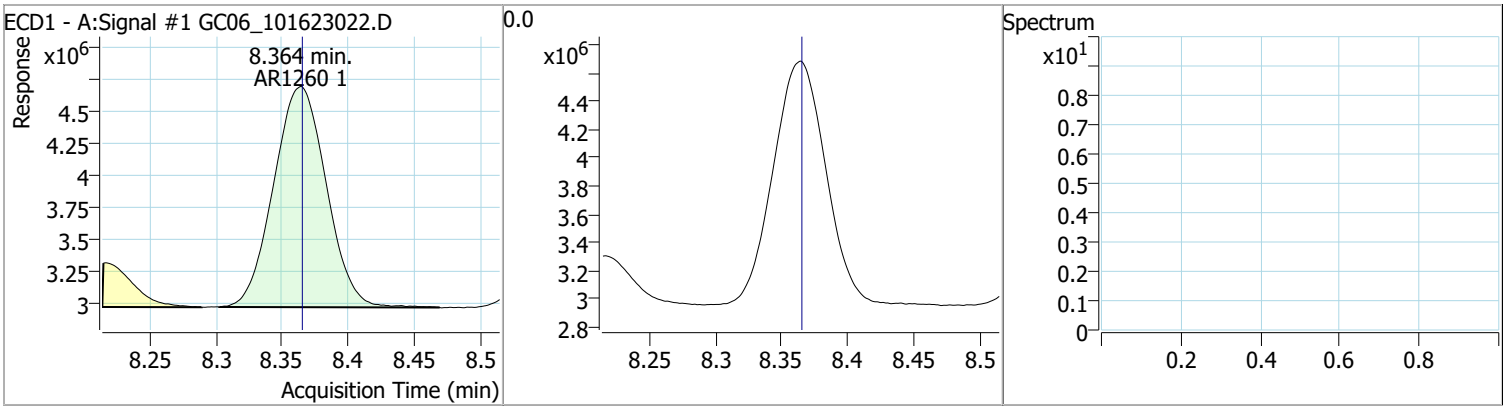

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 486.7765 | 6.73 | 0.00 | 8201220 | | | | |



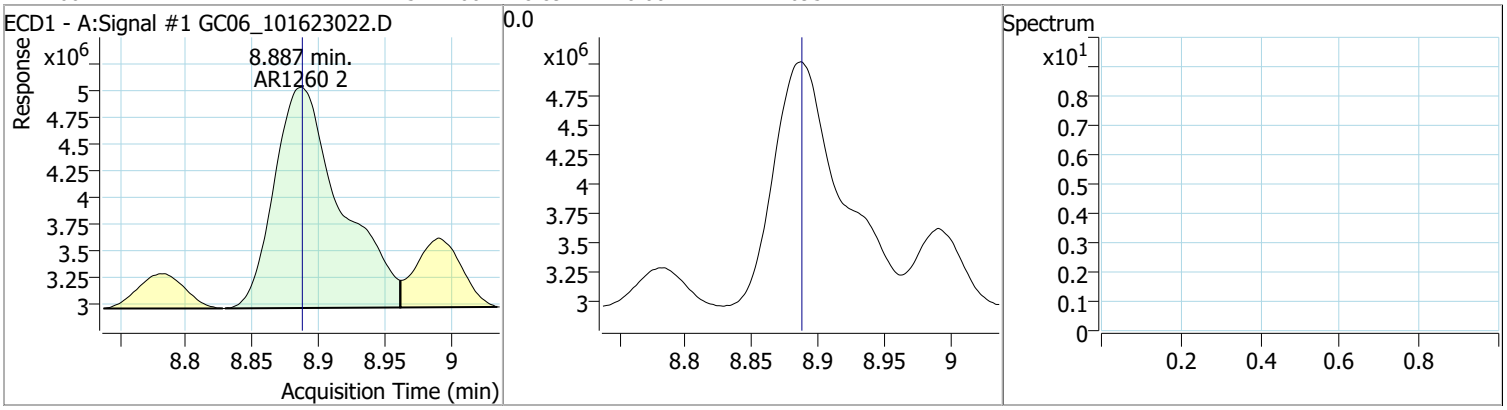

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 474.0863 | 7.37 | 0.00 | 6598788 | | | | |



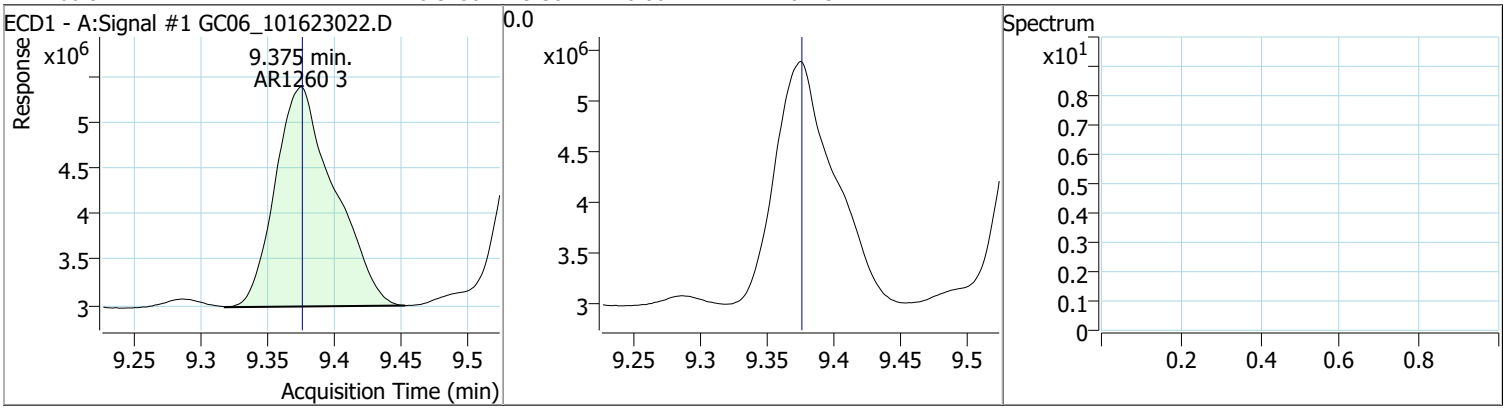
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 467.9769 | 8.36 | 0.00 | 4772604 | | | | |



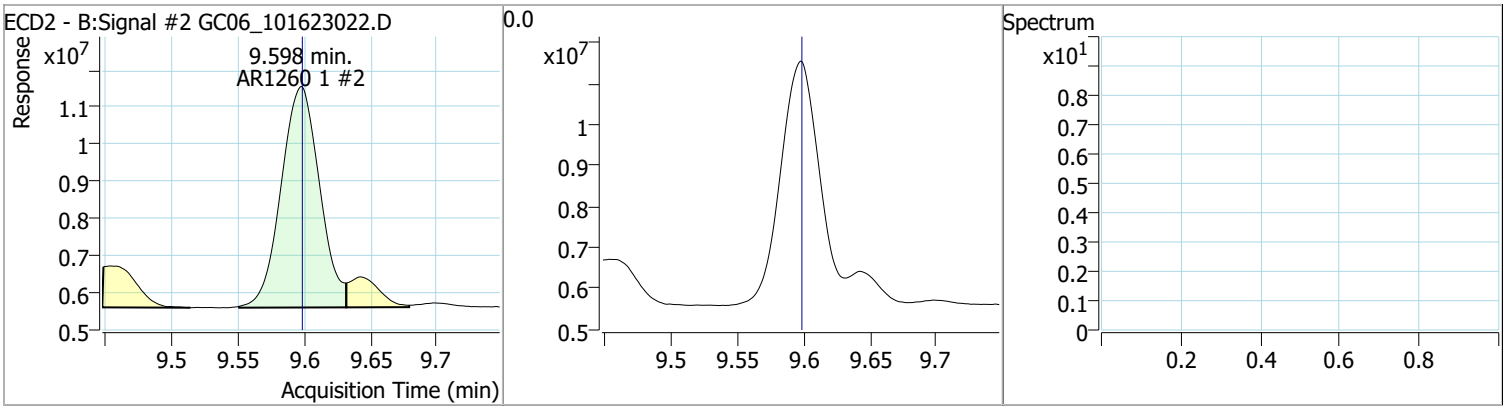

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 454.7700 | 8.89 | 0.00 | 7226952 | | | | |



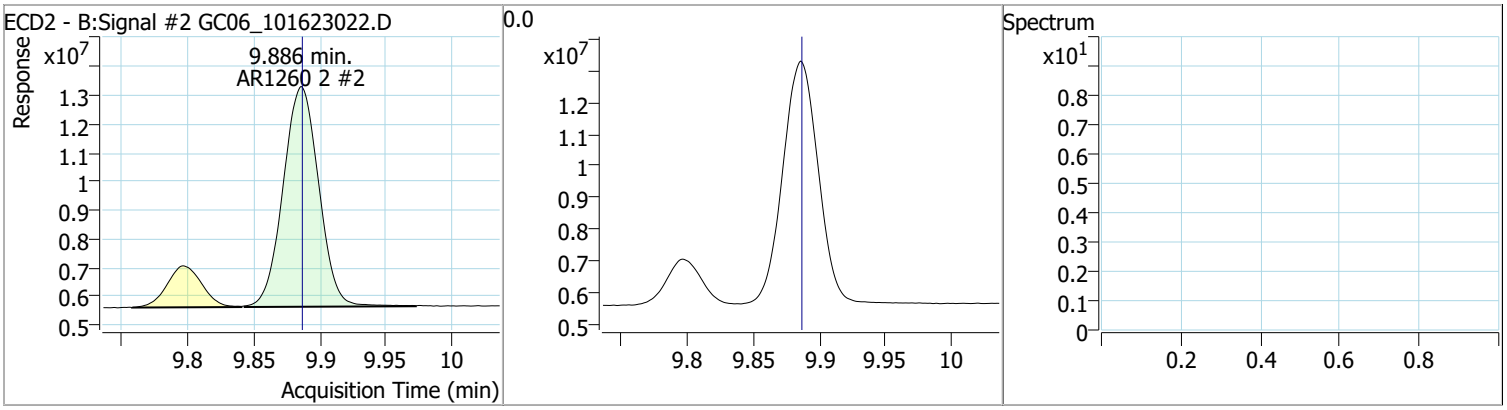

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 446.3758 | 9.38 | 0.00 | 7448723 | | | | |



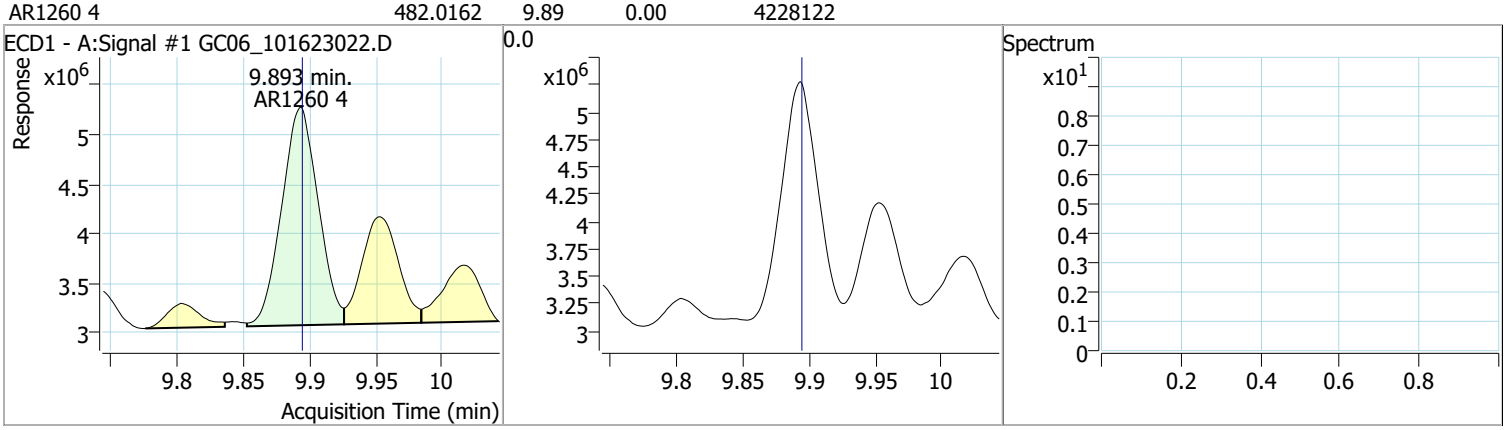

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 466.3568 | 9.60 | 0.00 | 12058805 | | | | |



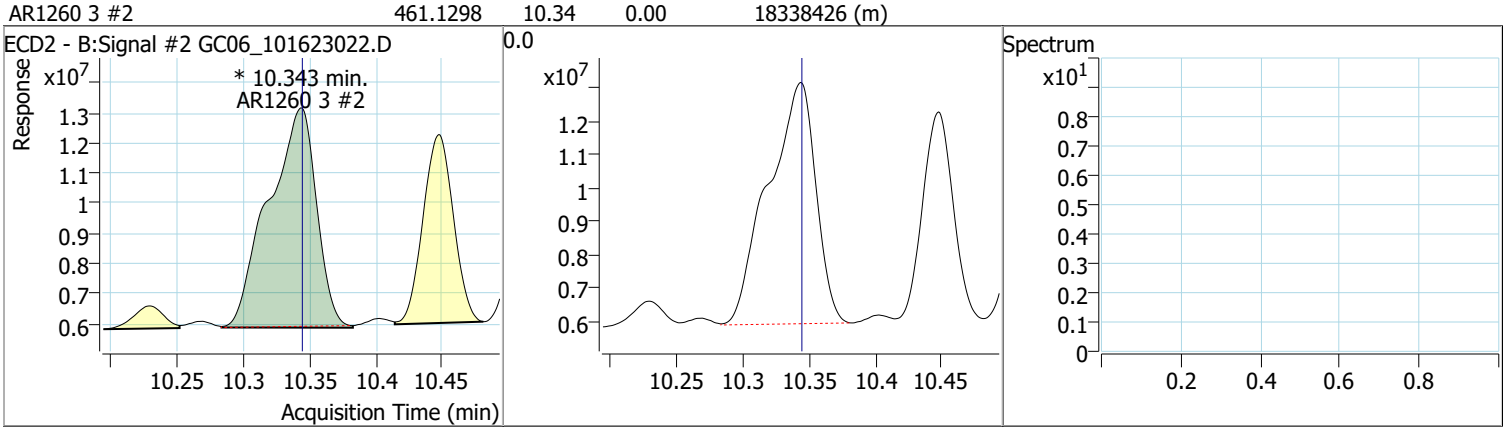
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 459.2850 | 9.89 | 0.00 | 14328337 | | | | |



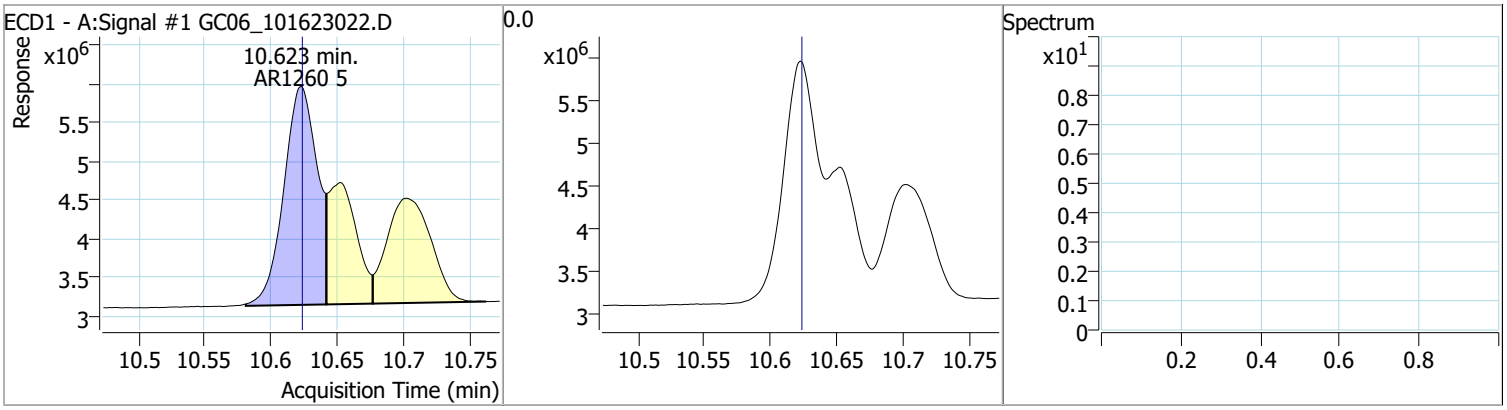

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 482.0162 | 9.89 | 0.00 | 4228122 | | | | |



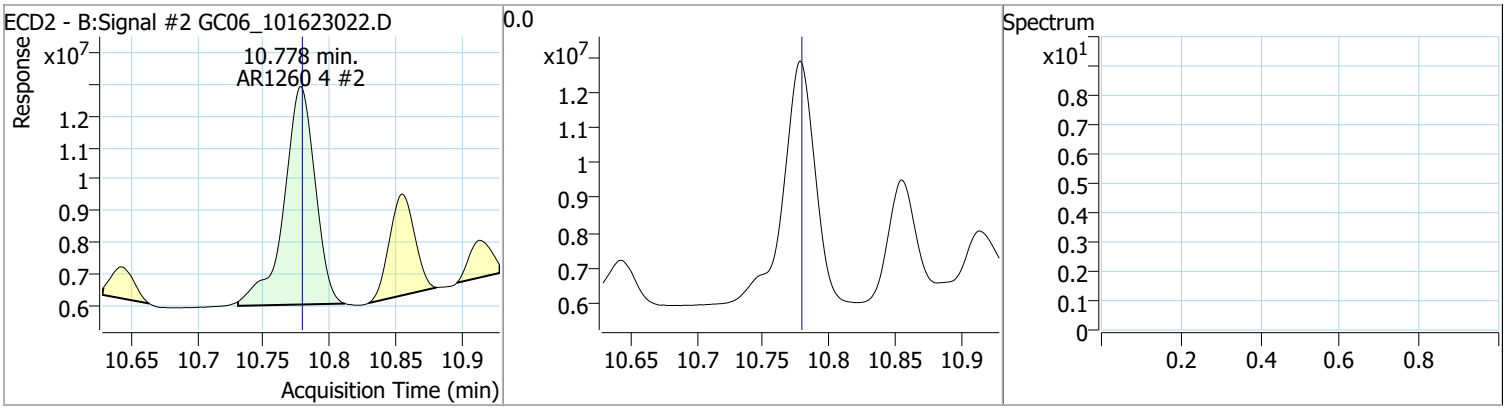

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 461.1298 | 10.34 | 0.00 | 18338426 (m) | | | | |



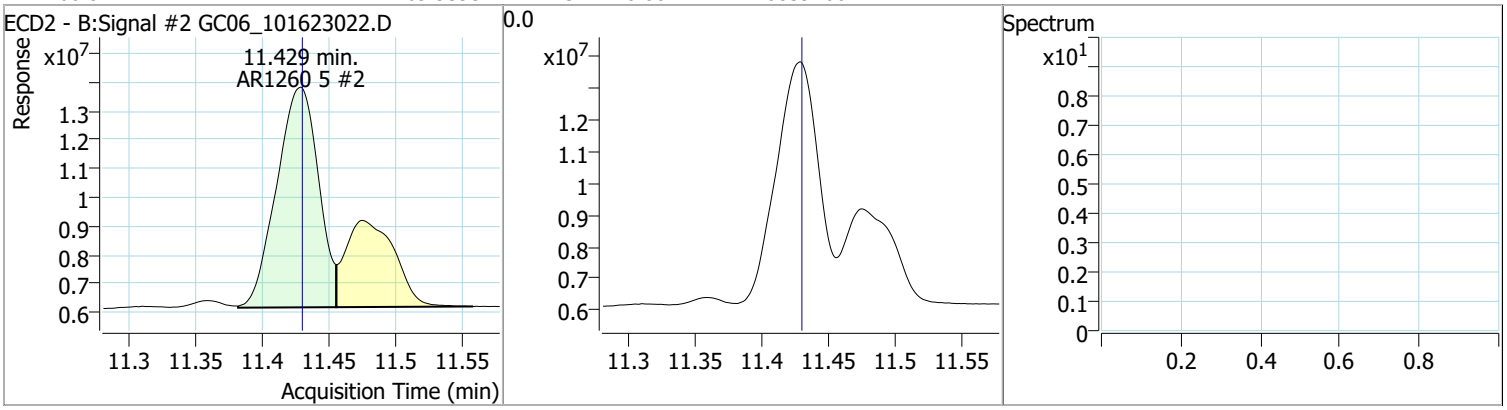

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 439.3797 | 10.62 | 0.00 | 4918024 | | | | |



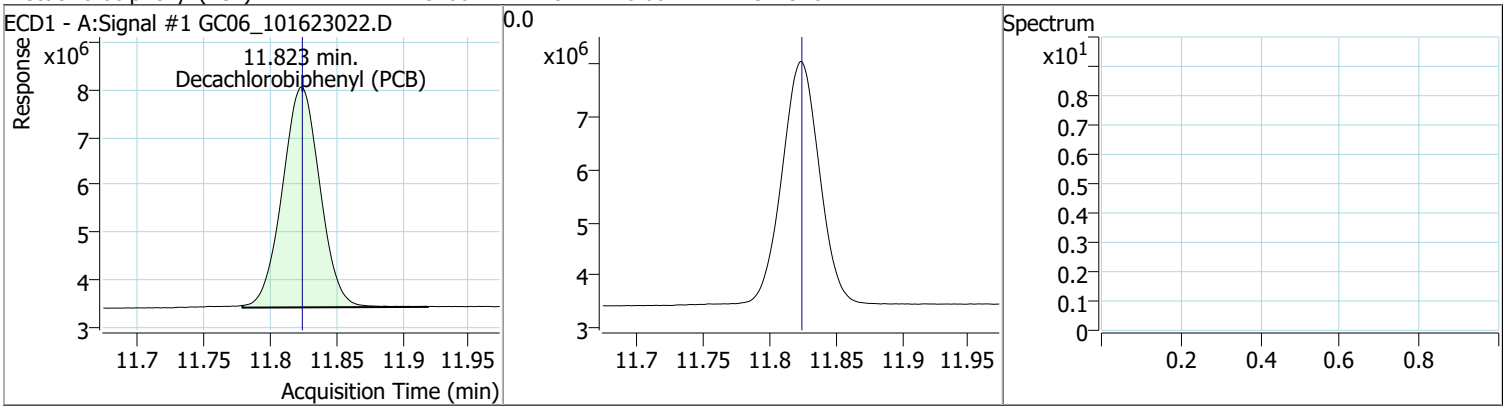
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 471.7265 | 10.78 | 0.00 | 11405188 | | | | |



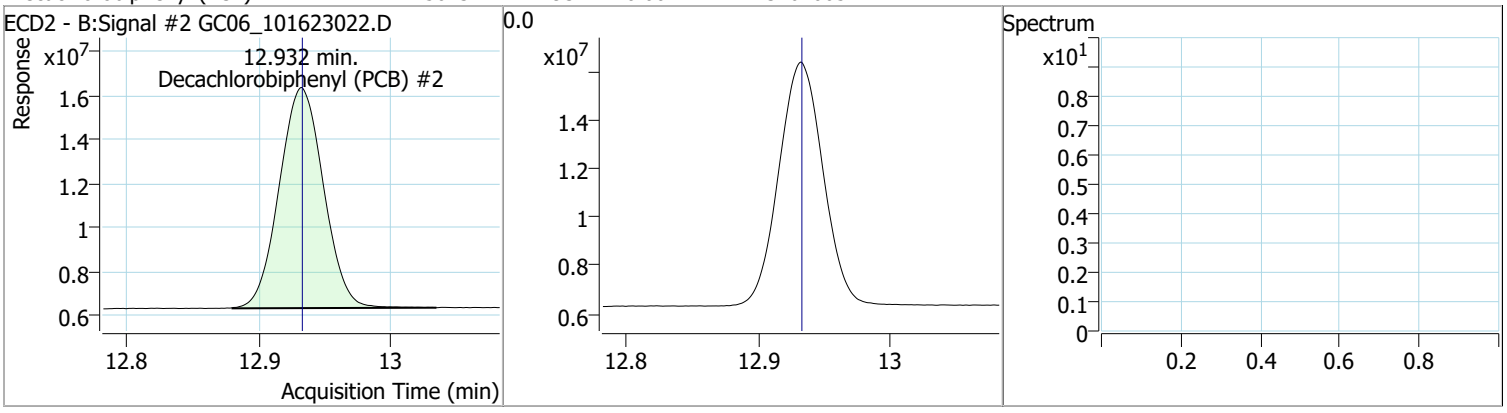

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 469.9393 | 11.43 | 0.00 | 16839266 | | | | |




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

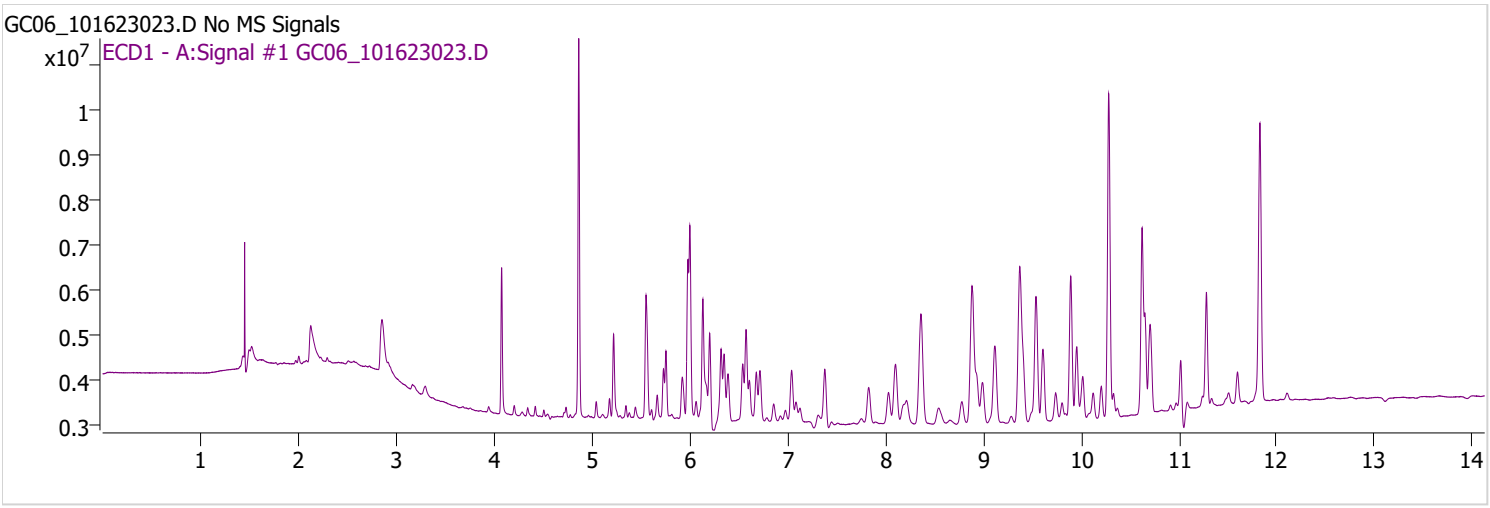


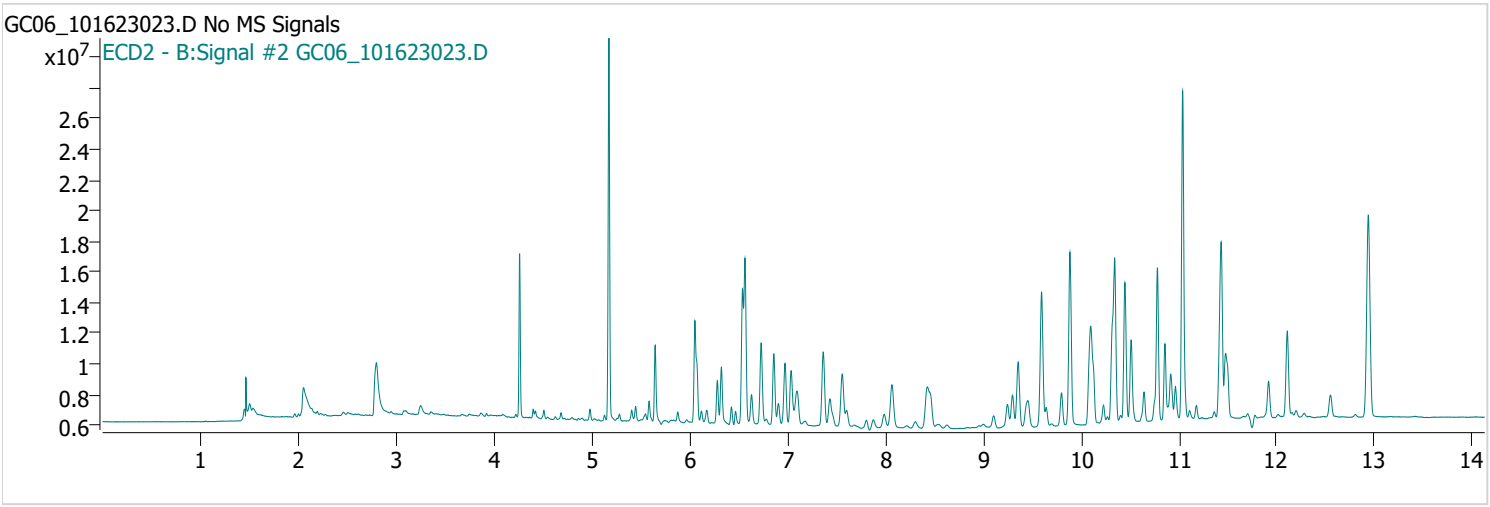

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 41.5013 | 12.93 | 0.00 | 23267005 | | | | |



# Quantitation Results Report (Not Reviewed)

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



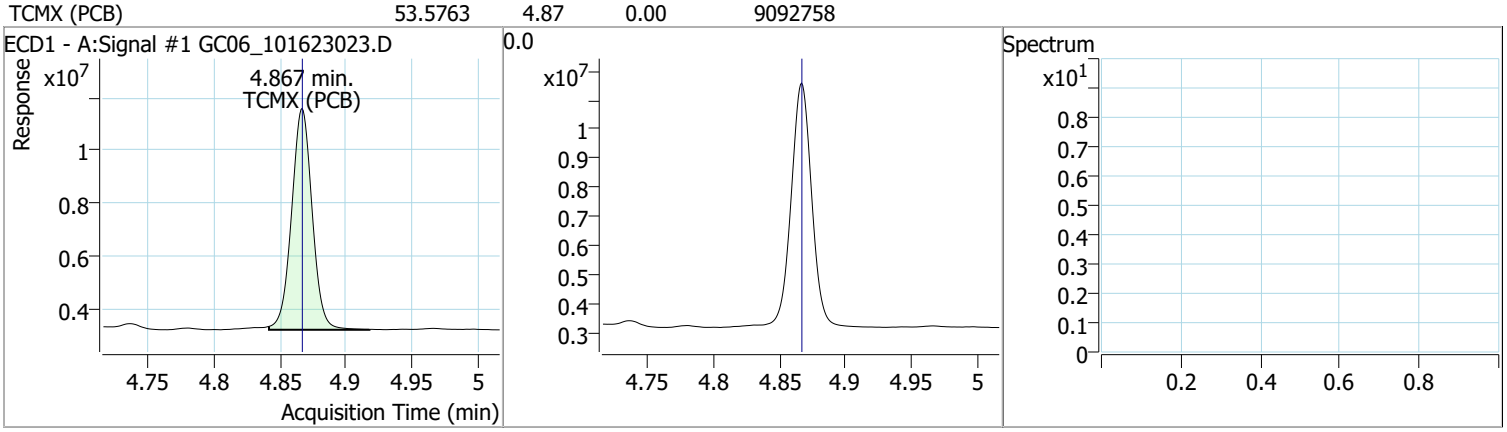




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.078 | 0.0 | 3411095.103 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 10002704.511 | 20.0000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

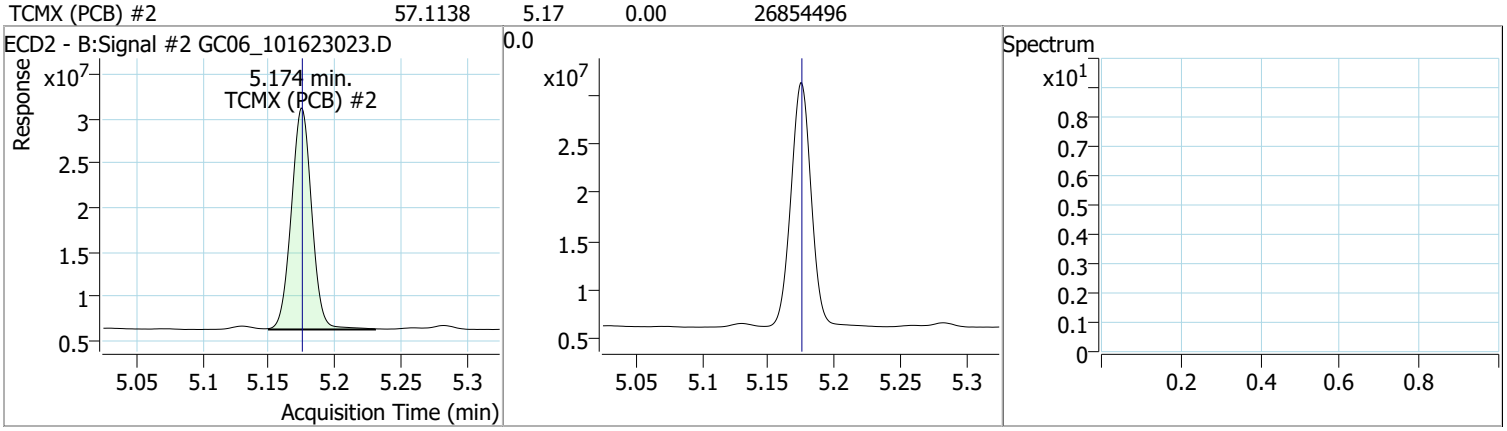
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.223 | 0.0 | 2565988.886 | 693.0892 | ng/ml | | 100 |
| T AR1016 2 | 5.554 | 0.0 | 4781200.290 | 643.4313 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.648 | 0.0 | 6686556.333 | 722.9176 | ng/ml |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

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

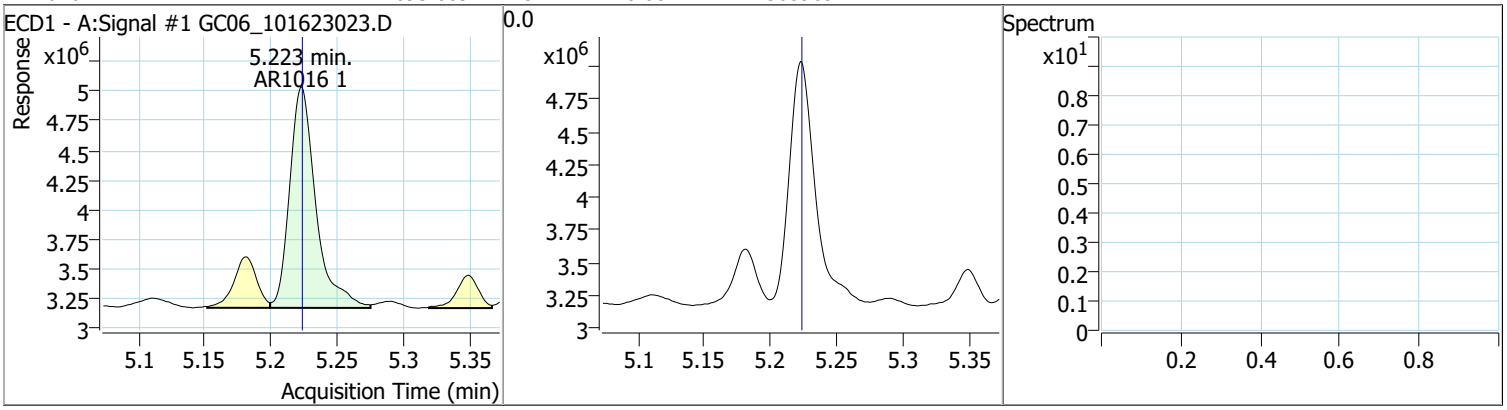
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 53.5763 | 4.87 | 0.00 | 9092758 | | | | |



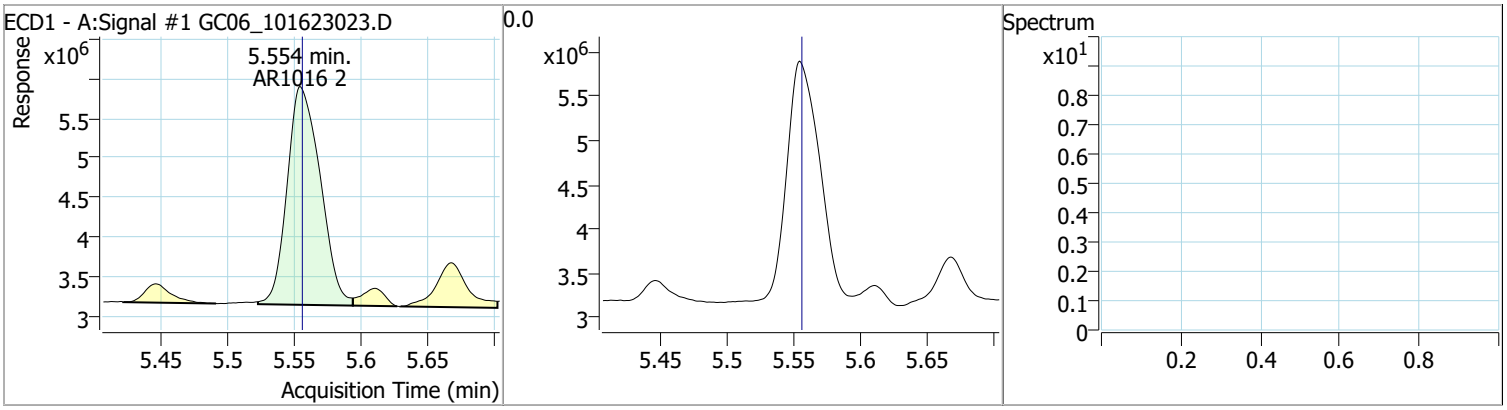

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 57.1138 | 5.17 | 0.00 | 26854496 | | | | |



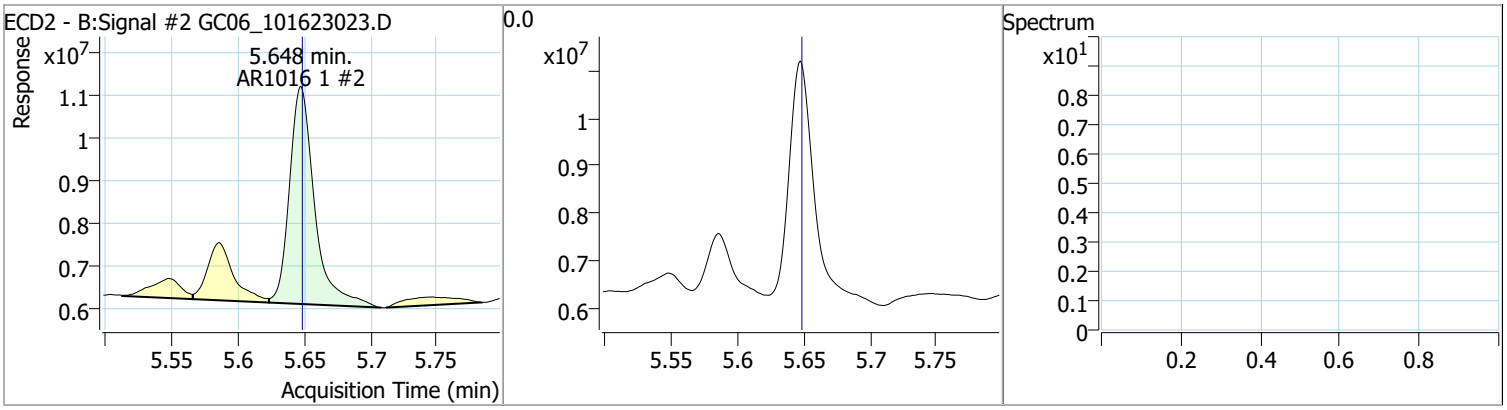

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 693.0892 | 5.22 | 0.00 | 2565989 | | | | |



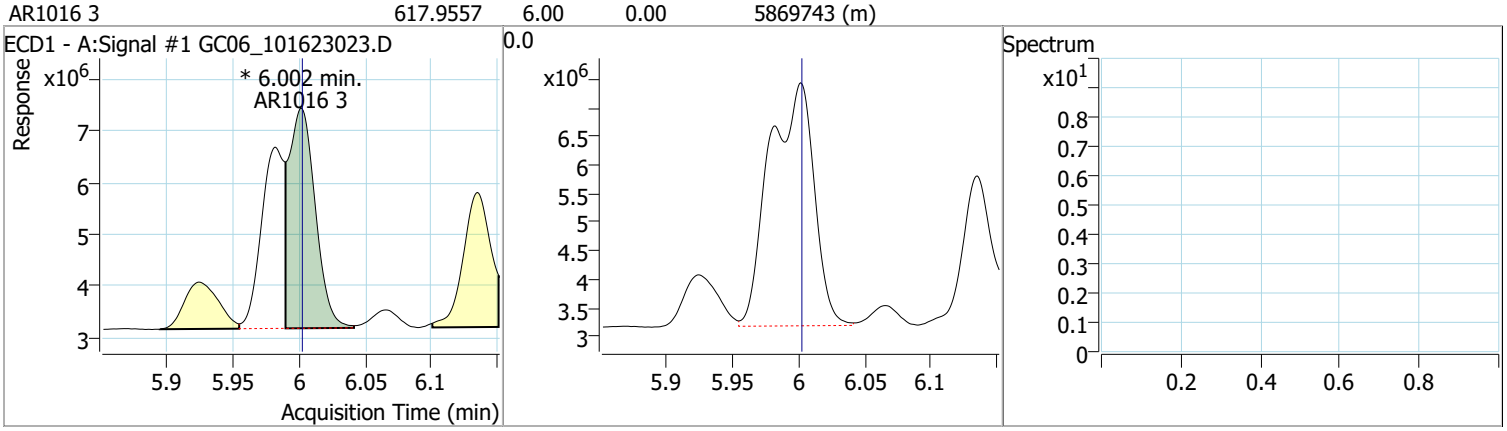

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 643.4313 | 5.55 | 0.00 | 4781200 | | | | |



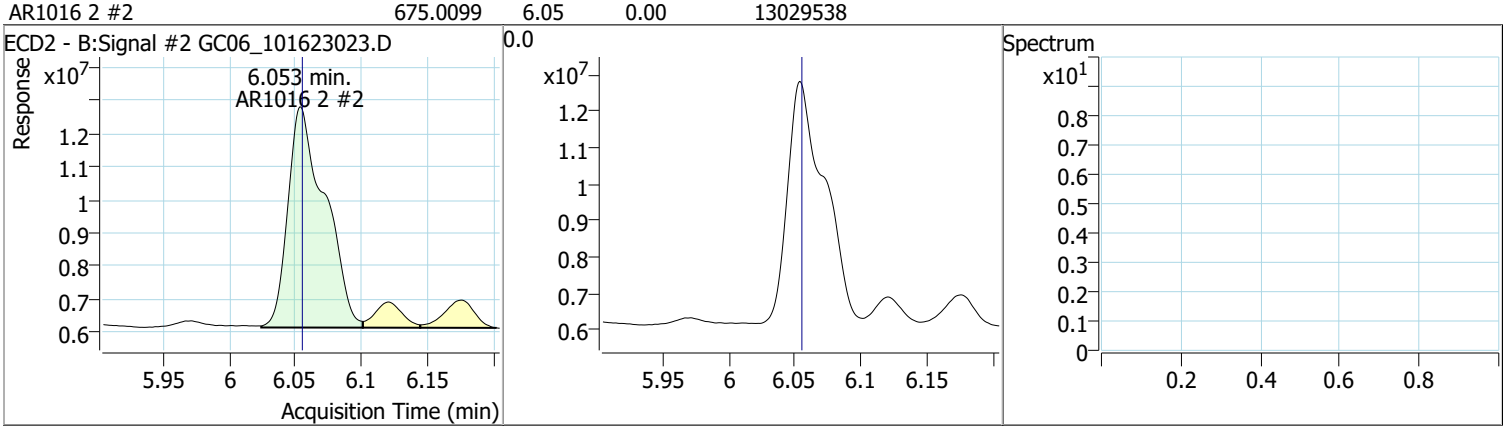
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 722.9176 | 5.65 | 0.00 | 6686556 | | | | |



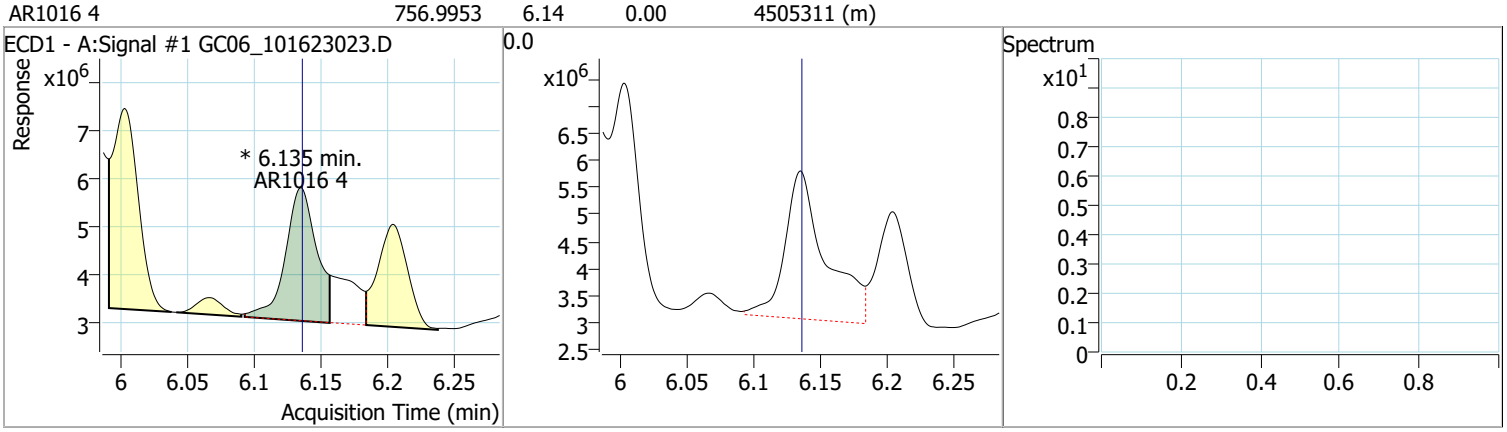

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 617.9557 | 6.00 | 0.00 | 5869743 (m) | | | | |



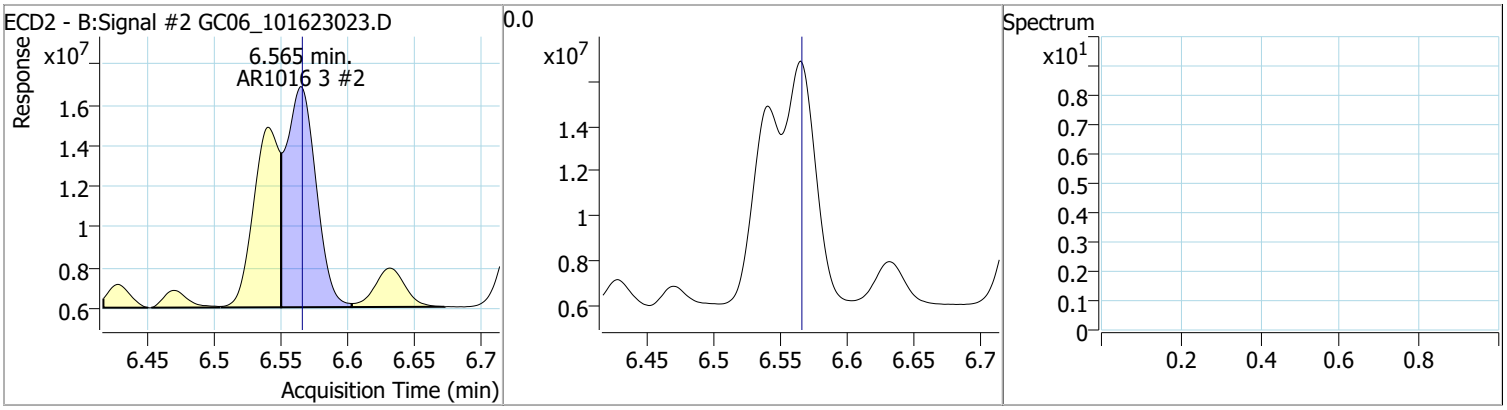

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 675.0099 | 6.05 | 0.00 | 13029538 | | | | |



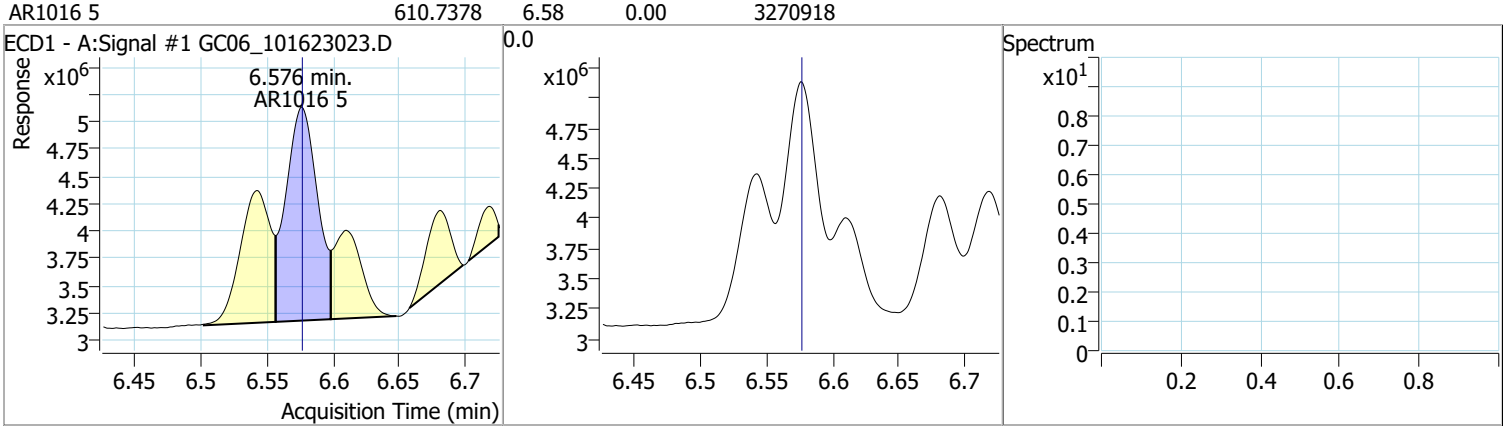

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 756.9953 | 6.14 | 0.00 | 4505311 (m) | | | | |



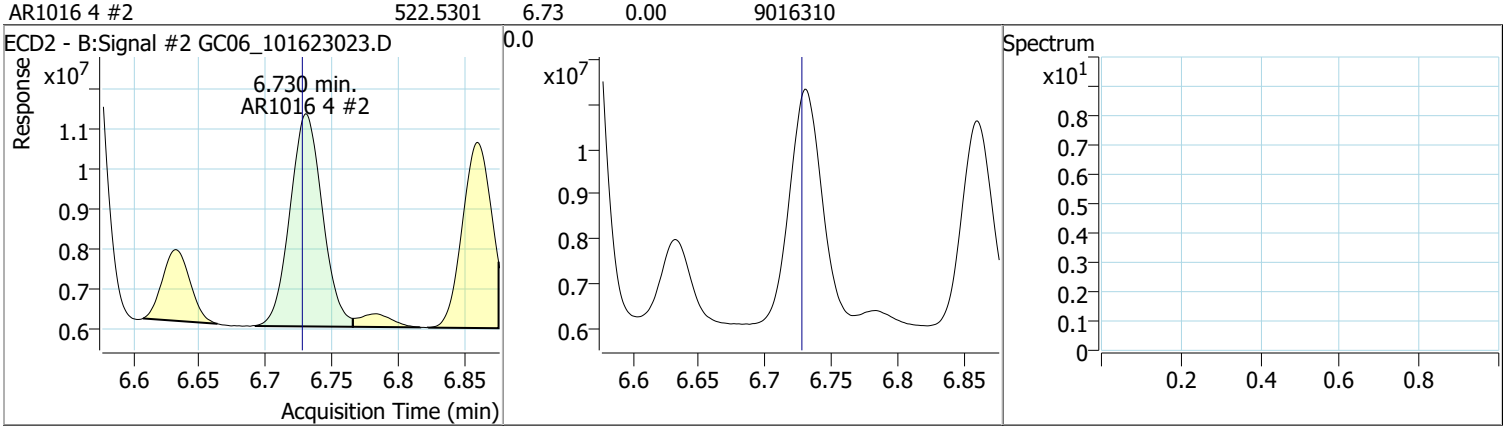
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 662.4243 | 6.57 | 0.00 | 17014757 | | | | |



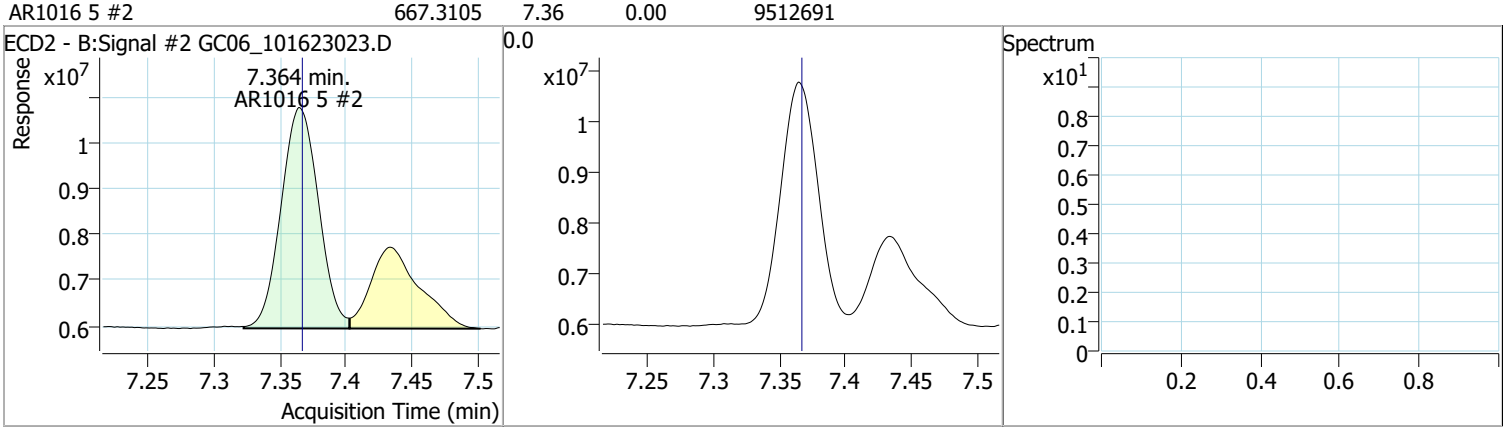

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 610.7378 | 6.58 | 0.00 | 3270918 | | | | |



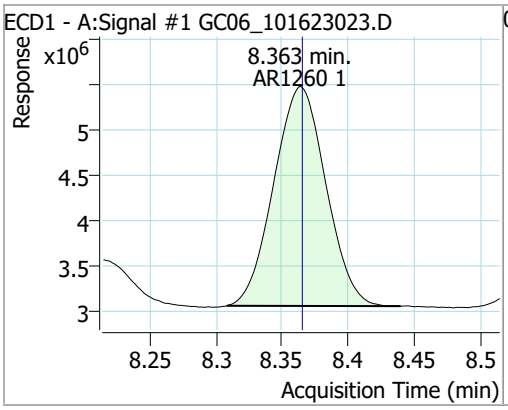

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 522.5301 | 6.73 | 0.00 | 9016310 | | | | |

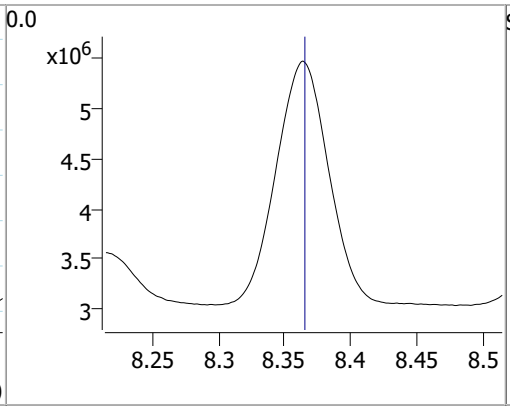


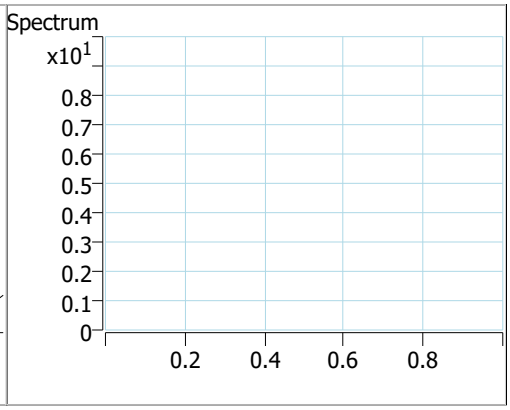

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 667.3105 | 7.36 | 0.00 | 9512691 | | | | |



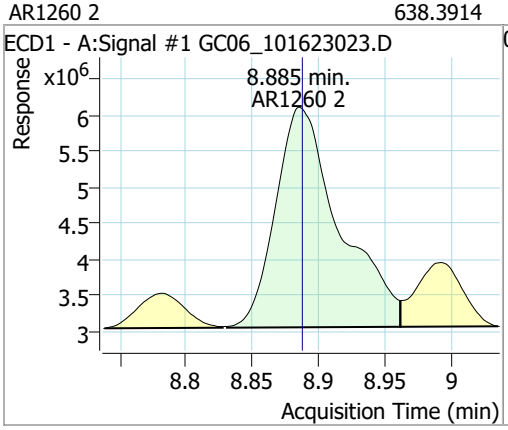
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 642.7431 | 8.36 | 0.00 | 6628649 | | | | |

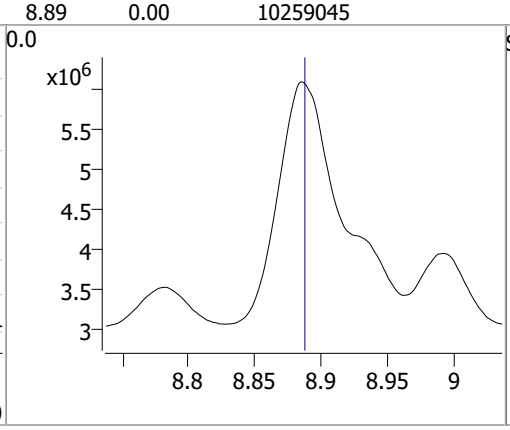


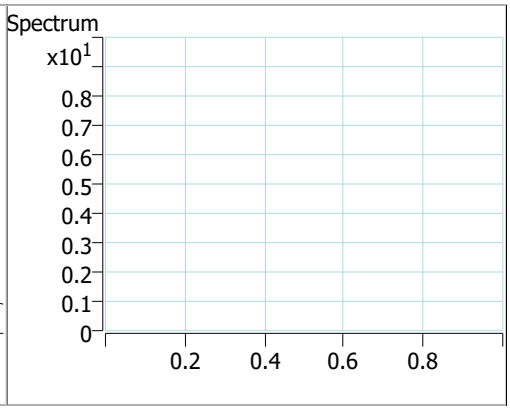



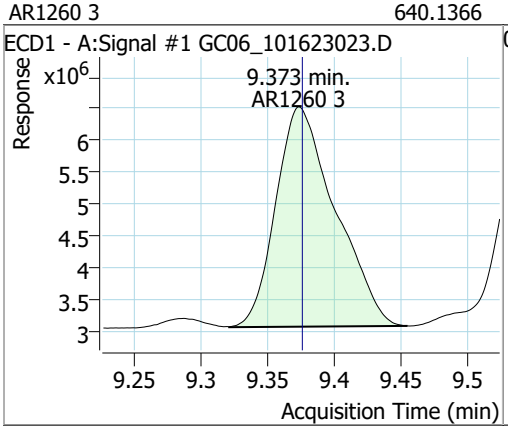

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 638.3914 | 8.89 | 0.00 | 10259045 | | | | |

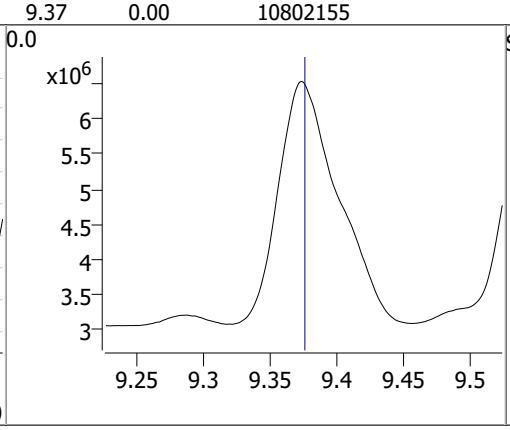


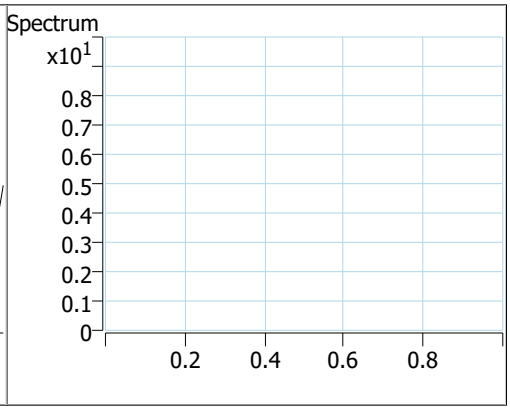



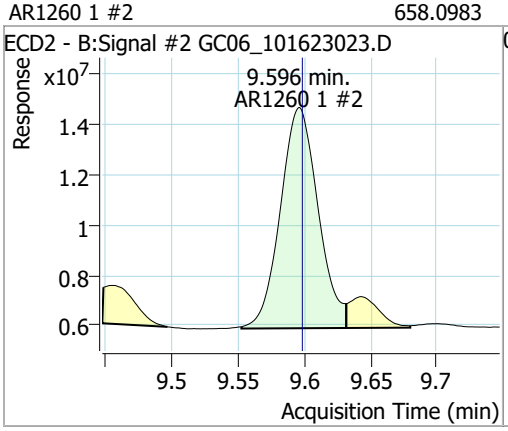

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 640.1366 | 9.37 | 0.00 | 10802155 | | | | |

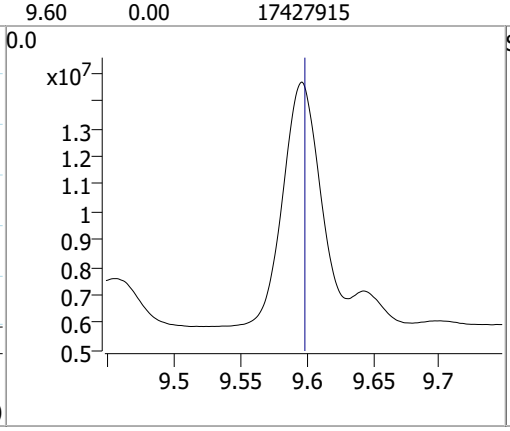


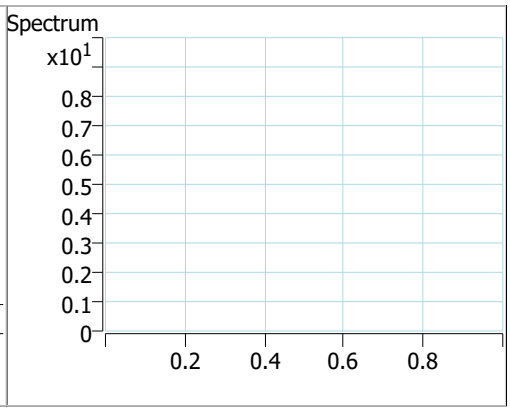



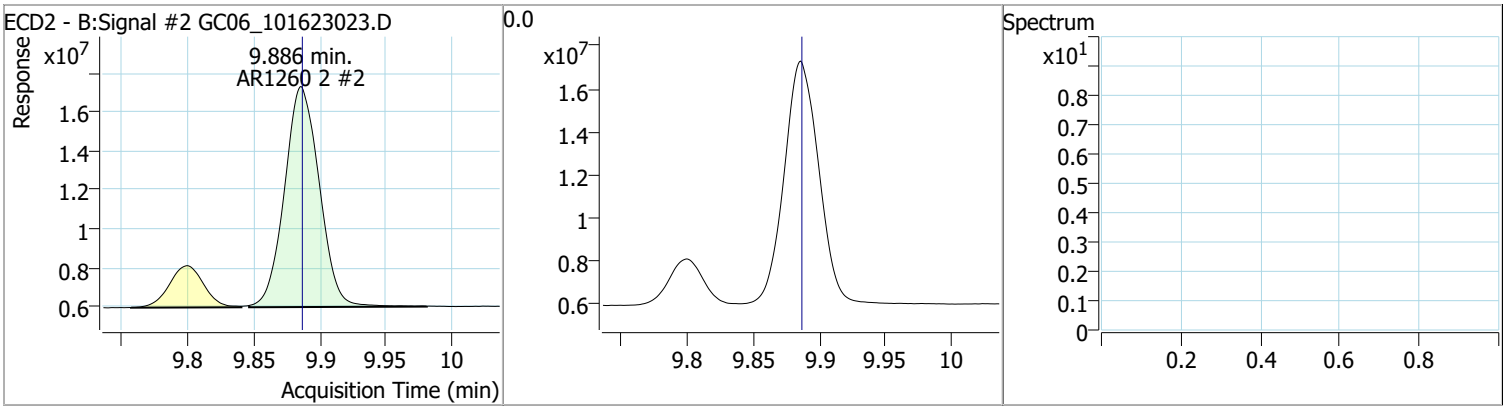

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 658.0983 | 9.60 | 0.00 | 17427915 | | | | |



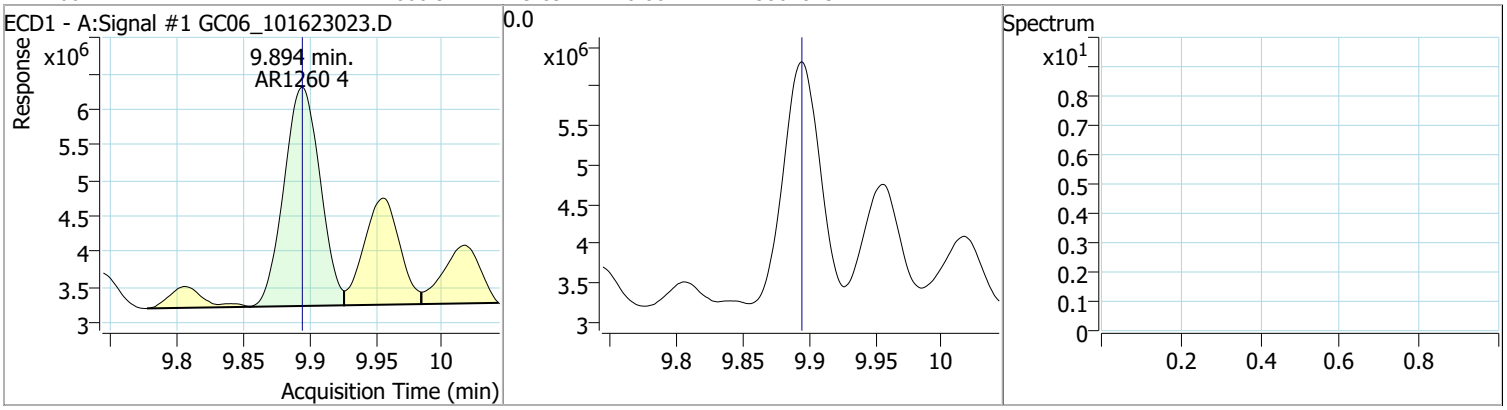



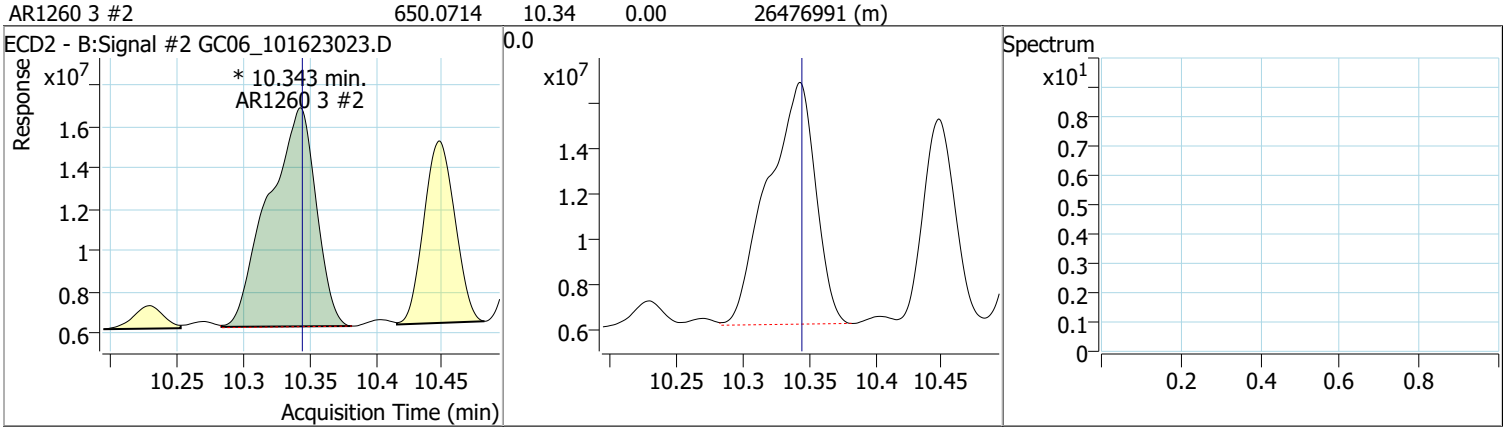
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 648.5088 | 9.89 | 0.00 | 20720397 | | | | |



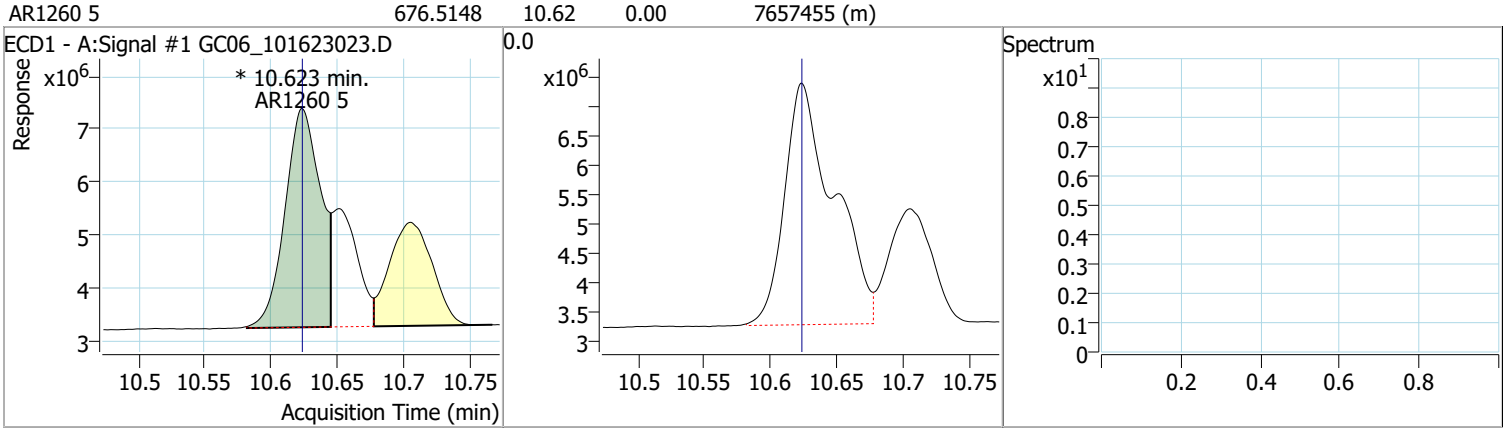

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 660.9424 | 9.89 | 0.00 | 5862813 | | | | |



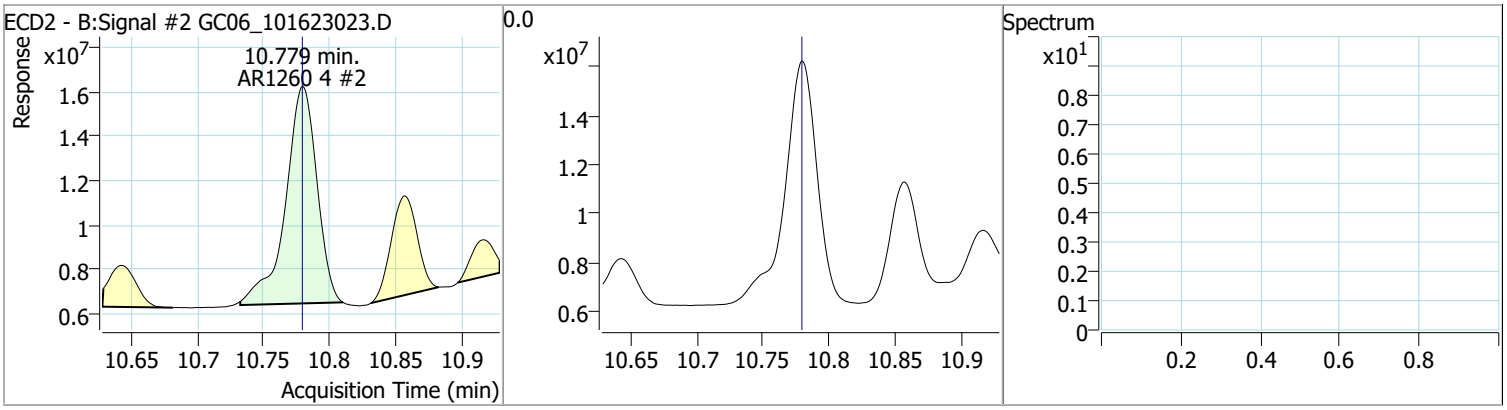

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 650.0714 | 10.34 | 0.00 | 26476991 (m) | | | | |



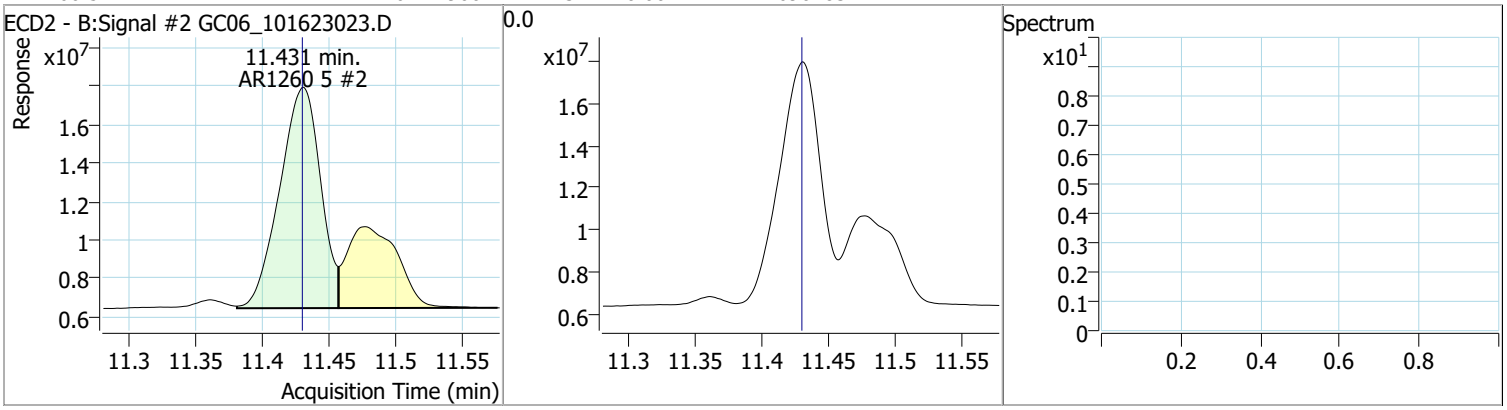

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 676.5148 | 10.62 | 0.00 | 7657455 (m) | | | | |



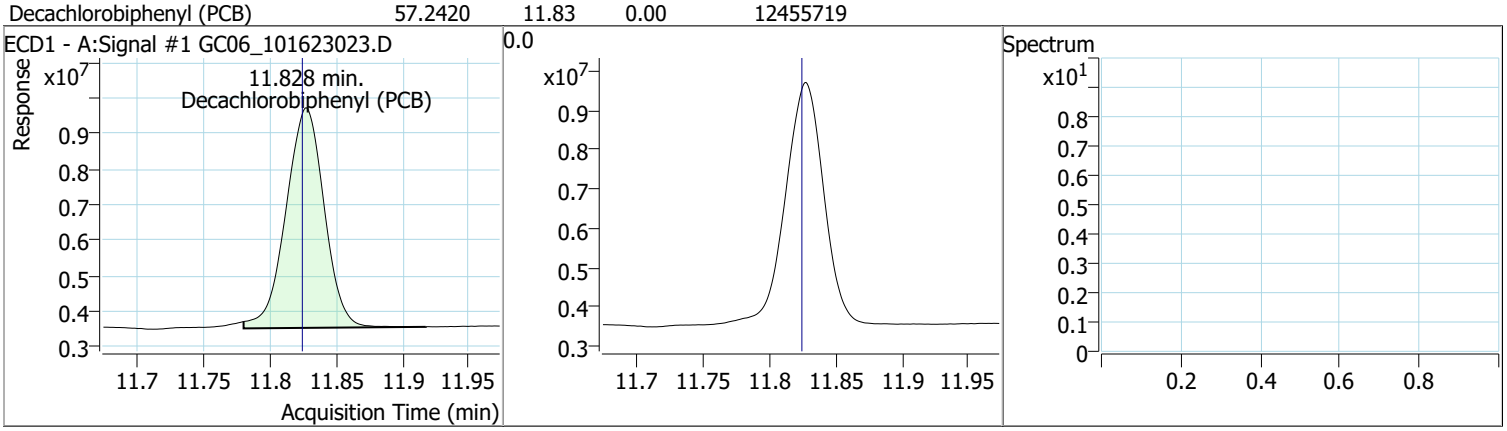
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 654.8045 | 10.78 | 0.00 | 16214086 | | | | |



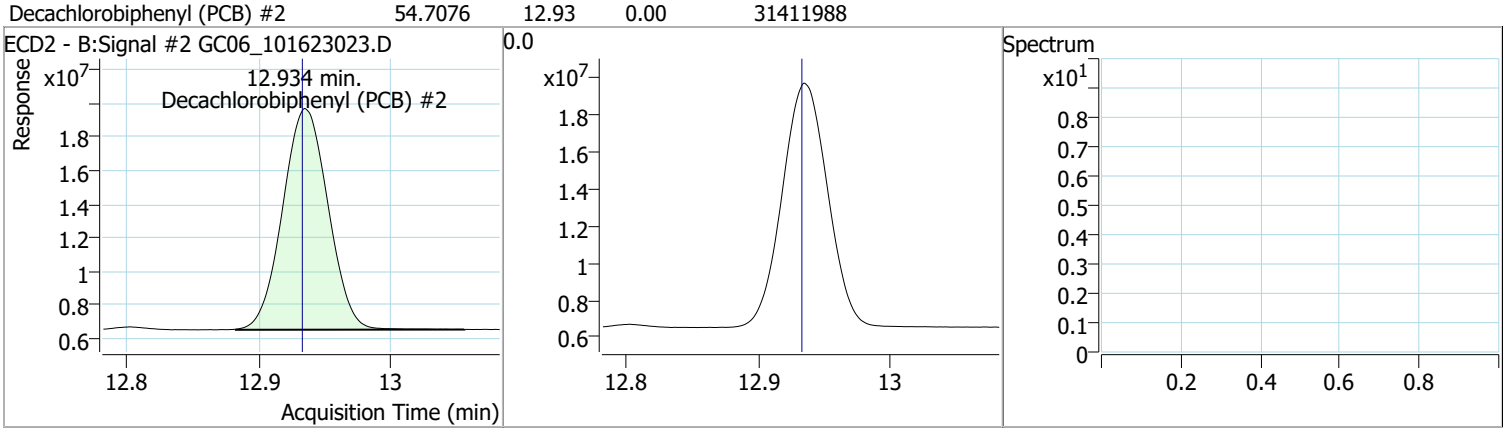

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 672.7900 | 11.43 | 0.00 | 24690483 | | | | |




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

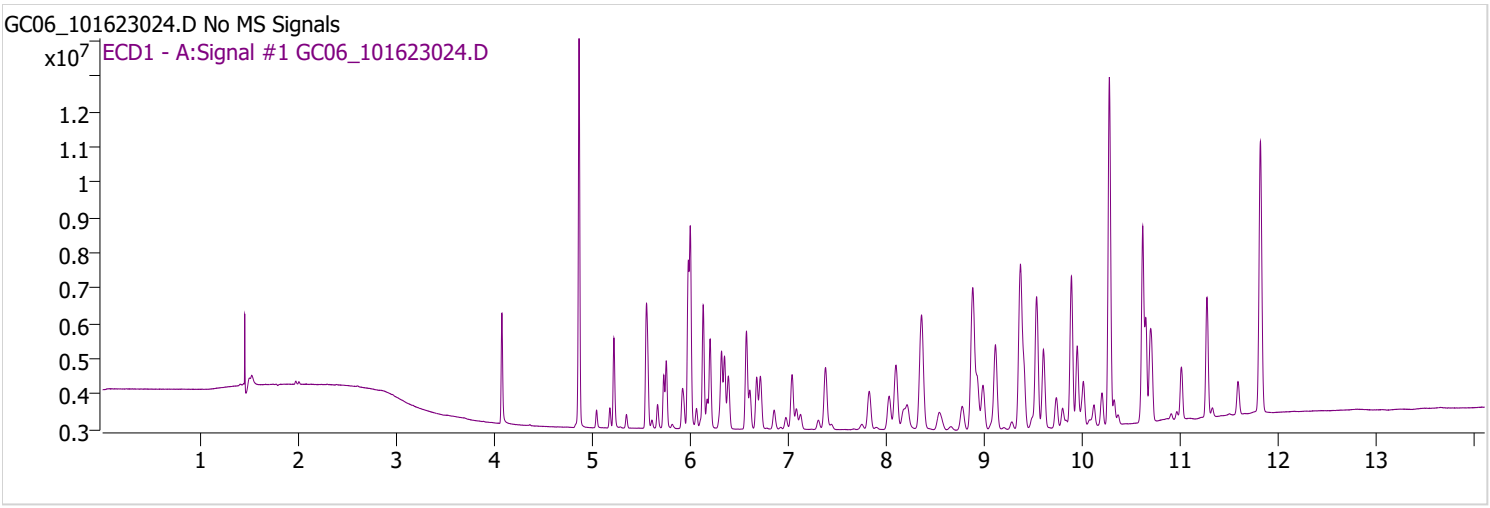


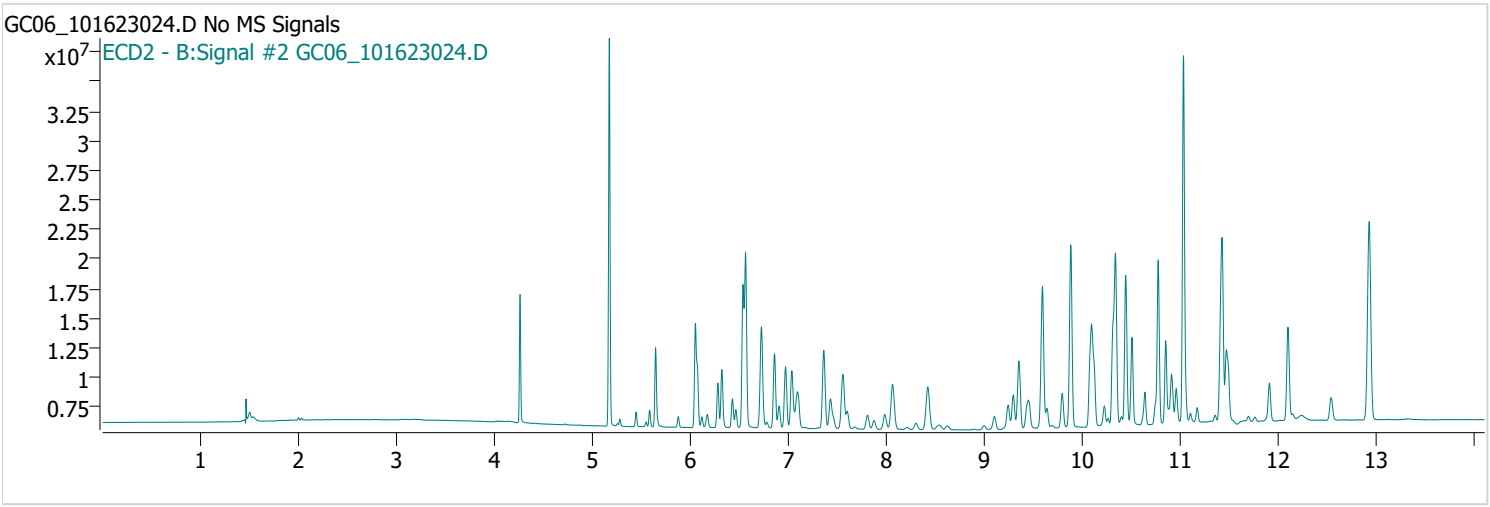

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 54.7076 | 12.93 | 0.00 | 31411988 | | | | |



# Quantitation Results Report (Not Reviewed)

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



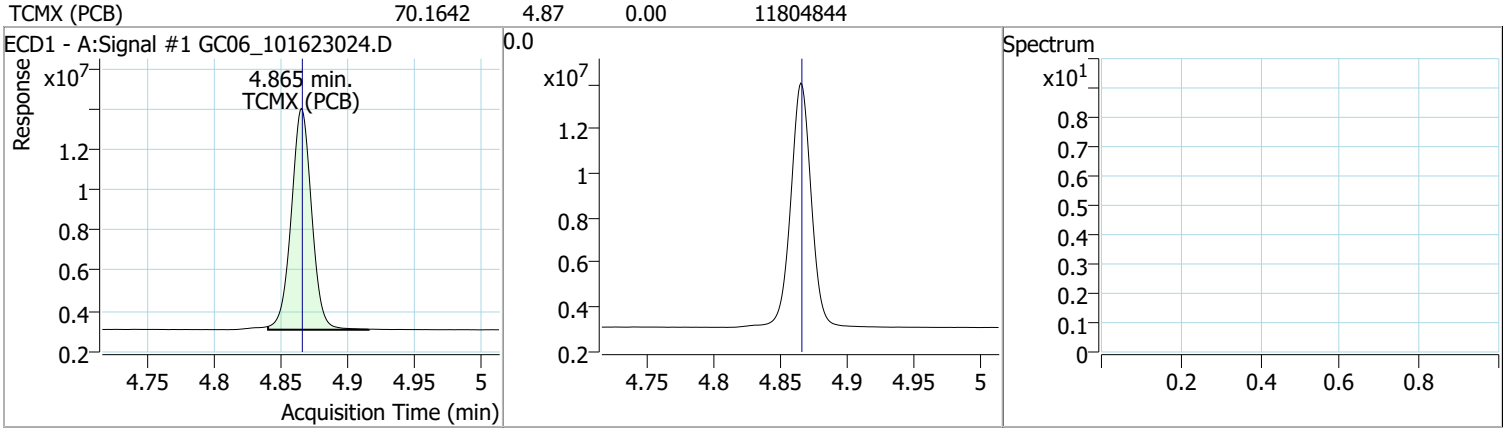




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.078 | 0.0 | 3381544.181 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 9785607.825 | 20.0000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

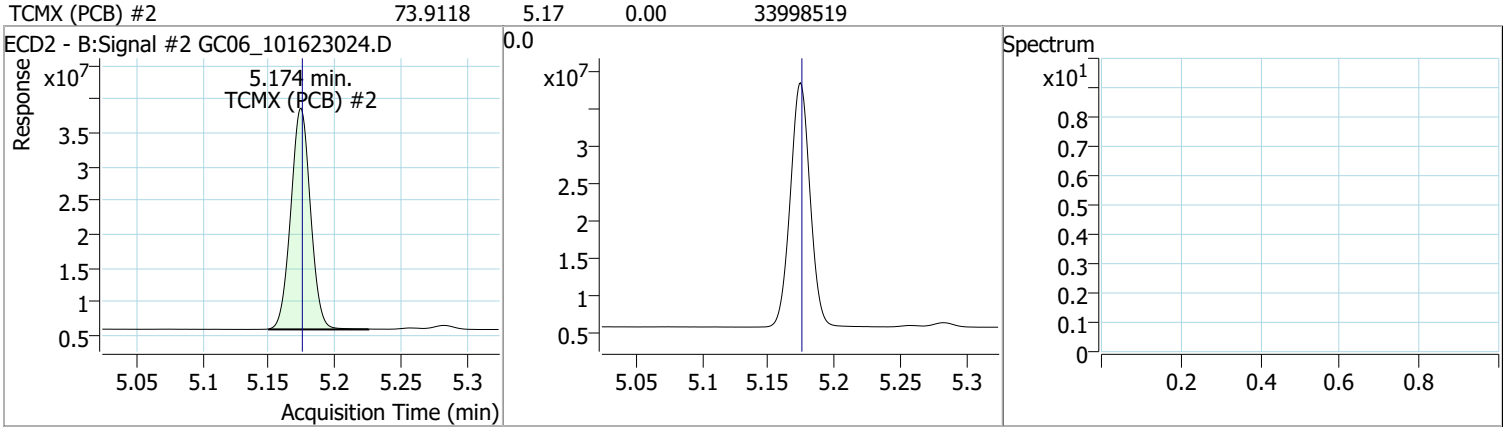
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.221 | 0.0 | 3208052.528 | 874.0869 | ng/ml | | 100 |
| T AR1016 2 | 5.554 | 0.0 | 6177165.680 | 838.5583 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.647 | 0.0 | 8263249.117 | 913.2019 | ng/ml |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

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

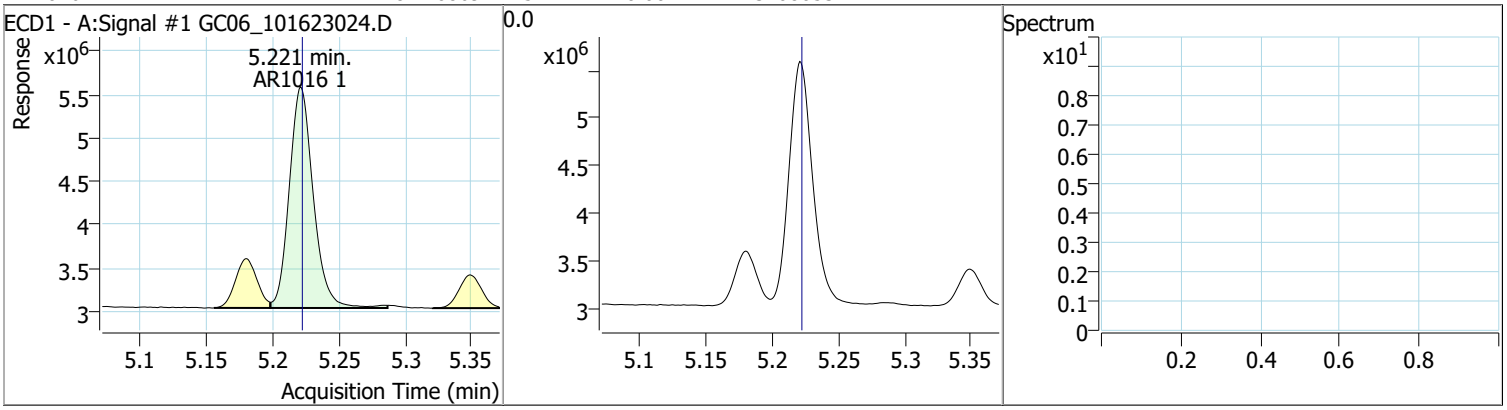
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 70.1642 | 4.87 | 0.00 | 11804844 | | | | |



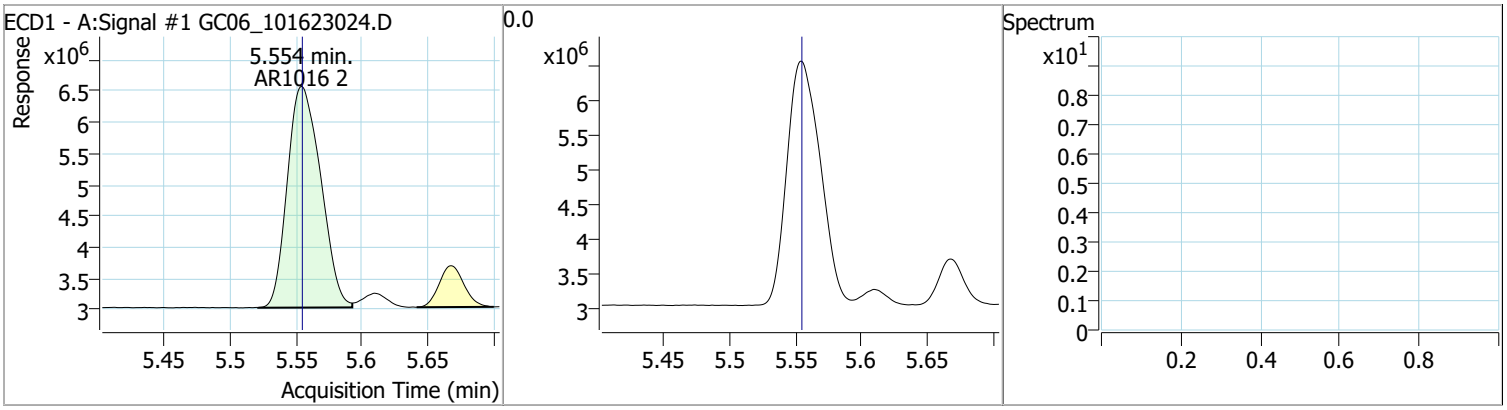

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 73.9118 | 5.17 | 0.00 | 33998519 | | | | |



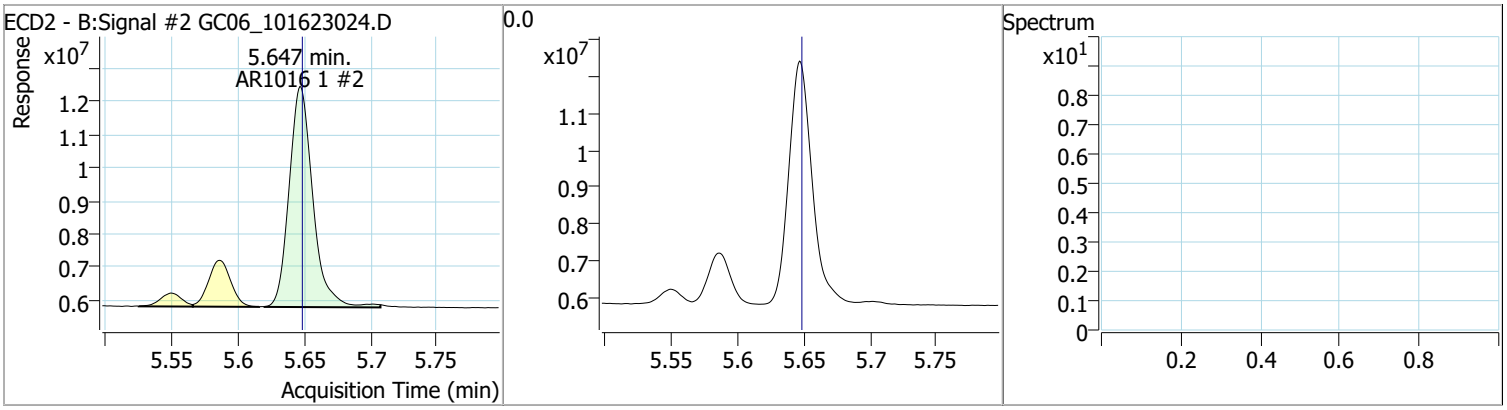

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 874.0869 | 5.22 | 0.00 | 3208053 | | | | |



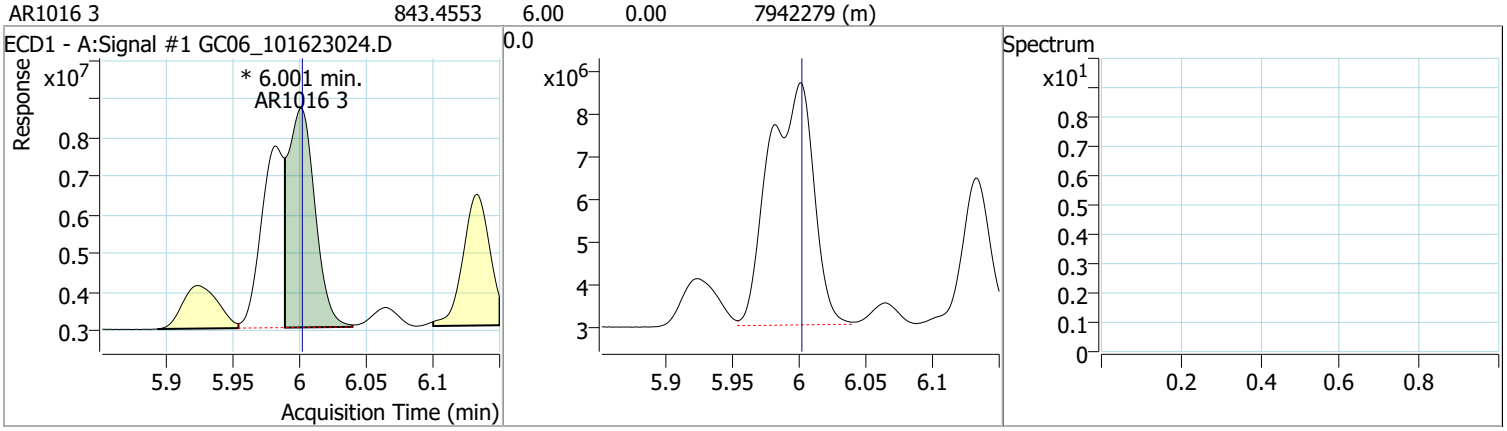

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 838.5583 | 5.55 | 0.00 | 6177166 | | | | |



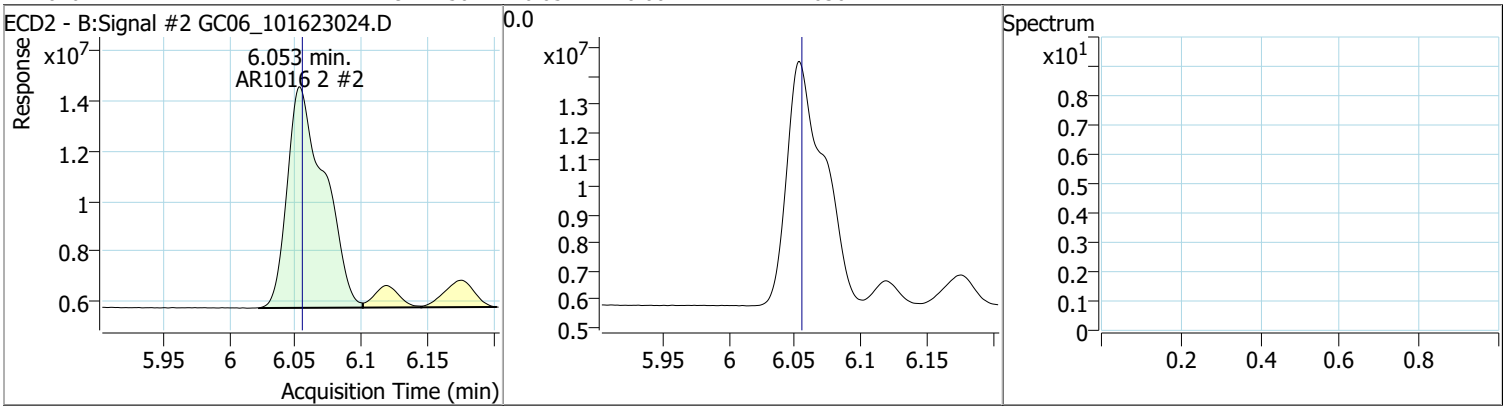
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 913.2019 | 5.65 | 0.00 | 8263249 | | | | |



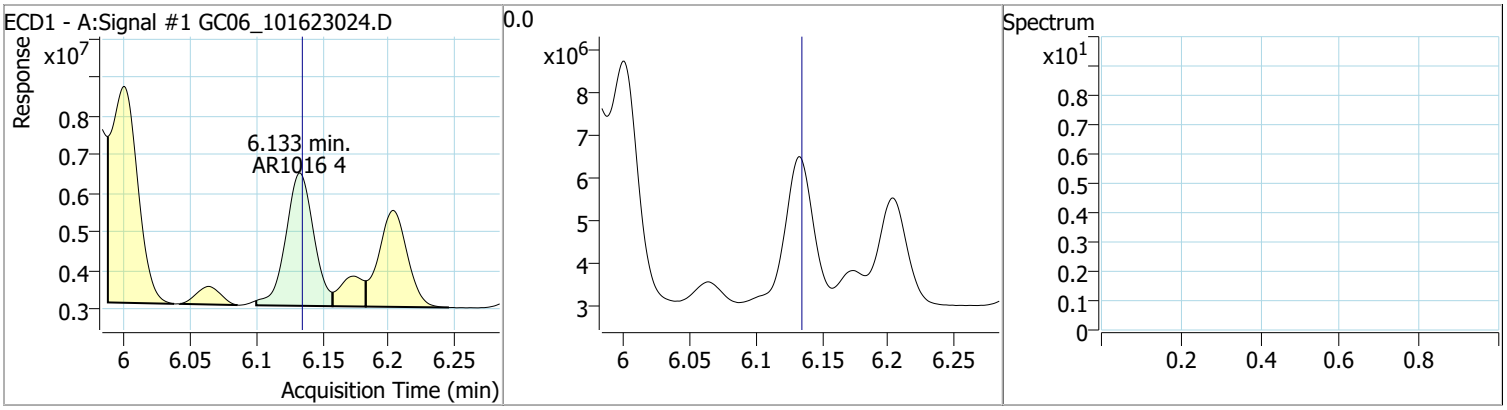

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 843.4553 | 6.00 | 0.00 | 7942279 (m) | | | | |



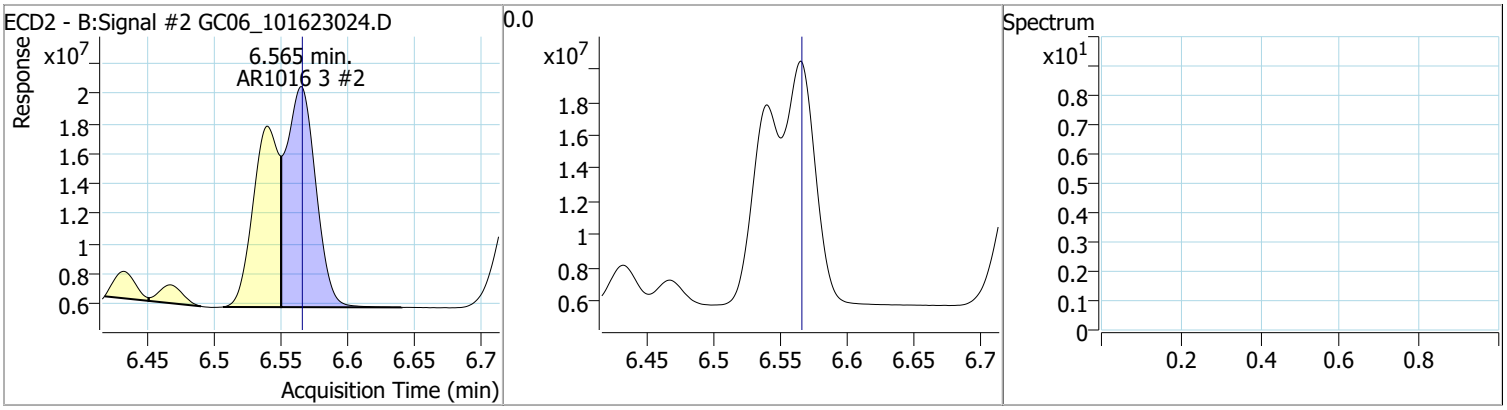

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 911.4501 | 6.05 | 0.00 | 17211636 | | | | |



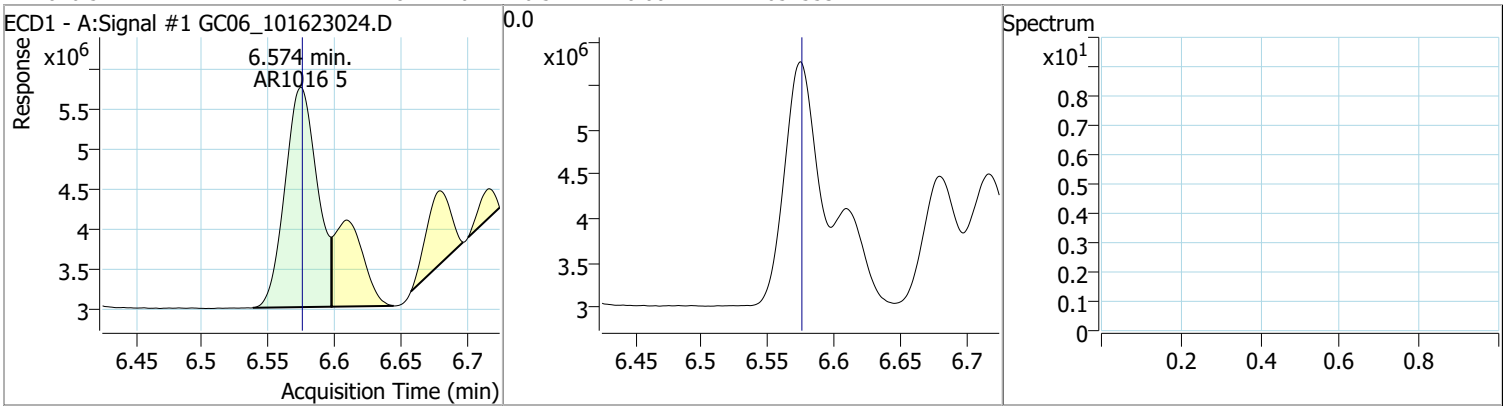

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 851.6015 | 6.13 | 0.00 | 5024459 | | | | |



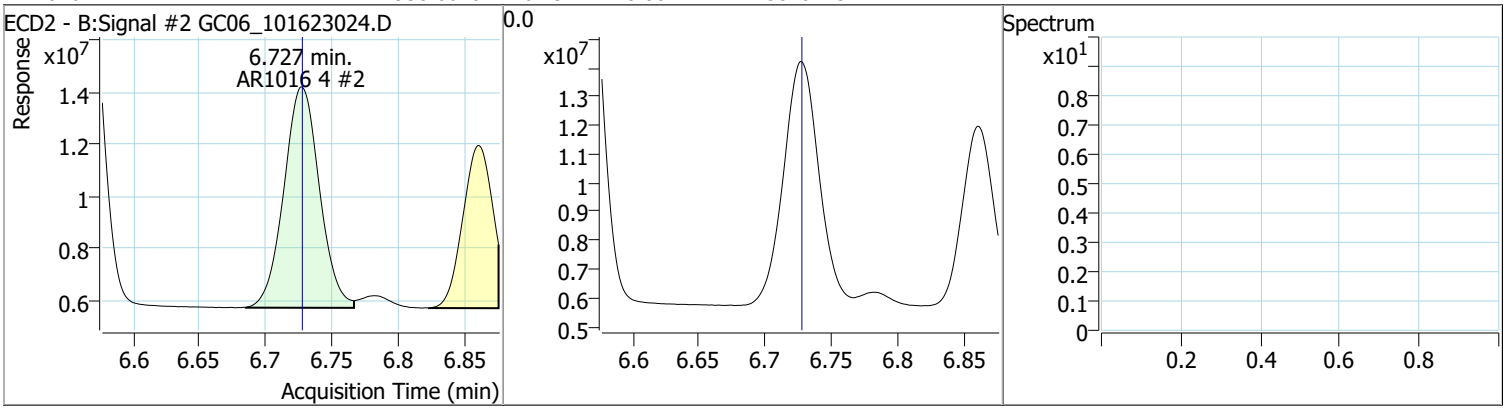
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 905.1461 | 6.57 | 0.00 | 22744613 | | | | |



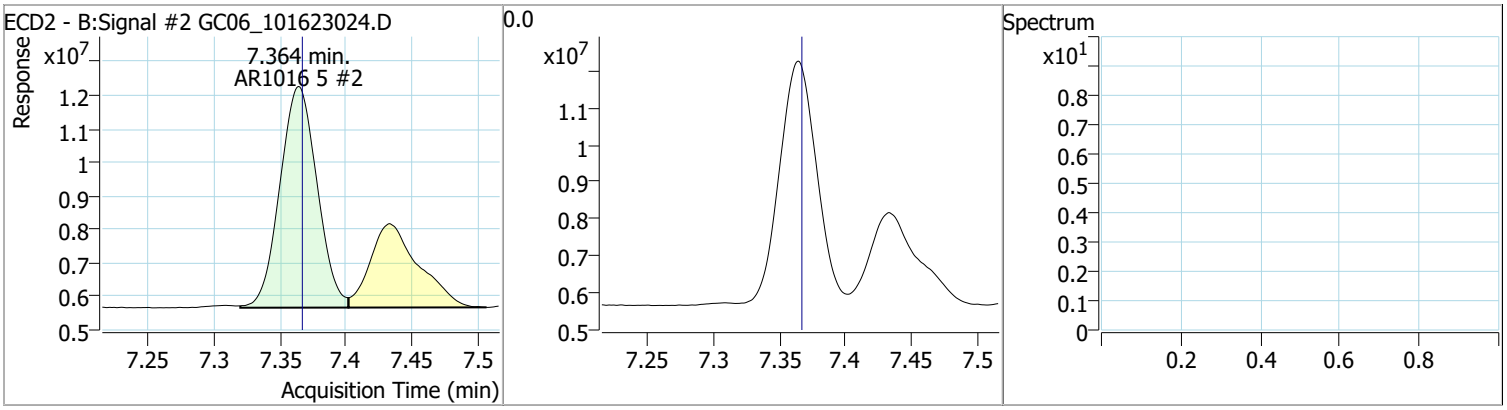

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 877.2467 | 6.57 | 0.00 | 4657553 | | | | |



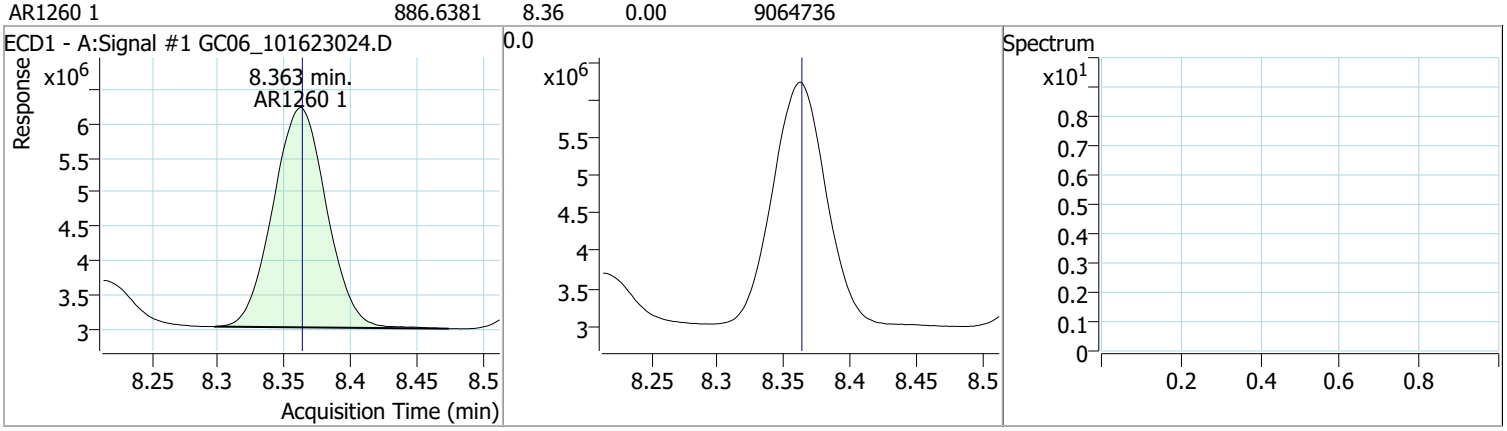

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 938.6648 | 6.73 | 0.00 | 15845225 | | | | |



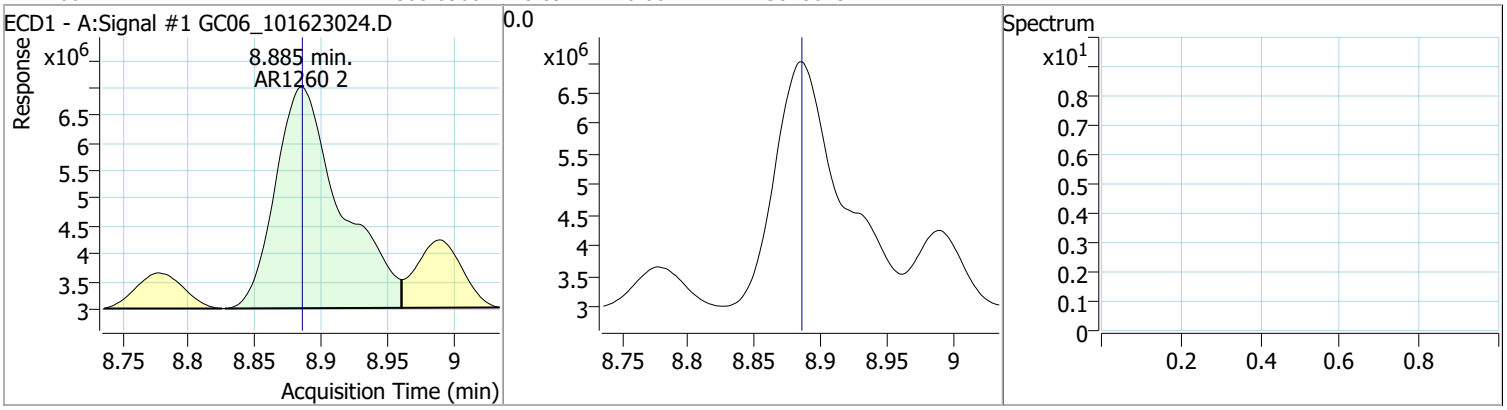

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 924.9723 | 7.36 | 0.00 | 12899550 | | | | |



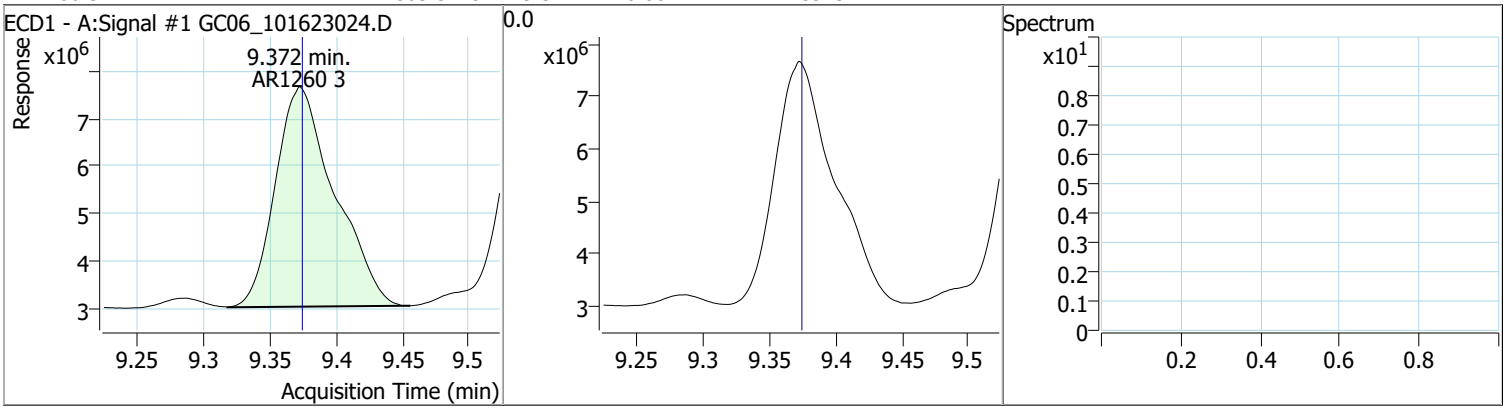
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 886.6381 | 8.36 | 0.00 | 9064736 | | | | |



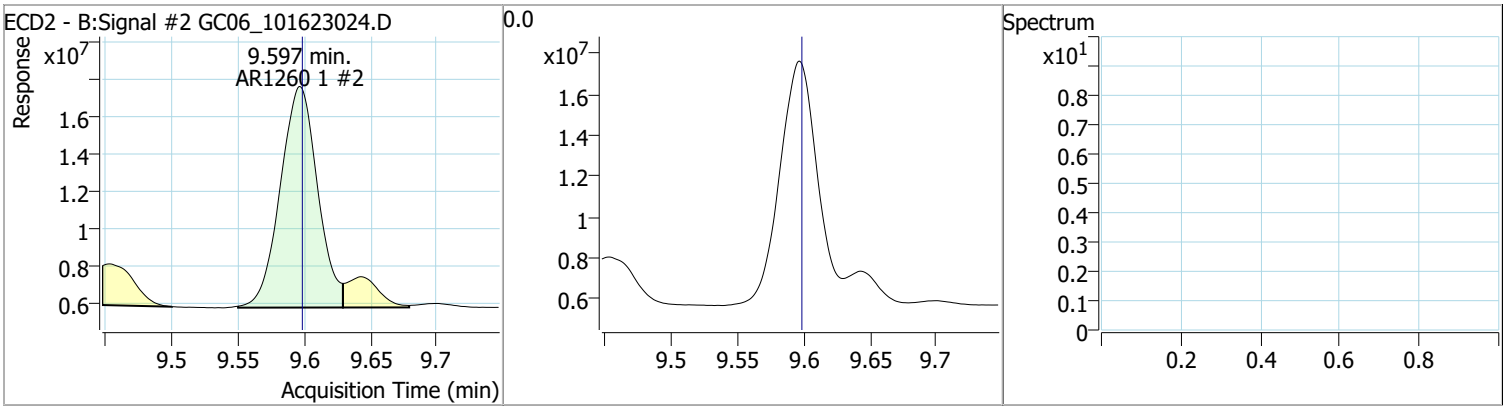

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 868.0360 | 8.89 | 0.00 | 13828623 | | | | |



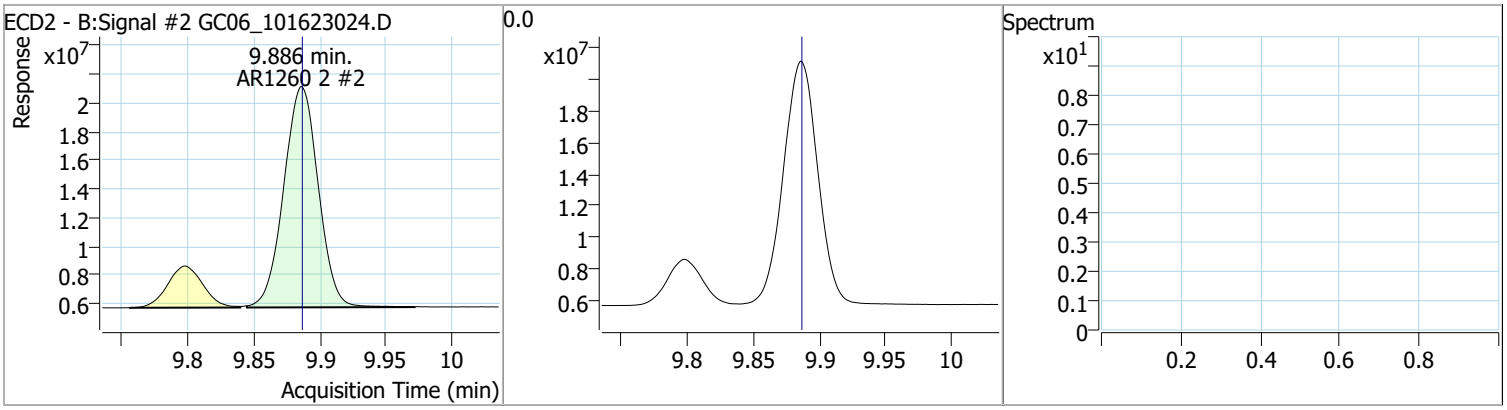

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 863.5475 | 9.37 | 0.00 | 14445919 | | | | |



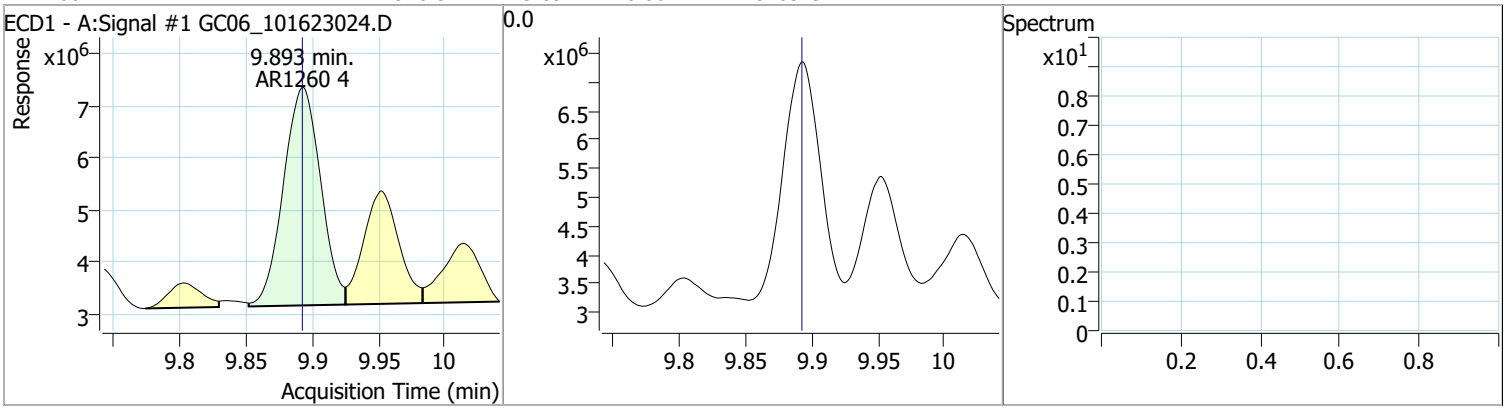

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 903.1052 | 9.60 | 0.00 | 23397170 | | | | |



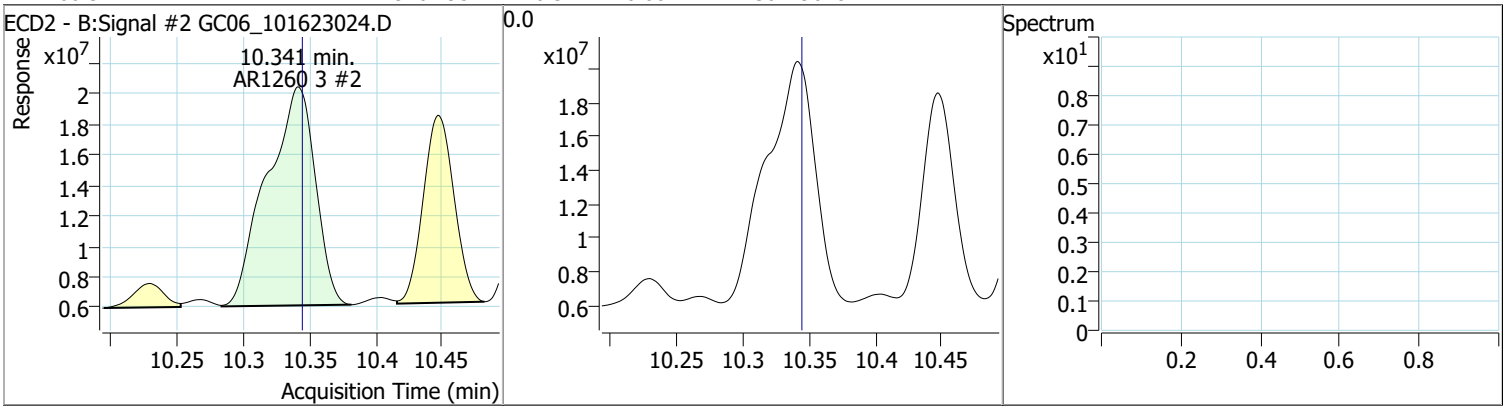
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 893.5500 | 9.89 | 0.00 | 27930034 | | | | |



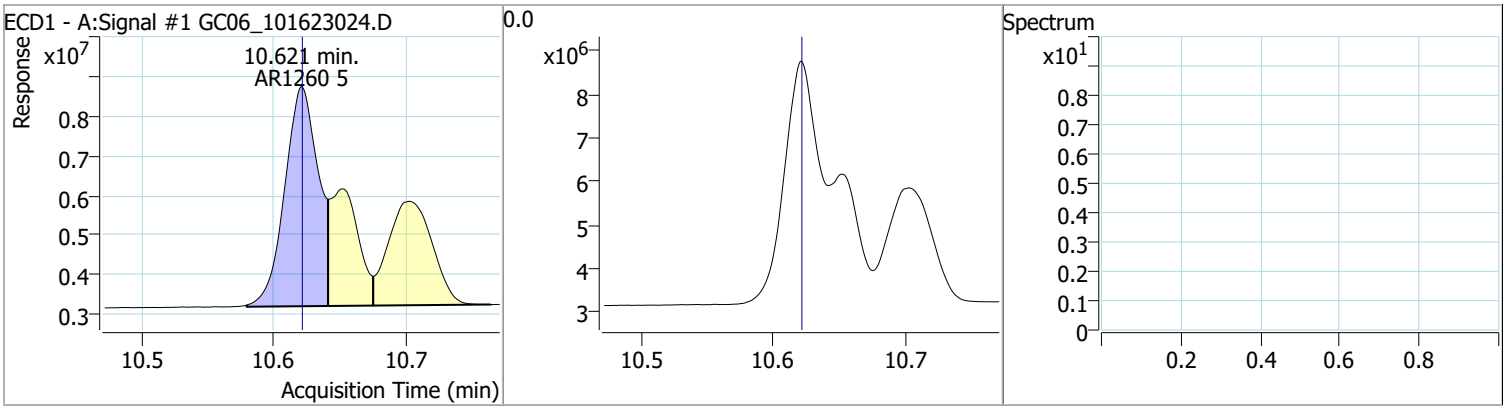

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 928.3177 | 9.89 | 0.00 | 8163197 | | | | |



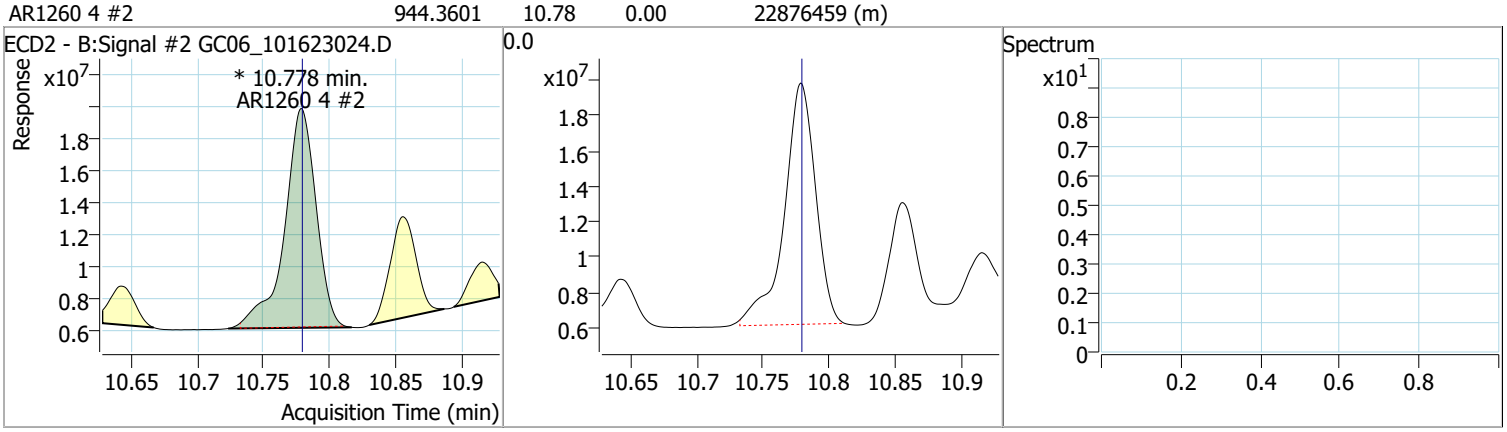

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 910.4951 | 10.34 | 0.00 | 36279018 | | | | |



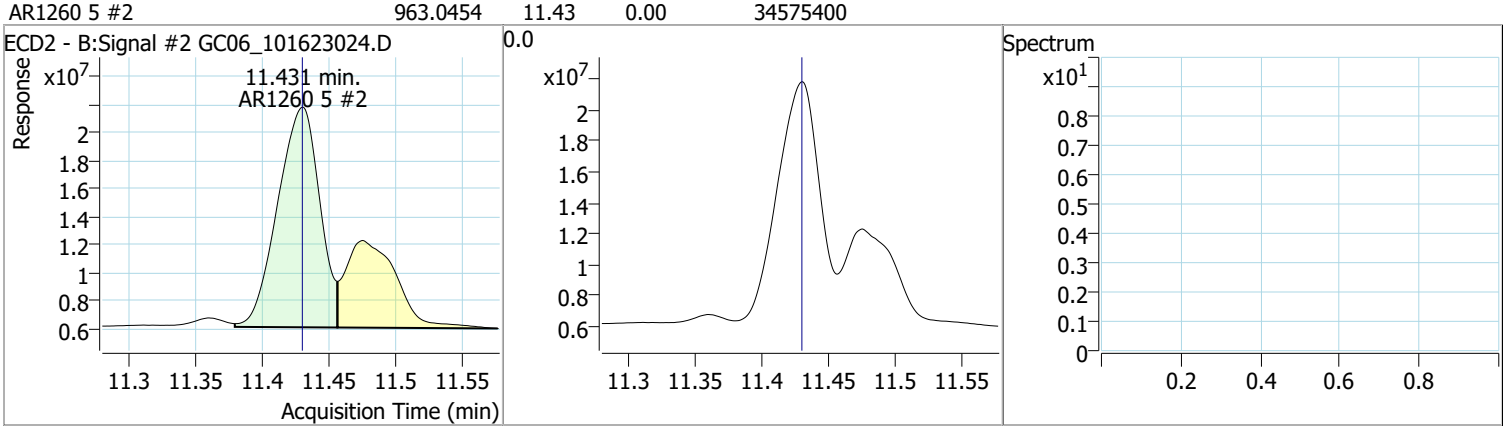

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 868.8893 | 10.62 | 0.00 | 9749736 | | | | |



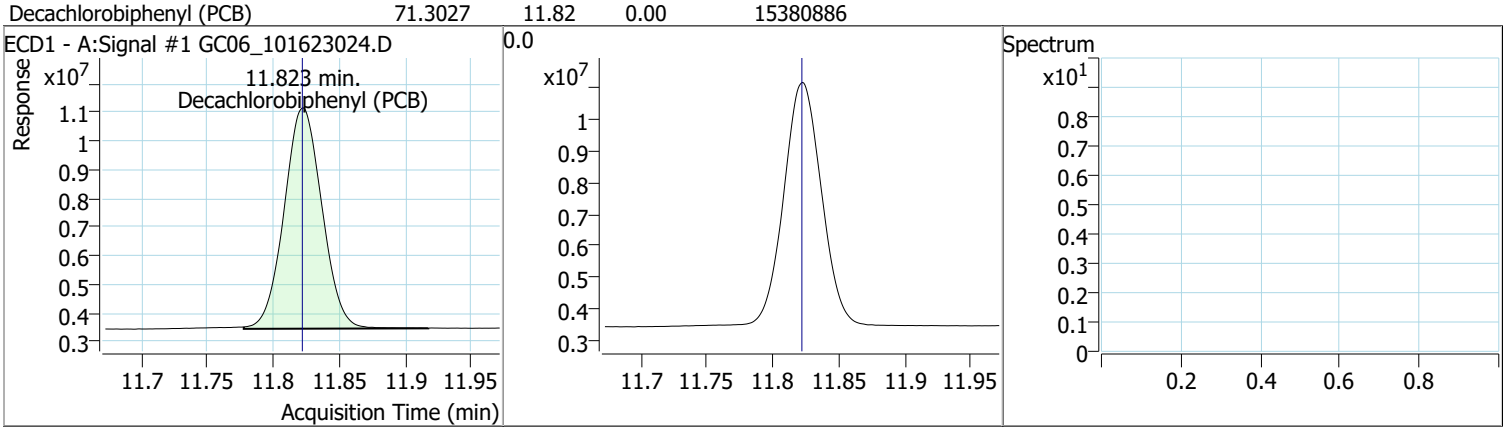
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 944.3601 | 10.78 | 0.00 | 22876459 (m) | | | | |



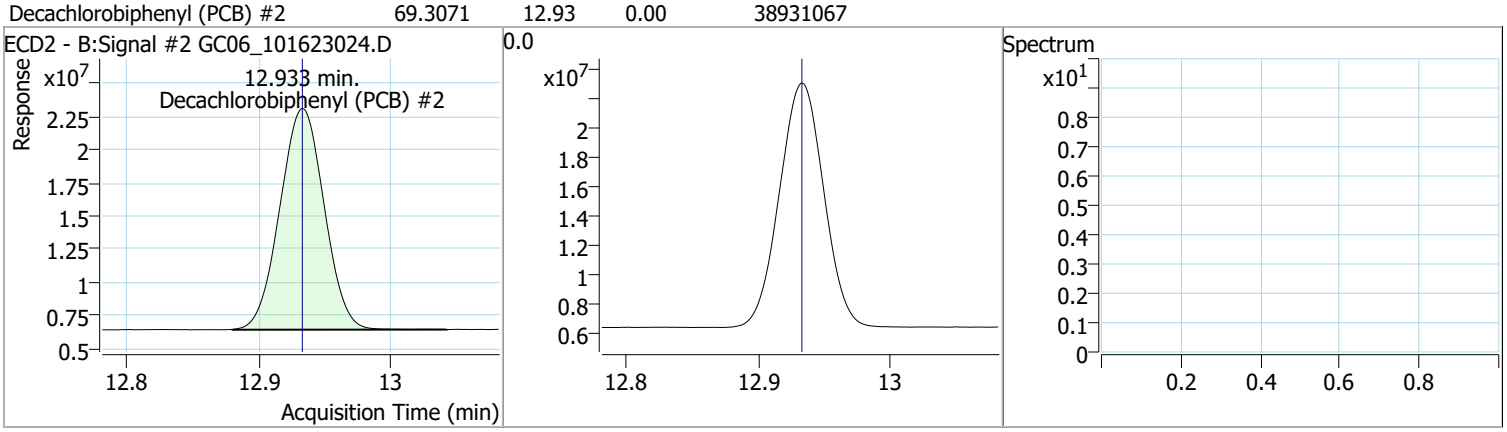

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 963.0454 | 11.43 | 0.00 | 34575400 | | | | |




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

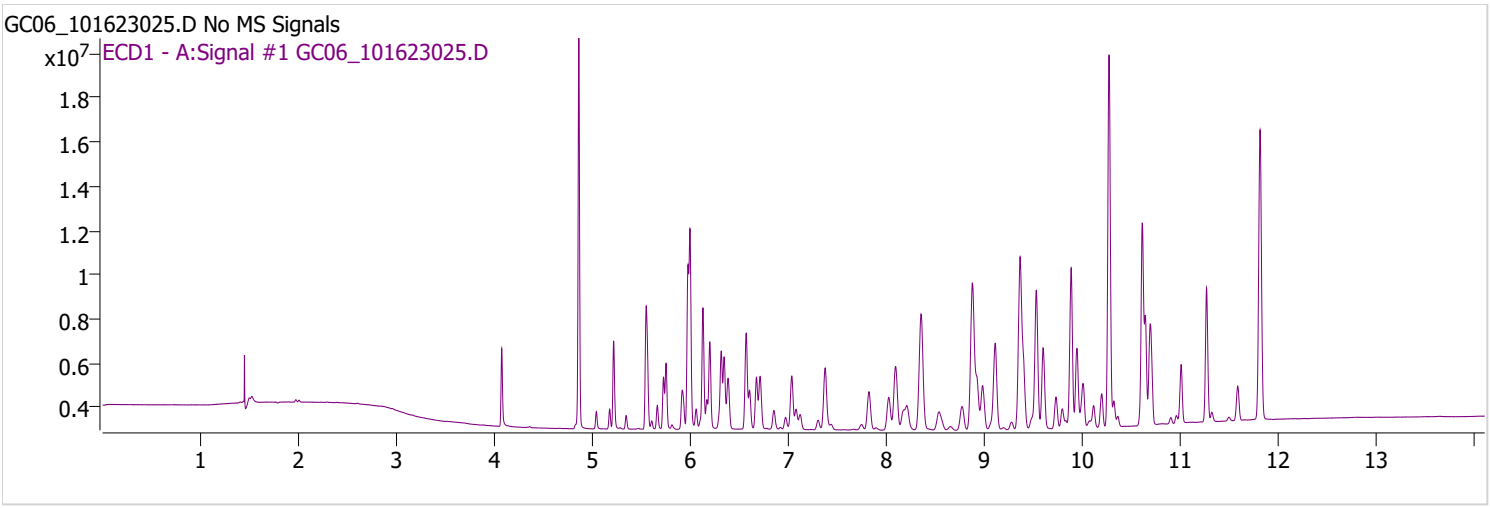


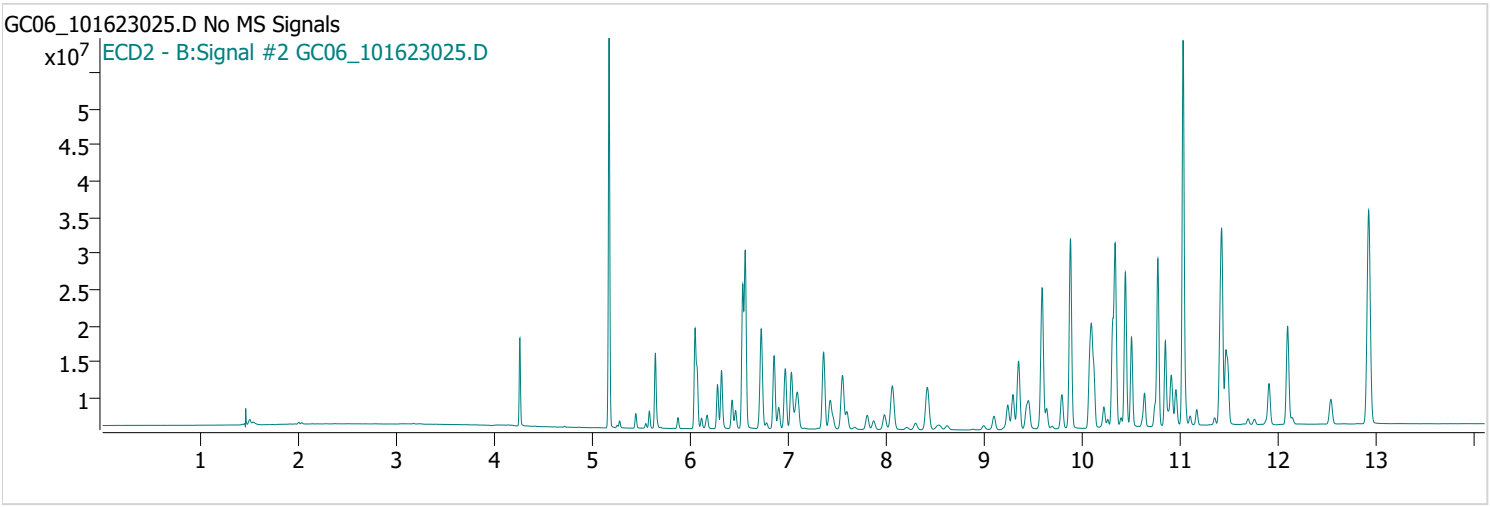

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 69.3071 | 12.93 | 0.00 | 38931067 | | | | |



# Quantitation Results Report (Not Reviewed)

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



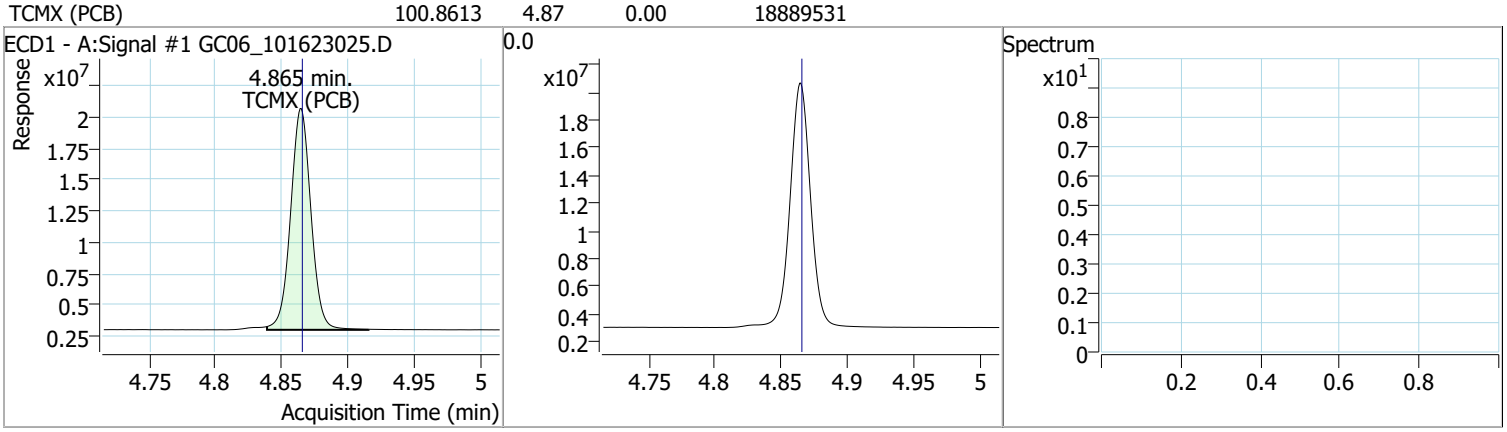




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.078 | 0.0 | 3764152.016 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 10982727.055 | 20.0000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

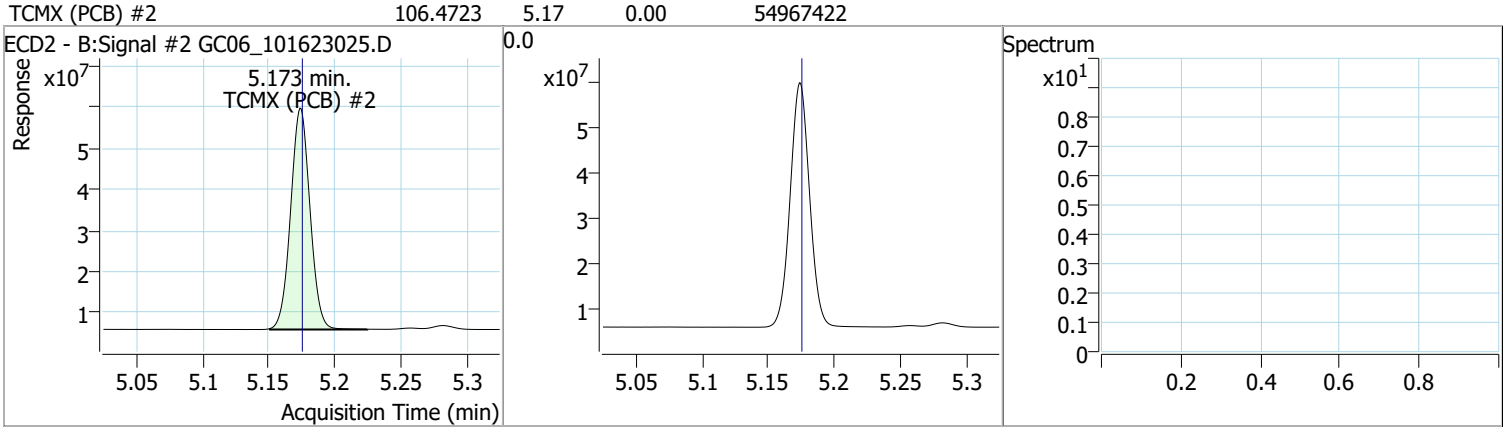
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.220 | 0.0 | 4991435.731 | 1221.7617 | ng/ml | | 100 |
| T AR1016 2 | 5.553 | 0.0 | 9694078.219 | 1182.2204 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.647 | 0.0 | 12998941.002 | 1279.9751 | ng/ml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

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

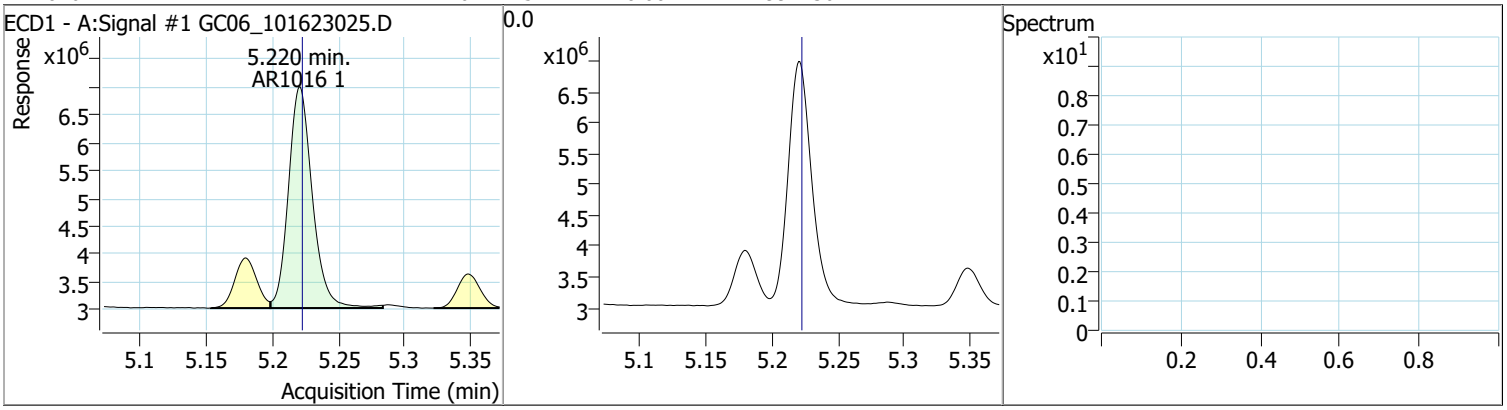
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 100.8613 | 4.87 | 0.00 | 18889531 | | | | |



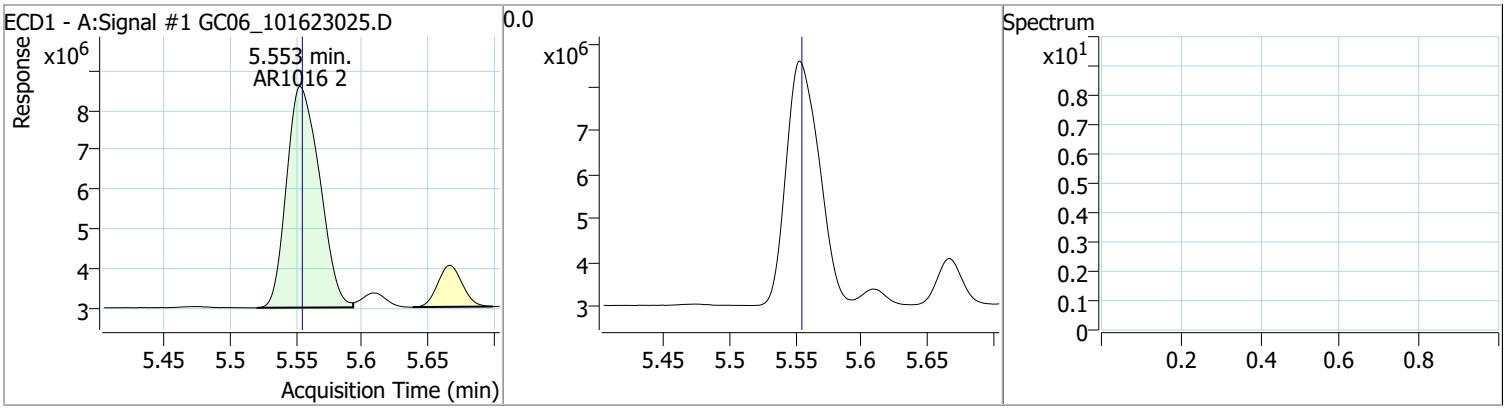

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 106.4723 | 5.17 | 0.00 | 54967422 | | | | |



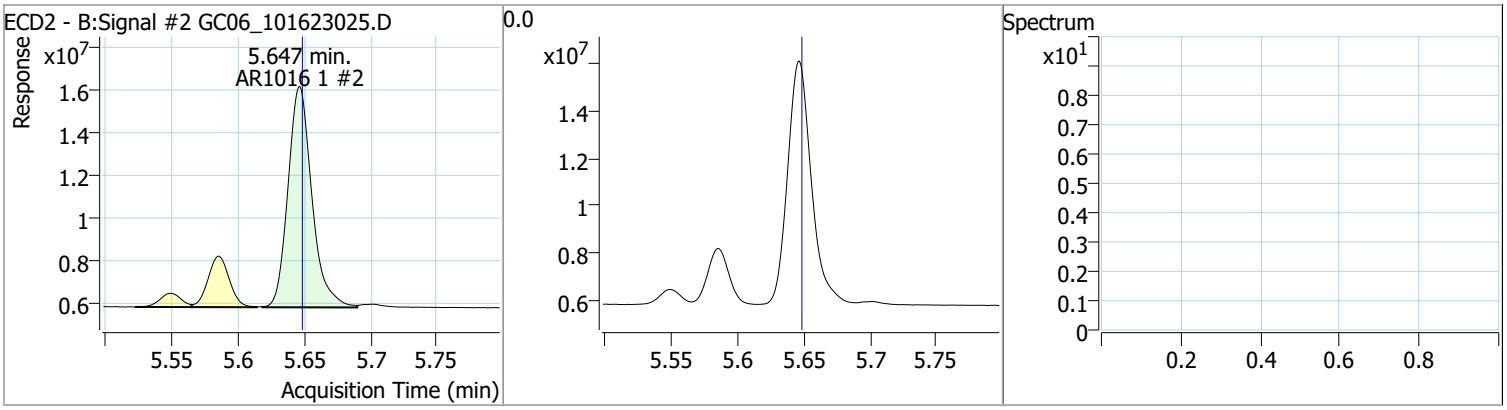

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 1221.7617 | 5.22 | 0.00 | 4991436 | | | | |



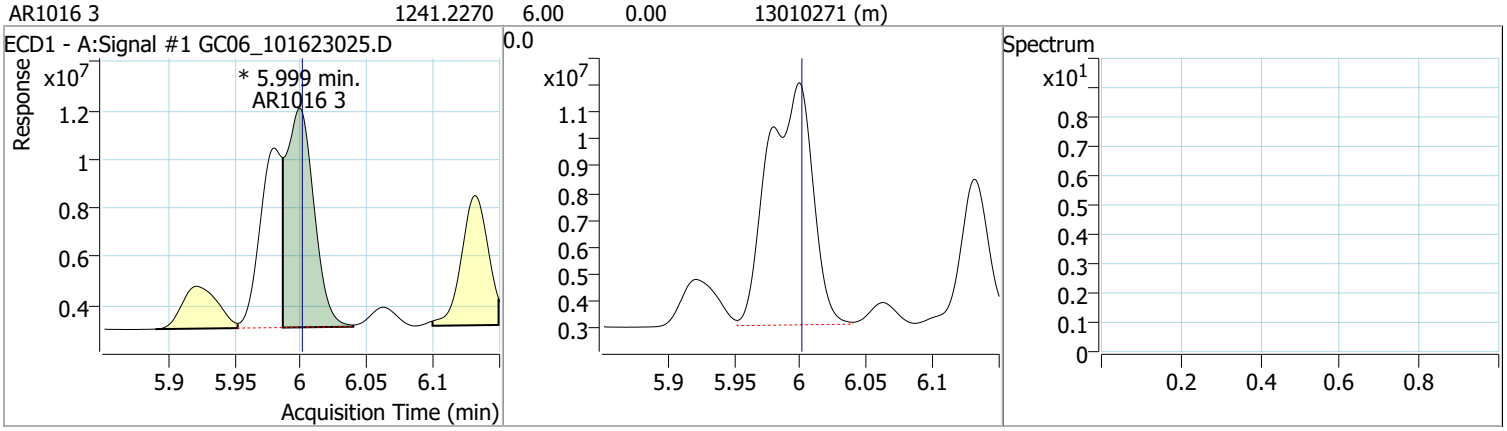

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 1182.2204 | 5.55 | 0.00 | 9694078 | | | | |



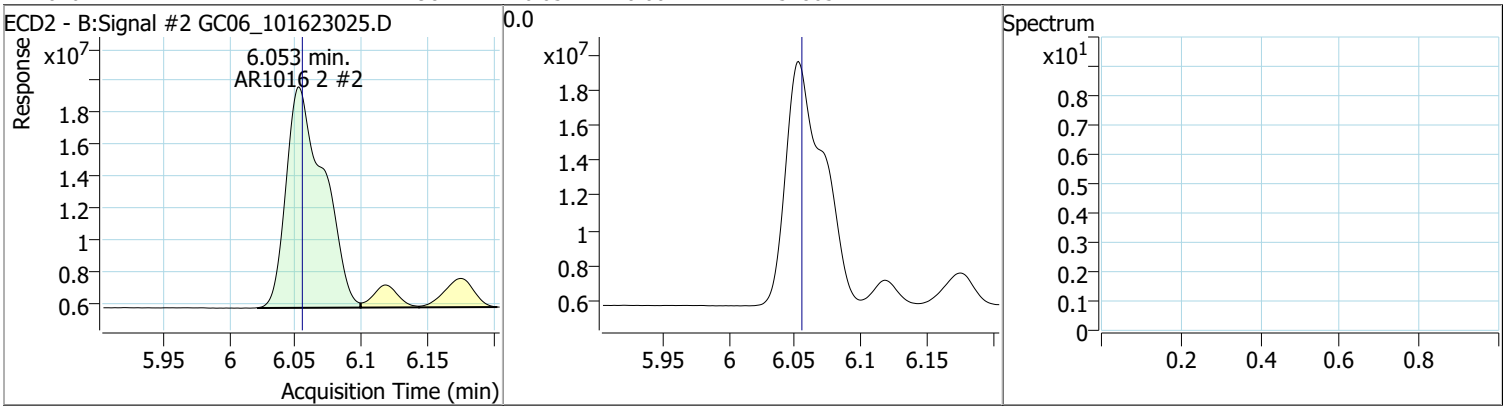
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 1279.9751 | 5.65 | 0.00 | 12998941 | | | | |



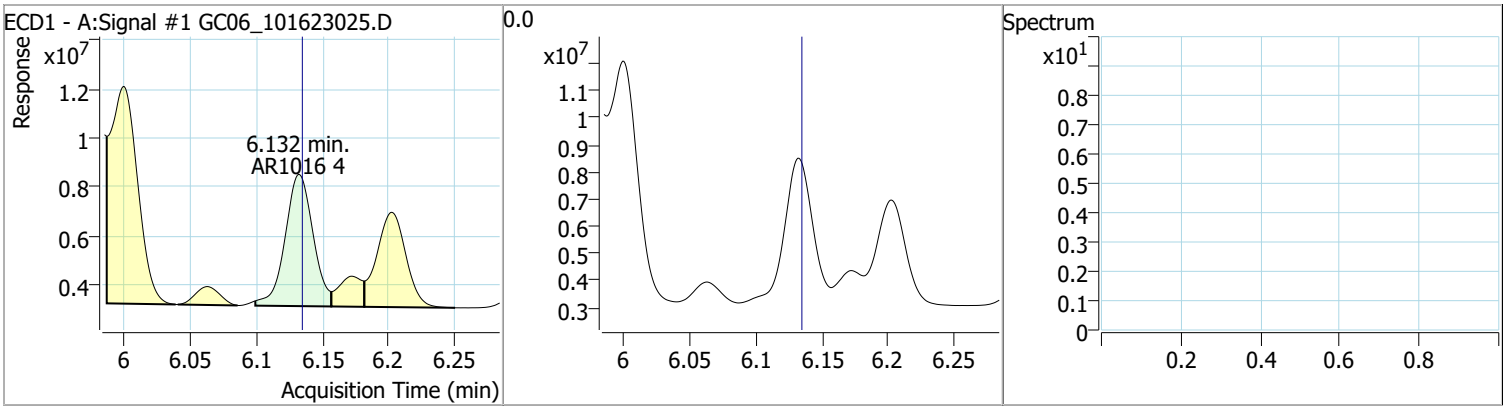

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 1241.2270 | 6.00 | 0.00 | 13010271 (m) | | | | |



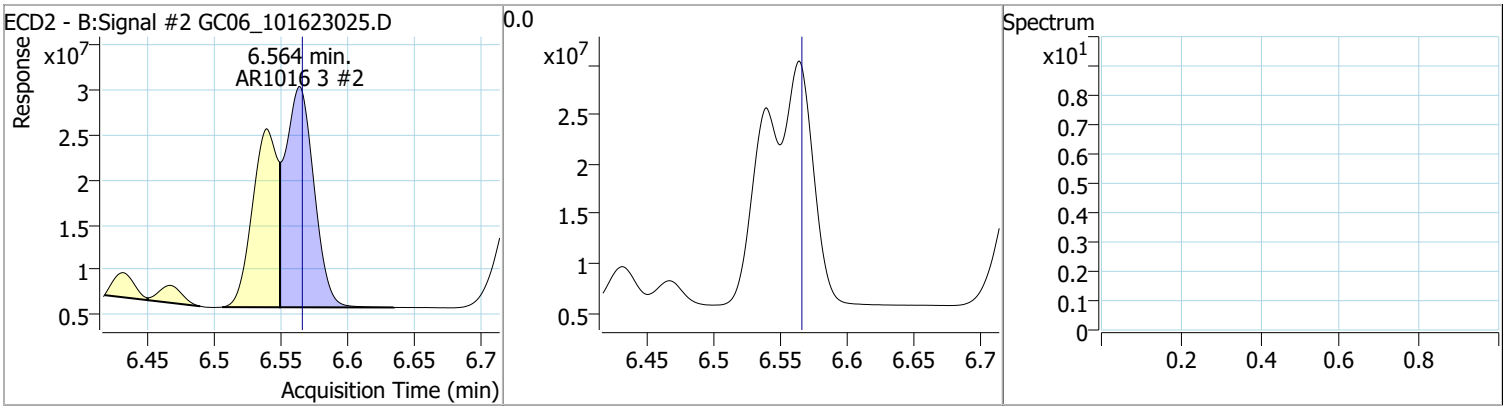

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 1298.4211 | 6.05 | 0.00 | 27518657 | | | | |



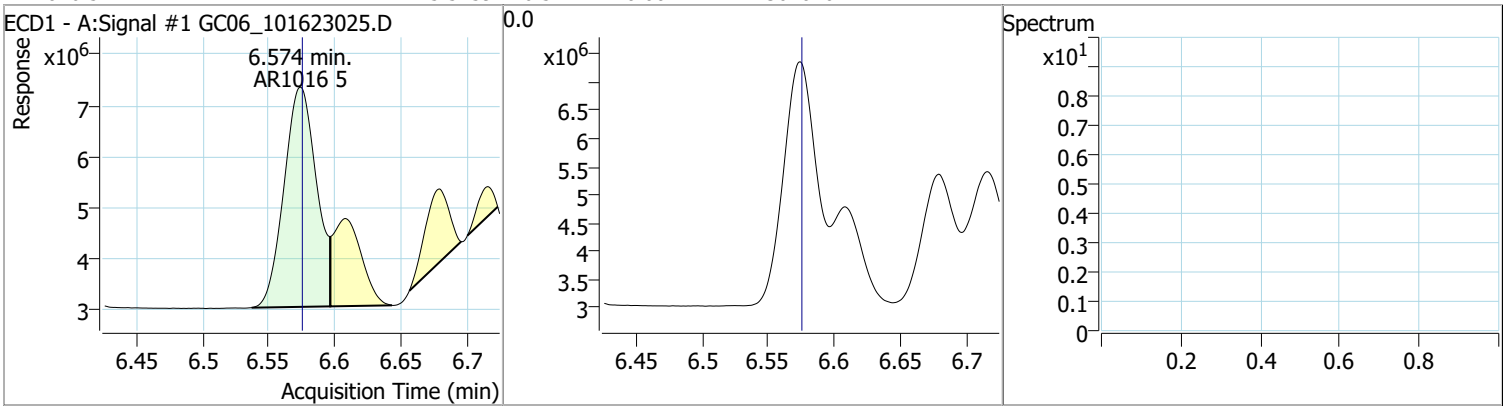

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 1204.1148 | 6.13 | 0.00 | 7908113 | | | | |



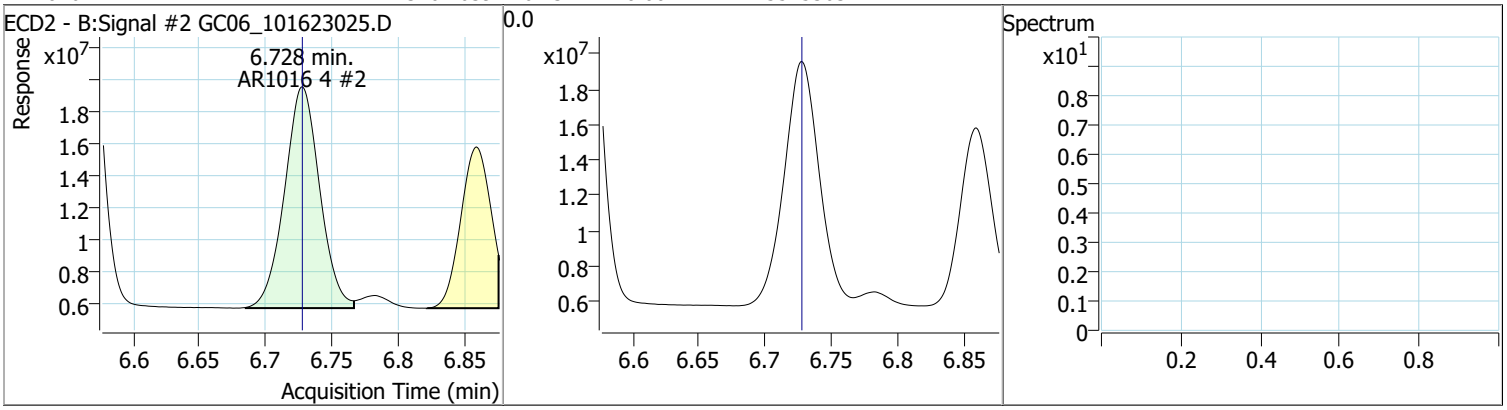
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 1311.3795 | 6.56 | 0.00 | 36983725 | | | | |



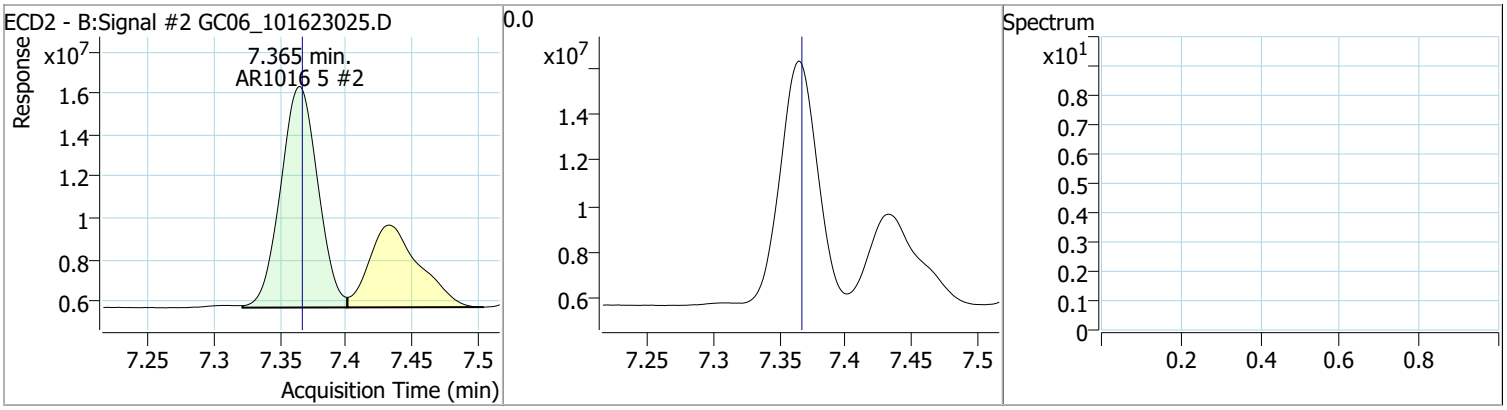

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 1245.5159 | 6.57 | 0.00 | 7361010 | | | | |



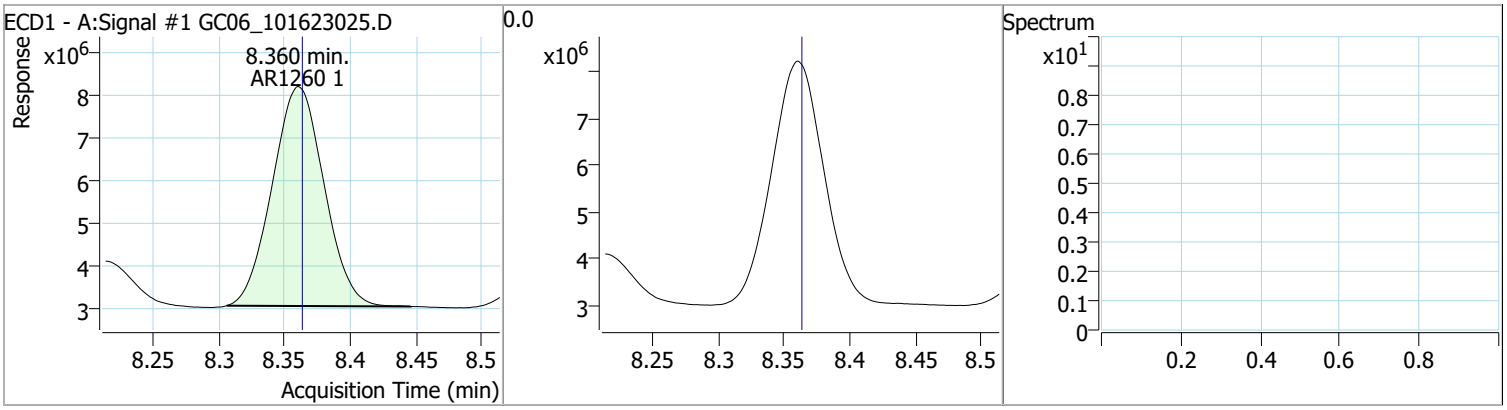

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1346.7639 | 6.73 | 0.00 | 25515363 | | | | |



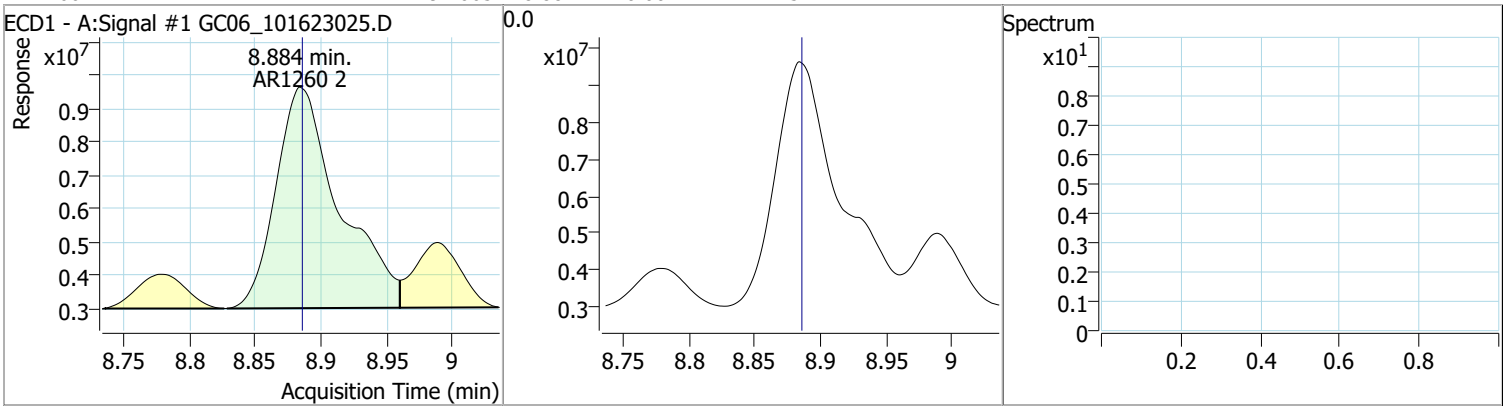

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1332.8679 | 7.37 | 0.00 | 20861971 | | | | |



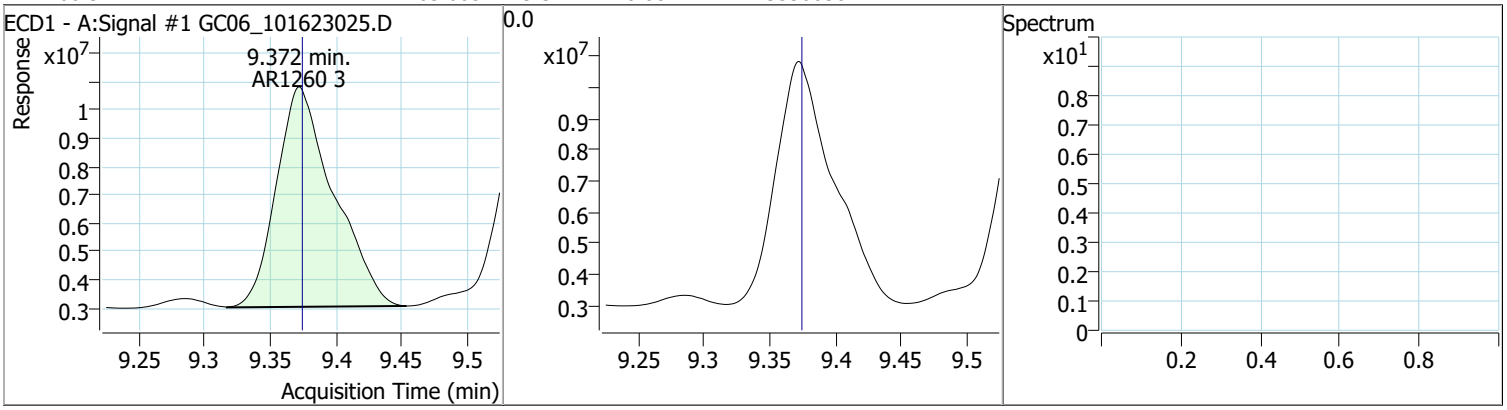
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 1248.3605 | 8.36 | 0.00 | 14206952 | | | | |



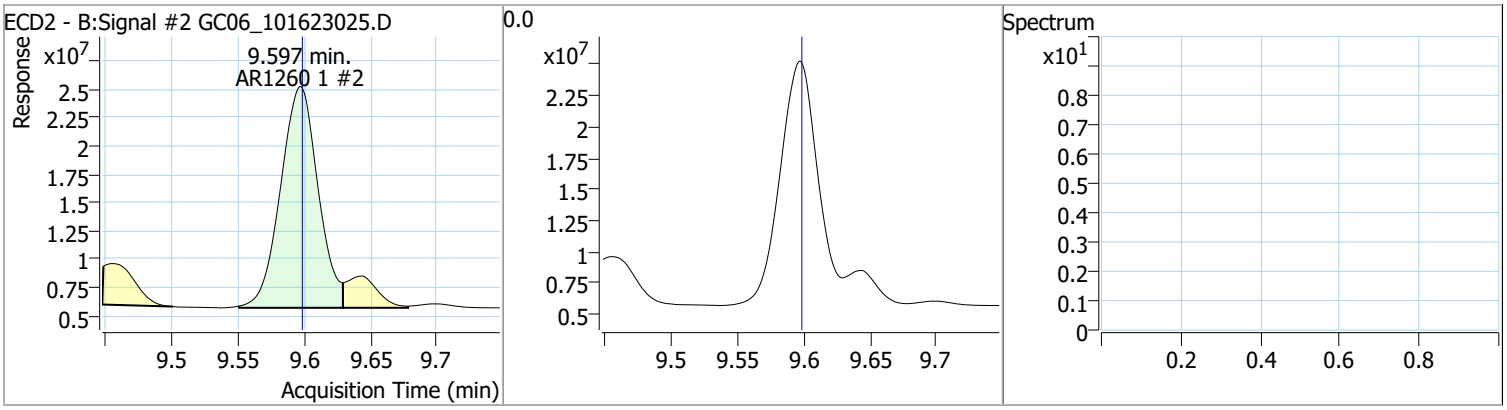

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1249.2065 | 8.88 | 0.00 | 22152742 | | | | |



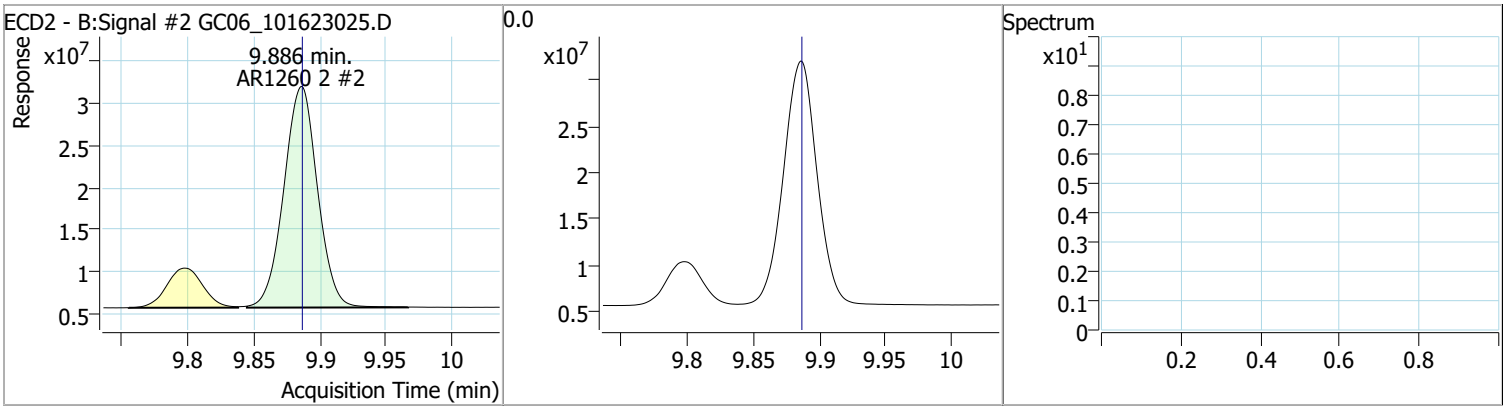

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 1263.6054 | 9.37 | 0.00 | 23530030 | | | | |



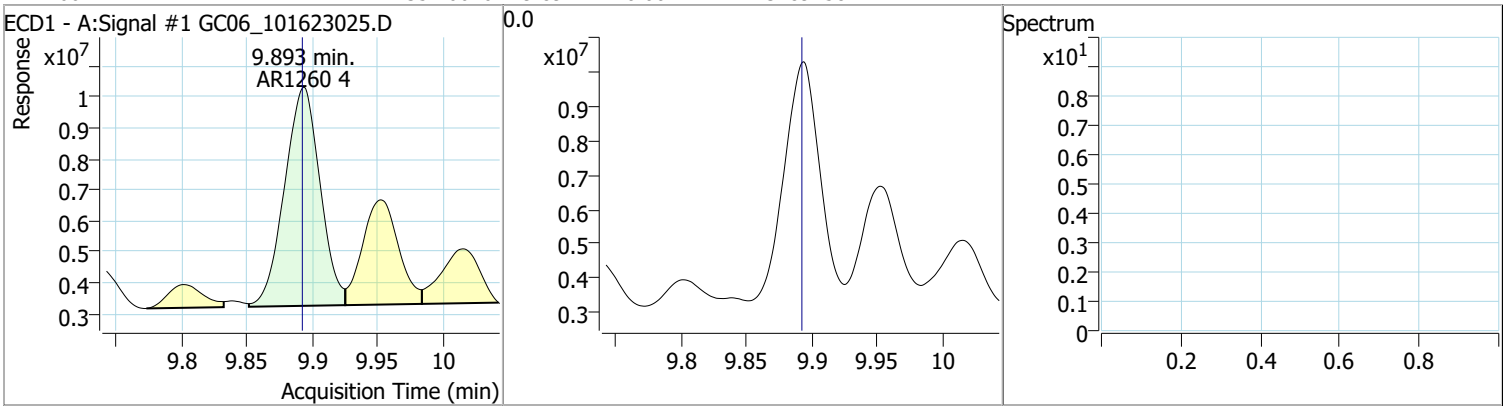

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 1323.7066 | 9.60 | 0.00 | 38489221 | | | | |



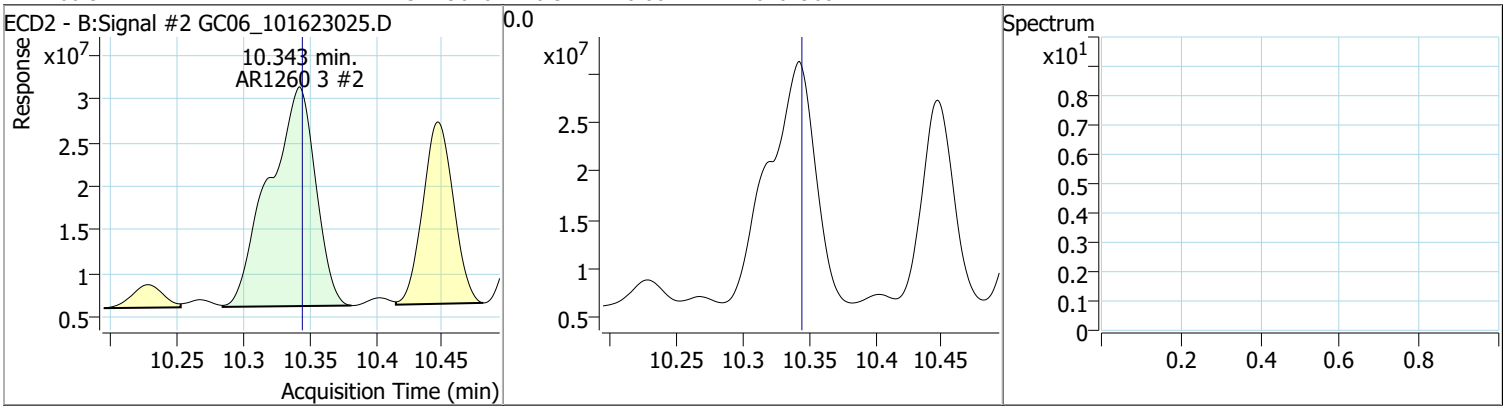
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 1326.9657 | 9.89 | 0.00 | 46551606 | | | | |



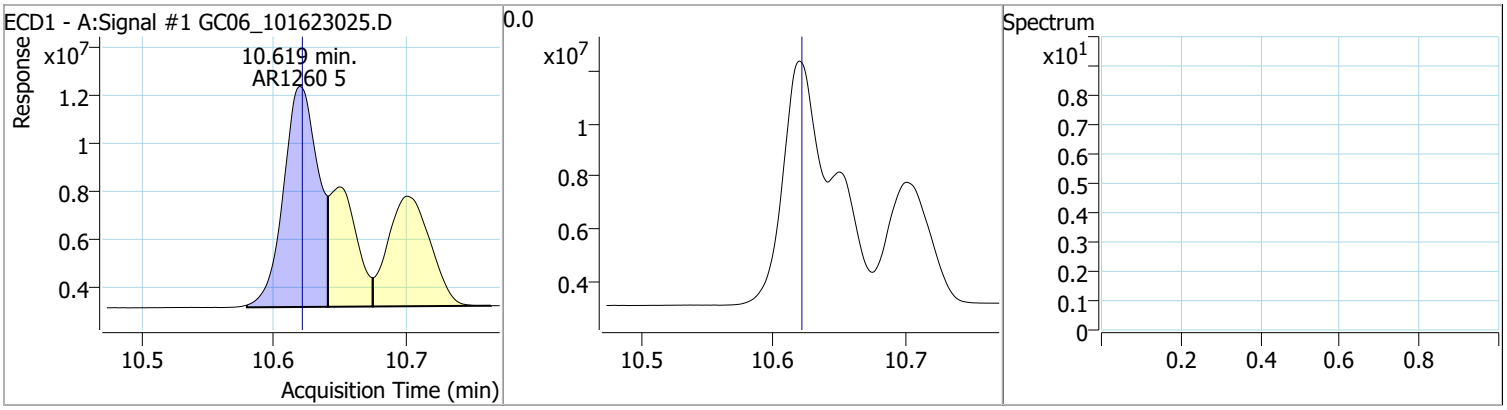

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 1357.6616 | 9.89 | 0.00 | 13289458 | | | | |



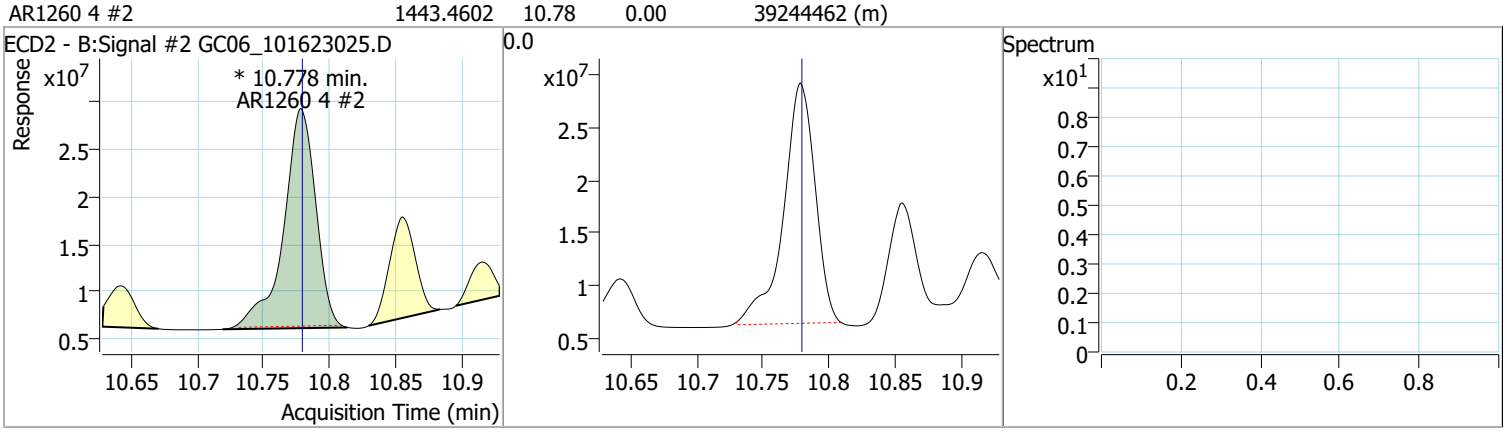

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 1377.9040 | 10.34 | 0.00 | 61619654 | | | | |



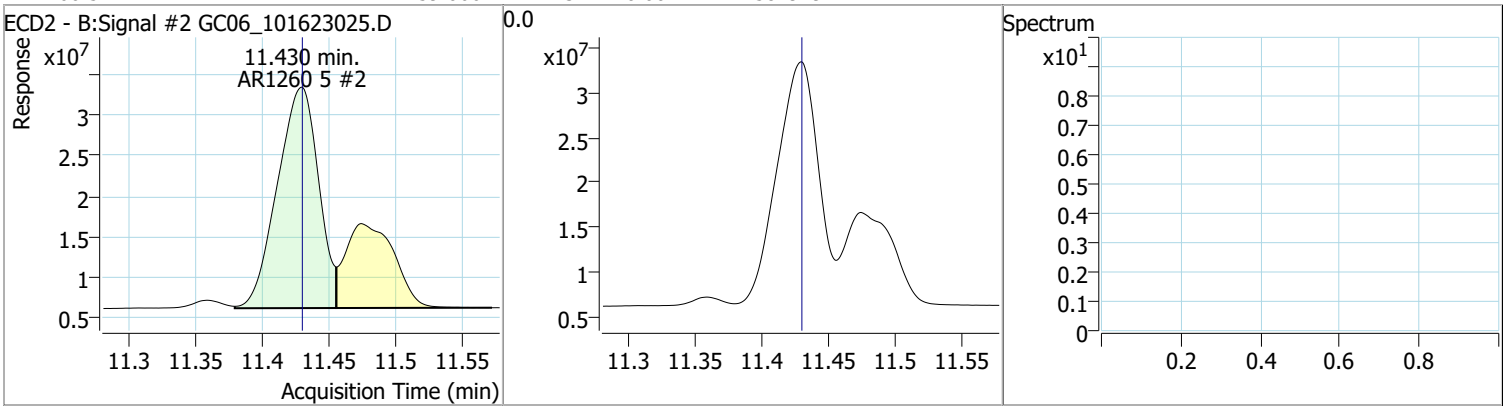

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 1338.4078 | 10.62 | 0.00 | 16717409 | | | | |



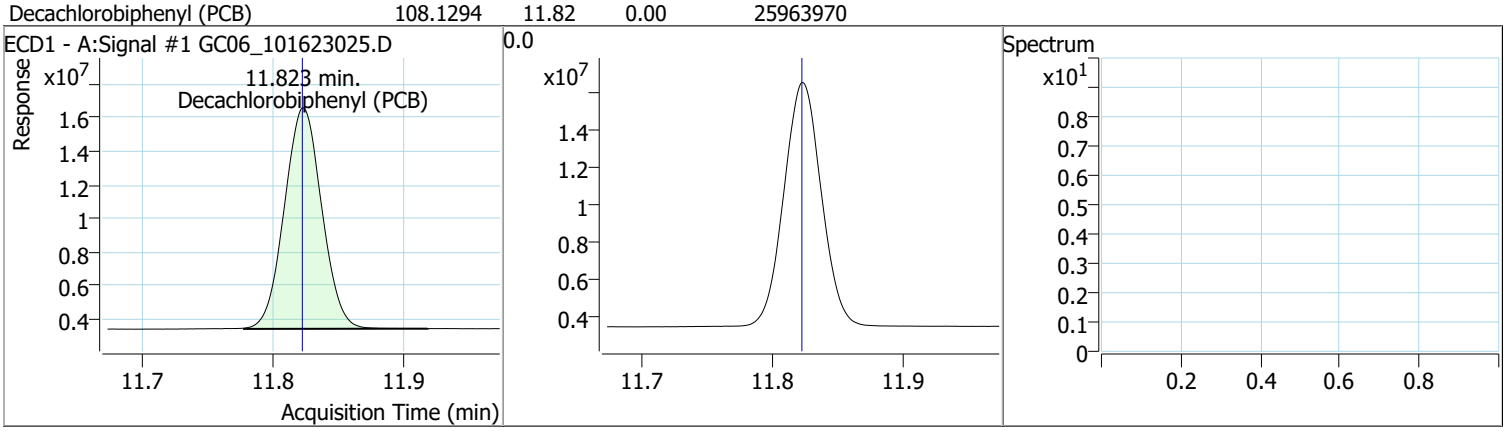
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 1443.4602 | 10.78 | 0.00 | 39244462 (m) | | | | |



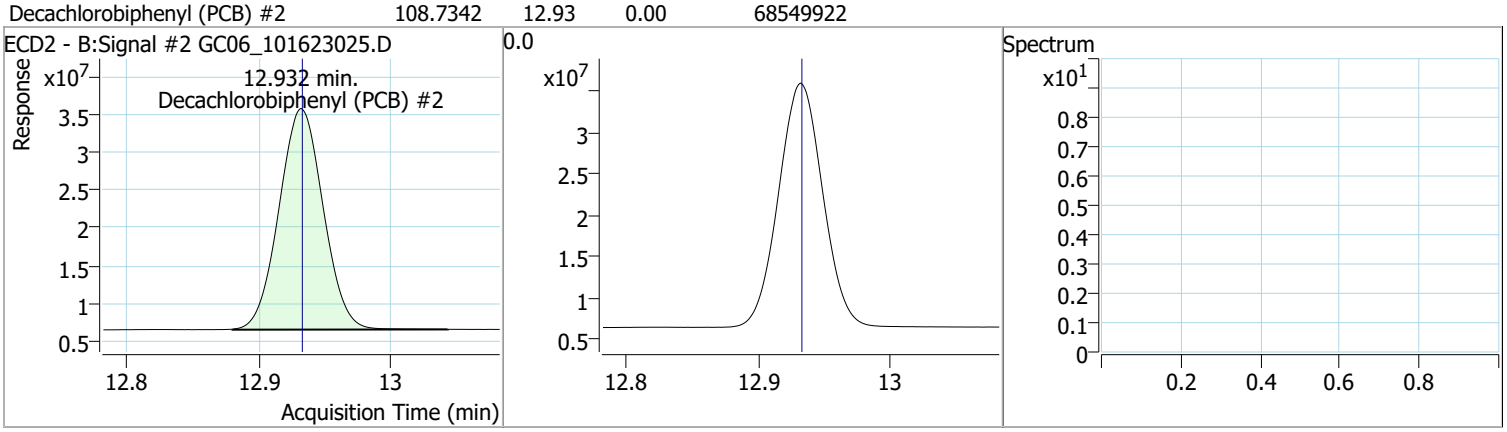

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 1459.0661 | 11.43 | 0.00 | 58791941 | | | | |




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

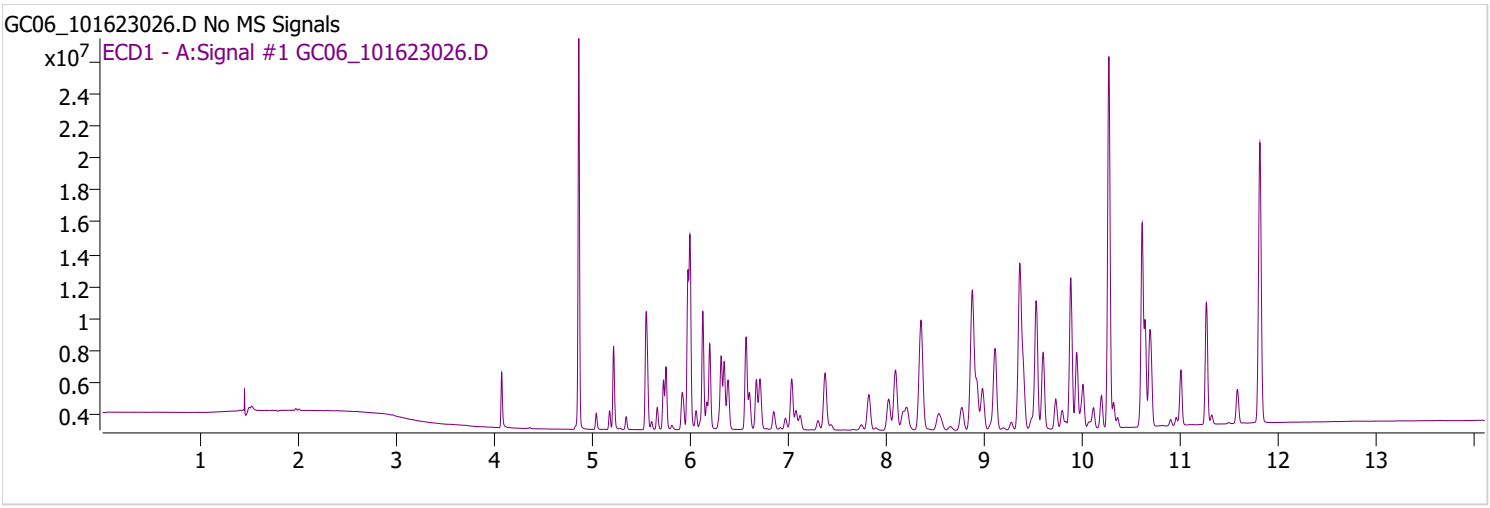


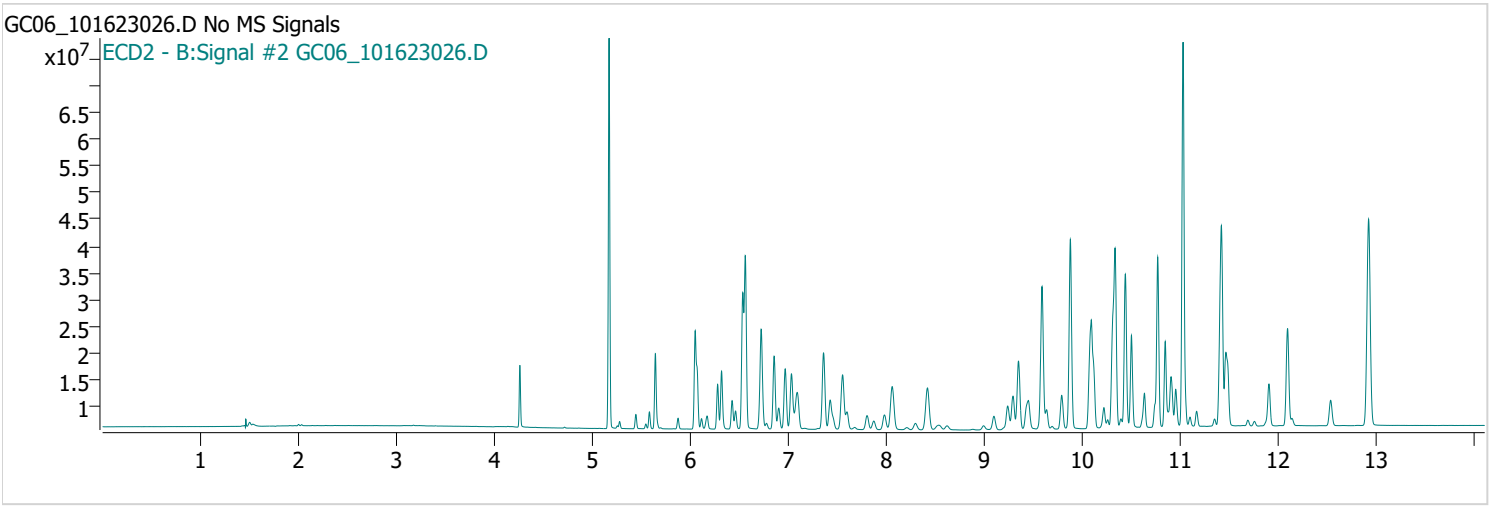

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 108.7342 | 12.93 | 0.00 | 68549922 | | | | |



# Quantitation Results Report (Not Reviewed)

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



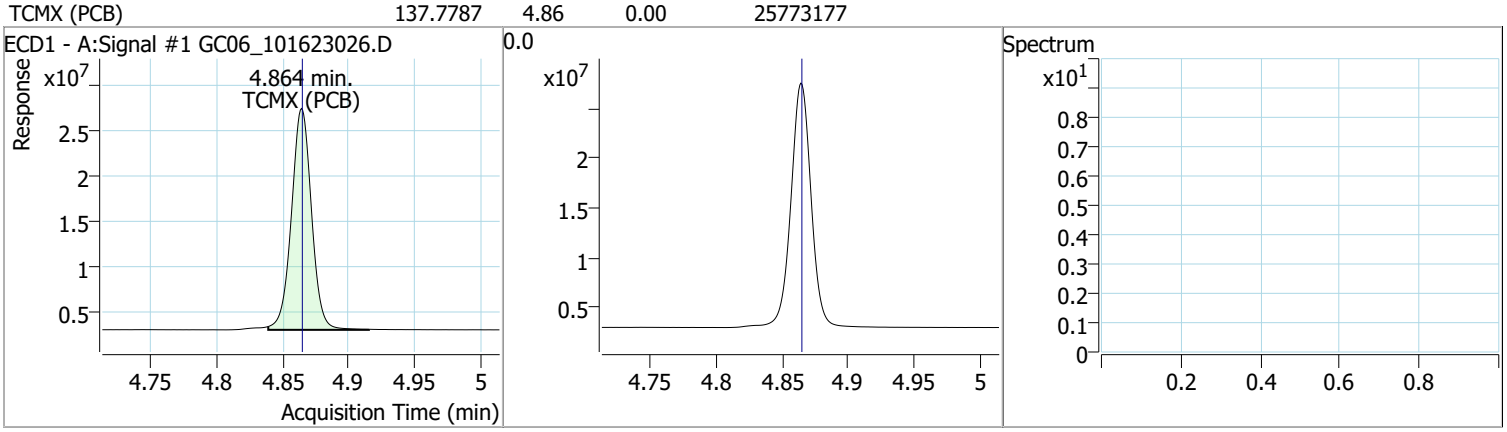




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.077 | 0.0 | 3759729.495 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 10864418.077 | 20.0000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

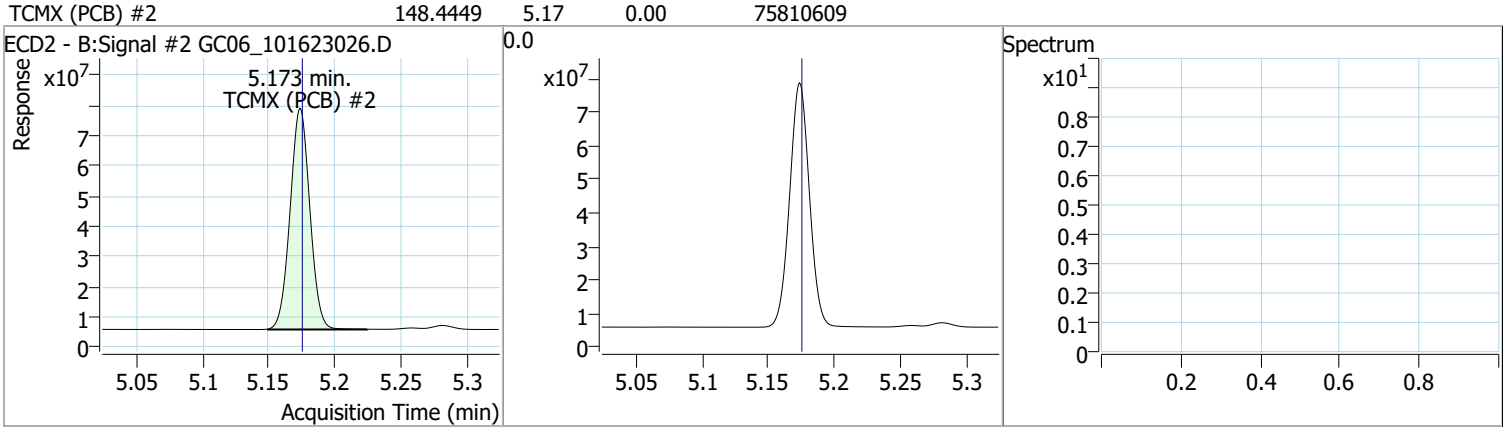
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.219 | 0.0 | 6536430.724 | 1601.8146 | ng/ml | | 100 |
| T AR1016 2 | 5.553 | 0.0 | 12752951.764 | 1557.0882 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.646 | 0.0 | 17493130.095 | 1741.2648 | ng/ml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

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

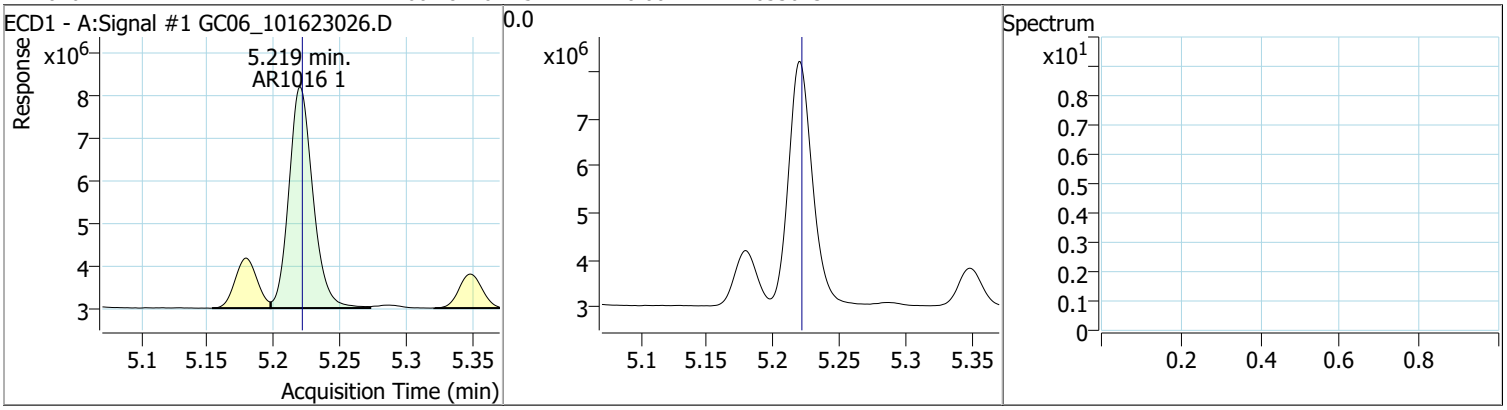
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 137.7787 | 4.86 | 0.00 | 25773177 | | | | |



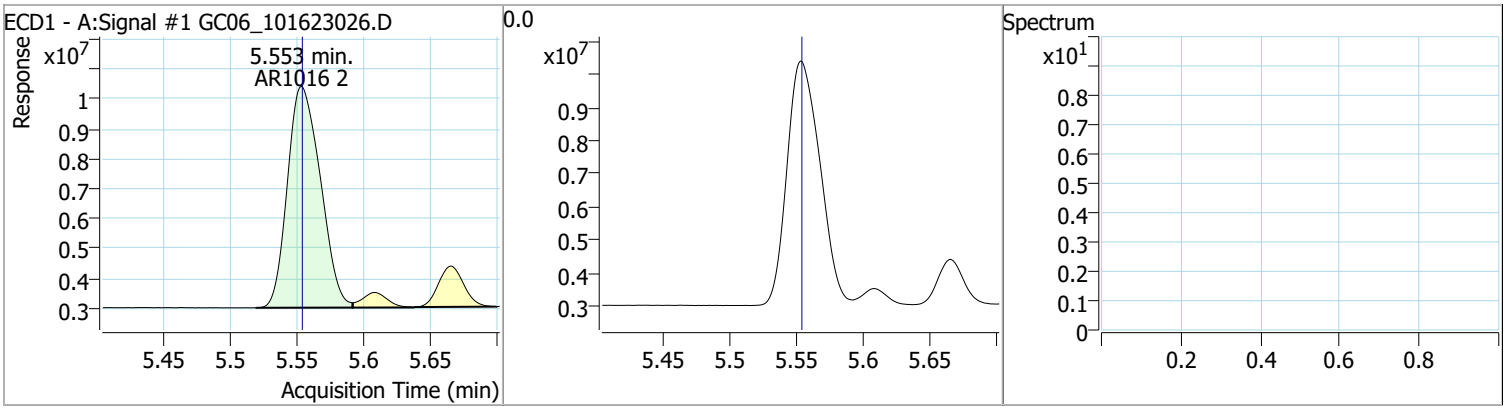

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 148.4449 | 5.17 | 0.00 | 75810609 | | | | |



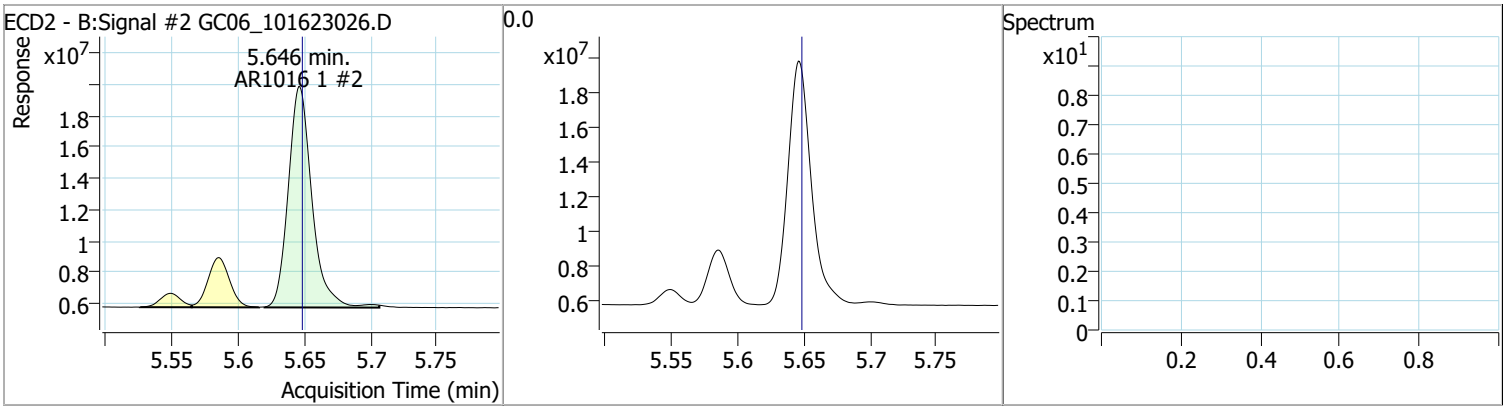

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 1601.8146 | 5.22 | 0.00 | 6536431 | | | | |



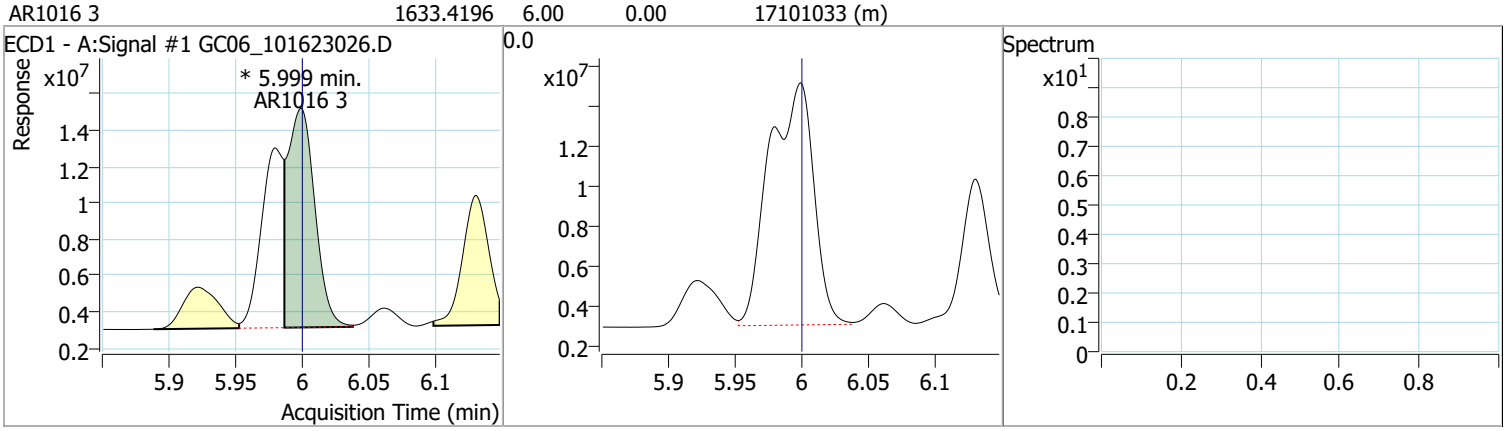

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 1557.0882 | 5.55 | 0.00 | 12752952 | | | | |



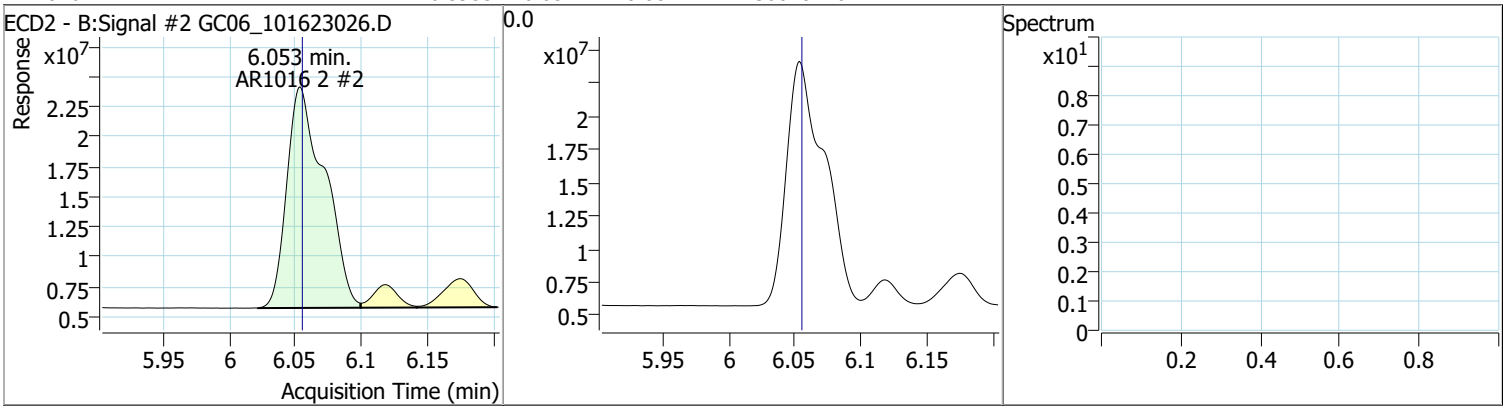
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 1741.2648 | 5.65 | 0.00 | 17493130 | | | | |



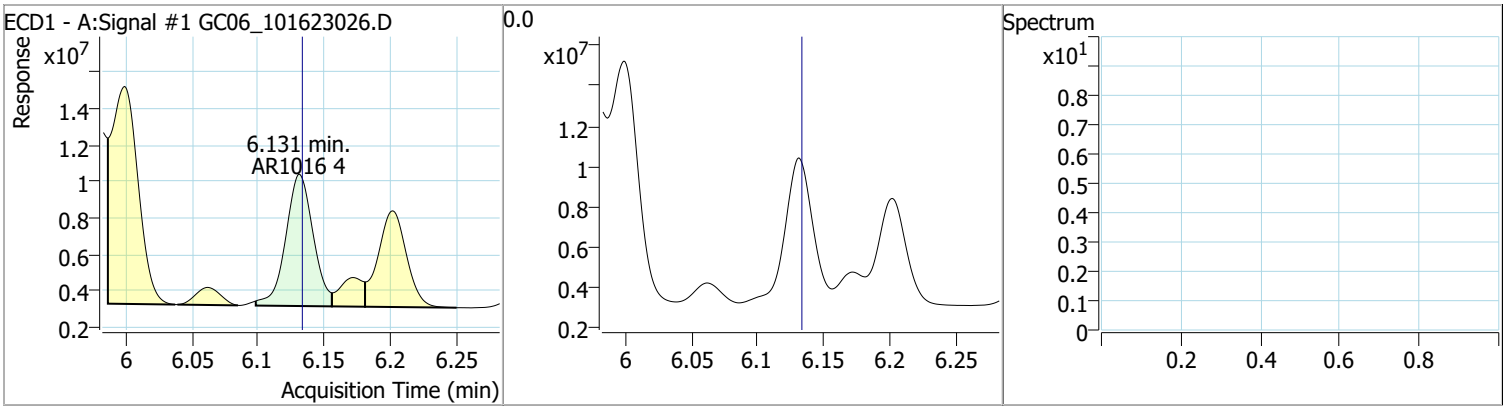

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 1633.4196 | 6.00 | 0.00 | 17101033 (m) | | | | |



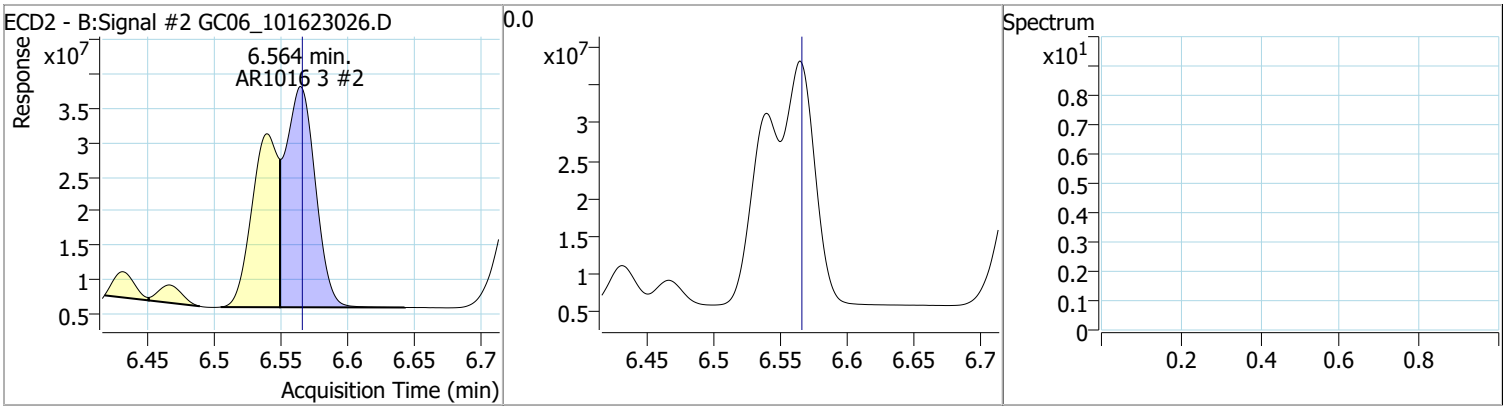

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 1746.5955 | 6.05 | 0.00 | 36618476 | | | | |



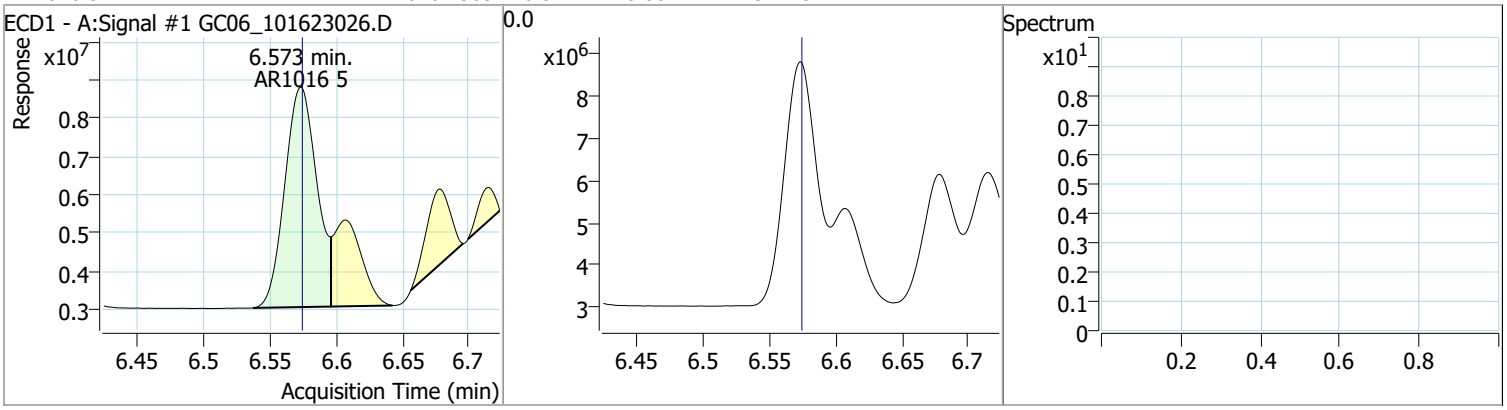

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 1589.0333 | 6.13 | 0.00 | 10423832 | | | | |



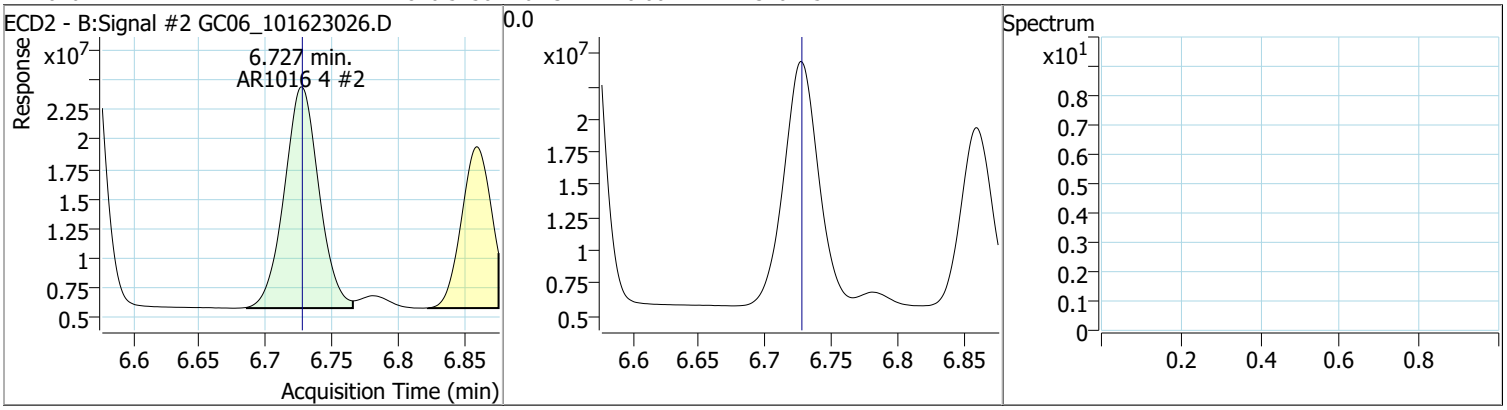
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 1818.6088 | 6.56 | 0.00 | 50736187 | | | | |



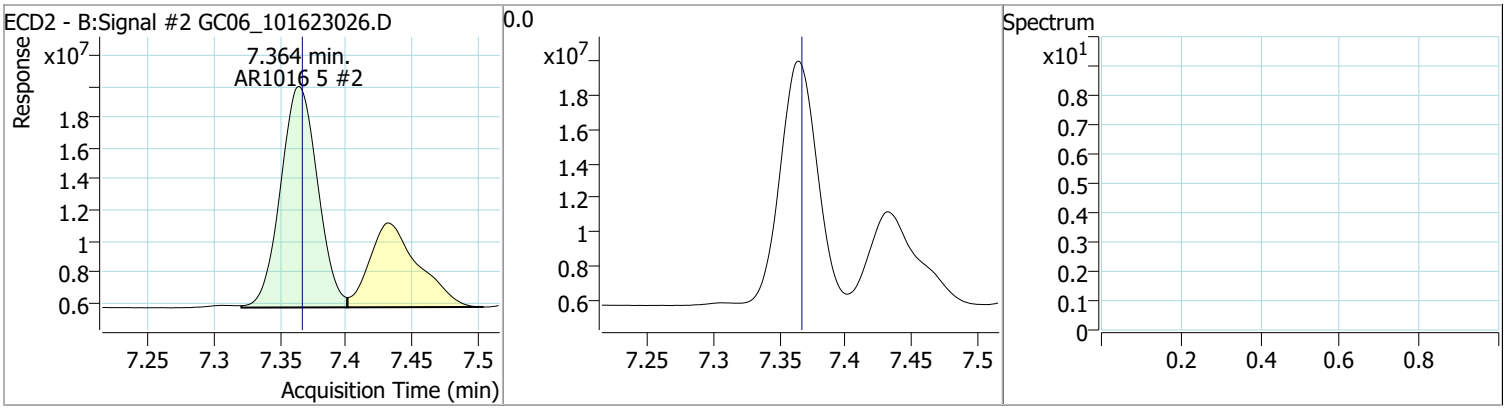

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 1646.2365 | 6.57 | 0.00 | 9717842 | | | | |



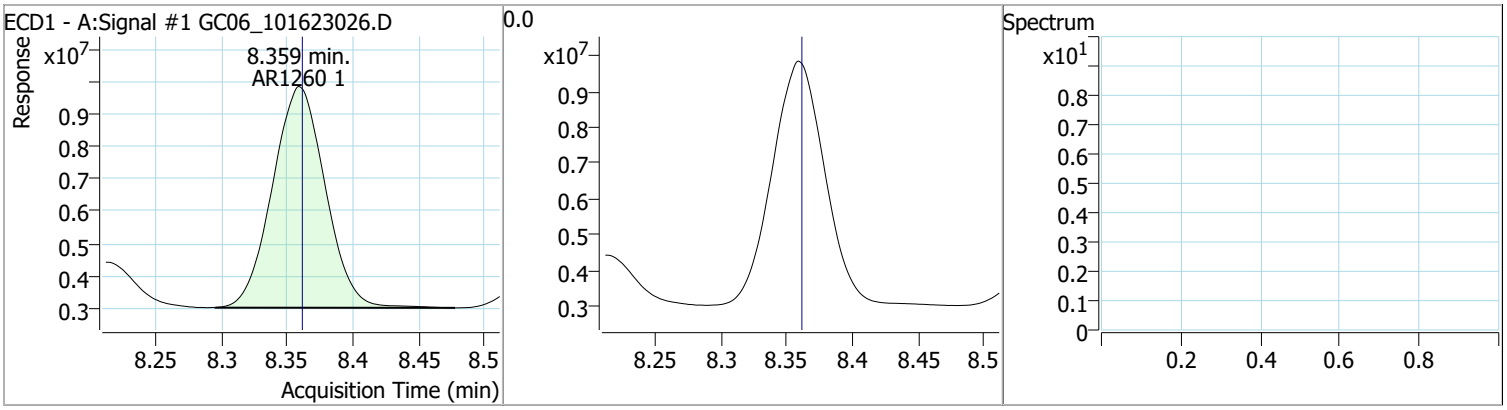

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1816.5250 | 6.73 | 0.00 | 34044577 | | | | |



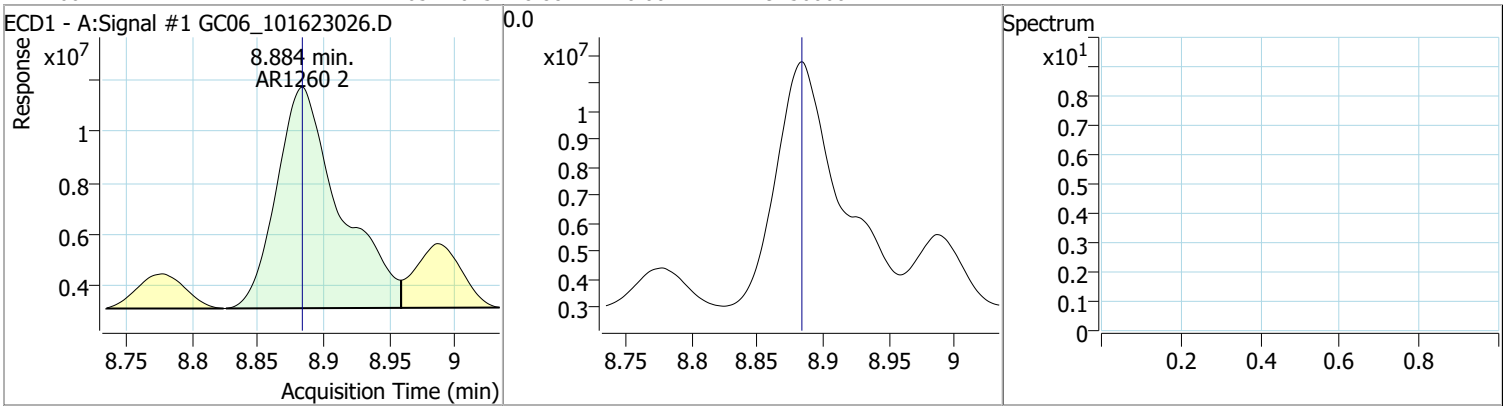

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1799.1505 | 7.36 | 0.00 | 27856850 | | | | |



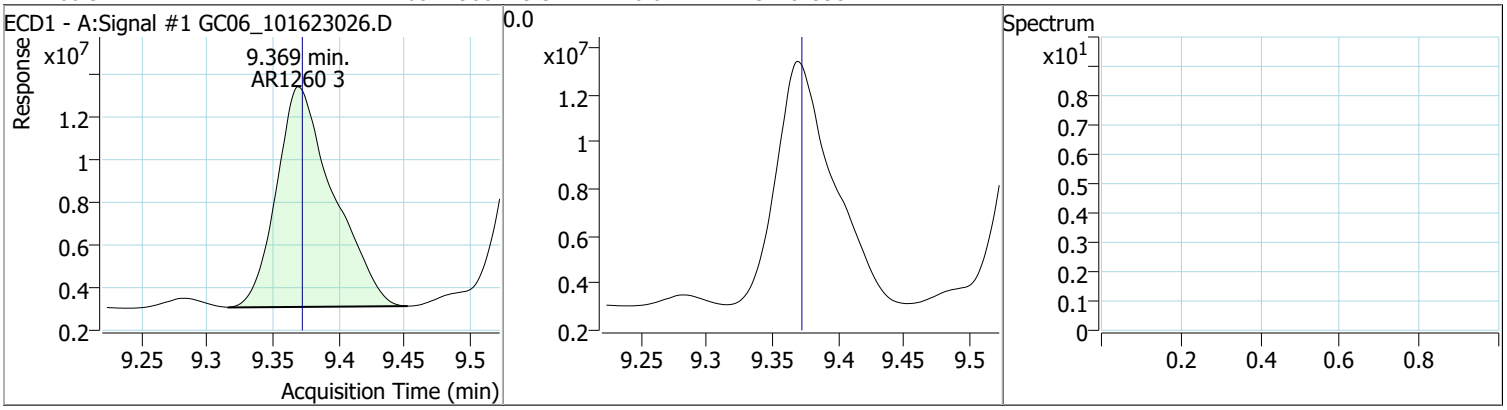
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 1683.3679 | 8.36 | 0.00 | 19135040 | | | | |



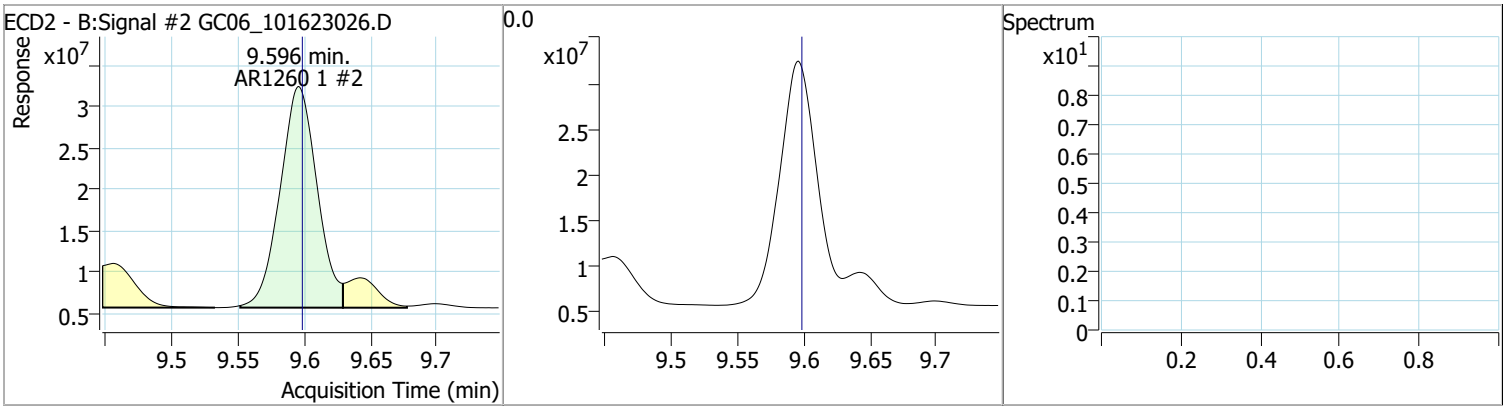

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1651.7075 | 8.88 | 0.00 | 29256060 | | | | |



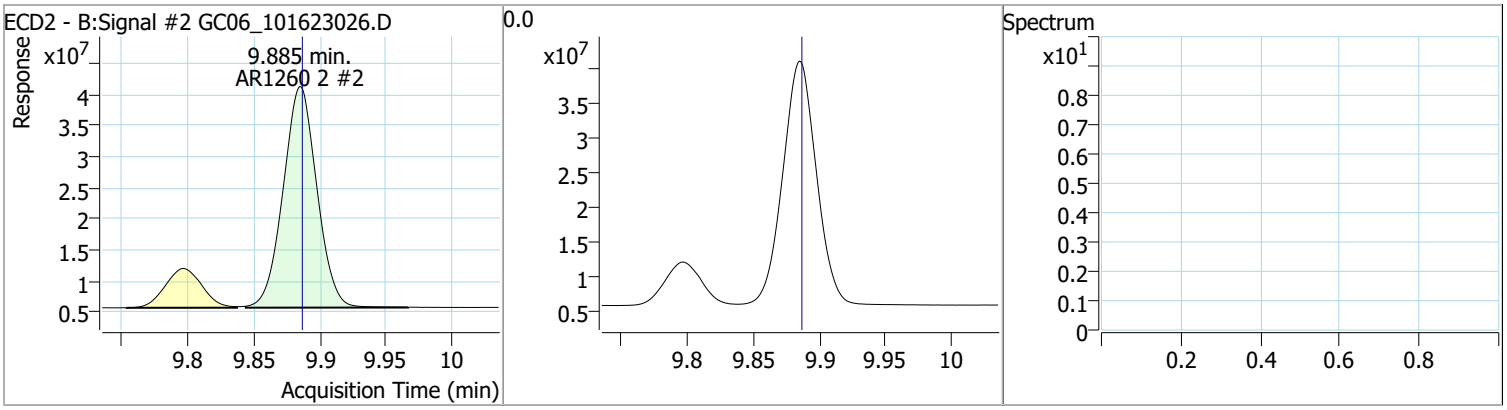

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 1682.1986 | 9.37 | -0.01 | 31287995 | | | | |



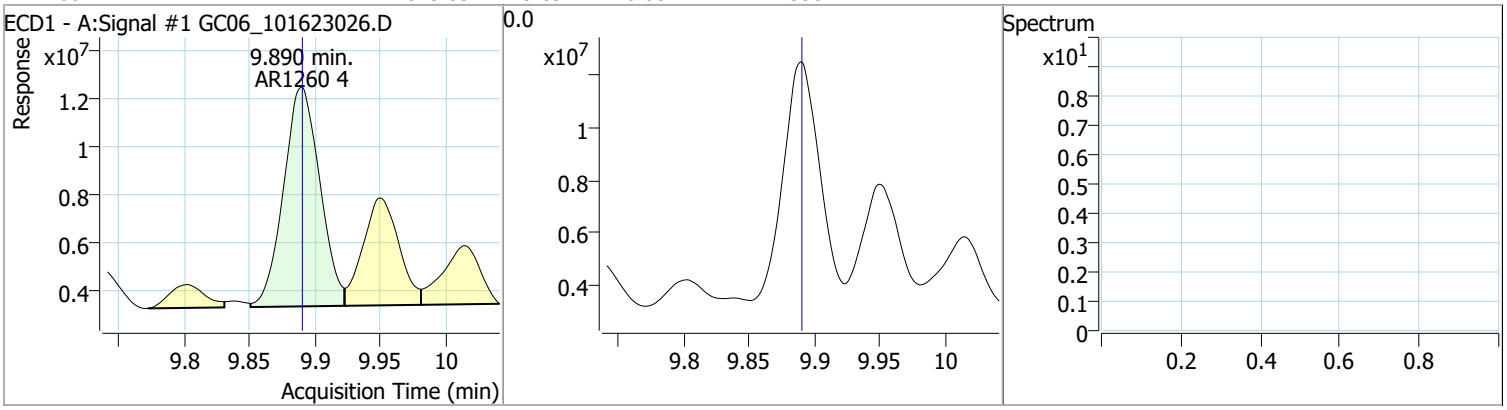

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 1807.2746 | 9.60 | 0.00 | 51983777 | | | | |



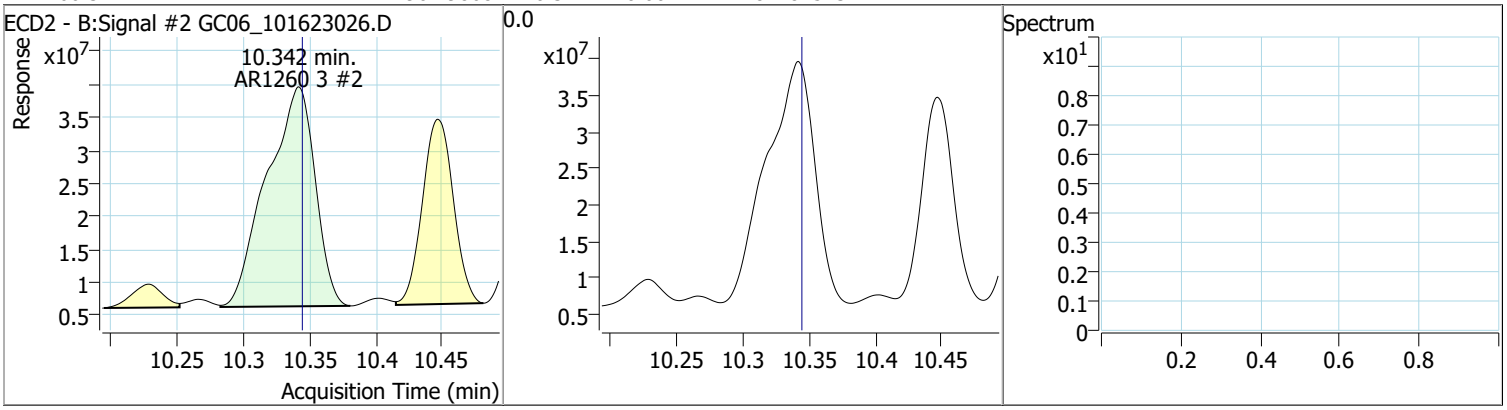
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 1811.7776 | 9.89 | 0.00 | 62874732 | | | | |



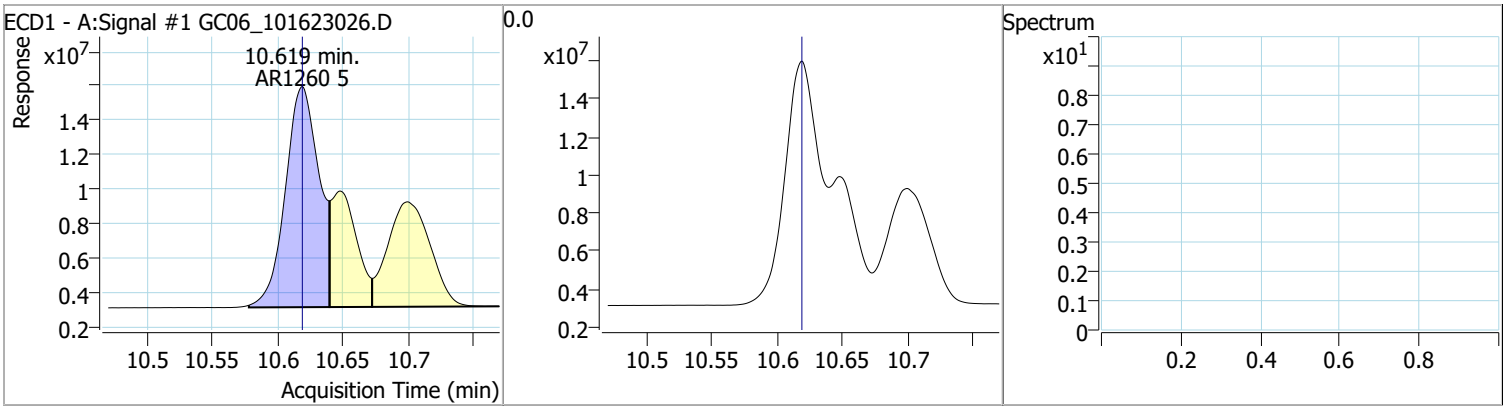

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 1813.8377 | 9.89 | 0.00 | 17733874 | | | | |



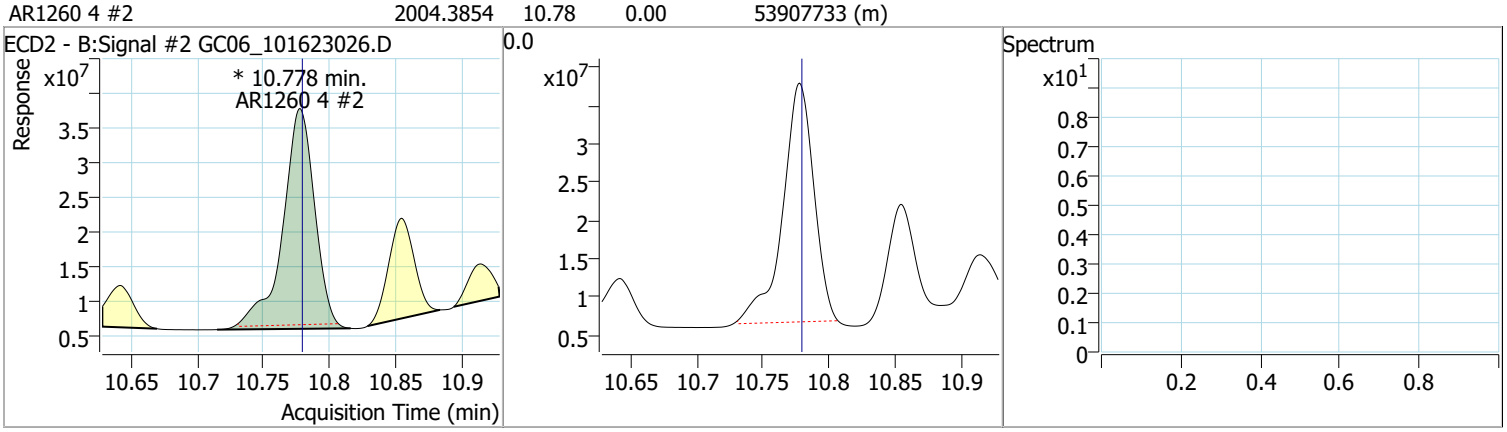

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 1902.9868 | 10.34 | 0.00 | 84184543 | | | | |



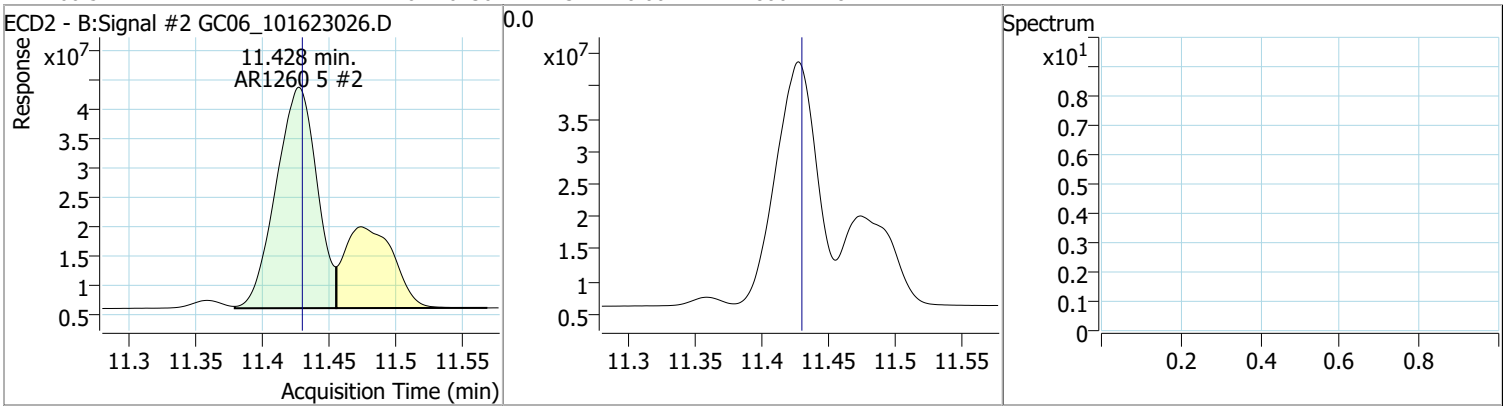

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 1824.4863 | 10.62 | 0.00 | 22762007 | | | | |



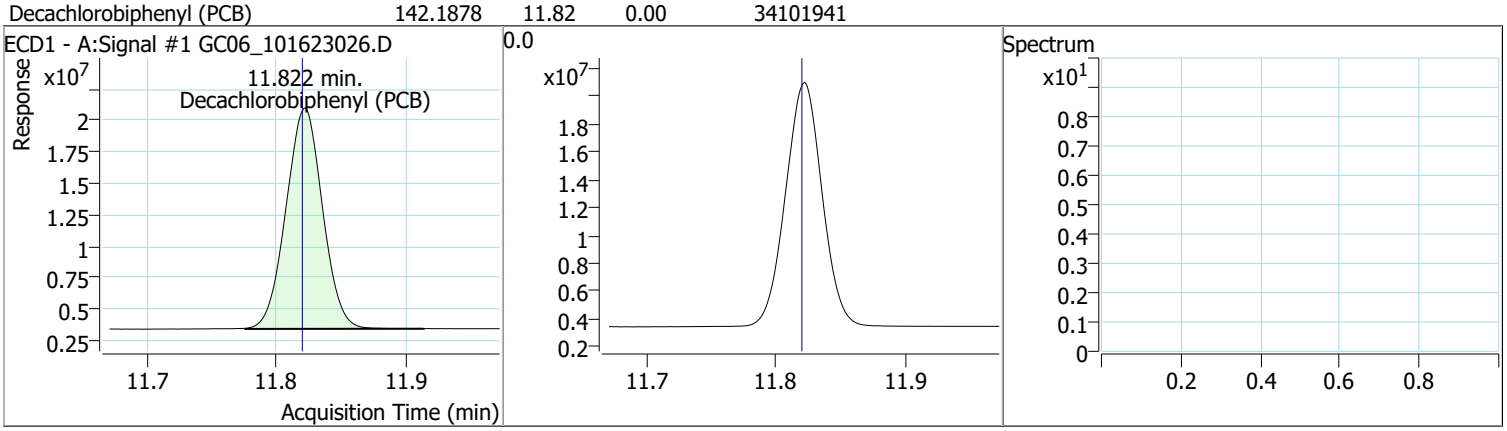
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 2004.3854 | 10.78 | 0.00 | 53907733 (m) | | | | |



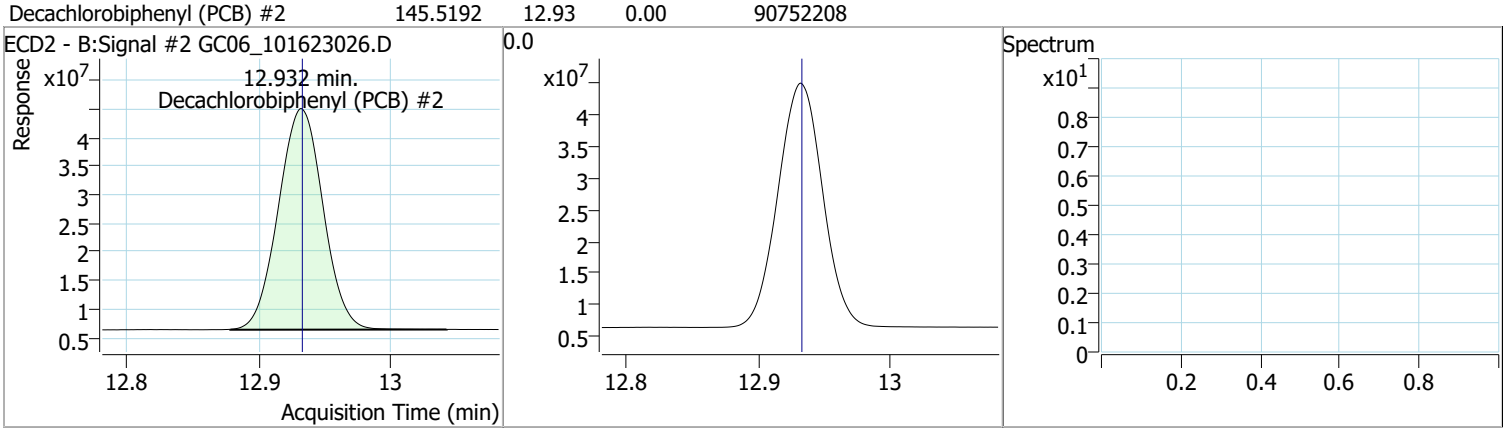

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 2022.6236 | 11.43 | 0.00 | 80622118 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 142.1878 | 11.82 | 0.00 | 34101941 | | | | |

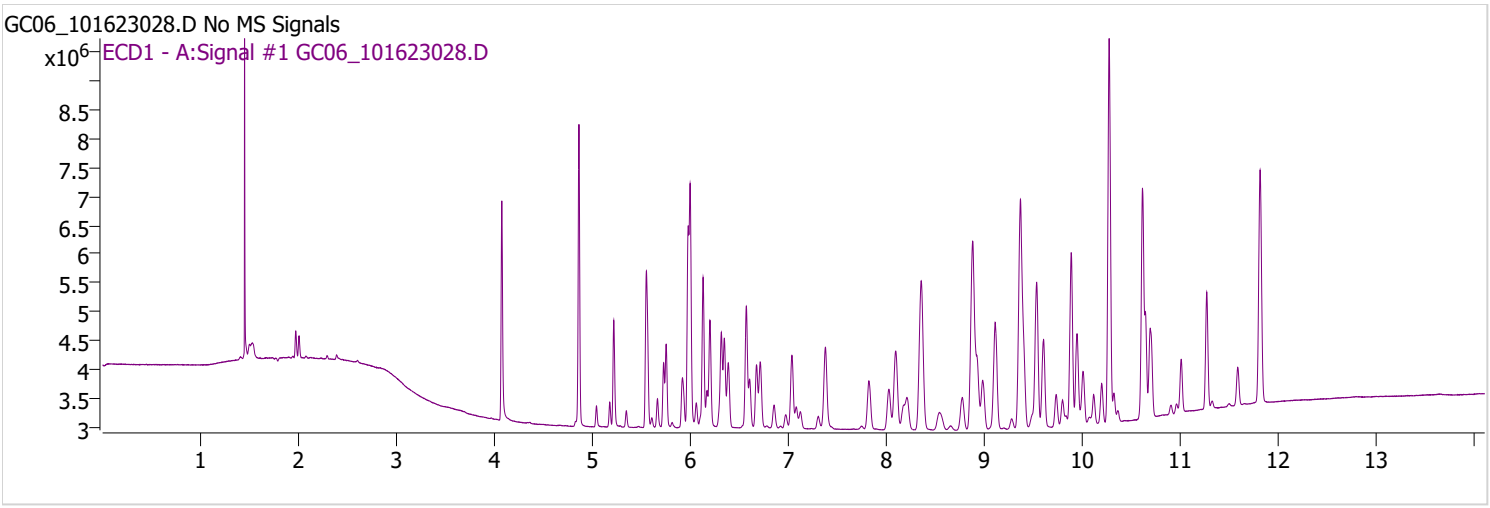


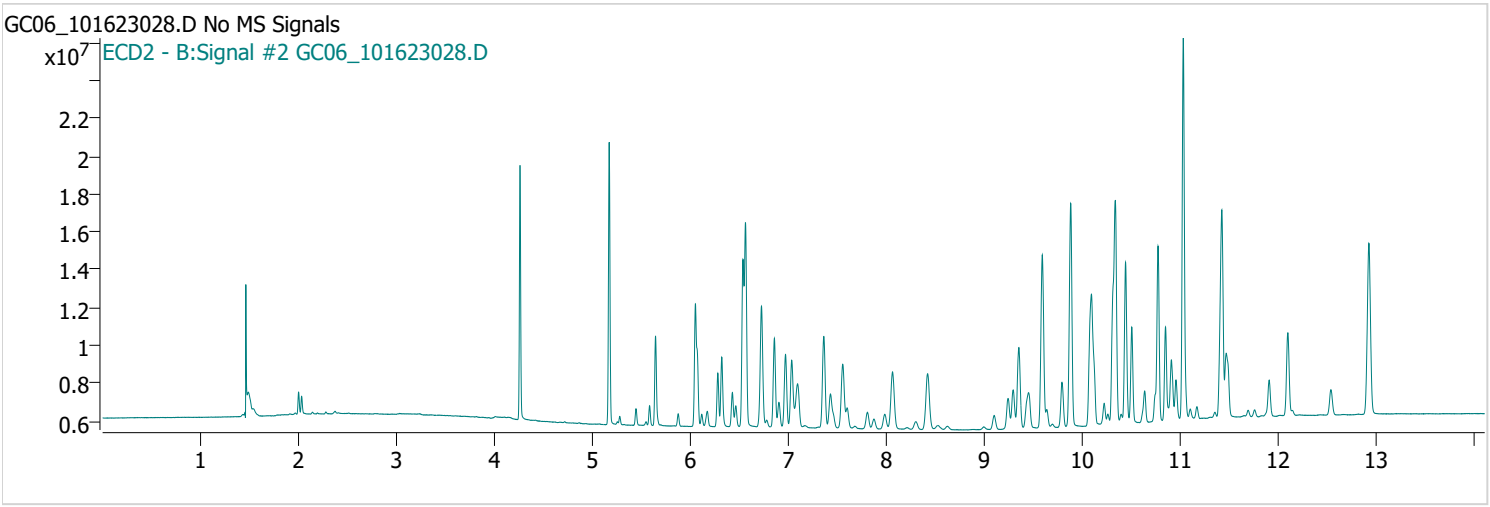

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 145.5192 | 12.93 | 0.00 | 90752208 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_101623028.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 10/16/2023 5:36:51 PM |
| Sample Name | ICV, S18851 | Instrument | SVOA-GC06 |
| Vial | 20 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_1.m | Comment | 500 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 101623PCBICAL.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



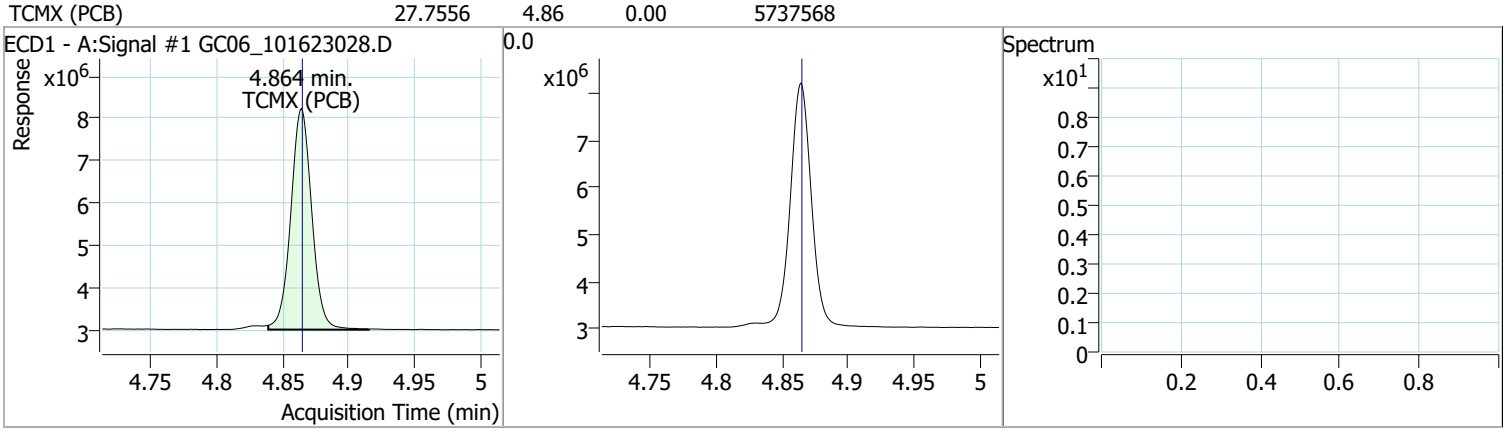




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 4.077 | 0.0 | 4154774.463 | 20.0000 | ng/ml | | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.263 | 0.0 | 12081595.135 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.864 | 0.0 | 5737567.924 | 27.7556 | ng/ml | | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 138.78% | | | |
| S TCMX (PCB) #2 | 5.173 | 0.0 | 15985491.337 | 28.1477 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 140.74% | | | |
| S Decachlorobiphenyl (PCB) | 11.820 | 0.0 | 8160238.245 | 30.7890 | ng/ml | | -0.003 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 153.94% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.931 | 0.0 | 20720951.426 | 29.8782 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 149.39% | | | |
| **Target Compounds** | | | | | | | QValue |

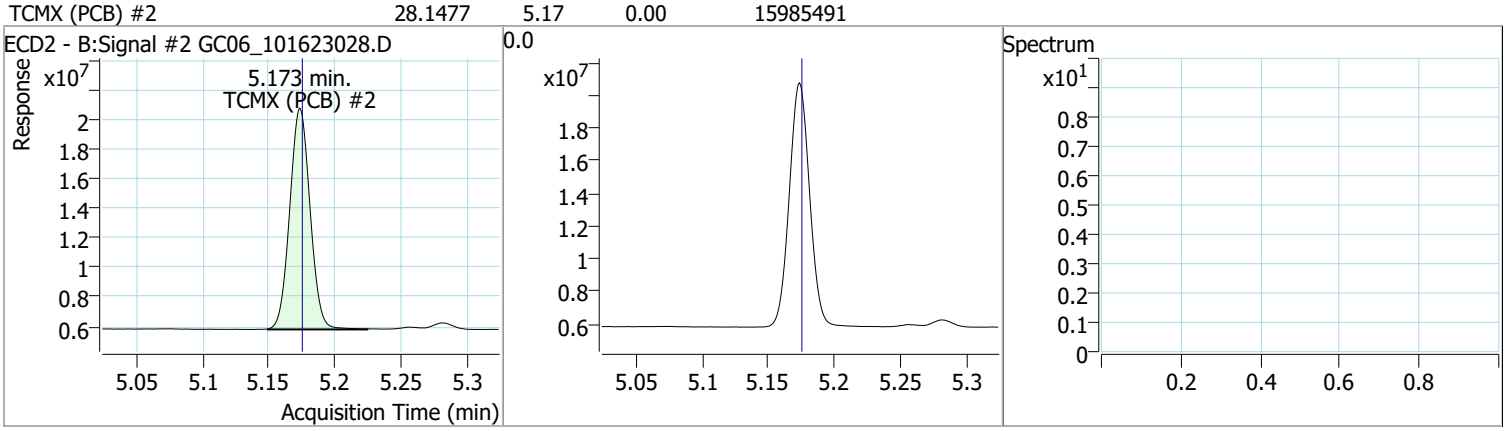
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 5.220 | 0.0 | 2342169.251 | 519.3965 | ng/ml | | 100 |
| T AR1016 2 | 5.553 | 0.0 | 4639832.738 | 512.6417 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.647 | 0.0 | 6026345.954 | 539.4281 | ng/ml | | 100 |
| T AR1016 3 | 5.999 | 0.0 | 6055563.215 | 552.8531 | ng/ml | m | 100 |
| T AR1016 2 #2 | 6.053 | 0.0 | 12770190.013 | 547.7364 | ng/ml | | 100 |
| T AR1016 4 | 6.132 | 0.0 | 3784231.757 | 522.0264 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.564 | 0.0 | 16690170.051 | 537.9779 | ng/ml | | 100 |
| T AR1016 5 | 6.573 | 0.0 | 3498828.529 | 536.3573 | ng/ml | | 100 |
| T AR1016 4 #2 | 6.728 | 0.0 | 11697332.367 | 561.2579 | ng/ml | | 100 |
| T AR1016 5 #2 | 7.364 | 0.0 | 9413535.536 | 546.7269 | ng/ml | | 100 |
| T AR1260 1 | 8.359 | 0.0 | 7207516.453 | 573.7787 | ng/ml | | 100 |
| T AR1260 2 | 8.886 | 0.0 | 11154916.835 | 569.8923 | ng/ml | | 100 |
| T AR1260 3 | 9.373 | 0.0 | 11769338.039 | 572.6124 | ng/ml | | 100 |
| T AR1260 1 #2 | 9.596 | 0.0 | 18275953.439 | 571.3715 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.886 | 0.0 | 21956176.202 | 568.9415 | ng/ml | | 100 |
| T AR1260 4 | 9.891 | 0.0 | 5600224.655 | 518.3336 | ng/ml | | 100 |
| T AR1260 3 #2 | 10.342 | 0.0 | 29591418.610 | 601.5218 | ng/ml | | 100 |
| T AR1260 5 | 10.619 | 0.0 | 7374665.951 | 534.9110 | ng/ml | m | 100 |
| T AR1260 4 #2 | 10.778 | 0.0 | 16227133.525 | 542.5680 | ng/ml | m | 100 |
| T AR1260 5 #2 | 11.429 | 0.0 | 23475695.353 | 529.6165 | ng/ml | | 100 |

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

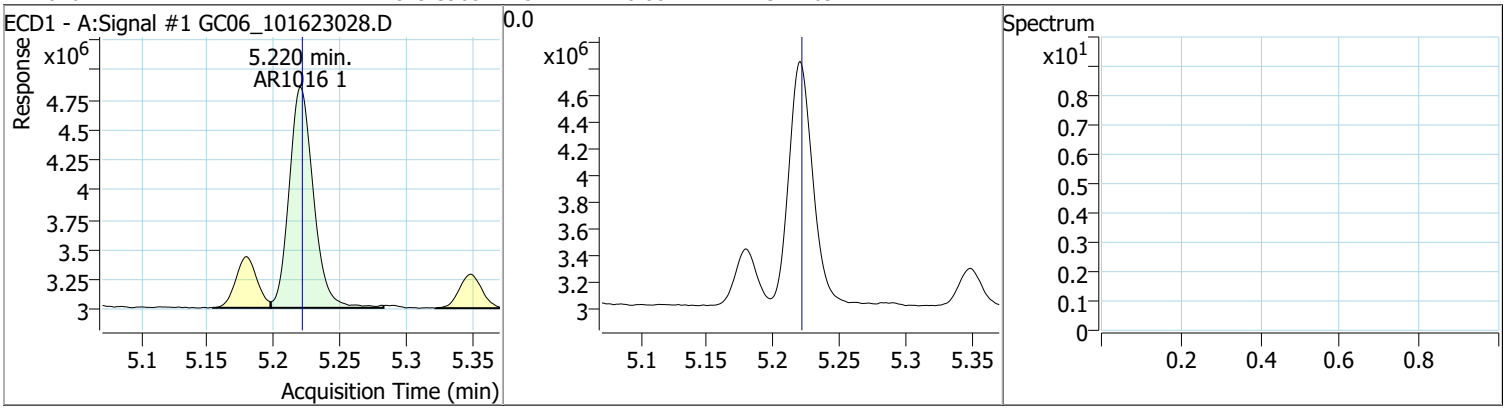
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 27.7556 | 4.86 | 0.00 | 5737568 | | | | |



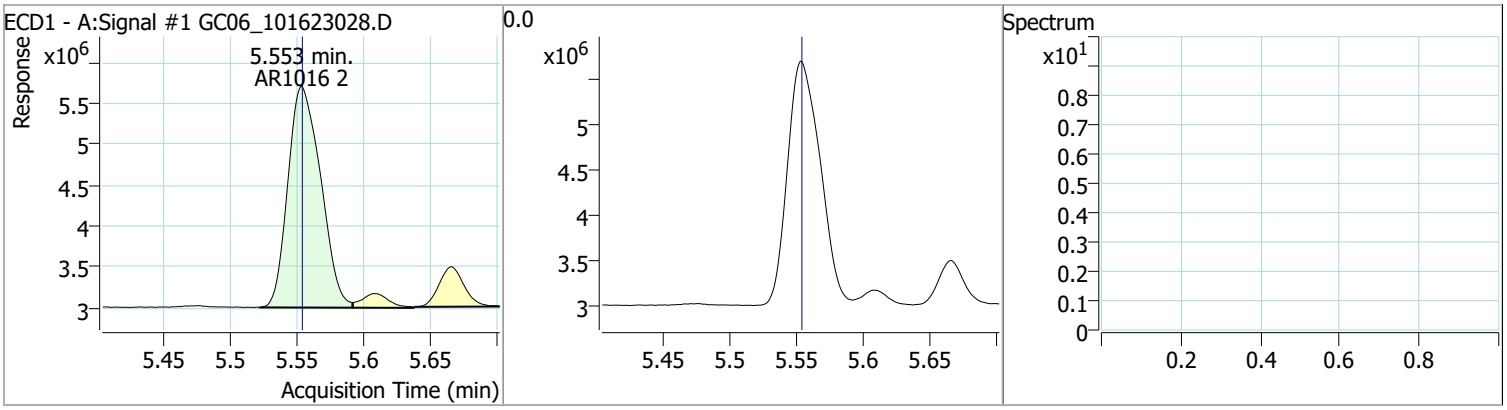

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 28.1477 | 5.17 | 0.00 | 15985491 | | | | |



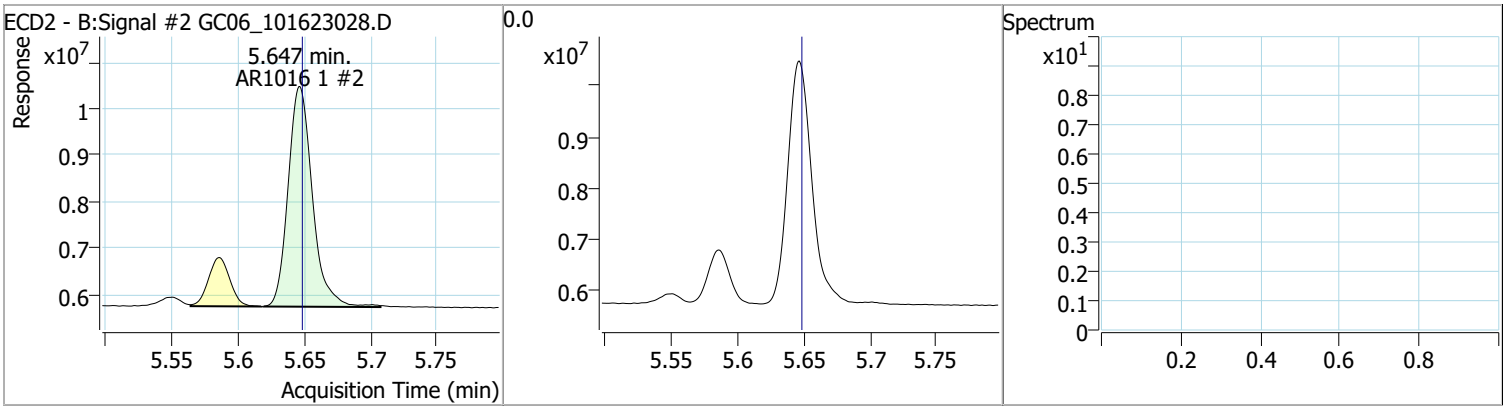

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 519.3965 | 5.22 | 0.00 | 2342169 | | | | |



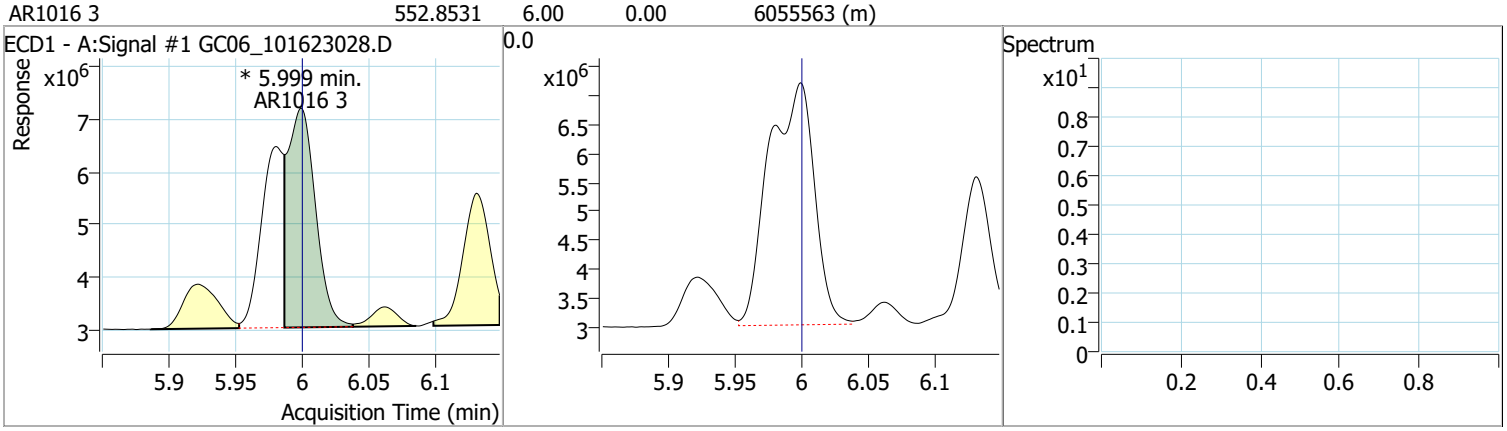

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 512.6417 | 5.55 | 0.00 | 4639833 | | | | |



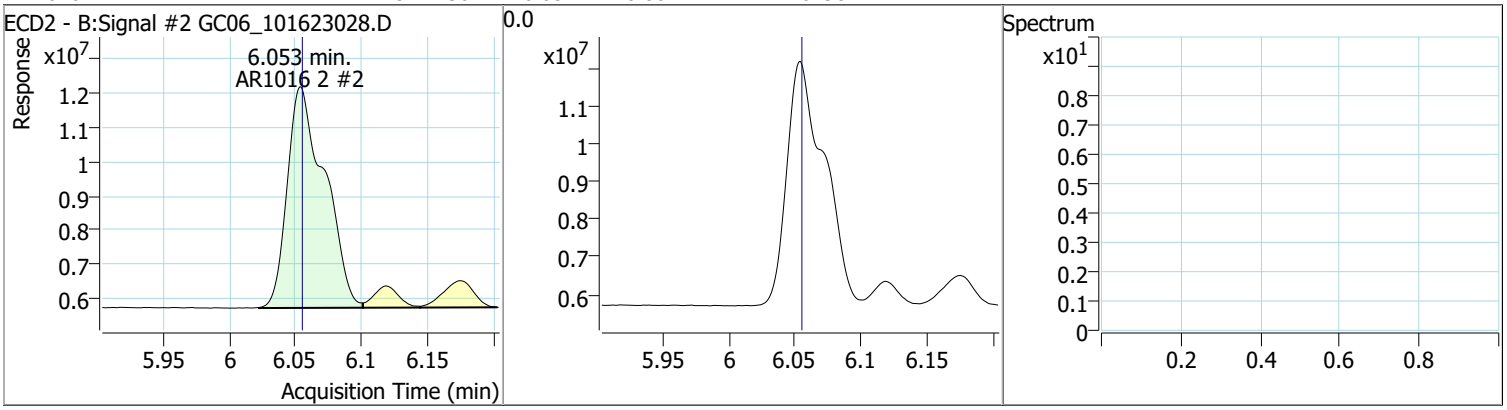
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 539.4281 | 5.65 | 0.00 | 6026346 | | | | |



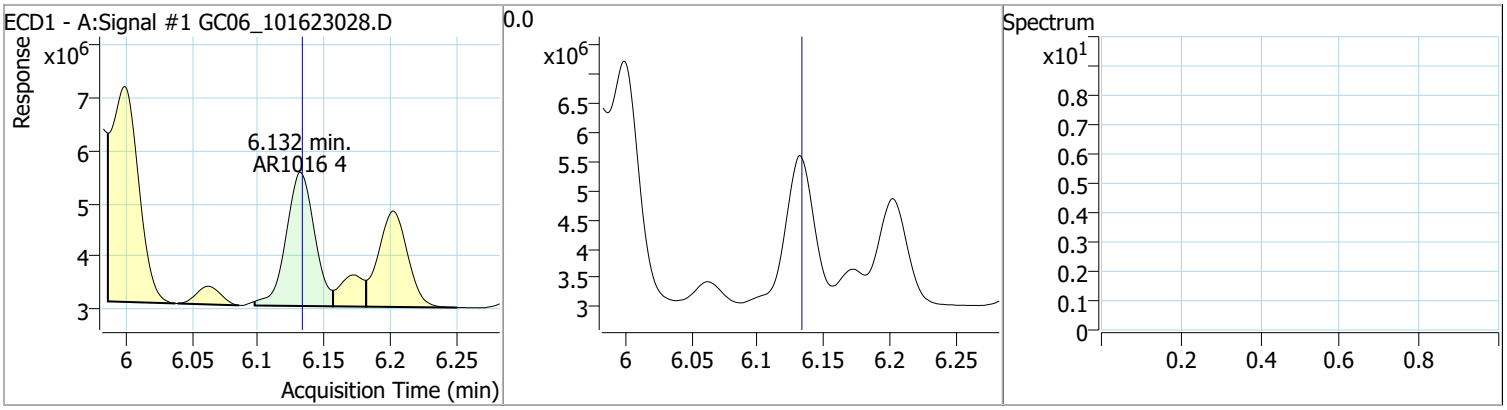

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 552.8531 | 6.00 | 0.00 | 6055563 (m) | | | | |



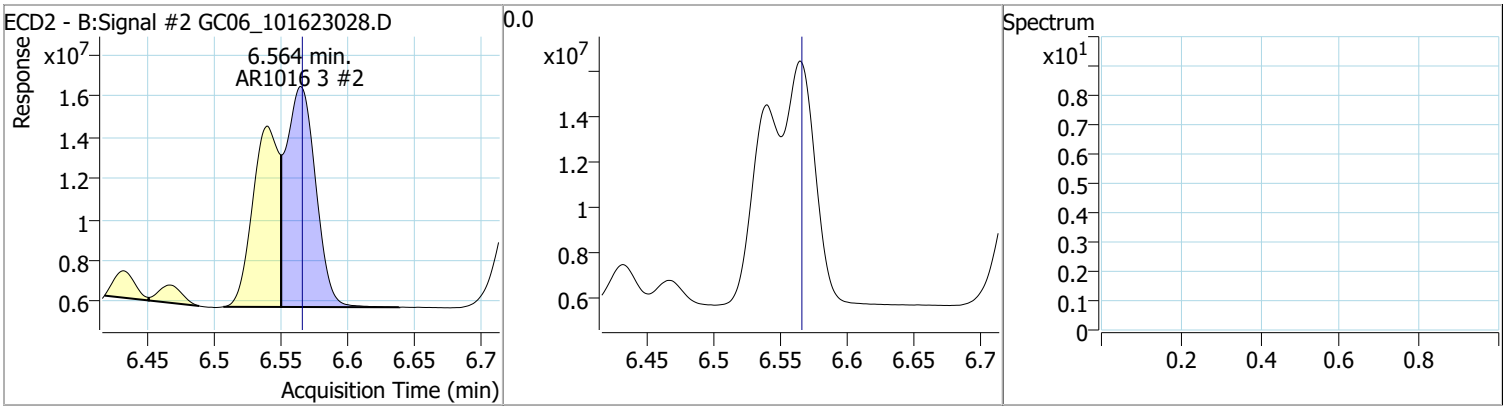

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 547.7364 | 6.05 | 0.00 | 12770190 | | | | |



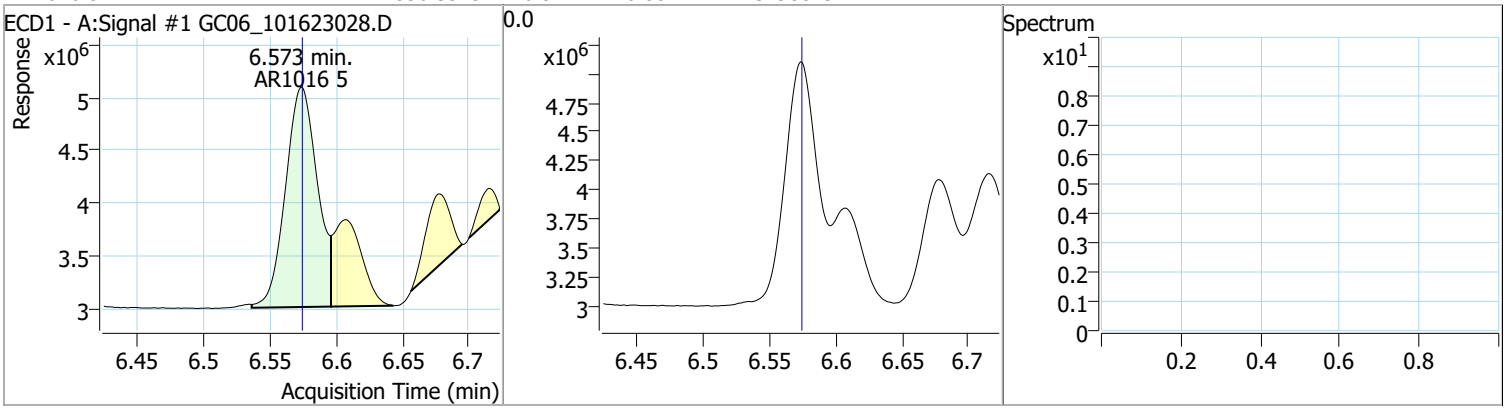

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 522.0264 | 6.13 | 0.00 | 3784232 | | | | |



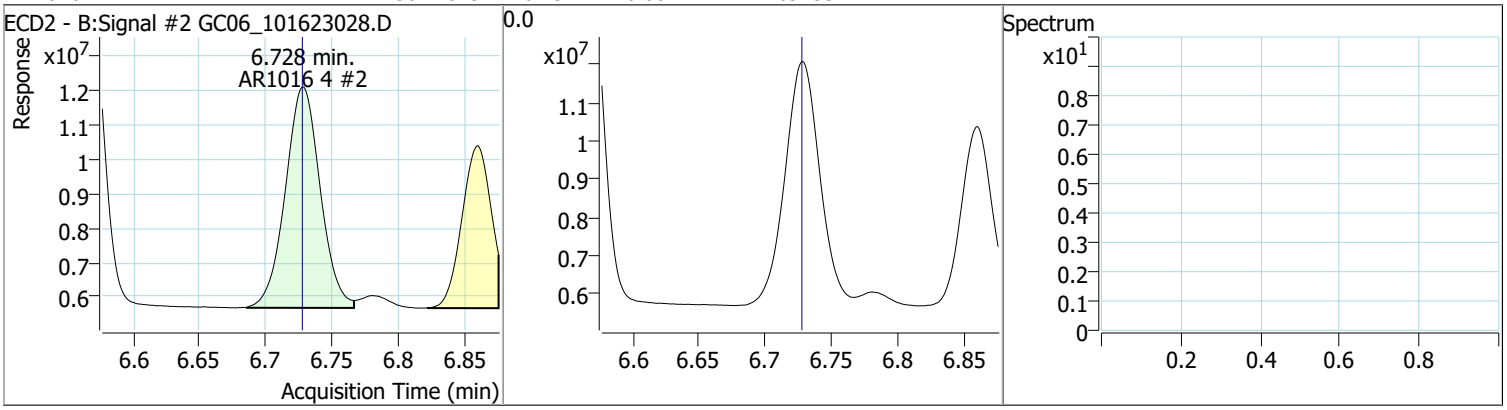
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 537.9779 | 6.56 | 0.00 | 16690170 | | | | |



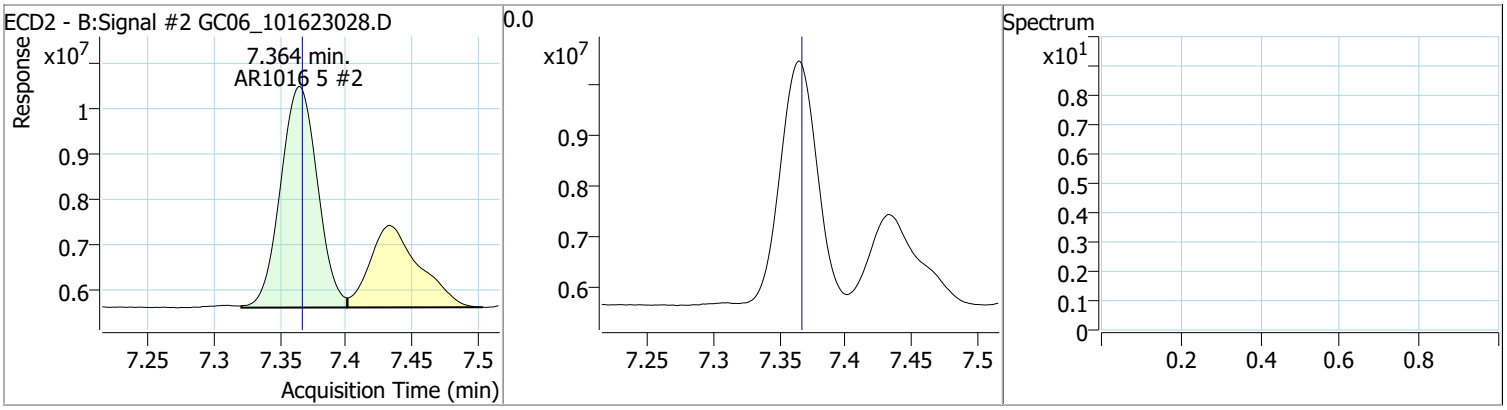

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 536.3573 | 6.57 | 0.00 | 3498829 | | | | |



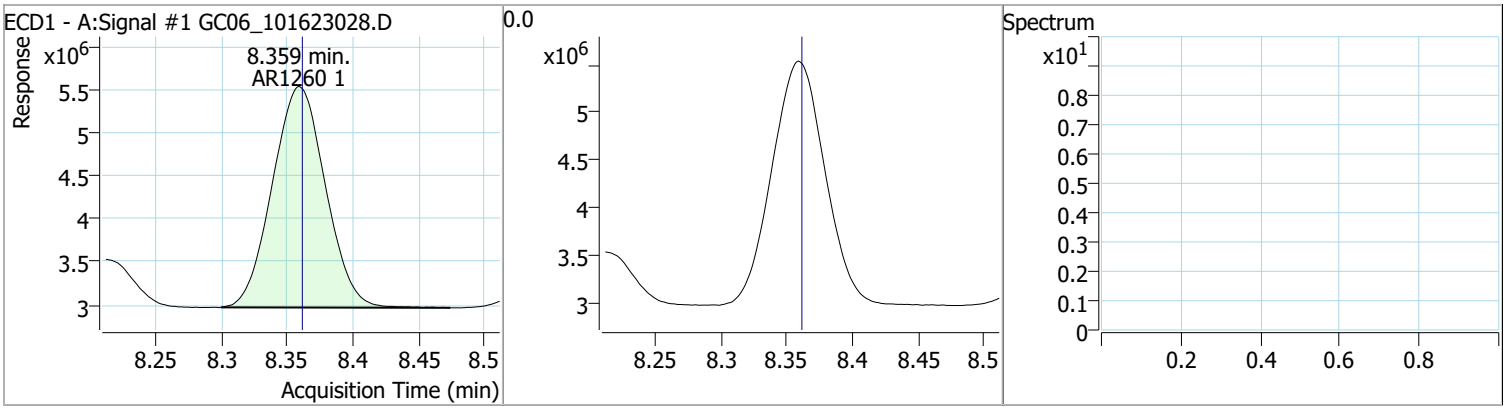

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 561.2579 | 6.73 | 0.00 | 11697332 | | | | |



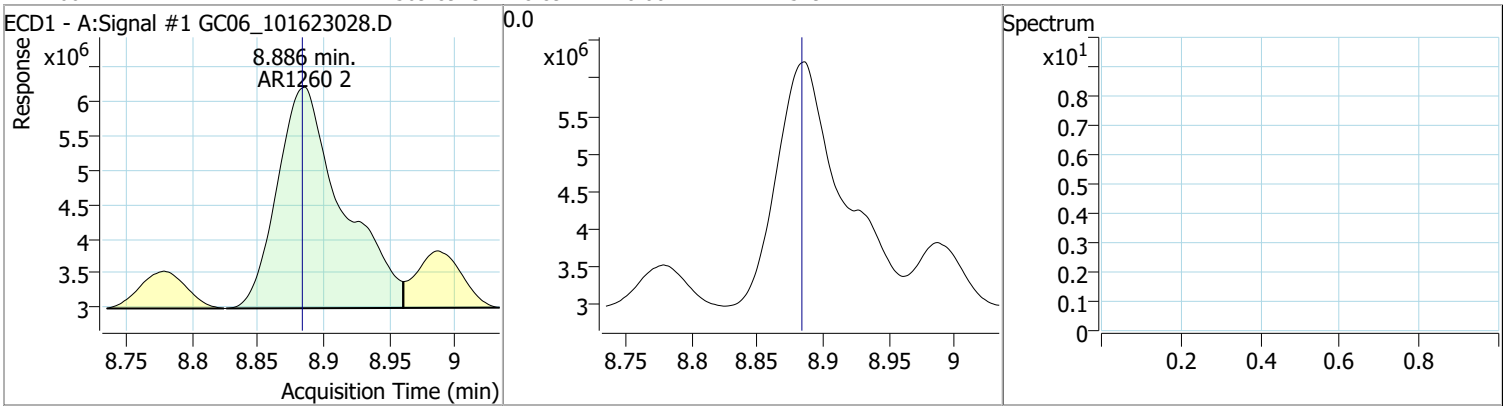

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 546.7269 | 7.36 | 0.00 | 9413536 | | | | |



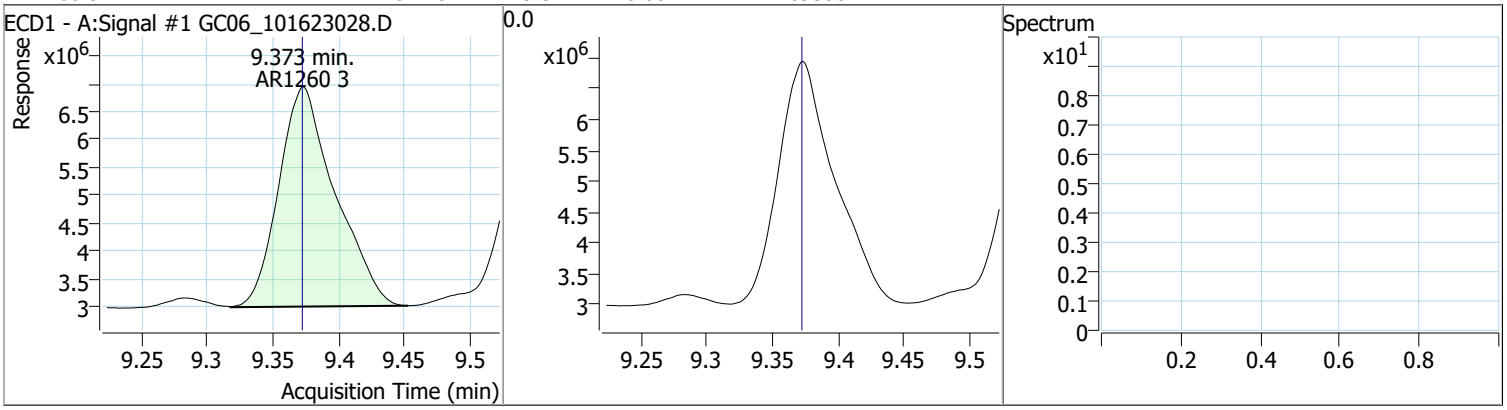
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 573.7787 | 8.36 | 0.00 | 7207516 | | | | |



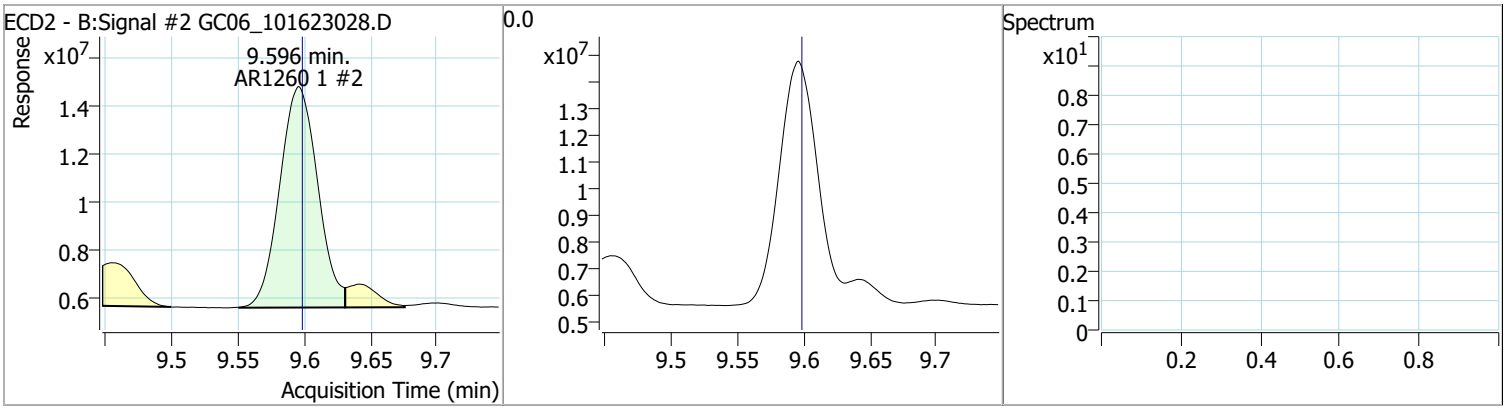

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 569.8923 | 8.89 | 0.00 | 11154917 | | | | |



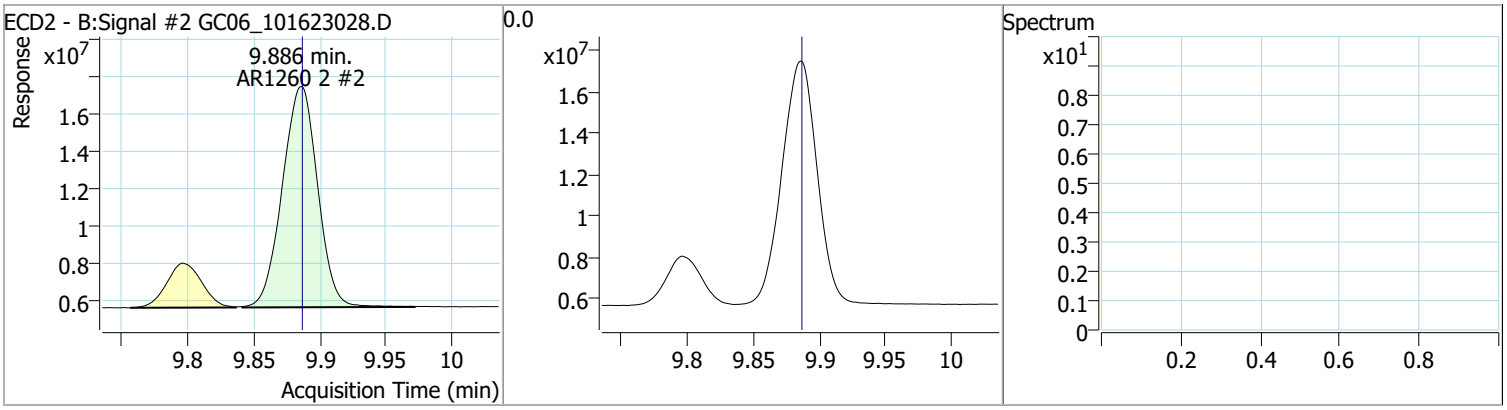

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 572.6124 | 9.37 | 0.00 | 11769338 | | | | |



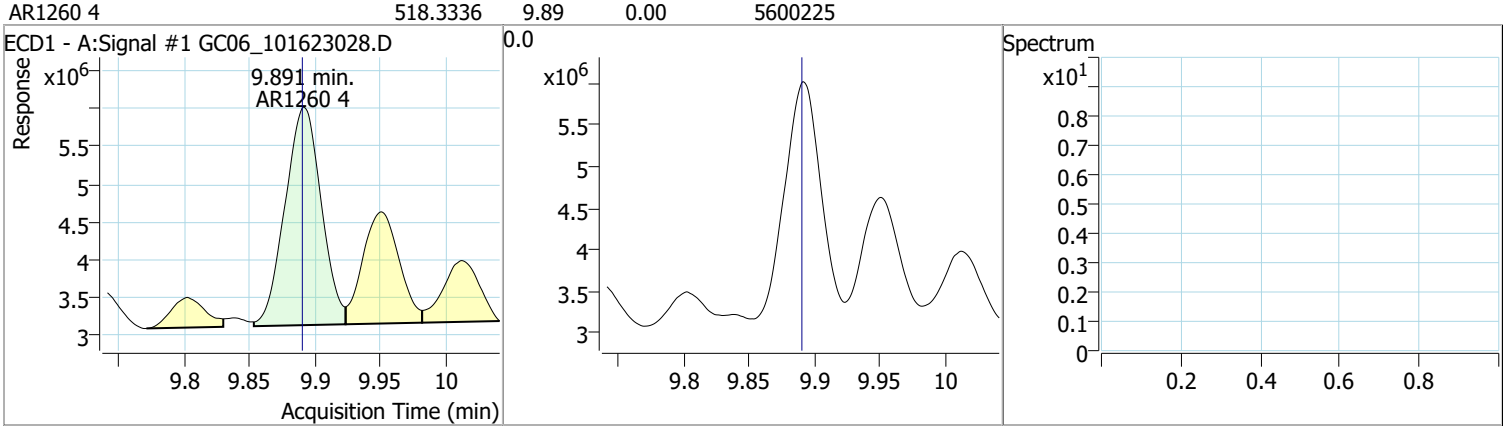

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 571.3715 | 9.60 | 0.00 | 18275953 | | | | |



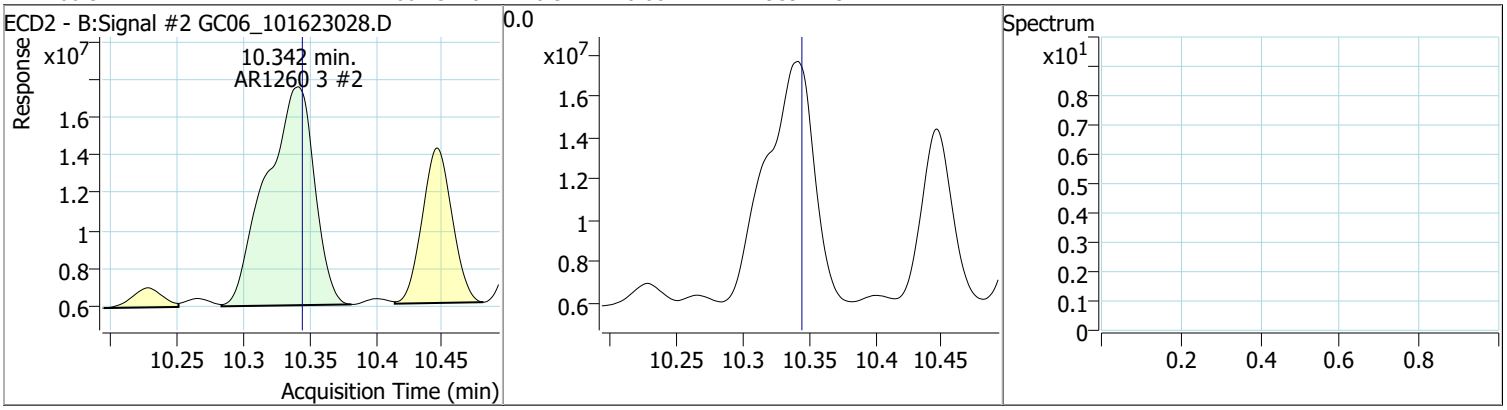
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 568.9415 | 9.89 | 0.00 | 21956176 | | | | |



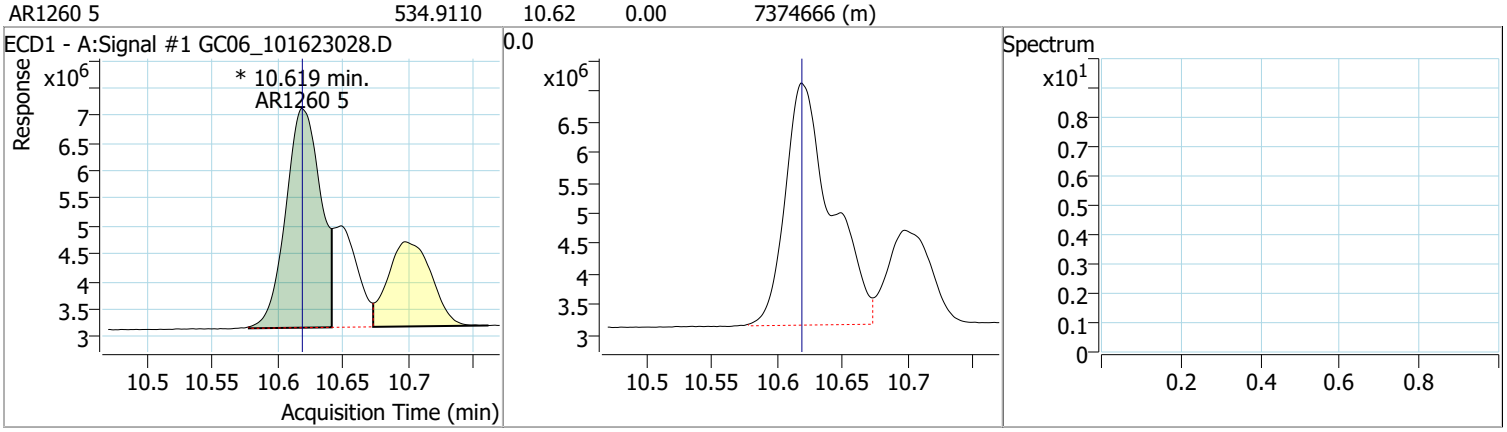

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 518.3336 | 9.89 | 0.00 | 5600225 | | | | |



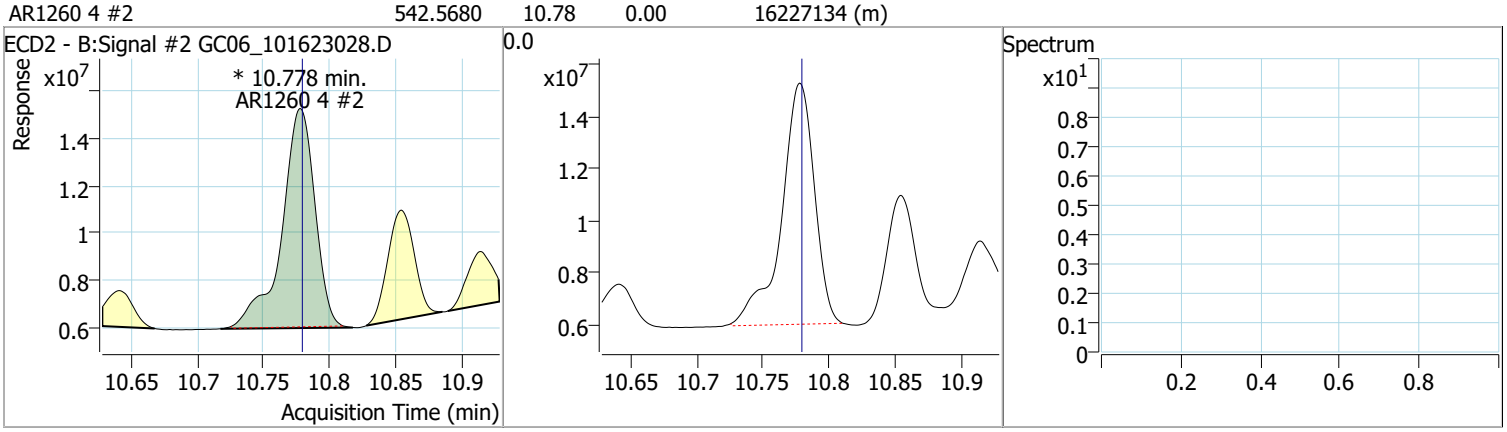

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 601.5218 | 10.34 | 0.00 | 29591419 | | | | |



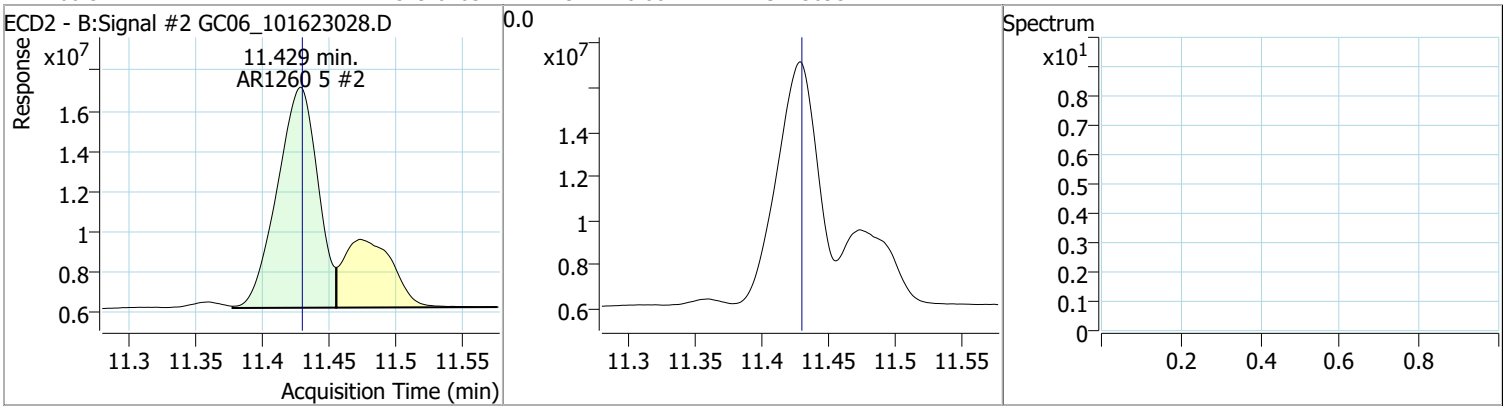

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 534.9110 | 10.62 | 0.00 | 7374666 (m) | | | | |



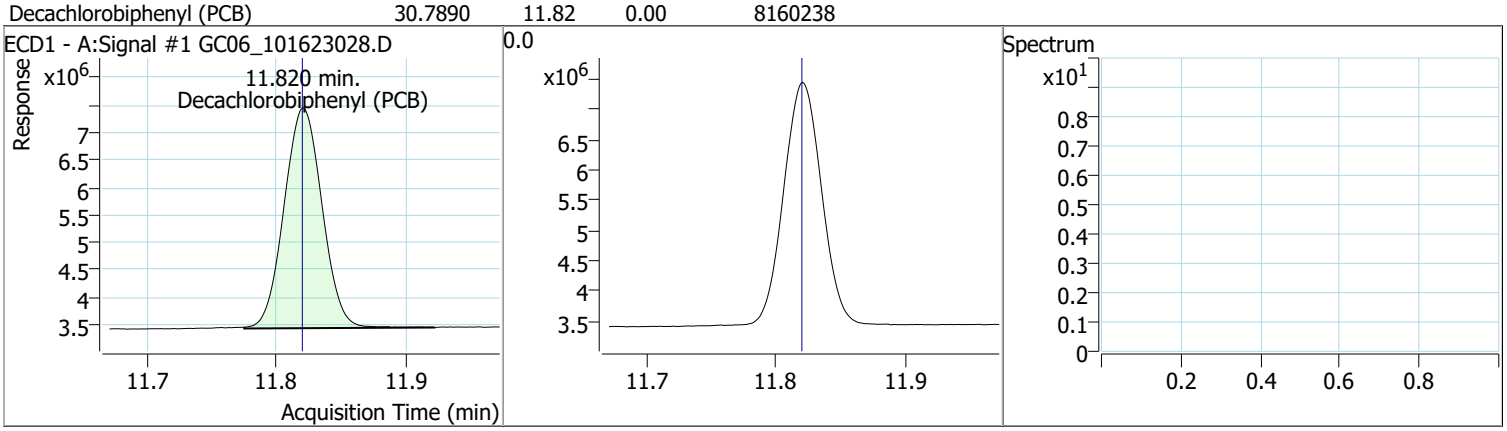
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 542.5680 | 10.78 | 0.00 | 16227134 (m) | | | | |



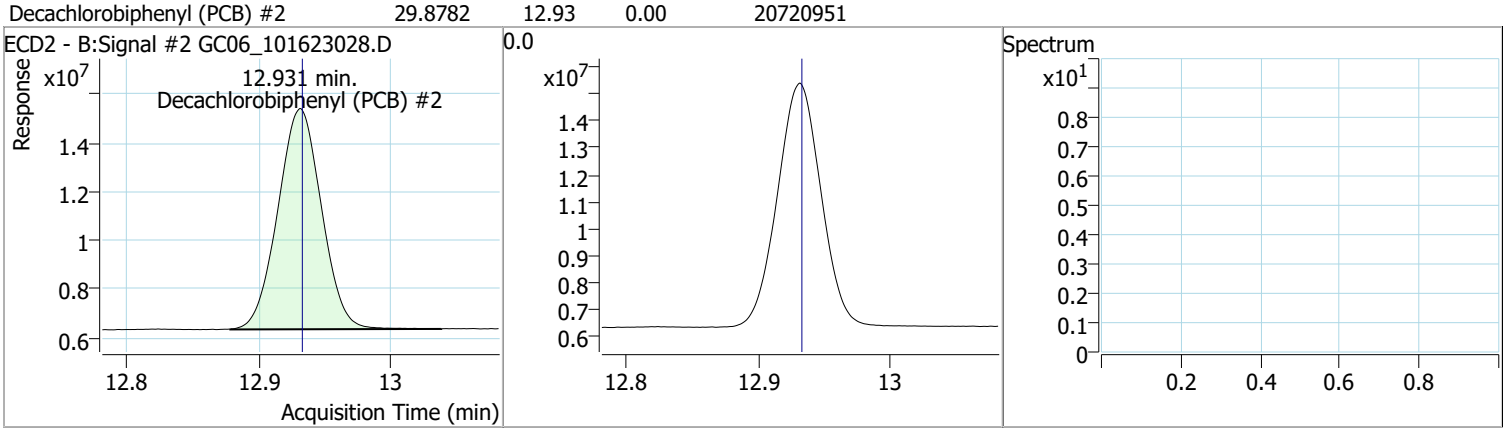

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 529.6165 | 11.43 | 0.00 | 23475695 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 30.7890 | 11.82 | 0.00 | 8160238 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 29.8782 | 12.93 | 0.00 | 20720951 | | | | |



**Continuing Calibration Verification Raw Data**

ENTHALPY CONTINUING CALIBRATION FOR 497480 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC06 | | | IDF: | 1.0 |
| Seqnum: | 453497606004 | File: | gc06_121123004 | Time: | 11-DEC-2023 14:06 |
| Cal: | 453416704002 | Caldate: | 16-OCT-2023 | | |

Standards: S19183

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | | | 500.0 | 439.3 | ug/L | -12 | 15 | 0.0000 | |
| Aroclor-1260 | A | | | 500.0 | 467.9 | ug/L | -6 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | A | 1.2758 | 1.2387 | 40.00 | 38.84 | ug/L | -3 | 15 | 0.0000 | |
| TCMX (PCB) | A | 0.9951 | 0.8349 | 40.00 | 33.56 | ug/L | **-16** | 15 | 0.0000 | c- |
| Aroclor-1016 | B | | | 500.0 | 447.9 | ug/L | -10 | 15 | 0.0000 | |
| Aroclor-1260 | B | | | 500.0 | 457.3 | ug/L | -9 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | B | 1.1481 | 0.8764 | 40.00 | 30.54 | ug/L | **-24** | 15 | 0.0000 | c- |
| TCMX (PCB) | B | 0.9401 | 0.8210 | 40.00 | 34.93 | ug/L | -13 | 15 | 0.0000 | |

| ISTD (ICAL gc06_101623019) | Ch | ICAL Abund | Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 10693236 | 9061871 | -15.26 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3667875 | 3950583 | 7.71 |

12/11/23 : 500 PPB PCB CCV

TRN 12/11/23 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

TRN 12/11/23 [Aroclor-1260 B]: Corrected baseline noise or negative peak for Ch. B.

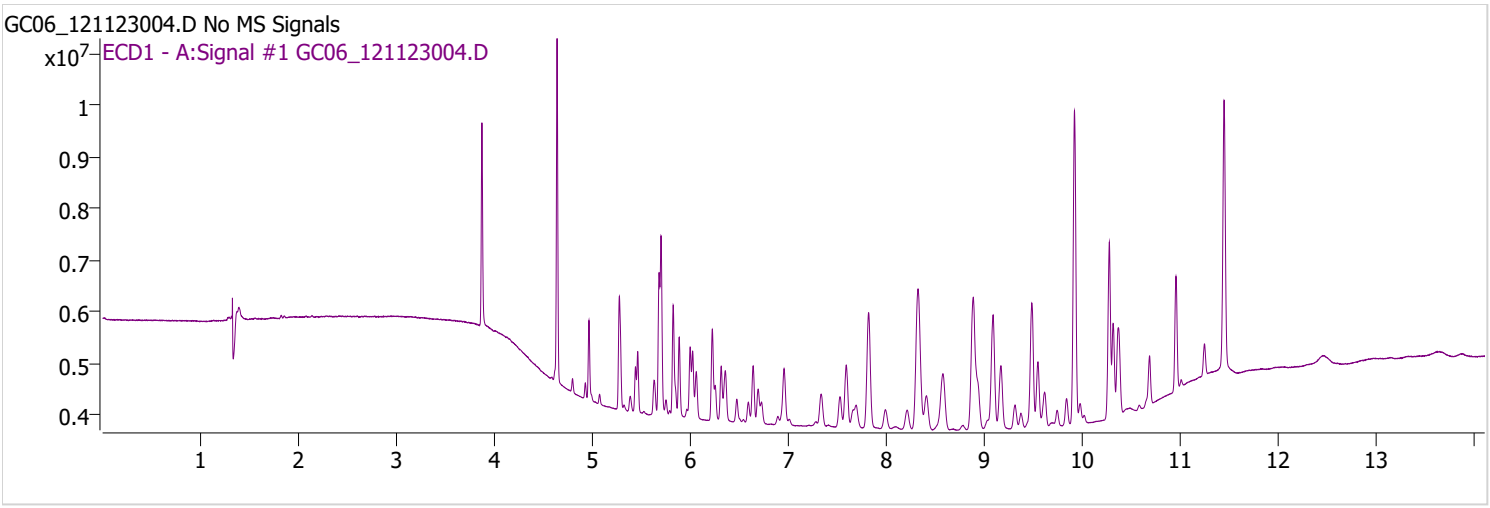
*-=low bias c=CCV*

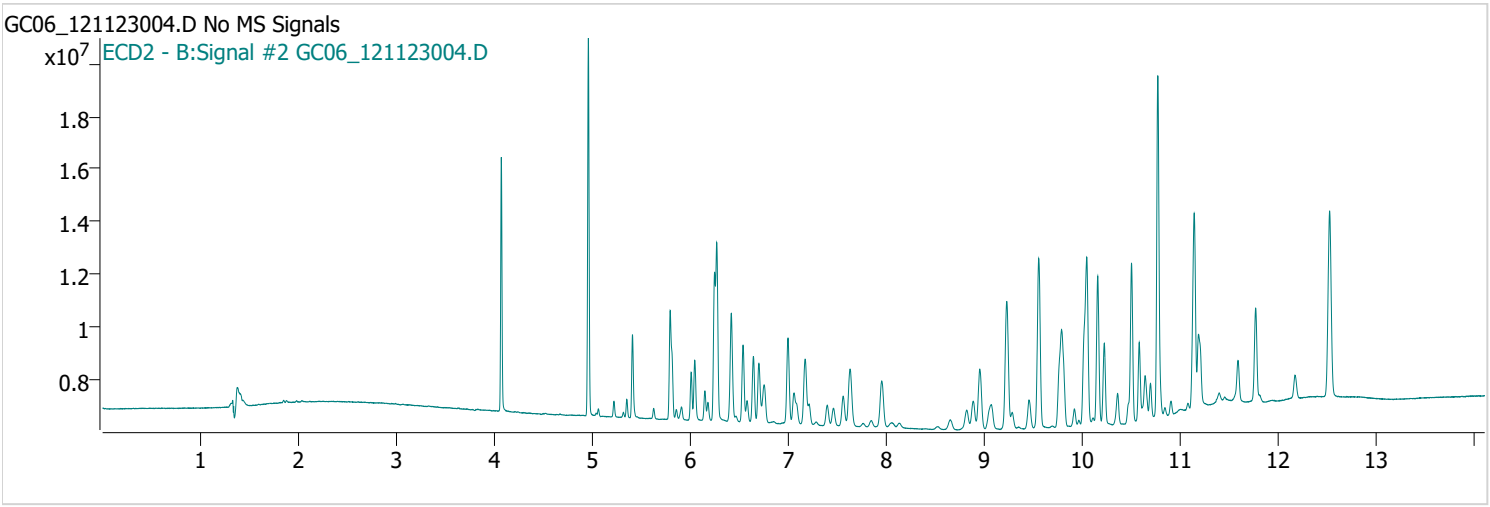
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**Analyst:** TRN 12/11/23 **Reviewer:** MTS 12/15/23

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC06_121123004.D | Operator | |
| Acq. Method | Acq_Pesticide_122221_2 | Acq. Date-Time | 12/11/2023 2:06:11 PM |
| Sample Name | CCV, S19183 | Instrument | SVOA-GC06 |
| Vial | 144 | Multiplier | 1.00 |
| DA Method File | PCB_608_101623_GC06_41.m | Comment | 500 PPB PCB CCV |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 121123PCB.batch.bin | Last Calib Update | 10/16/2023 6:22:43 PM |
| Ref Library | | | |



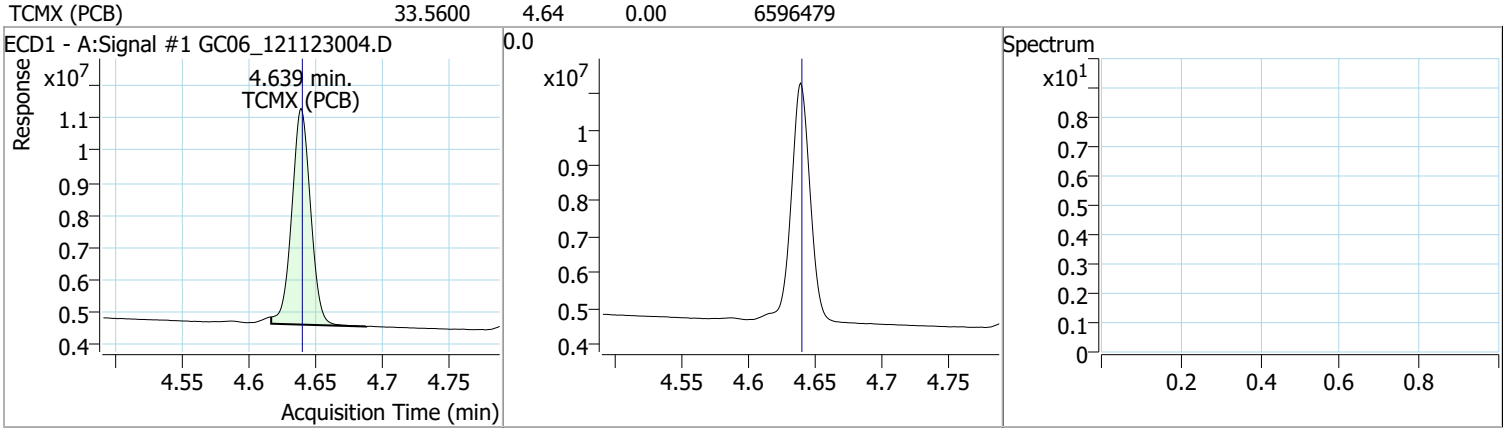




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.873 | 0.0 | 3950583.266 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 4.070 | 0.0 | 9061870.680 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.639 | 0.0 | 6596478.738 | 33.5600 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 167.80% | | * | |
| S TCMX (PCB) #2 | 4.958 | 0.0 | 14880152.622 | 34.9326 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 174.66% | | * | |
| S Decachlorobiphenyl (PCB) | 11.447 | 0.0 | 9787235.818 | 38.8364 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 194.18% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.523 | 0.0 | 15884183.347 | 30.5363 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 152.68% | | * | |
| **Target Compounds** | | | | | | | QValue |

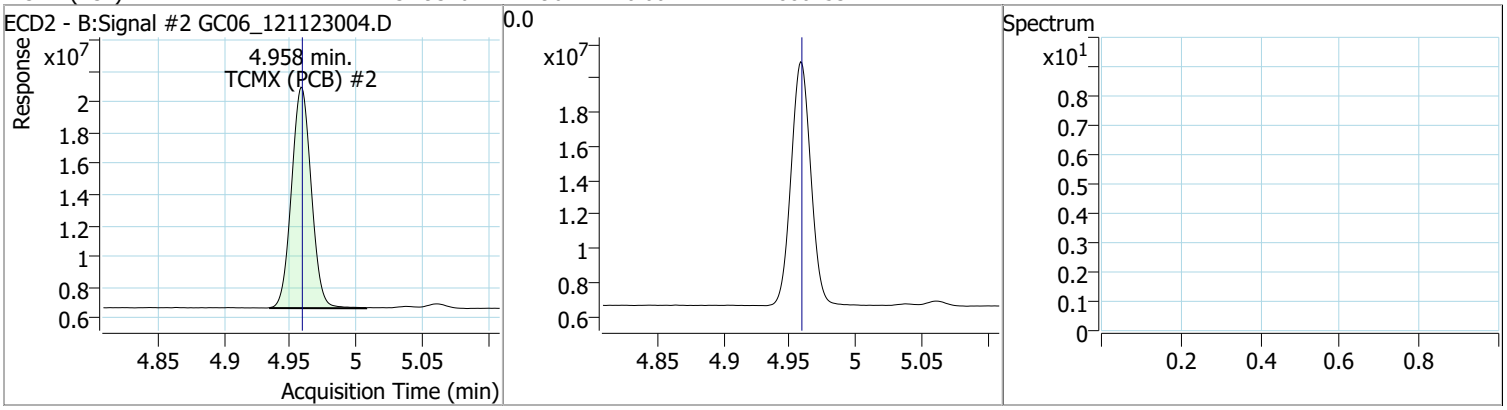
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.965 | 0.0 | 1787817.906 | 416.9560 | ng/ml | | 100 |
| T AR1016 2 | 5.275 | 0.0 | 3433945.648 | 399.0169 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.409 | 0.0 | 3895044.247 | 464.8344 | ng/ml | | 100 |
| T AR1016 3 | 5.700 | 0.0 | 4958987.634 | 476.1398 | ng/ml | m | 100 |
| T AR1016 2 #2 | 5.793 | 0.0 | 7739415.378 | 442.5770 | ng/ml | | 100 |
| T AR1016 4 | 5.824 | 0.0 | 3287680.523 | 476.9695 | ng/ml | | 100 |
| T AR1016 5 | 6.223 | 0.0 | 2652125.326 | 427.5745 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.268 | 0.0 | 10247178.457 | 440.3666 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.418 | 0.0 | 7013590.244 | 448.6652 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.997 | 0.0 | 5722211.715 | 443.0860 | ng/ml | | 100 |
| T AR1260 1 | 7.819 | 0.0 | 5501842.698 | 460.6310 | ng/ml | | 100 |
| T AR1260 2 | 8.323 | 0.0 | 8516589.032 | 457.5919 | ng/ml | | 100 |
| T AR1260 3 | 8.887 | 0.0 | 9172243.000 | 469.3215 | ng/ml | | 100 |
| T AR1260 1 #2 | 9.229 | 0.0 | 11106312.394 | 462.9295 | ng/ml | | 100 |
| T AR1260 4 | 9.484 | 0.0 | 5069913.539 | 493.5041 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.555 | 0.0 | 13158717.542 | 454.6016 | ng/ml | | 100 |
| T AR1260 3 #2 | 10.045 | 0.0 | 16824386.098 | 455.9647 | ng/ml | | 100 |
| T AR1260 5 | 10.276 | 0.0 | 6008677.159 | 458.3574 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.503 | 0.0 | 10581992.300 | 471.7221 | ng/ml | m | 100 |
| T AR1260 5 #2 | 11.142 | 0.0 | 14678610.769 | 441.5038 | ng/ml | | 100 |

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

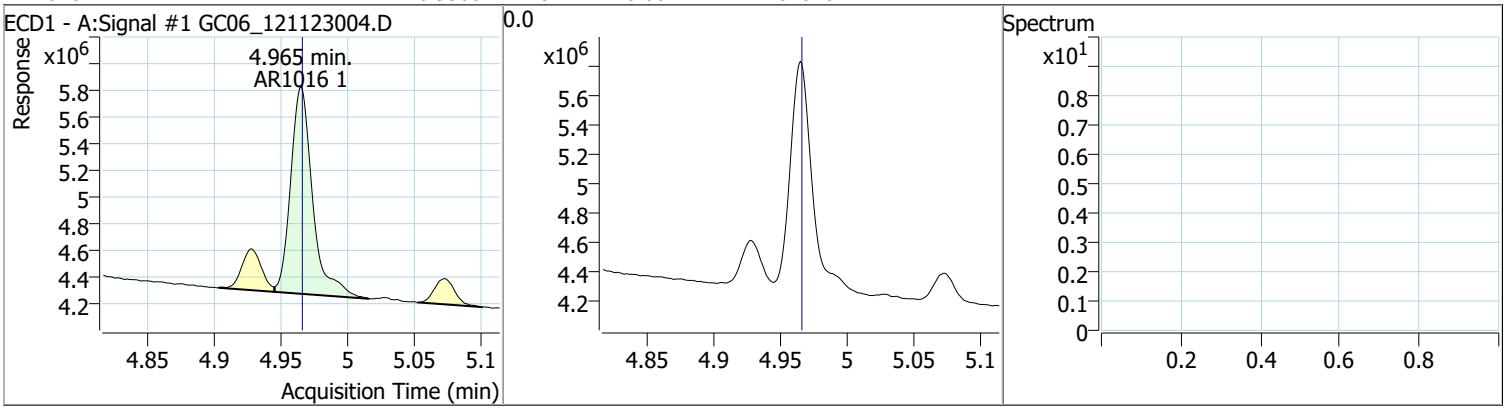
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 33.5600 | 4.64 | 0.00 | 6596479 | | | | |



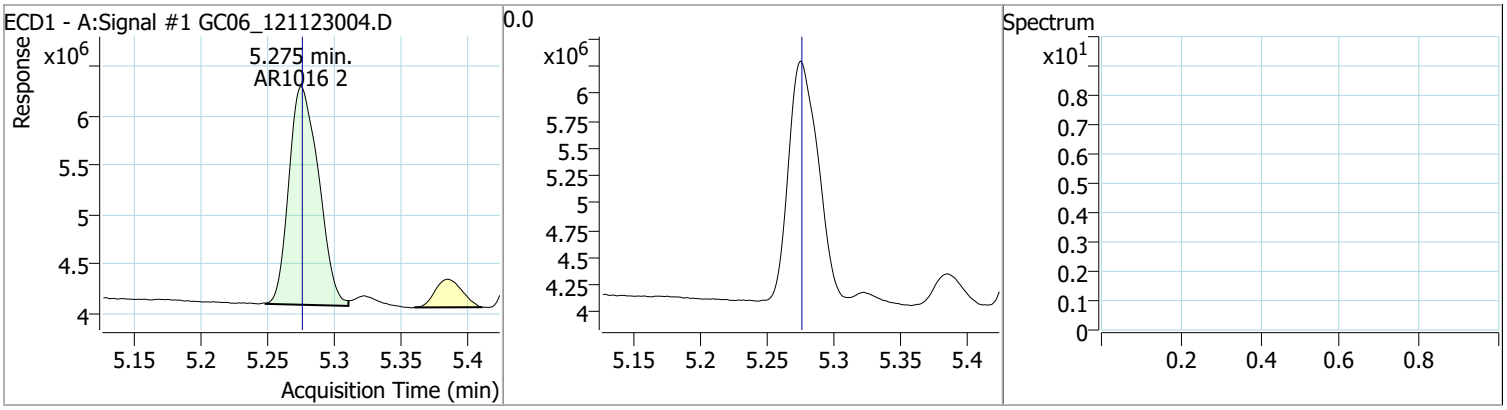

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 34.9326 | 4.96 | 0.00 | 14880153 | | | | |



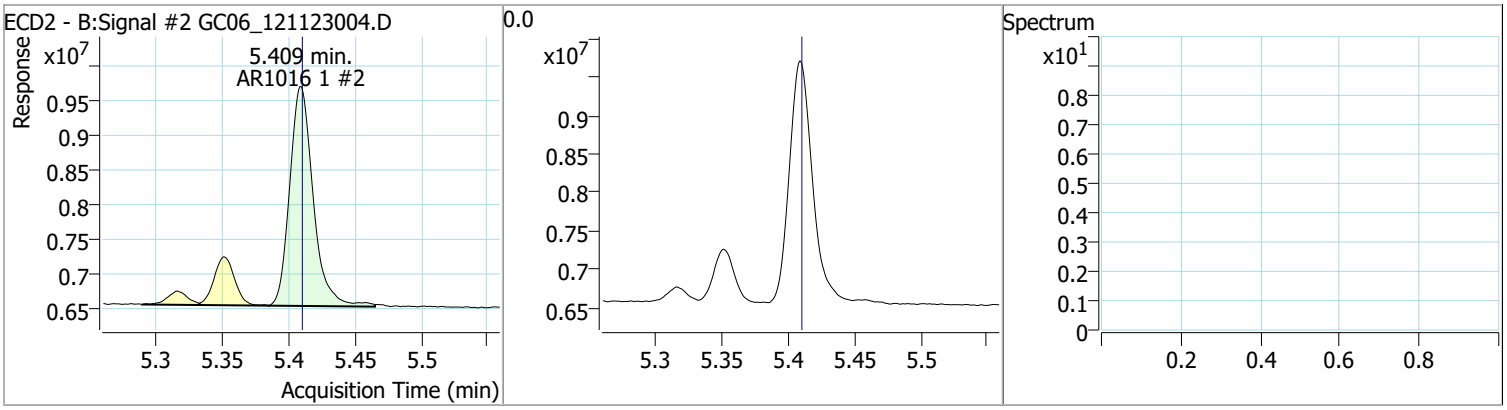

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 416.9560 | 4.97 | 0.00 | 1787818 | | | | |



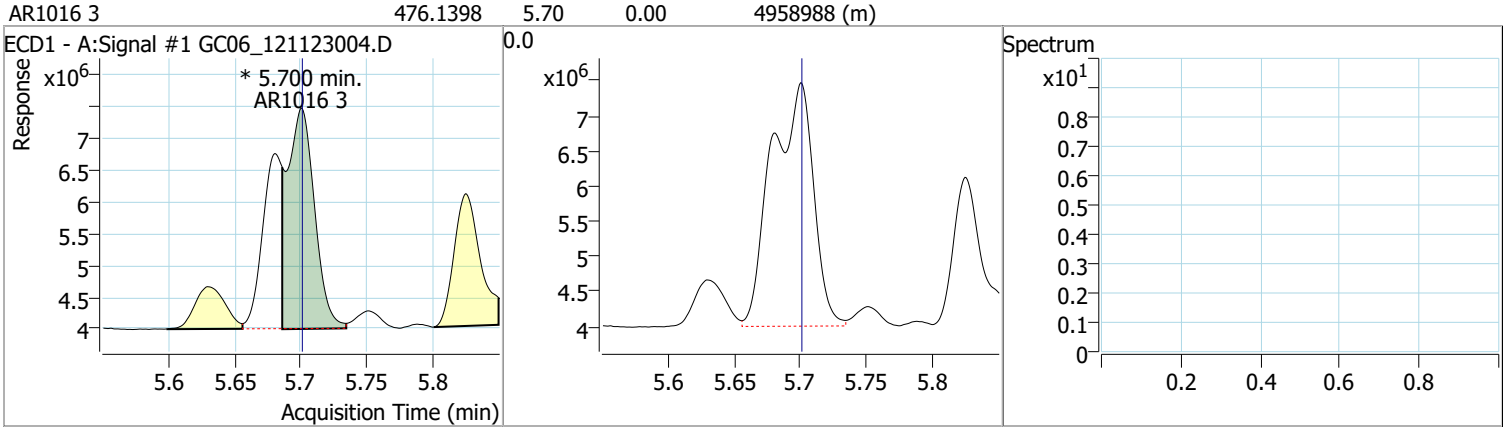

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 399.0169 | 5.28 | 0.00 | 3433946 | | | | |



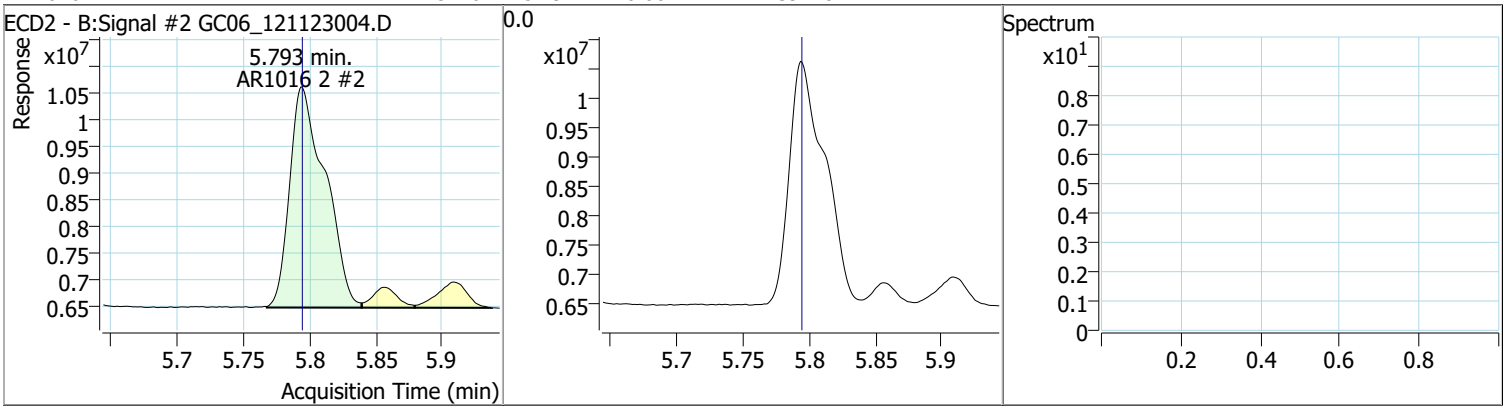
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 464.8344 | 5.41 | 0.00 | 3895044 | | | | |



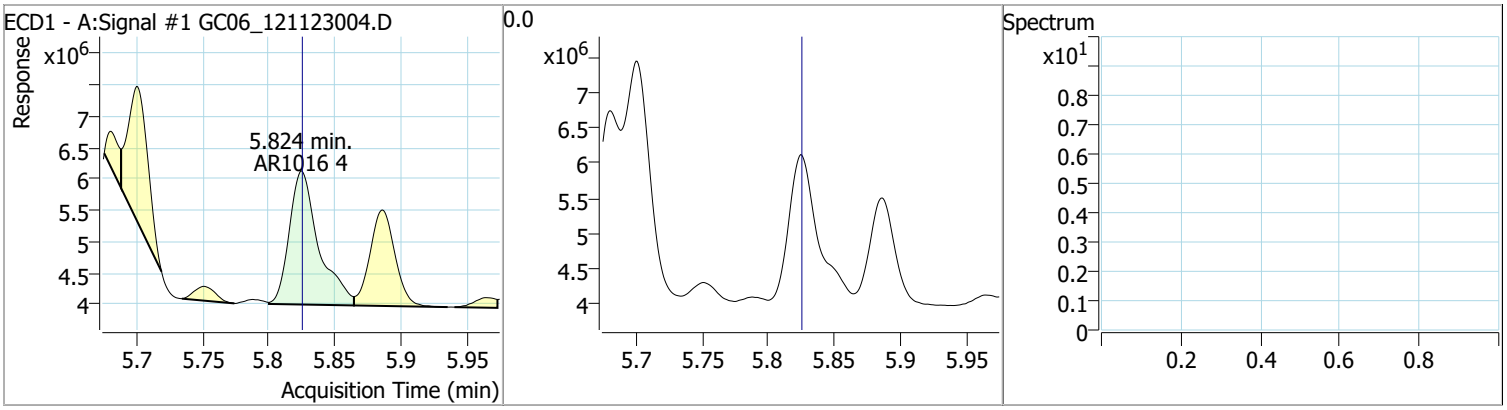

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 476.1398 | 5.70 | 0.00 | 4958988 (m) | | | | |



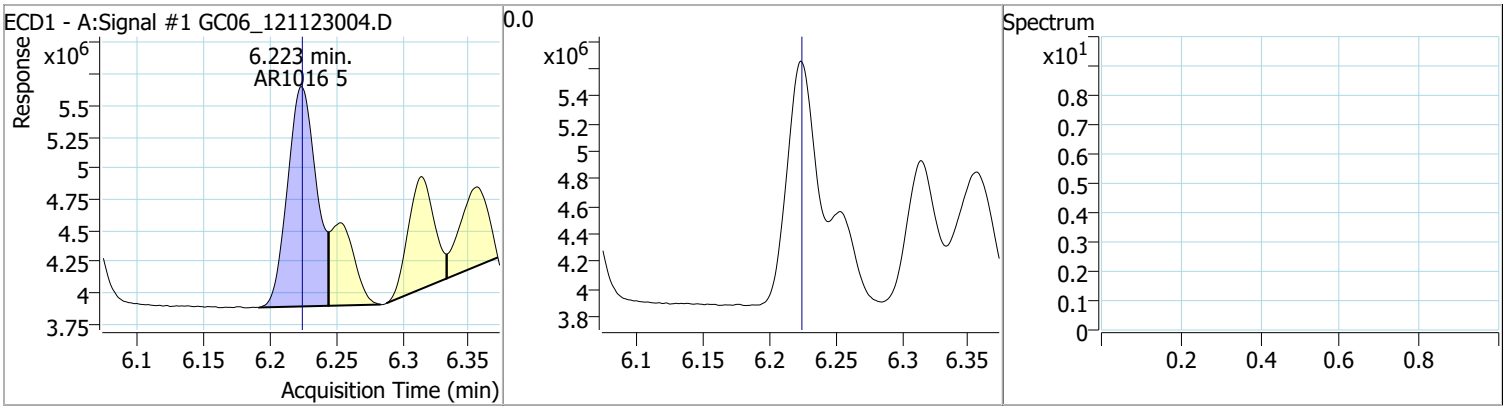

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 442.5770 | 5.79 | 0.00 | 7739415 | | | | |



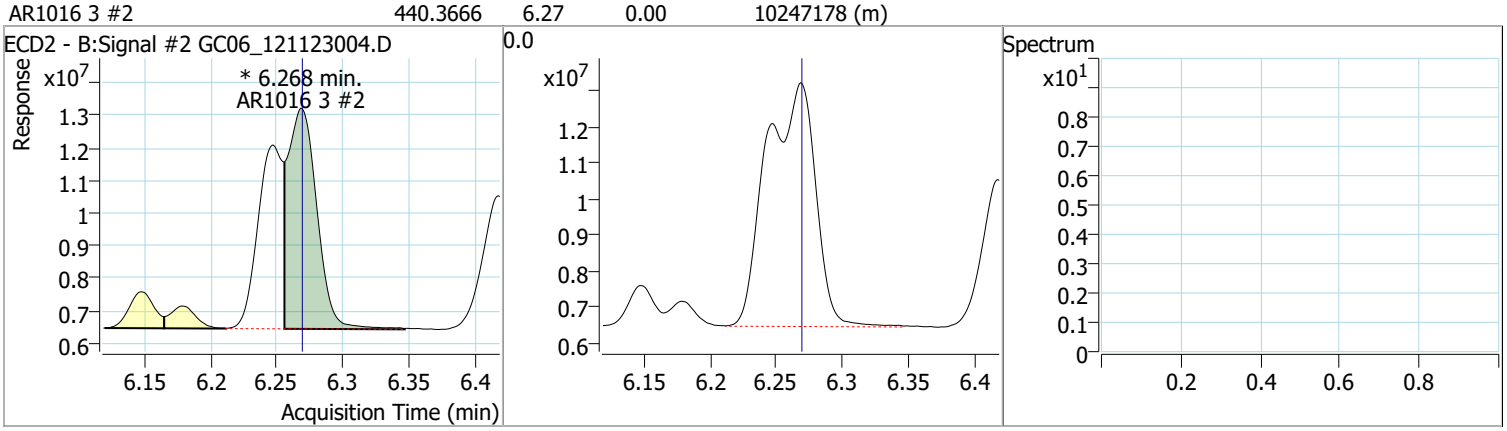

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 476.9695 | 5.82 | 0.00 | 3287681 | | | | |



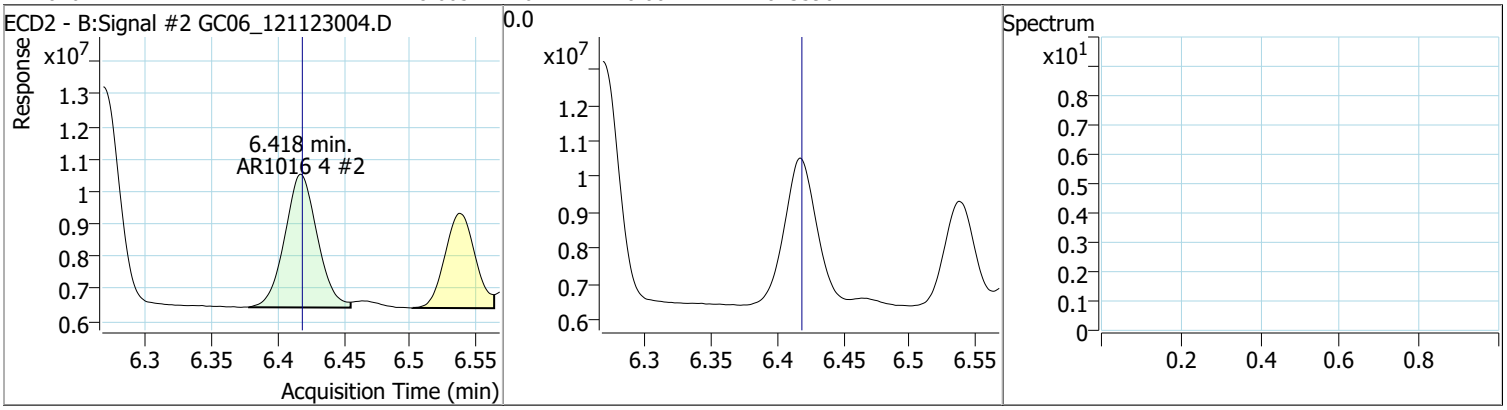
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 427.5745 | 6.22 | 0.00 | 2652125 | | | | |



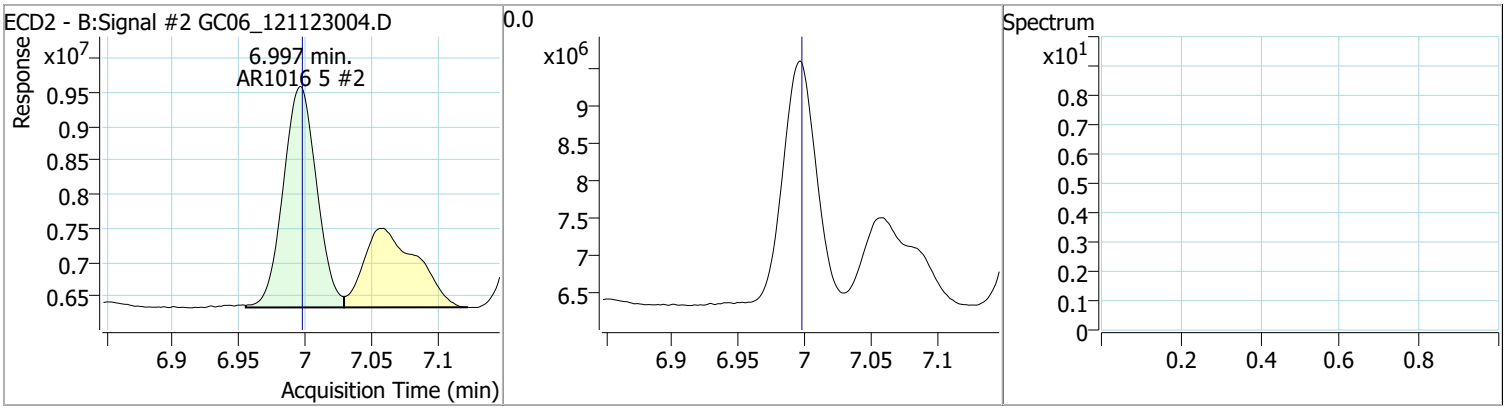

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 440.3666 | 6.27 | 0.00 | 10247178 (m) | | | | |



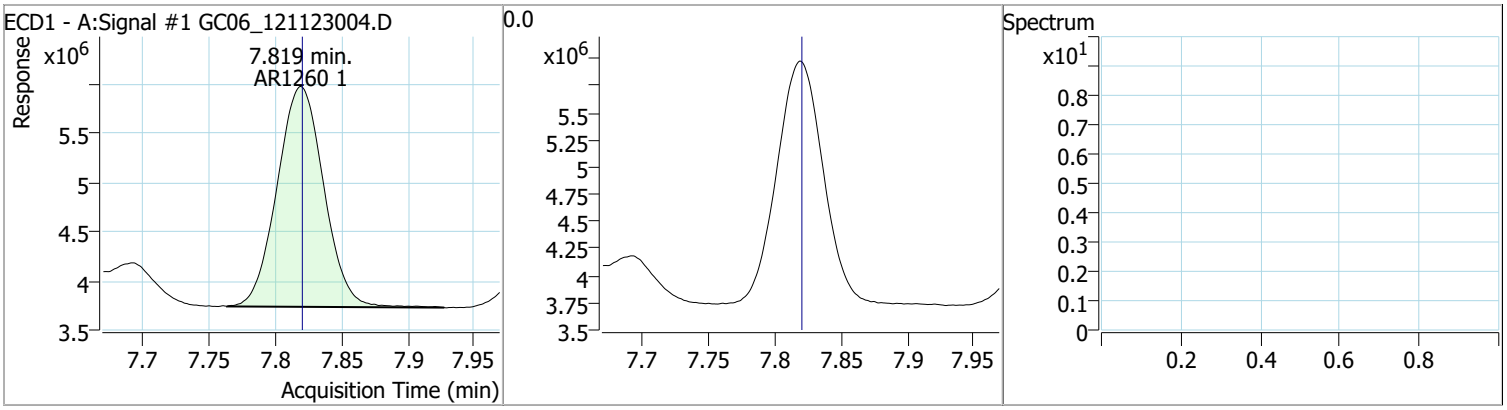

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 448.6652 | 6.42 | 0.00 | 7013590 | | | | |



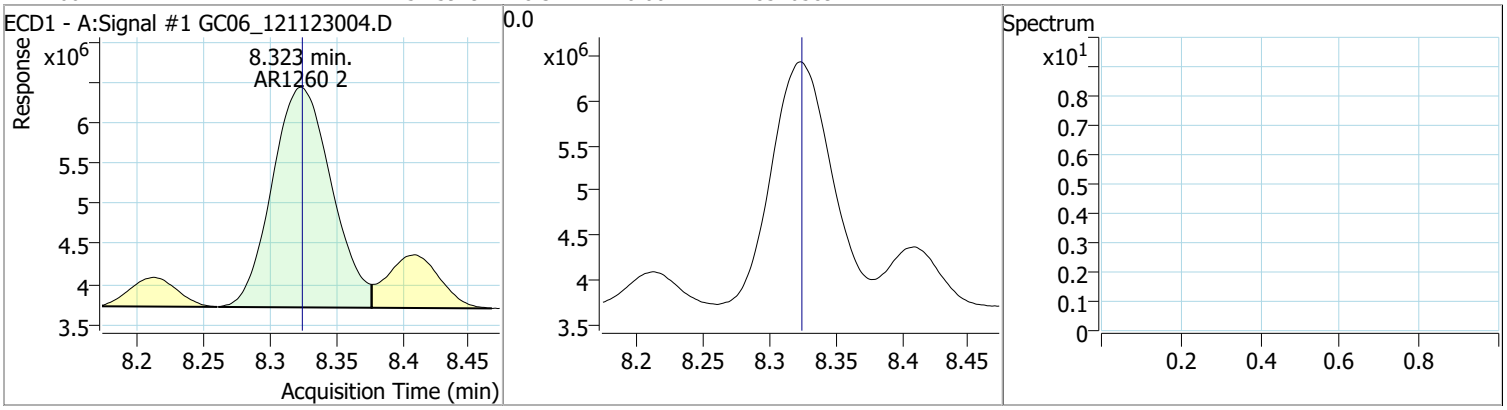

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 443.0860 | 7.00 | 0.00 | 5722212 | | | | |



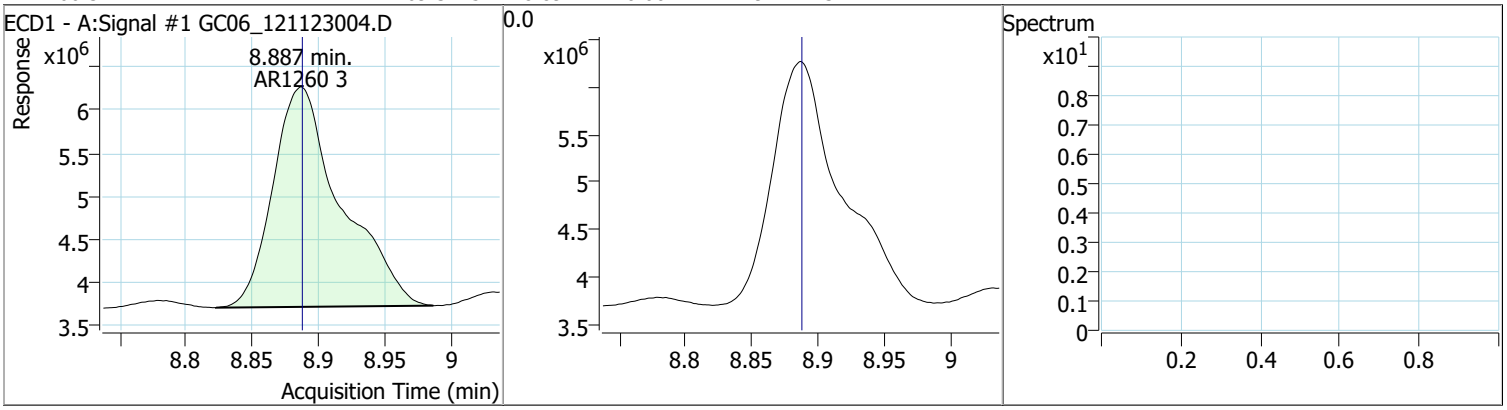
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 460.6310 | 7.82 | 0.00 | 5501843 | | | | |



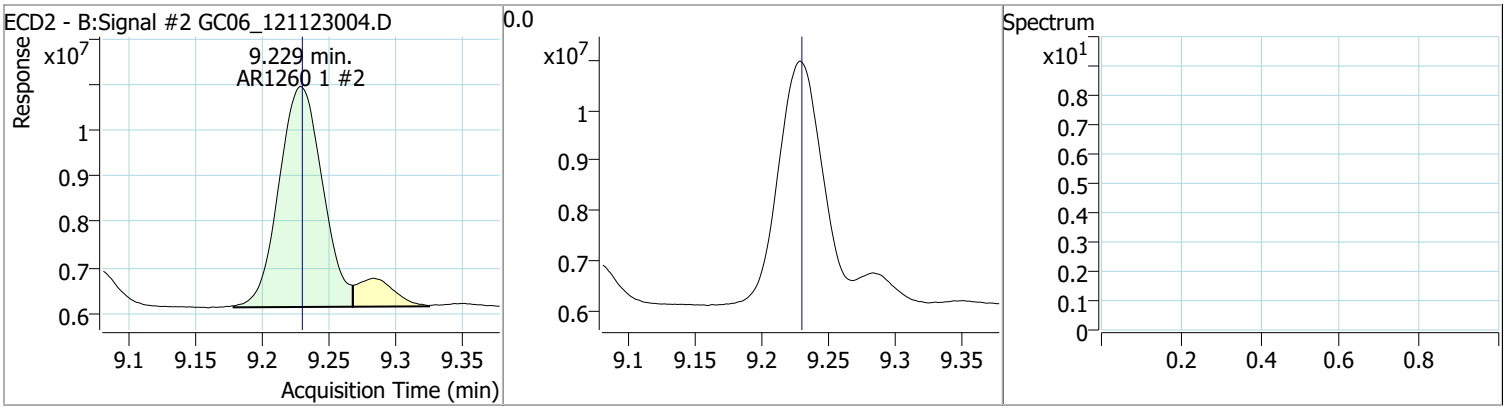

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 457.5919 | 8.32 | 0.00 | 8516589 | | | | |



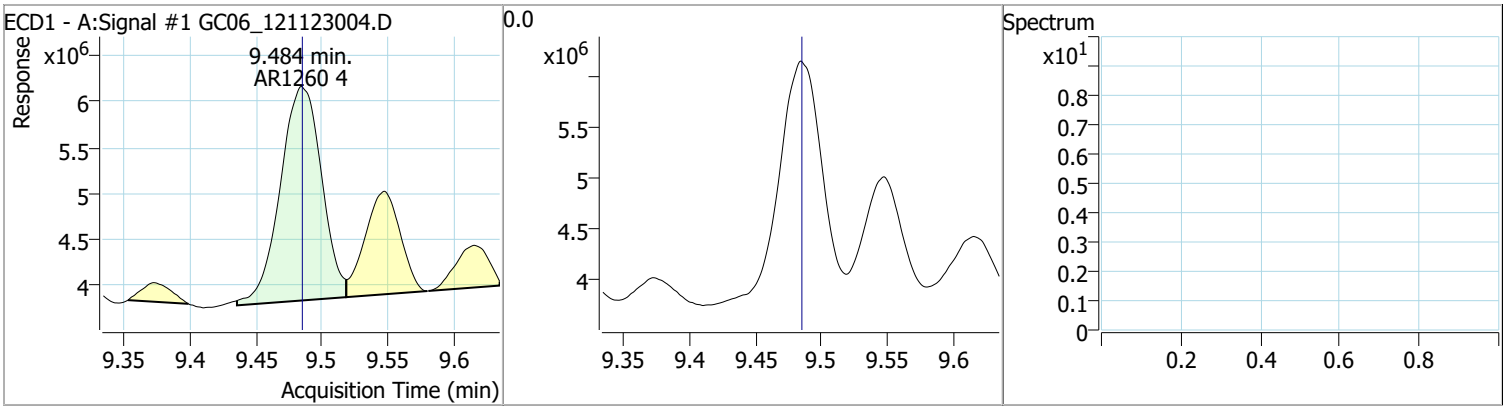

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 469.3215 | 8.89 | 0.00 | 9172243 | | | | |



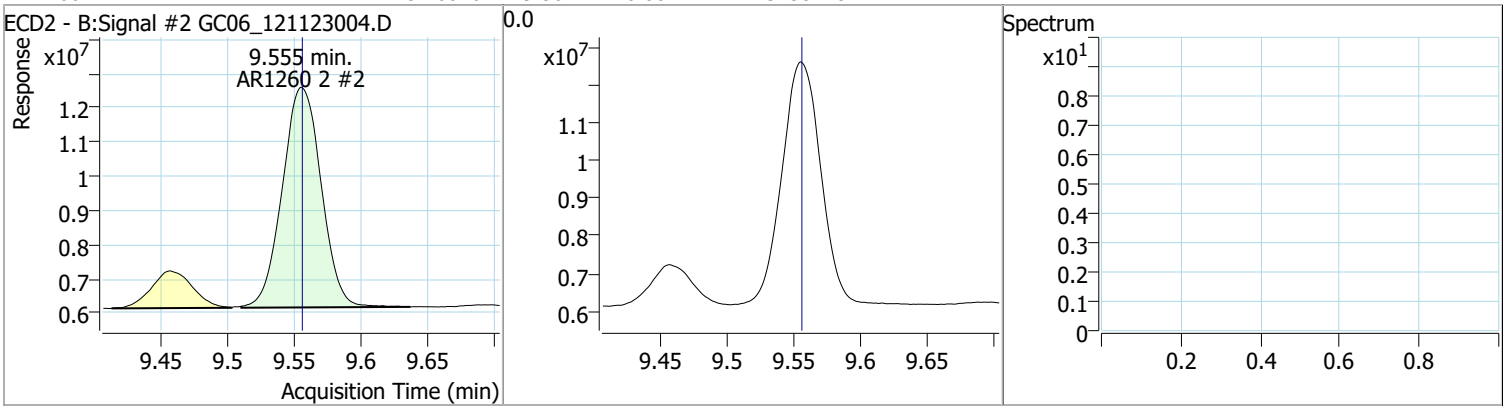

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 462.9295 | 9.23 | 0.00 | 11106312 | | | | |



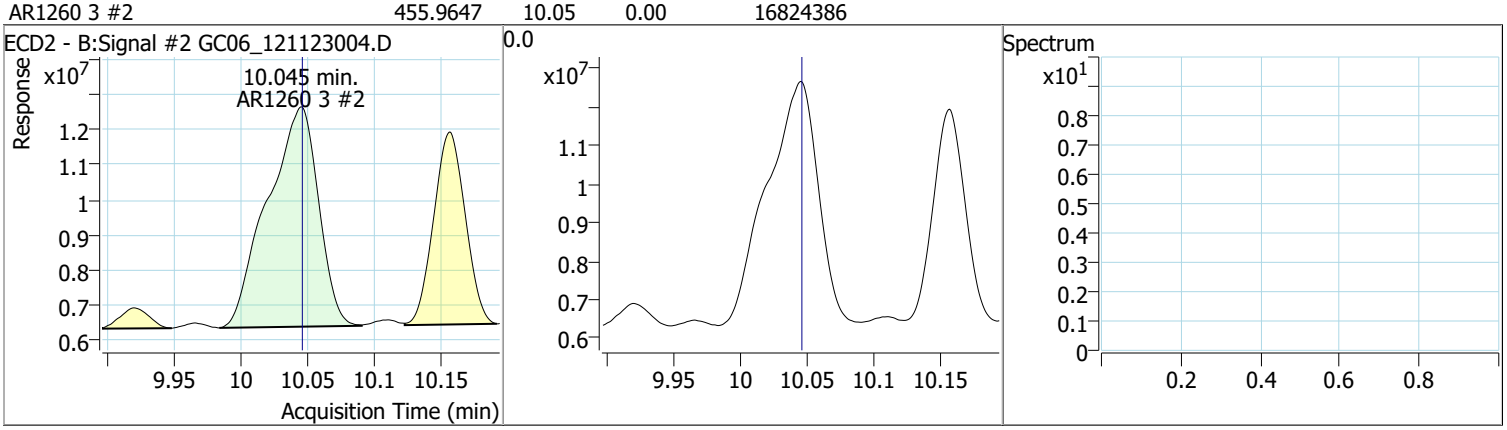
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 493.5041 | 9.48 | 0.00 | 5069914 | | | | |



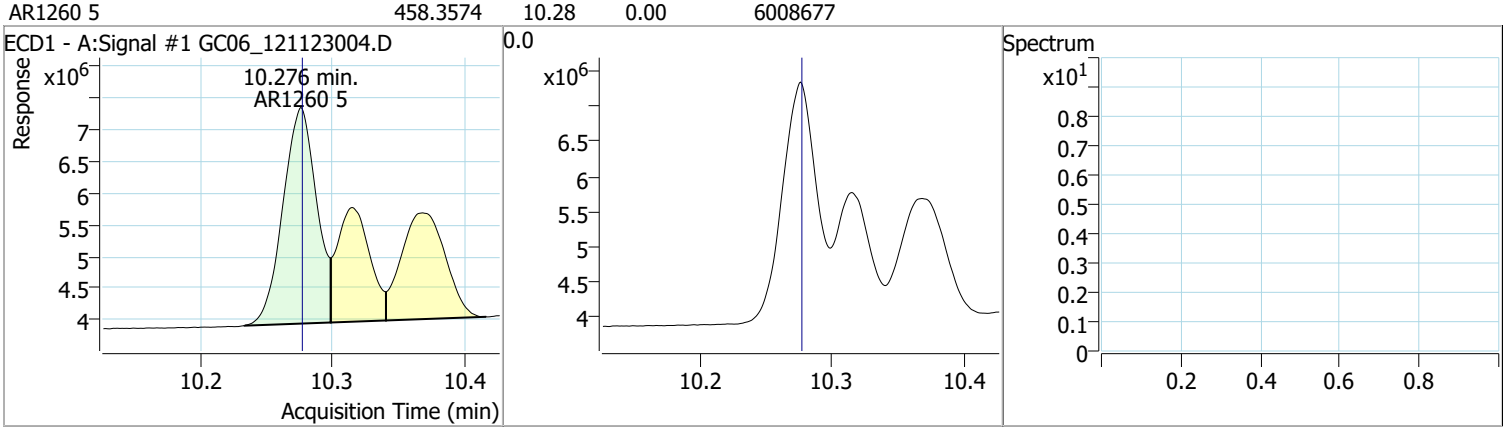

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 454.6016 | 9.56 | 0.00 | 13158718 | | | | |



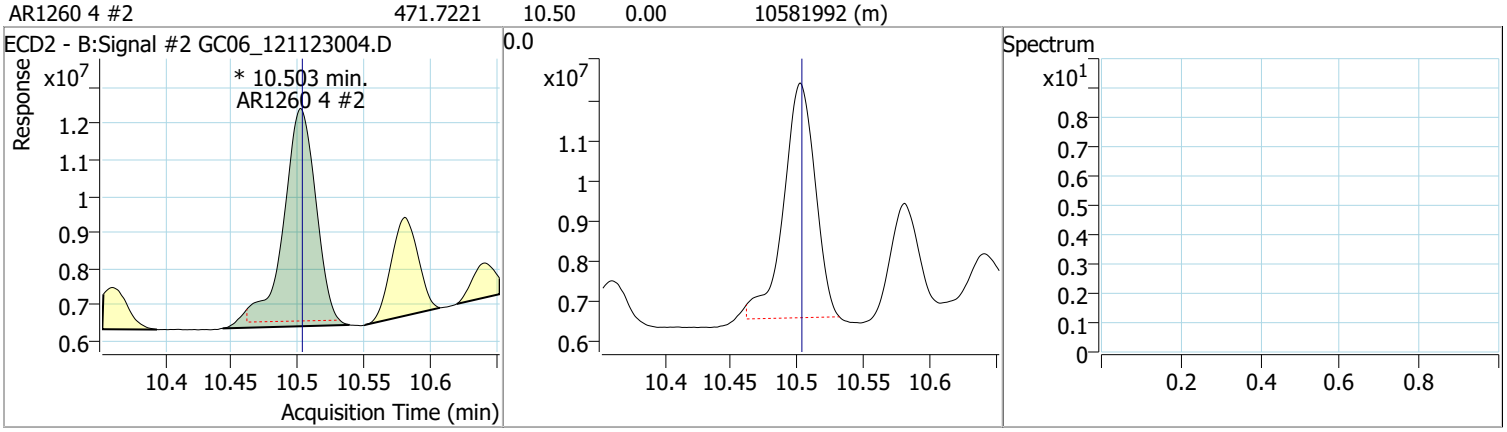

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 455.9647 | 10.05 | 0.00 | 16824386 | | | | |



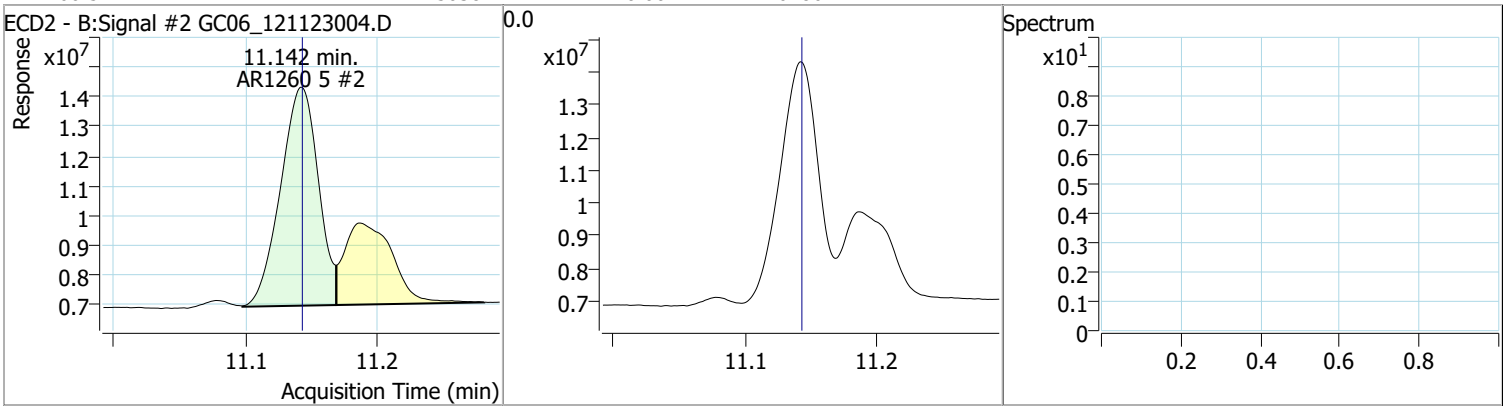

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 458.3574 | 10.28 | 0.00 | 6008677 | | | | |



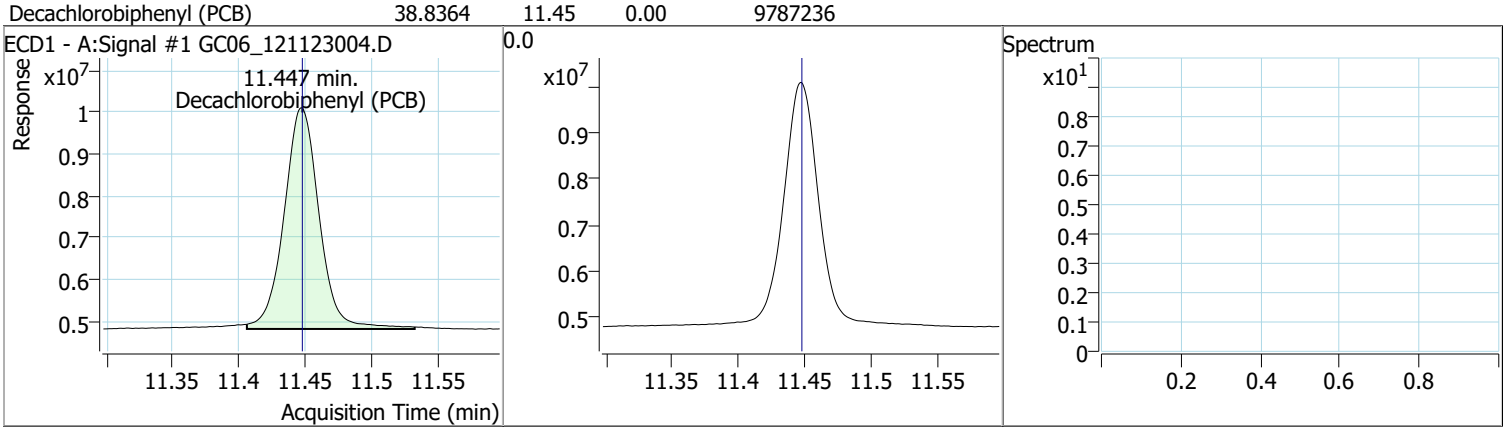
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 471.7221 | 10.50 | 0.00 | 10581992 (m) | | | | |



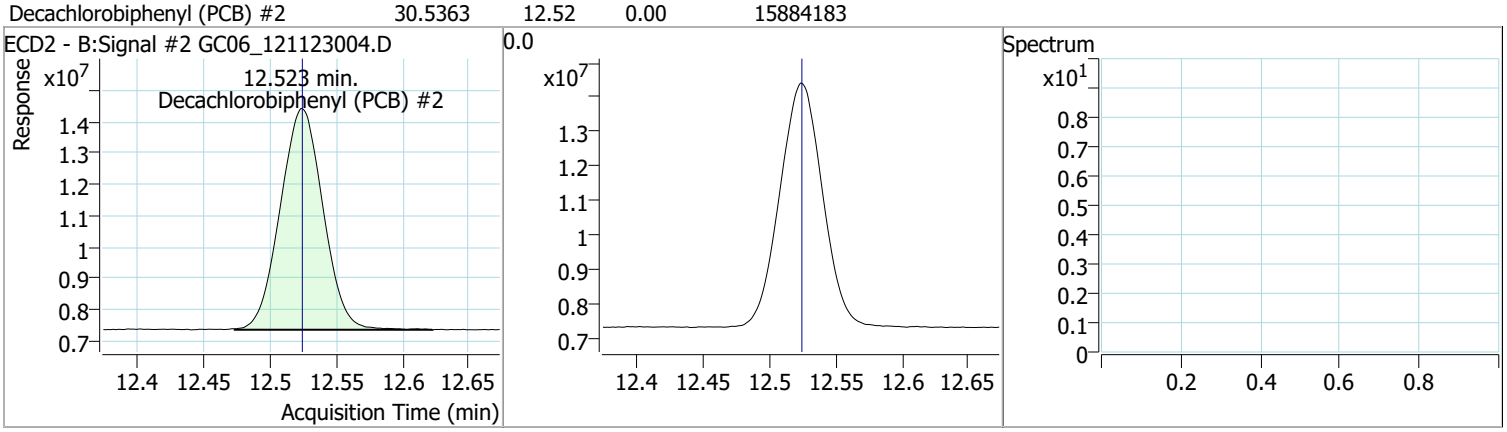

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 441.5038 | 11.14 | 0.00 | 14678611 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 38.8364 | 11.45 | 0.00 | 9787236 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 30.5363 | 12.52 | 0.00 | 15884183 | | | | |



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

enthalpy.com

Lab Job Number : 497480
Report Level : IV
Report Date : 03/22/2024

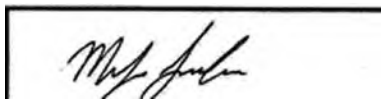
**Metals**

**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:*



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

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

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

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 497480 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 12/08/23 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-L-LA | 497480-003 | 12/08/23 07:25 | Wipe |
| AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-L-LA | 497480-005 | 12/08/23 07:36 | Wipe |
| AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-L-LA | 497480-007 | 12/08/23 07:45 | Wipe |
| AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-L-WF | 497480-009 | 12/08/23 07:50 | Wipe |
| AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-LA | 497480-011 | 12/08/23 08:10 | Wipe |
| AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-DUP-LA | 497480-012 | 12/08/23 08:10 | Wipe |
| AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-L-LA | 497480-014 | 12/08/23 08:00 | Wipe |
| AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-WF | 497480-016 | 12/08/23 08:25 | Wipe |
| AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-DUP-WF | 497480-017 | 12/08/23 08:25 | Wipe |
| AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-L-LA | 497480-019 | 12/08/23 08:40 | Wipe |
| AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-L-LA | 497480-021 | 12/08/23 08:32 | Wipe |
| AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-L-LA | 497480-023 | 12/08/23 08:50 | Wipe |

# Case Narrative
## METALS (EPA 6010B)

| | |
|---|---|
| Rincon Consultants<br>449 15th Street<br>#303<br>Oakland, CA 94612<br>Austin Moore | Lab Job Number: 497480<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 12/08/23 |

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 12/11/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Chain of Custody**

497480

# ENTHALPY ANALYTICAL

## Chain of Custody Record

COC ID:

Page: 1 of 2

**Turn Around Time (rush by advanced notice only)**

| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD |
|---|---|---|---|---|---|---|---|---|---|
| 1 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-LA | 12/8/2023 | 0725 | WP | 1 | -- | X | | |
| 2 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-DUP-LA | 12/8/2023 | 0725 | WP | 1 | -- | X | | |
| 3 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-L-LA | 12/8/2023 | 0725 | WP | 1 | -- | | X | |
| 4 | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-P-LA | 12/8/2023 | 0736 | WP | 1 | -- | X | | |
| 5 | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-L-LA | 12/8/2023 | 0736 | WP | 1 | -- | | X | |
| 6 | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-P-LA | 12/8/2023 | 0745 | WP | 1 | -- | X | | |
| 7 | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-L-LA | 12/8/2023 | 0745 | WP | 1 | -- | | X | |
| 8 | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-P-WF | 12/8/2023 | 0750 | WP | 1 | -- | X | | |
| 9 | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-L-WF | 12/8/2023 | 0750 | WP | 1 | -- | | X | |
| 10 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-P-LA | 12/8/2023 | 0810 | WP | 1 | -- | X | | |
| 11 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-LA | 12/8/2023 | 0810 | WP | 1 | -- | | X | |
| 12 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-DUP-LA | 12/8/2023 | 0810 | WP | 1 | -- | | X | |
| 13 | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-P-LA | 12/8/2023 | 0800 | WP | 1 | -- | X | | |
| 14 | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-L-LA | 12/8/2023 | 0800 | WP | 1 | -- | | X | |
| 15 | AFRAME-C13E-LAT-L3-EXT-0 TO 1-231208-P-WF | 12/8/2023 | 0825 | WP | 1 | -- | X | | |

Analysis Request

Test Instructions / Comments

**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure A/B (High Occupancy)

MED

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 12/8/23 1340 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 12/8/23 13:40 |
| 2 Relinquished By: | Audrey Hudson | " | " | 12/8/23 15:54 |
| 2 Received By: | | | AO | 12/8/23 15:54 |
| 3 Relinquished By: | | | FedEx | 12/8/23 16:57 |
| 3 Received By: | | | | 121923 0920 |

497480

# ENTHALPY ANALYTICAL

## Chain of Custody Record

COC ID:

Page: 2 of 2

**Turn Around Time (rush by advanced notice only)**

| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | AFRAME-C13E-LAT-L3-EXT-0 TO 1-231208-L-WF | 12/8/2023 | 0825 | WP | 1 | -- | | X | | |
| 17 | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-DUP-WF | 12/8/2023 | 0825 | WP | 1 | -- | | X | | |
| 18 | AFRAME-C12E-MED-L3-UP-C12.6-HS-231208-P-LA | 12/8/2023 | 0840 | WP | 1 | -- | X | | | |
| 19 | AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-L-LA | 12/8/2023 | 0840 | WP | 1 | -- | | X | | |
| 20 | AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-P-LA | 12/8/2023 | 0837 | WP | 1 | -- | X | | | |
| 21 | ~~AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-L-LA~~ | ~~12/8/2023~~ | 0832 | WP | 1 | -- | | X | | |
| 22 | ~~AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-P-LA~~ | ~~12/8/2023~~ | 0850 | WP | 1 | -- | X | | | |
| 23 | AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-L-LA | 12/8/2023 | 0850 | WP | 1 | -- | | X | | |
| 24 | 231208-P-FIELDBLANK1-HO | 12/8/2023 | 0720 | WP | 1 | -- | X | | | |
| 25 | | | | | | | | | | |
| 26 | | | | | | | | | | |
| 27 | | | | | | | | | | |
| 28 | | | | | | | | | | |
| 29 | | | | | | | | | | |
| 30 | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure A/B (High Occupancy)

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 12/8/23 1340 |
| 1 Received By: | Audrey Hudson | Audrey Hudson | Enthalpy | 12/8/23 13:40 |
| 2 Relinquished By: | Audrey Hudson | " | " | 12/8/23 15:54 |
| 2 Received By: | | | | 12/8/23 15:54 |
| 3 Relinquished By: | | | | 12/8/23 16:59 |
| 3 Received By: | | | | 12/9/23 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

ENTHALPY ANALYTICAL

**Section 1: General Info**

Date Received: 12/8/23 Login # 497480 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 12/8/23 By (print) M (sign) M

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

**Section 6: Explanations / Comments**

**Date Logged** 12/8/23 **By (print)** M **(sign)** _____

**Date Labeled** 12/8/23 **By (print)** M **(sign)** _____

Enthalpy Analytical - Berkeley Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants  Project: Hangar 1 NTCRA

Date Received: 12/9/23  Sampler's Name Present: ☑ Yes ☐ No

**Section 2**

Sample(s) received in a cooler? ☑ Yes, How many? 1  ☐ No (skip section 2)  Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

**Section 3**

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

Cooler Temp (°C): #1: (-)7 #2: _____ #3: _____ #4: _____

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

**Section 5** Explanations/Comments

497480

**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: DEC 09 2023

SOUTHWEST AIRLINES

Printed on:
08 DEC 19:04

526 OAK 9662 5093

ONT

1-7/5.0

PC# 10 OF 11 | DG G | LOT WT 450 LB (204.1 KG)

OAK WN 3122 08 DEC 21:00

STN FLT DATE ETD LOT 01

PC ID: 0010
PC WT: 41LB

526 96625093 0010

S

**Results & QC Summary**

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497480 **Project#:** 20-10491

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

| | | | |
|---|---|---|---|
| **Field ID:** AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-L-LA | **Batch#:** 328089 | **Prep:** EPA 3050B |
| **Type:** SAMPLE | **Sampled:** 12/08/23 | **Analysis:** EPA 6010B |
| **Lab ID:** 497480-003 | **Received:** 12/08/23 | **Analyst:** SBW |
| **Matrix:** Wipe | **Prepared:** 12/10/23 | |
| **Diln Fac:** 1.000 | **Analyzed:** 12/11/23 | |

| 497480-003 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **20** | 0.50 | ug/ft2 |

| | | | |
|---|---|---|---|
| **Field ID:** AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-L-LA | **Batch#:** 328089 | **Prep:** EPA 3050B |
| **Type:** SAMPLE | **Sampled:** 12/08/23 | **Analysis:** EPA 6010B |
| **Lab ID:** 497480-005 | **Received:** 12/08/23 | **Analyst:** SBW |
| **Matrix:** Wipe | **Prepared:** 12/10/23 | |
| **Diln Fac:** 1.000 | **Analyzed:** 12/11/23 | |

| 497480-005 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **16** | 0.50 | ug/ft2 |

| | | | |
|---|---|---|---|
| **Field ID:** AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-L-LA | **Batch#:** 328089 | **Prep:** EPA 3050B |
| **Type:** SAMPLE | **Sampled:** 12/08/23 | **Analysis:** EPA 6010B |
| **Lab ID:** 497480-007 | **Received:** 12/08/23 | **Analyst:** SBW |
| **Matrix:** Wipe | **Prepared:** 12/10/23 | |
| **Diln Fac:** 1.000 | **Analyzed:** 12/11/23 | |

| 497480-007 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **17** | 0.50 | ug/ft2 |

| | | | |
|---|---|---|---|
| **Field ID:** AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-L-WF | **Batch#:** 328089 | **Prep:** EPA 3050B |
| **Type:** SAMPLE | **Sampled:** 12/08/23 | **Analysis:** EPA 6010B |
| **Lab ID:** 497480-009 | **Received:** 12/08/23 | **Analyst:** SBW |
| **Matrix:** Wipe | **Prepared:** 12/10/23 | |
| **Diln Fac:** 1.000 | **Analyzed:** 12/11/23 | |

| 497480-009 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **78** | 0.50 | ug/ft2 |

| | | | |
|---|---|---|---|
| **Field ID:** AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-LA | **Batch#:** 328089 | **Prep:** EPA 3050B |
| **Type:** SAMPLE | **Sampled:** 12/08/23 | **Analysis:** EPA 6010B |
| **Lab ID:** 497480-011 | **Received:** 12/08/23 | **Analyst:** SBW |
| **Matrix:** Wipe | **Prepared:** 12/10/23 | |
| **Diln Fac:** 1.000 | **Analyzed:** 12/11/23 | |

| 497480-011 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **63** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497480 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-DUP-LA **Batch#:** 328089 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497480-012 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/10/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-012 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **77** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-L-LA **Batch#:** 328089 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497480-014 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/10/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-014 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **36** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-WF **Batch#:** 328089 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497480-016 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/10/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-016 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **110** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-DUP-WF **Batch#:** 328089 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497480-017 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/10/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-017 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **86** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-L-LA **Batch#:** 328089 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497480-019 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/10/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-019 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **210** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497480 **Project#:** 20-10491

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

**Field ID:** AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-L-LA **Batch#:** 328089 **Prep:** EPA 3050B

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B

**Lab ID:** 497480-021 **Received:** 12/08/23 **Analyst:** SBW

**Matrix:** Wipe **Prepared:** 12/10/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-021 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **150** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-L-LA **Batch#:** 328089 **Prep:** EPA 3050B

**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B

**Lab ID:** 497480-023 **Received:** 12/08/23 **Analyst:** SBW

**Matrix:** Wipe **Prepared:** 12/10/23

**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497480-023 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **73** | 0.50 | ug/ft2 |

**Type:** BLANK **Batch#:** 328089 **Analysis:** EPA 6010B

**Lab ID:** QC1112313 **Prepared:** 12/10/23 **Analyst:** SBW

**Matrix:** Wipe **Analyzed:** 12/11/23

**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112313 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

Legend

**ND:** Not Detected

**RL:** Reporting Limit

ENTHALPY ANALYTICAL

# Lead: Batch QC

**Lab #:** 497480 **Project#:** 20-10491

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

**Type:** BS **Batch#:** 328089 **Analysis:** EPA 6010B

**Lab ID:** QC1112314 **Prepared:** 12/10/23 **Analyst:** SBW

**Matrix:** Wipe **Analyzed:** 12/11/23

**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112314 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 57.72 | 115 | 80-120 | ug/ft2 |

**Type:** BSD **Batch#:** 328089 **Analysis:** EPA 6010B

**Lab ID:** QC1112315 **Prepared:** 12/10/23 **Analyst:** SBW

**Matrix:** Wipe **Analyzed:** 12/11/23

**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112315 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 55.52 | 111 | 80-120 | ug/ft2 | 4 | 20 |

Legend

**RPD:** Relative Percent Difference

REPORTING SUMMARY FOR 497480 METALS Wipe
Enthalpy Analytical - Orange

| Lab ID | Inst ID | Analyzed | IDF | PB |
|---|---|---|---|---|
| 497480-003 | MET06 | 12/11/23 18:04 | 1.0 | ✓ |
| 497480-005 | MET06 | 12/11/23 18:07 | 1.0 | ✓ |
| 497480-007 | MET06 | 12/11/23 18:10 | 1.0 | ✓ |
| 497480-009 | MET06 | 12/11/23 18:13 | 1.0 | ✓ |
| 497480-011 | MET06 | 12/11/23 18:16 | 1.0 | ✓ |
| 497480-012 | MET06 | 12/11/23 18:26 | 1.0 | ✓ |
| 497480-014 | MET06 | 12/11/23 18:29 | 1.0 | ✓ |
| 497480-016 | MET06 | 12/11/23 18:33 | 1.0 | ✓ |
| 497480-017 | MET06 | 12/11/23 18:36 | 1.0 | ✓ |
| 497480-019 | MET06 | 12/11/23 18:39 | 1.0 | ✓ |
| 497480-021 | MET06 | 12/11/23 18:42 | 1.0 | ✓ |
| 497480-023 | MET06 | 12/11/23 18:46 | 1.0 | ✓ |
| QC1112313 | MET06 | 12/11/23 17:54 | 1.0 | ✓ |
| QC1112314 | MET06 | 12/11/23 17:57 | 1.0 | ✓ |
| QC1112315 | MET06 | 12/11/23 18:00 | 1.0 | ✓ |

Enthalpy Sequence Summary for Sequence 483497419

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | met06_master011 | ICALBLK | CALBLANK | | | 12/11/23 10:19 | 1.0 | 1 | |
| 002 | met06_master011 | ICALBLK | CALBLANK | | | 12/11/23 10:24 | 1.0 | 1 | |
| 003 | met06_master011 | ICALBLK | CALBLANK | | | 12/11/23 10:28 | 1.0 | 1 | |
| 004 | met06_master011 | ICAL | L1 | | | 12/11/23 10:31 | 1.0 | 2 1 | |
| 005 | met06_master011 | ICAL | L2 | | | 12/11/23 10:35 | 1.0 | 3 1 | |
| 006 | met06_master011 | ICAL | L3 | | | 12/11/23 10:38 | 1.0 | 4 1 | |
| 007 | met06_master011 | ICAL | L4 | | | 12/11/23 10:41 | 1.0 | 5 1 | |
| 008 | met06_master011 | ICAL | L5 | | | 12/11/23 10:44 | 1.0 | 6 1 | |
| 009 | met06_master011 | ICAL | L6 | | | 12/11/23 10:48 | 1.0 | 7 1 | |
| 010 | met06_master011 | ICAL | L7 | | | 12/11/23 10:51 | 1.0 | 8 1 | |
| 011 | met06_master011 | ICAL | L8 | | | 12/11/23 10:54 | 1.0 | 9 1 | |
| 012 | met06_master011 | ICV | | | | 12/11/23 10:58 | 1.0 | 10 1 | |
| 013 | met06_master011 | CRI | | | | 12/11/23 11:01 | 1.0 | 11 1 | |
| 014 | met06_master011 | ICB | | | | 12/11/23 11:04 | 1.0 | 1 | |
| 015 | met06_master011 | ICSA | | | | 12/11/23 11:19 | 1.0 | 12 1 | 6:MGASMGCO3=1500 |
| 016 | met06_master011 | ICSAB | | | | 12/11/23 11:22 | 1.0 | 13 1 | 6:MGASMGCO3=1500 |
| 017 | met06_master011 | BLANK | QC1112237 | Soil | 328069 | 12/11/23 11:57 | 1.0 | 1 | |
| 018 | met06_master011 | LCS | QC1112238 | Soil | 328069 | 12/11/23 12:01 | 1.0 | 1 | |
| 019 | met06_master011 | MSS | 497381-001 | Soil | 328069 | 12/11/23 12:04 | 1.0 | 1 | 5:MGASMGCO3=350 |
| 020 | met06_master011 | MS | QC1112239 | Soil | 328069 | 12/11/23 12:07 | 1.0 | 1 | 5:MGASMGCO3=390 |
| 021 | met06_master011 | MSD | QC1112240 | Soil | 328069 | 12/11/23 12:11 | 1.0 | 1 | 5:MGASMGCO3=390 |
| 022 | met06_master011 | PDS | QC1112241 | Soil | 328069 | 12/11/23 12:14 | 1.0 | 1 | 4:FEASFE2O3=330 |
| 023 | met06_master011 | SAMPLE | 497427-001 | Soil | 328069 | 12/11/23 12:17 | 1.0 | 1 | 2:FE=210 |
| 024 | met06_master011 | SAMPLE | 497427-002 | Soil | 328069 | 12/11/23 12:20 | 1.0 | 1 | 3:FE=200 |
| 025 | met06_master011 | SAMPLE | 497427-003 | Soil | 328069 | 12/11/23 12:24 | 1.0 | 1 | 2:FE=190 |
| 026 | met06_master011 | SAMPLE | 497427-004 | Soil | 328069 | 12/11/23 12:27 | 1.0 | 1 | 2:FE=230 |
| 027 | met06_master011 | CCV | | | | 12/11/23 12:30 | 1.0 | 10 1 | |
| 028 | met06_master011 | CCB | | | | 12/11/23 12:34 | 1.0 | 1 | |
| 029 | met06_master011 | SAMPLE | 497427-005 | Soil | 328069 | 12/11/23 12:38 | 1.0 | 1 | 2:AL=240 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 030 | met06_master011 | SAMPLE | 497427-006 | Soil | 328069 | 12/11/23 12:41 | 1.0 | 1 | 2:FE=200 |
| 031 | met06_master011 | SAMPLE | 497427-007 | Soil | 328069 | 12/11/23 12:44 | 1.0 | 1 | 2:FE=220 |
| 032 | met06_master011 | BLANK | QC1112266 | Soil | 328077 | 12/11/23 12:48 | 1.0 | 1 | |
| 033 | met06_master011 | LCS | QC1112267 | Soil | 328077 | 12/11/23 12:51 | 1.0 | 1 | |
| 034 | met06_master011 | MSS | 497413-001 | Soil | 328077 | 12/11/23 12:54 | 1.0 | 1 | 7:CAASCACO3=320 |
| 035 | met06_master011 | MS | QC1112268 | Soil | 328077 | 12/11/23 12:57 | 1.0 | 1 | 7:CAASCACO3=360 |
| 036 | met06_master011 | MSD | QC1112269 | Soil | 328077 | 12/11/23 13:01 | 1.0 | 1 | 7:CAASCACO3=280 |
| 037 | met06_master011 | PDS | QC1112270 | Soil | 328077 | 12/11/23 13:04 | 1.0 | 1 | 7:CAASCACO3=310 |
| 038 | met06_master011 | SAMPLE | 497426-005 | Soil | 328077 | 12/11/23 13:07 | 1.0 | 1 | 2:FE=220 |
| 039 | met06_master011 | CCV | | | | 12/11/23 13:10 | 1.0 | 10 1 | |
| 040 | met06_master011 | CCB | | | | 12/11/23 13:14 | 1.0 | 1 | |
| 041 | met06_master011 | SAMPLE | 496845-001 | Water | 327575 | 12/11/23 13:17 | 10.0 | 1 | |
| 042 | met06_master011 | X | | TCLP Leachate | 328136 | 12/11/23 13:20 | 1.0 | 1 | |
| 043 | met06_master011 | BLANK | QC1112448 | TCLP Leachate | 328136 | 12/11/23 13:23 | 1.0 | 1 | 1:NA=1400 |
| 044 | met06_master011 | LCS | QC1112449 | TCLP Leachate | 328136 | 12/11/23 13:28 | 1.0 | 1 | 1:NA=1300 |
| 045 | met06_master011 | MSS | 496361-023 | TCLP Leachate | 328136 | 12/11/23 13:32 | 1.0 | 1 | 2:CAASCACO3=1500 |
| 046 | met06_master011 | MS | QC1112450 | TCLP Leachate | 328136 | 12/11/23 13:35 | 1.0 | 1 | 2:CAASCACO3=1400 |
| 047 | met06_master011 | CCV | | | | 12/11/23 13:38 | 1.0 | 10 1 | |
| 048 | met06_master011 | CCB | | | | 12/11/23 13:41 | 1.0 | 1 | |
| 049 | met06_master011 | SAMPLE | 496928-001 | TCLP Leachate | 328136 | 12/11/23 13:45 | 1.0 | 1 | 2:NA=1400 |
| 050 | met06_master011 | MSD | QC1112451 | TCLP Leachate | 328136 | 12/11/23 13:50 | 1.0 | 1 | 2:CAASCACO3=1500 |
| 051 | met06_master011 | BLANK | QC1112266 | Soil | 328077 | 12/11/23 13:54 | 1.0 | 1 | |
| 052 | met06_master011 | MSS | 497413-001 | Soil | 328077 | 12/11/23 13:57 | 10.0 | 1 | 2:FEASFE2O3=33 |
| 053 | met06_master011 | MS | QC1112268 | Soil | 328077 | 12/11/23 14:00 | 10.0 | 1 | 2:FEASFE2O3=33 |
| 054 | met06_master011 | MSD | QC1112269 | Soil | 328077 | 12/11/23 14:03 | 10.0 | 1 | 1:FE=20 |
| 055 | met06_master011 | PDS | QC1112270 | Soil | 328077 | 12/11/23 14:06 | 10.0 | 1 | 2:FEASFE2O3=33 |
| 056 | met06_master011 | CCV | | | | 12/11/23 14:10 | 1.0 | 10 1 | |
| 057 | met06_master011 | CCB | | | | 12/11/23 14:13 | 1.0 | 1 | |
| 058 | met06_master011 | SAMPLE | 497381-002 | Soil | 328069 | 12/11/23 14:16 | 1.0 | 1 | 2:FE=230 |

Instrument: MET06 Begun: 12/11/23 10:19
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| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 059 | met06_master011 | SAMPLE | 497381-003 | Soil | 328069 | 12/11/23 14:19 | 1.0 | 1 | 2:FE=260 |
| 060 | met06_master011 | SAMPLE | 497381-004 | Soil | 328069 | 12/11/23 14:23 | 1.0 | 1 | 2:FE=260 |
| 061 | met06_master011 | BLANK | QC1112513 | Water | 328160 | 12/11/23 14:26 | 1.0 | 1 | |
| 062 | met06_master011 | LCS | QC1112514 | Water | 328160 | 12/11/23 14:30 | 1.0 | 1 | |
| 063 | met06_master011 | MSS | 496817-002 | Filtrate | 328160 | 12/11/23 14:33 | 1.0 | 1 | 3:MGASMGCO3=1600 |
| 064 | met06_master011 | MS | QC1112515 | Filtrate | 328160 | 12/11/23 14:36 | 1.0 | 1 | 3:MGASMGCO3=1600 |
| 065 | met06_master011 | MSD | QC1112516 | Filtrate | 328160 | 12/11/23 14:39 | 1.0 | 1 | 3:MGASMGCO3=1600 |
| 066 | met06_master011 | CCV | | | | 12/11/23 14:43 | 1.0 | 10 1 | |
| 067 | met06_master011 | CCB | | | | 12/11/23 14:46 | 1.0 | 1 | |
| 068 | met06_master011 | SAMPLE | 497507-001 | Water | 328160 | 12/11/23 14:49 | 1.0 | 1 | |
| 069 | met06_master011 | SAMPLE | 497508-001 | Water | 328160 | 12/11/23 14:52 | 1.0 | 1 | |
| 070 | met06_master011 | SAMPLE | 497509-001 | Water | 328160 | 12/11/23 14:56 | 1.0 | 1 | |
| 071 | met06_master011 | SAMPLE | 497381-005 | Soil | 328069 | 12/11/23 14:59 | 1.0 | 1 | 2:FE=250 |
| 072 | met06_master011 | SAMPLE | 497381-006 | Soil | 328069 | 12/11/23 15:02 | 1.0 | 1 | 2:FE=260 |
| 073 | met06_master011 | SAMPLE | 497381-007 | Soil | 328069 | 12/11/23 15:05 | 1.0 | 1 | 2:FE=220 |
| 074 | met06_master011 | SAMPLE | 497381-008 | Soil | 328069 | 12/11/23 15:09 | 1.0 | 1 | 3:FE=330 |
| 075 | met06_master011 | SAMPLE | 497381-009 | Soil | 328069 | 12/11/23 15:12 | 1.0 | 1 | 3:FE=180 |
| 076 | met06_master011 | SAMPLE | 497381-010 | Soil | 328069 | 12/11/23 15:15 | 1.0 | 1 | 3:FE=170 |
| 077 | met06_master011 | SAMPLE | 497381-011 | Soil | 328069 | 12/11/23 15:18 | 1.0 | 1 | 2:FE=240 |
| 078 | met06_master011 | CCV | | | | 12/11/23 15:22 | 1.0 | 10 1 | |
| 079 | met06_master011 | CCB | | | | 12/11/23 15:25 | 1.0 | 1 | |
| 080 | met06_master011 | SAMPLE | 496361-024 | Soil | 328077 | 12/11/23 15:28 | 1.0 | 1 | 3:FE=220 |
| 081 | met06_master011 | SAMPLE | 497380-001 | Soil | 328077 | 12/11/23 15:31 | 1.0 | 1 | 2:FE=200 |
| 082 | met06_master011 | SAMPLE | 497438-004 | Soil | 328077 | 12/11/23 15:35 | 1.0 | 1 | 2:FE=200 |
| 083 | met06_master011 | SAMPLE | 497441-004 | Soil | 328077 | 12/11/23 15:38 | 1.0 | 1 | 2:FE=280 |
| 084 | met06_master011 | SAMPLE | 497443-003 | Soil | 328077 | 12/11/23 15:41 | 1.0 | 1 | 2:FE=200 |
| 085 | met06_master011 | SAMPLE | 497444-001 | Soil | 328077 | 12/11/23 15:44 | 1.0 | 1 | 2:FE=150 |
| 086 | met06_master011 | SAMPLE | 497445-001 | Soil | 328077 | 12/11/23 15:48 | 1.0 | 1 | 2:FE=250 |
| 087 | met06_master011 | SAMPLE | 497448-003 | Soil | 328077 | 12/11/23 15:51 | 1.0 | 1 | 2:FE=220 |

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| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 088 | met06_master011 | SAMPLE | 497450-003 | Soil | 328077 | 12/11/23 15:54 | 1.0 | 1 | 2:FE=240 |
| 089 | met06_master011 | SAMPLE | 497451-003 | Soil | 328077 | 12/11/23 15:57 | 1.0 | 1 | 2:FE=250 |
| 090 | met06_master011 | CCV | | | | 12/11/23 16:01 | 1.0 | 10 1 | |
| 091 | met06_master011 | CCB | | | | 12/11/23 16:04 | 1.0 | 1 | |
| 092 | met06_master011 | SAMPLE | 497452-004 | Soil | 328077 | 12/11/23 16:07 | 1.0 | 1 | 2:FE=240 |
| 093 | met06_master011 | SAMPLE | 497453-003 | Soil | 328077 | 12/11/23 16:10 | 1.0 | 1 | 2:FE=240 |
| 094 | met06_master011 | SAMPLE | 497455-001 | Soil | 328077 | 12/11/23 16:14 | 1.0 | 1 | 2:FE=250 |
| 095 | met06_master011 | SAMPLE | 497456-001 | Soil | 328077 | 12/11/23 16:17 | 1.0 | 1 | 2:FE=240 |
| 096 | met06_master011 | SAMPLE | 497457-001 | Soil | 328077 | 12/11/23 16:20 | 1.0 | 1 | 2:FE=230 |
| 097 | met06_master011 | BLANK | QC1112055 | Water | 328010 | 12/11/23 16:23 | 1.0 | 1 | |
| 098 | met06_master011 | LCS | QC1112056 | Water | 328010 | 12/11/23 16:27 | 1.0 | 1 | |
| 099 | met06_master011 | SAMPLE | 497364-001 | Water | 328010 | 12/11/23 16:30 | 5.0 | 1 | |
| 100 | met06_master011 | SAMPLE | 497364-002 | Water | 328010 | 12/11/23 16:33 | 50.0 | 1 | |
| 101 | met06_master011 | SAMPLE | 497364-003 | Water | 328010 | 12/11/23 16:36 | 50.0 | 1 | |
| 102 | met06_master011 | CCV | | | | 12/11/23 16:40 | 1.0 | 10 1 | |
| 103 | met06_master011 | CCB | | | | 12/11/23 16:43 | 1.0 | 1 | |
| 104 | met06_master011 | SAMPLE | 497364-004 | Water | 328010 | 12/11/23 16:46 | 5.0 | 1 | |
| 105 | met06_master011 | SAMPLE | 497364-005 | Water | 328010 | 12/11/23 16:49 | 50.0 | 1 | |
| 106 | met06_master011 | MSS | 497372-001 | Water | 328010 | 12/11/23 16:52 | 50.0 | 1 | |
| 107 | met06_master011 | MS | QC1112057 | Water | 328010 | 12/11/23 16:56 | 50.0 | 1 | |
| 108 | met06_master011 | MSD | QC1112058 | Water | 328010 | 12/11/23 16:59 | 50.0 | 1 | |
| 109 | met06_master011 | CCV | | | | 12/11/23 17:02 | 1.0 | 10 1 | |
| 110 | met06_master011 | CCB | | | | 12/11/23 17:05 | 1.0 | 1 | |
| 111 | met06_master011 | BLANK | QC1112173 | WET DI Leachate | 328047 | 12/11/23 17:12 | 1.0 | 1 | |
| 112 | met06_master011 | BS | QC1112174 | WET DI Leachate | 328047 | 12/11/23 17:15 | 1.0 | 1 | |
| 113 | met06_master011 | BSD | QC1112175 | WET DI Leachate | 328047 | 12/11/23 17:18 | 1.0 | 1 | |
| 114 | met06_master011 | SAMPLE | 497268-006 | WET DI Leachate | 328047 | 12/11/23 17:21 | 1.0 | 1 | |
| 115 | met06_master011 | SAMPLE | 497268-007 | WET DI Leachate | 328047 | 12/11/23 17:24 | 1.0 | 1 | |
| 116 | met06_master011 | SAMPLE | 497268-008 | WET DI Leachate | 328047 | 12/11/23 17:28 | 1.0 | 1 | |

Instrument: MET06 Begun: 12/11/23 10:19
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| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 117 | met06_master011 | CCV | | | | 12/11/23 17:41 | 1.0 | 10 1 | |
| 118 | met06_master011 | CCB | | | | 12/11/23 17:44 | 1.0 | 1 | |
| 119 | met06_master011 | SAMPLE | 497268-009 | WET DI Leachate | 328047 | 12/11/23 17:47 | 1.0 | 1 | |
| 120 | met06_master011 | SAMPLE | 497268-010 | WET DI Leachate | 328047 | 12/11/23 17:51 | 1.0 | 1 | |
| 121 | met06_master011 | BLANK | QC1112313 | Wipe | 328089 | 12/11/23 17:54 | 1.0 | 1 | |
| 122 | met06_master011 | BS | QC1112314 | Wipe | 328089 | 12/11/23 17:57 | 1.0 | 1 | |
| 123 | met06_master011 | BSD | QC1112315 | Wipe | 328089 | 12/11/23 18:00 | 1.0 | 1 | |
| 124 | met06_master011 | SAMPLE | 497480-003 | Wipe | 328089 | 12/11/23 18:04 | 1.0 | 1 | 1:ZN=68 |
| 125 | met06_master011 | SAMPLE | 497480-005 | Wipe | 328089 | 12/11/23 18:07 | 1.0 | 1 | 1:FE=45 |
| 126 | met06_master011 | SAMPLE | 497480-007 | Wipe | 328089 | 12/11/23 18:10 | 1.0 | 1 | 2:FE=49 |
| 127 | met06_master011 | SAMPLE | 497480-009 | Wipe | 328089 | 12/11/23 18:13 | 1.0 | 1 | 2:FE=55 |
| 128 | met06_master011 | SAMPLE | 497480-011 | Wipe | 328089 | 12/11/23 18:16 | 1.0 | 1 | 1:FE=55 |
| 129 | met06_master011 | CCV | | | | 12/11/23 18:20 | 1.0 | 10 1 | |
| 130 | met06_master011 | CCB | | | | 12/11/23 18:23 | 1.0 | 1 | |
| 131 | met06_master011 | SAMPLE | 497480-012 | Wipe | 328089 | 12/11/23 18:26 | 1.0 | 1 | 1:FE=47 |
| 132 | met06_master011 | SAMPLE | 497480-014 | Wipe | 328089 | 12/11/23 18:29 | 1.0 | 1 | 1:FE=34 |
| 133 | met06_master011 | SAMPLE | 497480-016 | Wipe | 328089 | 12/11/23 18:33 | 1.0 | 1 | 2:ZN=37 |
| 134 | met06_master011 | SAMPLE | 497480-017 | Wipe | 328089 | 12/11/23 18:36 | 1.0 | 1 | 1:FE=28 |
| 135 | met06_master011 | SAMPLE | 497480-019 | Wipe | 328089 | 12/11/23 18:39 | 1.0 | 1 | 2:FE=90 |
| 136 | met06_master011 | SAMPLE | 497480-021 | Wipe | 328089 | 12/11/23 18:42 | 1.0 | 1 | 2:FE=38 |
| 137 | met06_master011 | SAMPLE | 497480-023 | Wipe | 328089 | 12/11/23 18:46 | 1.0 | 1 | 1:FE=69 |
| 138 | met06_master011 | BLANK | QC1112209 | Soil | 328059 | 12/11/23 18:49 | 1.0 | 1 | |
| 139 | met06_master011 | BS | QC1112210 | Soil | 328059 | 12/11/23 18:52 | 1.0 | 1 | |
| 140 | met06_master011 | BSD | QC1112211 | Soil | 328059 | 12/11/23 18:55 | 1.0 | 1 | |
| 141 | met06_master011 | CCV | | | | 12/11/23 18:59 | 1.0 | 10 1 | |
| 142 | met06_master011 | CCB | | | | 12/11/23 19:02 | 1.0 | 1 | |
| 143 | met06_master011 | SAMPLE | 495875-051 | Soil | 328059 | 12/11/23 19:05 | 1.0 | 1 | 3:CA=5500 |
| 144 | met06_master011 | SAMPLE | 495875-052 | Soil | 328059 | 12/11/23 19:08 | 1.0 | 1 | 3:CA=6000 |
| 145 | met06_master011 | SAMPLE | 495875-053 | Soil | 328059 | 12/11/23 19:12 | 1.0 | 1 | 4:CA=2900 |

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| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 146 | met06_master011 | SAMPLE | 495875-054 | Soil | 328059 | 12/11/23 19:15 | 1.0 | 1 | 5:CA=3900 |
| 147 | met06_master011 | SAMPLE | 495875-055 | Soil | 328059 | 12/11/23 19:18 | 1.0 | 1 | 4:CA=3900 |
| 148 | met06_master011 | SAMPLE | 495875-056 | Soil | 328059 | 12/11/23 19:21 | 1.0 | 1 | 5:CA=2100 |
| 149 | met06_master011 | SAMPLE | 495875-057 | Soil | 328059 | 12/11/23 19:24 | 1.0 | 1 | 5:CA=3200 |
| 150 | met06_master011 | SAMPLE | 495875-058 | Soil | 328059 | 12/11/23 19:28 | 1.0 | 1 | 5:CA=3200 |
| 151 | met06_master011 | SAMPLE | 495875-059 | Soil | 328059 | 12/11/23 19:31 | 1.0 | 1 | 5:CA=2300 |
| 152 | met06_master011 | SAMPLE | 495875-060 | Soil | 328059 | 12/11/23 19:34 | 1.0 | 1 | 5:CA=2700 |
| 153 | met06_master011 | CCV | | | | 12/11/23 19:37 | 1.0 | 10 1 | |
| 154 | met06_master011 | CCB | | | | 12/11/23 19:41 | 1.0 | 1 | |
| 155 | met06_master011 | SAMPLE | 495875-061 | Soil | 328059 | 12/11/23 19:44 | 1.0 | 1 | 5:CA=2800 |
| 156 | met06_master011 | SAMPLE | 495875-062 | Soil | 328059 | 12/11/23 19:47 | 1.0 | 1 | 5:CA=2300 |
| 157 | met06_master011 | SAMPLE | 495875-063 | Soil | 328059 | 12/11/23 19:50 | 1.0 | 1 | 5:CA=2400 |
| 158 | met06_master011 | SAMPLE | 495875-064 | Soil | 328059 | 12/11/23 19:54 | 1.0 | 1 | 5:CA=2500 |
| 159 | met06_master011 | BLANK | QC1112510 | Air | 328158 | 12/11/23 19:57 | 1.0 | 1 | |
| 160 | met06_master011 | BS | QC1112511 | Air | 328158 | 12/11/23 20:00 | 1.0 | 1 | |
| 161 | met06_master011 | BSD | QC1112512 | Air | 328158 | 12/11/23 20:03 | 1.0 | 1 | |
| 162 | met06_master011 | SAMPLE | 497571-001 | Air | 328158 | 12/11/23 20:07 | 1.0 | 1 | |
| 163 | met06_master011 | SAMPLE | 497571-002 | Air | 328158 | 12/11/23 20:10 | 1.0 | 1 | |
| 164 | met06_master011 | SAMPLE | 497571-004 | Air | 328158 | 12/11/23 20:13 | 1.0 | 1 | |
| 165 | met06_master011 | CCV | | | | 12/11/23 20:16 | 1.0 | 10 1 | |
| 166 | met06_master011 | CCB | | | | 12/11/23 20:20 | 1.0 | 1 | |
| 167 | met06_master011 | BLANK | QC1112304 | Wipe | 328086 | 12/11/23 20:23 | 1.0 | 1 | |
| 168 | met06_master011 | BS | QC1112305 | Wipe | 328086 | 12/11/23 20:26 | 1.0 | 1 | |
| 169 | met06_master011 | BSD | QC1112306 | Wipe | 328086 | 12/11/23 20:29 | 1.0 | 1 | |
| 170 | met06_master011 | SAMPLE | 497531-001 | Wipe | 328086 | 12/11/23 20:32 | 1.0 | 1 | 2:ZN=110 |
| 171 | met06_master011 | SAMPLE | 497531-002 | Wipe | 328086 | 12/11/23 20:36 | 1.0 | 1 | 1:FE=60 |
| 172 | met06_master011 | SAMPLE | 497531-003 | Wipe | 328086 | 12/11/23 20:39 | 1.0 | 1 | 1:FE=68 |
| 173 | met06_master011 | SAMPLE | 497531-004 | Wipe | 328086 | 12/11/23 20:42 | 1.0 | 1 | 1:FE=35 |
| 174 | met06_master011 | SAMPLE | 497531-005 | Wipe | 328086 | 12/11/23 20:45 | 1.0 | 1 | 2:FE=49 |

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| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 175 | met06_master011 | SAMPLE | 497531-006 | Wipe | 328086 | 12/11/23 20:49 | 1.0 | 1 | 1:FE=120 |
| 176 | met06_master011 | SAMPLE | 497531-007 | Wipe | 328086 | 12/11/23 20:52 | 1.0 | 1 | 2:ZN=34 |
| 177 | met06_master011 | CCV | | | | 12/11/23 20:55 | 1.0 | 10 1 | |
| 178 | met06_master011 | CCB | | | | 12/11/23 20:58 | 1.0 | 1 | |
| 179 | met06_master011 | SAMPLE | 497531-008 | Wipe | 328086 | 12/11/23 21:02 | 1.0 | 1 | |
| 180 | met06_master011 | SAMPLE | 497531-009 | Wipe | 328086 | 12/11/23 21:05 | 1.0 | 1 | 1:FE=50 |
| 181 | met06_master011 | SAMPLE | 497531-010 | Wipe | 328086 | 12/11/23 21:08 | 1.0 | 1 | |
| 182 | met06_master011 | SAMPLE | 497531-011 | Wipe | 328086 | 12/11/23 21:11 | 1.0 | 1 | |
| 183 | met06_master011 | SAMPLE | 497531-012 | Wipe | 328086 | 12/11/23 21:15 | 1.0 | 1 | |
| 184 | met06_master011 | SAMPLE | 497531-013 | Wipe | 328086 | 12/11/23 21:18 | 1.0 | 1 | |
| 185 | met06_master011 | SAMPLE | 497531-014 | Wipe | 328086 | 12/11/23 21:21 | 1.0 | 1 | 2:ZN=110 |
| 186 | met06_master011 | SAMPLE | 497531-015 | Wipe | 328086 | 12/11/23 21:24 | 1.0 | 1 | 1:FE=24 |
| 187 | met06_master011 | SAMPLE | 497531-016 | Wipe | 328086 | 12/11/23 21:28 | 1.0 | 1 | 1:FE=21 |
| 188 | met06_master011 | SAMPLE | 497531-017 | Wipe | 328086 | 12/11/23 21:31 | 1.0 | 1 | 1:FE=23 |
| 189 | met06_master011 | CCV | | | | 12/11/23 21:34 | 1.0 | 10 1 | |
| 190 | met06_master011 | CCB | | | | 12/11/23 21:37 | 1.0 | 1 | |
| 191 | met06_master011 | SAMPLE | 497531-018 | Wipe | 328086 | 12/11/23 21:41 | 1.0 | 1 | |
| 192 | met06_master011 | SAMPLE | 497531-019 | Wipe | 328086 | 12/11/23 21:44 | 1.0 | 1 | 2:ZN=150 |
| 193 | met06_master011 | SAMPLE | 497531-020 | Wipe | 328086 | 12/11/23 21:47 | 1.0 | 1 | 1:FE=19 |
| 194 | met06_master011 | BLANK | QC1112310 | Wipe | 328088 | 12/11/23 21:50 | 1.0 | 1 | |
| 195 | met06_master011 | BS | QC1112311 | Wipe | 328088 | 12/11/23 21:54 | 1.0 | 1 | |
| 196 | met06_master011 | BSD | QC1112312 | Wipe | 328088 | 12/11/23 21:57 | 1.0 | 1 | |
| 197 | met06_master011 | SAMPLE | 497531-021 | Wipe | 328088 | 12/11/23 22:00 | 1.0 | 1 | 1:FE=29 |
| 198 | met06_master011 | SAMPLE | 497531-022 | Wipe | 328088 | 12/11/23 22:03 | 1.0 | 1 | 2:ZN=290 |
| 199 | met06_master011 | SAMPLE | 497531-023 | Wipe | 328088 | 12/11/23 22:06 | 1.0 | 1 | 2:ZN=110 |
| 200 | met06_master011 | SAMPLE | 497531-024 | Wipe | 328088 | 12/11/23 22:10 | 1.0 | 1 | 1:FE=21 |
| 201 | met06_master011 | CCV | | | | 12/11/23 22:13 | 1.0 | 10 1 | |
| 202 | met06_master011 | CCB | | | | 12/11/23 22:16 | 1.0 | 1 | |
| 203 | met06_master011 | SAMPLE | 497531-025 | Wipe | 328088 | 12/11/23 22:19 | 1.0 | 1 | 2:ZN=47 |

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| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 204 | met06_master011 | SAMPLE | 497531-026 | Wipe | 328088 | 12/11/23 22:23 | 1.0 | 1 | 1:FE=23 |
| 205 | met06_master011 | SAMPLE | 497531-027 | Wipe | 328088 | 12/11/23 22:26 | 1.0 | 1 | 2:ZN=120 |
| 206 | met06_master011 | SAMPLE | 497531-028 | Wipe | 328088 | 12/11/23 22:29 | 1.0 | 1 | 2:ZN=58 |
| 207 | met06_master011 | SAMPLE | 497531-029 | Wipe | 328088 | 12/11/23 22:32 | 1.0 | 1 | 1:FE=26 |
| 208 | met06_master011 | SAMPLE | 497531-030 | Wipe | 328088 | 12/11/23 22:36 | 1.0 | 1 | 2:ZN=220 |
| 209 | met06_master011 | SAMPLE | 497531-031 | Wipe | 328088 | 12/11/23 22:39 | 1.0 | 1 | |
| 210 | met06_master011 | SAMPLE | 497531-032 | Wipe | 328088 | 12/11/23 22:42 | 1.0 | 1 | |
| 211 | met06_master011 | SAMPLE | 497531-033 | Wipe | 328088 | 12/11/23 22:45 | 1.0 | 1 | |
| 212 | met06_master011 | SAMPLE | 497531-034 | Wipe | 328088 | 12/11/23 22:49 | 1.0 | 1 | |
| 213 | met06_master011 | CCV | | | | 12/11/23 22:52 | 1.0 | 10 1 | |
| 214 | met06_master011 | CCB | | | | 12/11/23 22:55 | 1.0 | 1 | |
| 215 | met06_master011 | BLANK | QC1112271 | Soil | 328078 | 12/11/23 22:58 | 1.0 | 1 | |
| 216 | met06_master011 | LCS | QC1112272 | Soil | 328078 | 12/11/23 23:02 | 1.0 | 1 | |
| 217 | met06_master011 | MSS | 497556-001 | Soil | 328078 | 12/11/23 23:05 | 1.0 | 1 | 4:FEASFE2O3=130 |
| 218 | met06_master011 | MS | QC1112273 | Soil | 328078 | 12/11/23 23:08 | 1.0 | 1 | 4:ALASAL2O3=180 |
| 219 | met06_master011 | MSD | QC1112274 | Soil | 328078 | 12/11/23 23:11 | 1.0 | 1 | 4:ALASAL2O3=190 |
| 220 | met06_master011 | PDS | QC1112275 | Soil | 328078 | 12/11/23 23:15 | 1.0 | 1 | 4:FEASFE2O3=120 |
| 221 | met06_master011 | SAMPLE | 497556-002 | Soil | 328078 | 12/11/23 23:18 | 1.0 | 1 | 2:FE=120 |
| 222 | met06_master011 | SAMPLE | 497556-003 | Soil | 328078 | 12/11/23 23:21 | 1.0 | 1 | 2:FE=110 |
| 223 | met06_master011 | SAMPLE | 497556-004 | Soil | 328078 | 12/11/23 23:24 | 1.0 | 1 | 2:AL=100 |
| 224 | met06_master011 | SAMPLE | 497556-005 | Soil | 328078 | 12/11/23 23:28 | 1.0 | 1 | 2:FE=110 |
| 225 | met06_master011 | CCV | | | | 12/11/23 23:31 | 1.0 | 10 1 | |
| 226 | met06_master011 | CCB | | | | 12/11/23 23:34 | 1.0 | 1 | |
| 227 | met06_master011 | SAMPLE | 497556-006 | Soil | 328078 | 12/11/23 23:37 | 1.0 | 1 | 2:FE=110 |
| 228 | met06_master011 | SAMPLE | 497556-007 | Soil | 328078 | 12/11/23 23:41 | 1.0 | 1 | 2:FE=82 |
| 229 | met06_master011 | SAMPLE | 497556-008 | Soil | 328078 | 12/11/23 23:44 | 1.0 | 1 | 2:FE=89 |
| 230 | met06_master011 | SAMPLE | 497556-009 | Soil | 328078 | 12/11/23 23:47 | 1.0 | 1 | 2:FE=100 |
| 231 | met06_master011 | SAMPLE | 497556-010 | Soil | 328078 | 12/11/23 23:50 | 1.0 | 1 | 2:FE=120 |
| 232 | met06_master011 | SAMPLE | 497556-011 | Soil | 328078 | 12/11/23 23:54 | 1.0 | 1 | 2:FE=130 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 233 | met06_master011 | SAMPLE | 497556-012 | Soil | 328078 | 12/11/23 23:57 | 1.0 | 1 | 2:FE=76 |
| 234 | met06_master011 | BLANK | QC1112408 | WET Leachate | 328049 | 12/12/23 00:00 | 1.0 | 1 | |
| 235 | met06_master011 | BS | QC1112409 | WET Leachate | 328049 | 12/12/23 00:03 | 1.0 | 1 | |
| 236 | met06_master011 | BSD | QC1112410 | WET Leachate | 328049 | 12/12/23 00:07 | 1.0 | 1 | |
| 237 | met06_master011 | CCV | | | | 12/12/23 00:10 | 1.0 | 10 1 | |
| 238 | met06_master011 | CCB | | | | 12/12/23 00:13 | 1.0 | 1 | |
| 239 | met06_master011 | SAMPLE | 496361-019 | WET Leachate | 328049 | 12/12/23 00:16 | 1.0 | 1 | |
| 240 | met06_master011 | SAMPLE | 496361-023 | WET Leachate | 328049 | 12/12/23 00:20 | 1.0 | 1 | |
| 241 | met06_master011 | SAMPLE | 496745-001 | WET Leachate | 328049 | 12/12/23 00:23 | 1.0 | 1 | |
| 242 | met06_master011 | SAMPLE | 496746-001 | WET Leachate | 328049 | 12/12/23 00:26 | 1.0 | 1 | |
| 243 | met06_master011 | SAMPLE | 496870-001 | WET Leachate | 328049 | 12/12/23 00:29 | 1.0 | 1 | |
| 244 | met06_master011 | SAMPLE | 496931-001 | WET Leachate | 328049 | 12/12/23 00:33 | 1.0 | 1 | 1:FE=35 |
| 245 | met06_master011 | SAMPLE | 497176-001 | WET Leachate | 328049 | 12/12/23 00:36 | 1.0 | 1 | |
| 246 | met06_master011 | SAMPLE | 497510-001 | WET Leachate | 328049 | 12/12/23 00:39 | 1.0 | 1 | |
| 247 | met06_master011 | SAMPLE | 497510-002 | WET Leachate | 328049 | 12/12/23 00:42 | 1.0 | 1 | |
| 248 | met06_master011 | BLANK | QC1112381 | Soil | 328105 | 12/12/23 00:45 | 1.0 | 1 | |
| 249 | met06_master011 | CCV | | | | 12/12/23 00:49 | 1.0 | 10 1 | |
| 250 | met06_master011 | CCB | | | | 12/12/23 00:52 | 1.0 | 1 | |
| 251 | met06_master011 | LCS | QC1112382 | Soil | 328105 | 12/12/23 00:55 | 1.0 | 1 | |
| 252 | met06_master011 | SAMPLE | 497496-005 | Soil | 328105 | 12/12/23 00:58 | 1.0 | 1 | 3:FE=320 |
| 253 | met06_master011 | SAMPLE | 497496-010 | Soil | 328105 | 12/12/23 01:02 | 1.0 | 1 | 2:FE=190 |
| 254 | met06_master011 | SAMPLE | 497498-005 | Soil | 328105 | 12/12/23 01:05 | 1.0 | 1 | 2:FE=190 |
| 255 | met06_master011 | SAMPLE | 497503-001 | Soil | 328105 | 12/12/23 01:08 | 1.0 | 1 | 2:FE=110 |
| 256 | met06_master011 | SAMPLE | 497503-002 | Soil | 328105 | 12/12/23 01:11 | 1.0 | 1 | 2:FE=170 |
| 257 | met06_master011 | SAMPLE | 497504-005 | Soil | 328105 | 12/12/23 01:15 | 1.0 | 1 | 2:AL=83 |
| 258 | met06_master011 | MSS | 497554-001 | Soil | 328105 | 12/12/23 01:18 | 1.0 | 1 | 5:FEASFE2O3=260 |
| 259 | met06_master011 | MS | QC1112383 | Soil | 328105 | 12/12/23 01:21 | 1.0 | 1 | 5:ALASAL2O3=320 |
| 260 | met06_master011 | MSD | QC1112384 | Soil | 328105 | 12/12/23 01:24 | 1.0 | 1 | 5:ALASAL2O3=290 |
| 261 | met06_master011 | CCV | | | | 12/12/23 01:27 | 1.0 | 10 1 | |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 262 | met06_master011 | CCB | | | | 12/12/23 01:31 | 1.0 | 1 | |
| 263 | met06_master011 | PDS | QC1112385 | Soil | 328105 | 12/12/23 01:34 | 1.0 | 1 | 5:FEASFE2O3=260 |
| 264 | met06_master011 | SAMPLE | 497554-002 | Soil | 328105 | 12/12/23 01:37 | 1.0 | 1 | 3:FE=210 |
| 265 | met06_master011 | SAMPLE | 497554-003 | Soil | 328105 | 12/12/23 01:40 | 1.0 | 1 | 2:FE=180 |
| 266 | met06_master011 | SAMPLE | 497554-004 | Soil | 328105 | 12/12/23 01:44 | 1.0 | 1 | 2:AL=170 |
| 267 | met06_master011 | SAMPLE | 497554-005 | Soil | 328105 | 12/12/23 01:47 | 1.0 | 1 | 2:FE=160 |
| 268 | met06_master011 | CCV | | | | 12/12/23 01:50 | 1.0 | 10 1 | |
| 269 | met06_master011 | CCB | | | | 12/12/23 01:53 | 1.0 | 1 | |
| 270 | met06_master011 | SAMPLE | 497554-010 | Soil | 328105 | 12/12/23 01:57 | 1.0 | 1 | 2:FE=98 |
| 271 | met06_master011 | BLANK | QC1112151 | Water | 328042 | 12/12/23 02:00 | 1.0 | 1 | |
| 272 | met06_master011 | LCS | QC1112152 | Water | 328042 | 12/12/23 02:03 | 1.0 | 1 | |
| 273 | met06_master011 | MSS | 497369-001 | Water | 328042 | 12/12/23 02:06 | 1.0 | 1 | 1:MGASMGCO3=450 |
| 274 | met06_master011 | MS | QC1112153 | Water | 328042 | 12/12/23 02:10 | 1.0 | 1 | 1:MGASMGCO3=510 |
| 275 | met06_master011 | MSD | QC1112154 | Water | 328042 | 12/12/23 02:13 | 1.0 | 1 | 1:MGASMGCO3=510 |
| 276 | met06_master011 | SAMPLE | 497369-003 | Water | 328042 | 12/12/23 02:16 | 1.0 | 1 | |
| 277 | met06_master011 | SAMPLE | 497369-004 | Water | 328042 | 12/12/23 02:19 | 1.0 | 1 | |
| 278 | met06_master011 | SAMPLE | 497370-001 | Water | 328042 | 12/12/23 02:22 | 1.0 | 1 | |
| 279 | met06_master011 | SAMPLE | 497370-002 | Water | 328042 | 12/12/23 02:26 | 1.0 | 1 | |
| 280 | met06_master011 | CCV | | | | 12/12/23 02:29 | 1.0 | 10 1 | |
| 281 | met06_master011 | CCB | | | | 12/12/23 02:32 | 1.0 | 1 | |
| 282 | met06_master011 | SAMPLE | 497370-003 | Water | 328042 | 12/12/23 02:35 | 1.0 | 1 | |
| 283 | met06_master011 | SAMPLE | 497370-004 | Water | 328042 | 12/12/23 02:39 | 1.0 | 1 | |
| 284 | met06_master011 | SAMPLE | 497370-005 | Water | 328042 | 12/12/23 02:42 | 1.0 | 1 | |
| 285 | met06_master011 | SAMPLE | 497384-001 | Water | 328042 | 12/12/23 02:45 | 1.0 | 1 | |
| 286 | met06_master011 | SAMPLE | 497385-001 | Water | 328042 | 12/12/23 02:48 | 1.0 | 1 | |
| 287 | met06_master011 | SAMPLE | 497386-001 | Water | 328042 | 12/12/23 02:52 | 1.0 | 1 | |
| 288 | met06_master011 | BLANK | QC1112596 | Soil | 328181 | 12/12/23 02:55 | 1.0 | 1 | |
| 289 | met06_master011 | LCS | QC1112597 | Soil | 328181 | 12/12/23 02:58 | 1.0 | 1 | |
| 290 | met06_master011 | SAMPLE | 497413-001 | Soil | 328181 | 12/12/23 03:01 | 1.0 | 1 | 4:FE=200 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 291 | met06_master011 | SAMPLE | 497426-005 | Soil | 328181 | 12/12/23 03:05 | 1.0 | 1 | 2:FE=200 |
| 292 | met06_master011 | CCV | | | | 12/12/23 03:08 | 1.0 | 10 1 | |
| 293 | met06_master011 | CCB | | | | 12/12/23 03:11 | 1.0 | 1 | |
| 294 | met06_master011 | MSS | 497479-005 | Soil | 328181 | 12/12/23 03:14 | 1.0 | 1 | 4:FEASFE2O3=400 |
| 295 | met06_master011 | MS | QC1112598 | Soil | 328181 | 12/12/23 03:18 | 1.0 | 1 | 4:FEASFE2O3=430 |
| 296 | met06_master011 | MSD | QC1112599 | Soil | 328181 | 12/12/23 03:21 | 1.0 | 1 | 4:ALASAL2O3=410 |
| 297 | met06_master011 | PDS | QC1112600 | Soil | 328181 | 12/12/23 03:24 | 1.0 | 1 | 4:FEASFE2O3=400 |
| 298 | met06_master011 | SAMPLE | 497499-001 | Soil | 328181 | 12/12/23 03:27 | 1.0 | 1 | 2:FE=110 |
| 299 | met06_master011 | SAMPLE | 497500-001 | Soil | 328181 | 12/12/23 03:31 | 1.0 | 1 | 2:FE=140 |
| 300 | met06_master011 | SAMPLE | 497506-006 | Soil | 328181 | 12/12/23 03:34 | 1.0 | 1 | 2:FE=69 |
| 301 | met06_master011 | SAMPLE | 497579-001 | Miscell. | 328181 | 12/12/23 03:37 | 1.0 | 1 | 3:FE=180 |
| 302 | met06_master011 | SAMPLE | 497602-007 | Soil | 328181 | 12/12/23 03:40 | 1.0 | 1 | 3:FE=160 |
| 303 | met06_master011 | SAMPLE | 497602-008 | Soil | 328181 | 12/12/23 03:44 | 1.0 | 1 | 3:FE=170 |
| 304 | met06_master011 | CCV | | | | 12/12/23 03:47 | 1.0 | 10 1 | |
| 305 | met06_master011 | CCB | | | | 12/12/23 03:50 | 1.0 | 1 | |
| 306 | met06_master011 | SAMPLE | 497602-009 | Soil | 328181 | 12/12/23 03:53 | 1.0 | 1 | 3:FE=150 |
| 307 | met06_master011 | SAMPLE | 497604-001 | Miscell. | 328181 | 12/12/23 03:57 | 1.0 | 1 | 3:FE=180 |
| 308 | met06_master011 | SAMPLE | 497604-003 | Soil | 328181 | 12/12/23 04:00 | 1.0 | 1 | 3:FE=180 |
| 309 | met06_master011 | CCV | | | | 12/12/23 04:03 | 1.0 | 10 1 | |
| 310 | met06_master011 | CCB | | | | 12/12/23 04:06 | 1.0 | 1 | |

SBW 12/11/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 041.

SBW 12/12/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 042 through 310.

*Standards Used:*
*1=S14463 2=S19498 3=S19497 4=S19496 5=S19495 6=S19494 7=S19385 8=S19493 9=S19242 10=S19393 11=S19240 12=S19107 13=S19267*

Date: 12/11/23 Reference: met06_master011
Sequence: MET06 12/11/23 Analyzed: 12/11/23 10:28

| # | Type | Sample ID | Y H | Y A | Y R |
|---|---|---|---|---|---|
| | | ICALBLK STD | 31687500 | 1263590 | 683754 |
| | | LOWER LIMIT | 9506250 | 379077 | 205126 |
| | | UPPER LIMIT | 63375000 | 2527180 | 1367508 |
| | | | | | |
| 014 | ICB | | 31679300 | 1279140 | 669583 |
| 015 | ICSA | | 27913900 | 1133090 | 634943 |
| 016 | ICSAB | | 27848800 | 1139520 | 634855 |
| 017 | BLANK | QC1112237 | 30956600 | 1270370 | 660239 |
| 018 | LCS | QC1112238 | 30288900 | 1254290 | 654850 |
| 019 | MSS | 497381-001 | 29185800 | 1234190 | 655130 |
| 020 | MS | QC1112239 | 29143500 | 1203790 | 647362 |
| 021 | MSD | QC1112240 | 29435900 | 1223230 | 651975 |
| 022 | PDS | QC1112241 | 29228400 | 1220640 | 650875 |
| 023 | SAMPLE | 497427-001 | 27989000 | 1175300 | 637936 |
| 024 | SAMPLE | 497427-002 | 27887500 | 1173650 | 636804 |
| 025 | SAMPLE | 497427-003 | 27631500 | 1155800 | 622578 |
| 026 | SAMPLE | 497427-004 | 27801500 | 1163470 | 632852 |
| 027 | CCV | | 30215700 | 1270230 | 661313 |
| 028 | CCB | | 31843900 | 1315620 | 674841 |
| 029 | SAMPLE | 497427-005 | 27385600 | 1156350 | 632232 |
| 030 | SAMPLE | 497427-006 | 27853300 | 1178530 | 634745 |
| 031 | SAMPLE | 497427-007 | 27612000 | 1166630 | 631784 |
| 032 | BLANK | QC1112266 | 30588700 | 1267680 | 649822 |
| 033 | LCS | QC1112267 | 30127200 | 1259580 | 641547 |
| 034 | MSS | 497413-001 | 28521500 | 1202120 | 637576 |
| 035 | MS | QC1112268 | 28495300 | 1191760 | 633077 |
| 036 | MSD | QC1112269 | 28341100 | 1190630 | 633228 |
| 037 | PDS | QC1112270 | 29034900 | 1210870 | 644426 |
| 038 | SAMPLE | 497426-005 | 29030800 | 1226810 | 644981 |
| 039 | CCV | | 30193100 | 1288800 | 663948 |
| 040 | CCB | | 31692800 | 1323860 | 680647 |
| 041 | SAMPLE | 496845-001 | 30408200 | 1280680 | 667394 |
| 043 | BLANK | QC1112448 | 26980300 | 1179440 | 655873 |
| 044 | LCS | QC1112449 | 27240500 | 1191930 | 654175 |
| 045 | MSS | 496361-023 | 26328200 | 1129360 | 641263 |
| 046 | MS | QC1112450 | 26427000 | 1138720 | 643031 |
| 047 | CCV | | 29863200 | 1272720 | 662925 |
| 048 | CCB | | 31321700 | 1320690 | 664414 |
| 049 | SAMPLE | 496928-001 | 26587300 | 1154190 | 646147 |
| 050 | MSD | QC1112451 | 26354800 | 1139410 | 640543 |
| 051 | BLANK | QC1112266 | 30280400 | 1260200 | 643816 |
| 052 | MSS | 497413-001 | 31261200 | 1299980 | 662508 |
| 053 | MS | QC1112268 | 30951900 | 1296980 | 664327 |
| 054 | MSD | QC1112269 | 31022300 | 1304970 | 664650 |
| 055 | PDS | QC1112270 | 31006100 | 1302080 | 665281 |
| 056 | CCV | | 30159000 | 1271480 | 658896 |
| 057 | CCB | | 31390300 | 1312270 | 665395 |
| 058 | SAMPLE | 497381-002 | 28595700 | 1212370 | 632443 |
| 059 | SAMPLE | 497381-003 | 28530200 | 1213690 | 634017 |
| 060 | SAMPLE | 497381-004 | 28873100 | 1227650 | 639101 |
| 061 | BLANK | QC1112513 | 29099100 | 1287930 | 654334 |
| 062 | LCS | QC1112514 | 29607300 | 1245210 | 644402 |
| 063 | MSS | 496817-002 | 26310400 | 1142050 | 628055 |
| 064 | MS | QC1112515 | 25926100 | 1173630 | 621629 |
| 065 | MSD | QC1112516 | 25826500 | 1166010 | 617240 |
| 066 | CCV | | 29809500 | 1267720 | 650630 |
| 067 | CCB | | 31648900 | 1332420 | 663447 |
| 068 | SAMPLE | 497507-001 | 31606200 | 1337680 | 707149 |

Enthalpy Internal Standard Summary for Sequence 483497419

| | | | |
|---|---|---|---|
| Date: | 12/11/23 | Reference: | met06_master011 |
| Sequence: | MET06 12/11/23 | Analyzed: | 12/11/23 10:28 |

| # | Type | Sample ID | Y H | Y A | Y R |
|---|---|---|---|---|---|
| 069 | SAMPLE | 497508-001 | 32856500 | 1343200 | 707356 |
| 070 | SAMPLE | 497509-001 | 32990700 | 1331860 | 692517 |
| 071 | SAMPLE | 497381-005 | 30046700 | 1255940 | 646904 |
| 072 | SAMPLE | 497381-006 | 28964900 | 1240490 | 647554 |
| 073 | SAMPLE | 497381-007 | 29389700 | 1250900 | 650031 |
| 074 | SAMPLE | 497381-008 | 28518900 | 1211260 | 640884 |
| 075 | SAMPLE | 497381-009 | 29211800 | 1251810 | 644934 |
| 076 | SAMPLE | 497381-010 | 29229200 | 1246770 | 648535 |
| 077 | SAMPLE | 497381-011 | 29085700 | 1251770 | 647088 |
| 078 | CCV | | 30328400 | 1305300 | 663873 |
| 079 | CCB | | 31837000 | 1346270 | 671246 |
| 080 | SAMPLE | 496361-024 | 27485700 | 1179350 | 624608 |
| 081 | SAMPLE | 497380-001 | 28483800 | 1222920 | 633851 |
| 082 | SAMPLE | 497438-004 | 28646100 | 1226430 | 636152 |
| 083 | SAMPLE | 497441-004 | 28376500 | 1226820 | 630985 |
| 084 | SAMPLE | 497443-003 | 28339000 | 1218500 | 629448 |
| 085 | SAMPLE | 497444-001 | 29150400 | 1263920 | 645616 |
| 086 | SAMPLE | 497445-001 | 28817800 | 1254050 | 636845 |
| 087 | SAMPLE | 497448-003 | 28426000 | 1225180 | 628993 |
| 088 | SAMPLE | 497450-003 | 28993700 | 1266800 | 642035 |
| 089 | SAMPLE | 497451-003 | 28732600 | 1238540 | 632983 |
| 090 | CCV | | 30383400 | 1304580 | 661354 |
| 091 | CCB | | 31652100 | 1348380 | 667227 |
| 092 | SAMPLE | 497452-004 | 28576800 | 1239680 | 633194 |
| 093 | SAMPLE | 497453-003 | 28780100 | 1241090 | 631846 |
| 094 | SAMPLE | 497455-001 | 28930600 | 1254460 | 634715 |
| 095 | SAMPLE | 497456-001 | 28866600 | 1245750 | 636008 |
| 096 | SAMPLE | 497457-001 | 28630900 | 1238710 | 636234 |
| 097 | BLANK | QC1112055 | 31245500 | 1322230 | 656302 |
| 098 | LCS | QC1112056 | 29905700 | 1278330 | 644201 |
| 099 | SAMPLE | 497364-001 | 28062400 | 1249900 | 650308 |
| 100 | SAMPLE | 497364-002 | 28816100 | 1277730 | 654607 |
| 101 | SAMPLE | 497364-003 | 28957500 | 1279440 | 661851 |
| 102 | CCV | | 29728200 | 1288320 | 653036 |
| 103 | CCB | | 31073300 | 1333310 | 663809 |
| 104 | SAMPLE | 497364-004 | 27859800 | 1244000 | 652289 |
| 105 | SAMPLE | 497364-005 | 30484800 | 1313270 | 663344 |
| 106 | MSS | 497372-001 | 30676300 | 1326570 | 667666 |
| 107 | MS | QC1112057 | 30804900 | 1325920 | 668771 |
| 108 | MSD | QC1112058 | 30498200 | 1306490 | 656938 |
| 109 | CCV | | 29549100 | 1278910 | 651431 |
| 110 | CCB | | 31541600 | 1337290 | 664149 |
| 111 | BLANK | QC1112173 | 31484700 | 1343370 | 675126 |
| 112 | BS | QC1112174 | 31368300 | 1353760 | 665403 |
| 113 | BSD | QC1112175 | 31256300 | 1342110 | 662317 |
| 114 | SAMPLE | 497268-006 | 30059800 | 1295090 | 651455 |
| 115 | SAMPLE | 497268-007 | 29791800 | 1292990 | 654038 |
| 116 | SAMPLE | 497268-008 | 29839400 | 1289150 | 656854 |
| 117 | CCV | | 29450300 | 1284120 | 653603 |
| 118 | CCB | | 31183600 | 1334130 | 661062 |
| 119 | SAMPLE | 497268-009 | 29781500 | 1289480 | 651876 |
| 120 | SAMPLE | 497268-010 | 29600600 | 1279870 | 646919 |
| 121 | BLANK | QC1112313 | 27588500 | 1154430 | 597562 |
| 122 | BS | QC1112314 | 27749000 | 1179190 | 600600 |
| 123 | BSD | QC1112315 | 28279600 | 1190800 | 607056 |
| 124 | SAMPLE | 497480-003 | 28707500 | 1194220 | 612201 |
| 125 | SAMPLE | 497480-005 | 28646000 | 1207100 | 613022 |

Date: 12/11/23 Reference: met06_master011
Sequence: MET06 12/11/23 Analyzed: 12/11/23 10:28

| # | Type | Sample ID | Y H | Y A | Y R |
|---|---|---|---|---|---|
| 126 | SAMPLE | 497480-007 | 28382100 | 1203480 | 614283 |
| 127 | SAMPLE | 497480-009 | 28430400 | 1183660 | 612368 |
| 128 | SAMPLE | 497480-011 | 28869300 | 1194120 | 641214 |
| 129 | CCV | | 30520300 | 1307850 | 672284 |
| 130 | CCB | | 31903200 | 1358540 | 681228 |
| 131 | SAMPLE | 497480-012 | 29441000 | 1232770 | 638281 |
| 132 | SAMPLE | 497480-014 | 29804200 | 1229810 | 644193 |
| 133 | SAMPLE | 497480-016 | 29512300 | 1233840 | 635251 |
| 134 | SAMPLE | 497480-017 | 30099900 | 1241970 | 641497 |
| 135 | SAMPLE | 497480-019 | 29723100 | 1225520 | 635530 |
| 136 | SAMPLE | 497480-021 | 29676900 | 1223400 | 634672 |
| 137 | SAMPLE | 497480-023 | 30117800 | 1245210 | 642753 |
| 138 | BLANK | QC1112209 | 30265800 | 1287610 | 646226 |
| 139 | BS | QC1112210 | 29872400 | 1255580 | 640973 |
| 140 | BSD | QC1112211 | 29853800 | 1257160 | 634857 |
| 141 | CCV | | 30351300 | 1291570 | 664714 |
| 142 | CCB | | 31407800 | 1322790 | 670306 |
| 143 | SAMPLE | 495875-051 | 23945600 | 1116780 | 589429 |
| 144 | SAMPLE | 495875-052 | 23346500 | 1068620 | 568565 |
| 145 | SAMPLE | 495875-053 | 27776100 | 1225460 | 698680 |
| 146 | SAMPLE | 495875-054 | 27595900 | 1230120 | 687924 |
| 147 | SAMPLE | 495875-055 | 27600500 | 1230010 | 692759 |
| 148 | SAMPLE | 495875-056 | 29204100 | 1294700 | 721624 |
| 149 | SAMPLE | 495875-057 | 30035000 | 1356520 | 801977 |
| 150 | SAMPLE | 495875-058 | 30690400 | 1364580 | 779609 |
| 151 | SAMPLE | 495875-059 | 30861500 | 1389430 | 797129 |
| 152 | SAMPLE | 495875-060 | 32337100 | 1462530 | 837461 |
| 153 | CCV | | 31305600 | 1333260 | 689869 |
| 154 | CCB | | 32009300 | 1370430 | 695567 |
| 155 | SAMPLE | 495875-061 | 32462200 | 1448930 | 826008 |
| 156 | SAMPLE | 495875-062 | 32543200 | 1453520 | 835469 |
| 157 | SAMPLE | 495875-063 | 34393900 | 1574930 | 899162 |
| 158 | SAMPLE | 495875-064 | 34333700 | 1563800 | 899768 |
| 159 | BLANK | QC1112510 | 29932000 | 1245490 | 652819 |
| 160 | BS | QC1112511 | 30044900 | 1272370 | 657553 |
| 161 | BSD | QC1112512 | 30061700 | 1262080 | 650942 |
| 162 | SAMPLE | 497571-001 | 31068500 | 1299410 | 672064 |
| 163 | SAMPLE | 497571-002 | 30285800 | 1277600 | 664304 |
| 164 | SAMPLE | 497571-004 | 31190500 | 1304570 | 671510 |
| 165 | CCV | | 31625500 | 1350980 | 694340 |
| 166 | CCB | | 33080800 | 1396950 | 708089 |
| 167 | BLANK | QC1112304 | 29581500 | 1248680 | 648474 |
| 168 | BS | QC1112305 | 29785300 | 1252150 | 651444 |
| 169 | BSD | QC1112306 | 29634800 | 1245780 | 647062 |
| 170 | SAMPLE | 497531-001 | 30784500 | 1270920 | 666676 |
| 171 | SAMPLE | 497531-002 | 30571900 | 1272000 | 667337 |
| 172 | SAMPLE | 497531-003 | 30375300 | 1263940 | 660074 |
| 173 | SAMPLE | 497531-004 | 30797400 | 1280040 | 663389 |
| 174 | SAMPLE | 497531-005 | 30849500 | 1278870 | 668638 |
| 175 | SAMPLE | 497531-006 | 30295700 | 1272160 | 669449 |
| 176 | SAMPLE | 497531-007 | 30704200 | 1280610 | 665910 |
| 177 | CCV | | 32219800 | 1370850 | 698357 |
| 178 | CCB | | 33202500 | 1409950 | 706934 |
| 179 | SAMPLE | 497531-008 | 30322200 | 1269900 | 666131 |
| 180 | SAMPLE | 497531-009 | 30580700 | 1269870 | 666629 |
| 181 | SAMPLE | 497531-010 | 30620700 | 1270780 | 665081 |
| 182 | SAMPLE | 497531-011 | 30899700 | 1279450 | 666283 |
| 183 | SAMPLE | 497531-012 | 31138900 | 1289290 | 672810 |

Date: 12/11/23 Reference: met06_master011
Sequence: MET06 12/11/23 Analyzed: 12/11/23 10:28

| # | Type | Sample ID | Y H | Y A | Y R |
|---|---|---|---|---|---|
| 184 | SAMPLE | 497531-013 | 30415700 | 1271150 | 665902 |
| 185 | SAMPLE | 497531-014 | 30877400 | 1289310 | 672810 |
| 186 | SAMPLE | 497531-015 | 30968800 | 1277330 | 668857 |
| 187 | SAMPLE | 497531-016 | 31057900 | 1289770 | 672634 |
| 188 | SAMPLE | 497531-017 | 30844300 | 1287620 | 673579 |
| 189 | CCV | | 31961100 | 1377420 | 698558 |
| 190 | CCB | | 33041900 | 1418160 | 709289 |
| 191 | SAMPLE | 497531-018 | 30289500 | 1272820 | 660178 |
| 192 | SAMPLE | 497531-019 | 30740800 | 1274000 | 665975 |
| 193 | SAMPLE | 497531-020 | 30833200 | 1276170 | 665344 |
| 194 | BLANK | QC1112310 | 29940200 | 1251320 | 658017 |
| 195 | BS | QC1112311 | 29688500 | 1252400 | 651013 |
| 196 | BSD | QC1112312 | 29796000 | 1257260 | 655802 |
| 197 | SAMPLE | 497531-021 | 30582600 | 1269080 | 662409 |
| 198 | SAMPLE | 497531-022 | 30057500 | 1253130 | 661637 |
| 199 | SAMPLE | 497531-023 | 30651800 | 1273610 | 667333 |
| 200 | SAMPLE | 497531-024 | 30701200 | 1275480 | 668421 |
| 201 | CCV | | 31989800 | 1367680 | 701001 |
| 202 | CCB | | 33015800 | 1412730 | 712080 |
| 203 | SAMPLE | 497531-025 | 30075200 | 1252190 | 656557 |
| 204 | SAMPLE | 497531-026 | 30935600 | 1278660 | 668185 |
| 205 | SAMPLE | 497531-027 | 30366800 | 1259580 | 664560 |
| 206 | SAMPLE | 497531-028 | 30710300 | 1266340 | 661948 |
| 207 | SAMPLE | 497531-029 | 30691900 | 1268450 | 661864 |
| 208 | SAMPLE | 497531-030 | 30447700 | 1249510 | 663393 |
| 209 | SAMPLE | 497531-031 | 31031200 | 1274940 | 665708 |
| 210 | SAMPLE | 497531-032 | 30697600 | 1262900 | 662036 |
| 211 | SAMPLE | 497531-033 | 31219500 | 1289760 | 669588 |
| 212 | SAMPLE | 497531-034 | 31085100 | 1279280 | 672211 |
| 213 | CCV | | 32100800 | 1370610 | 704246 |
| 214 | CCB | | 33291700 | 1421480 | 705190 |
| 215 | BLANK | QC1112271 | 32248700 | 1352070 | 684207 |
| 216 | LCS | QC1112272 | 31976400 | 1336920 | 684251 |
| 217 | MSS | 497556-001 | 31202000 | 1324130 | 679643 |
| 218 | MS | QC1112273 | 30765000 | 1320050 | 675749 |
| 219 | MSD | QC1112274 | 30737100 | 1329010 | 678954 |
| 220 | PDS | QC1112275 | 30100400 | 1335930 | 673826 |
| 221 | SAMPLE | 497556-002 | 31090900 | 1328330 | 678156 |
| 222 | SAMPLE | 497556-003 | 31294800 | 1332770 | 688956 |
| 223 | SAMPLE | 497556-004 | 31152700 | 1323440 | 686645 |
| 224 | SAMPLE | 497556-005 | 30810200 | 1315580 | 680119 |
| 225 | CCV | | 31201100 | 1338230 | 688885 |
| 226 | CCB | | 32961600 | 1404050 | 701241 |
| 227 | SAMPLE | 497556-006 | 30911000 | 1319420 | 683320 |
| 228 | SAMPLE | 497556-007 | 31001100 | 1319830 | 682774 |
| 229 | SAMPLE | 497556-008 | 30820600 | 1314540 | 674333 |
| 230 | SAMPLE | 497556-009 | 31024400 | 1328110 | 681729 |
| 231 | SAMPLE | 497556-010 | 30883100 | 1324480 | 685318 |
| 232 | SAMPLE | 497556-011 | 30590400 | 1306950 | 678220 |
| 233 | SAMPLE | 497556-012 | 30923000 | 1315990 | 676761 |
| 234 | BLANK | QC1112408 | 31519100 | 1367850 | 696980 |
| 235 | BS | QC1112409 | 31527800 | 1368430 | 703503 |
| 236 | BSD | QC1112410 | 31550200 | 1364690 | 697717 |
| 237 | CCV | | 30965100 | 1336380 | 688025 |
| 238 | CCB | | 32223500 | 1381330 | 695492 |
| 239 | SAMPLE | 496361-019 | 31275900 | 1340030 | 690472 |
| 240 | SAMPLE | 496361-023 | 30694800 | 1322760 | 686489 |
| 241 | SAMPLE | 496745-001 | 31144600 | 1345120 | 691466 |

Date: 12/11/23 Reference: met06_master011
Sequence: MET06 12/11/23 Analyzed: 12/11/23 10:28

| # | Type | Sample ID | Y H | Y A | Y R |
|---|---|---|---|---|---|
| 242 | SAMPLE | 496746-001 | 31113100 | 1343840 | 692704 |
| 243 | SAMPLE | 496870-001 | 31395100 | 1340840 | 674591 |
| 244 | SAMPLE | 496931-001 | 31280900 | 1341880 | 693948 |
| 245 | SAMPLE | 497176-001 | 30949900 | 1338560 | 685888 |
| 246 | SAMPLE | 497510-001 | 31201800 | 1329640 | 683407 |
| 247 | SAMPLE | 497510-002 | 31261800 | 1338730 | 685432 |
| 248 | BLANK | QC1112381 | 31617800 | 1319350 | 671194 |
| 249 | CCV | | 30239200 | 1325160 | 681540 |
| 250 | CCB | | 31873100 | 1373100 | 690498 |
| 251 | LCS | QC1112382 | 31073500 | 1307770 | 661581 |
| 252 | SAMPLE | 497496-005 | 30110700 | 1257830 | 664397 |
| 253 | SAMPLE | 497496-010 | 30475700 | 1300150 | 670507 |
| 254 | SAMPLE | 497498-005 | 30817100 | 1286630 | 673099 |
| 255 | SAMPLE | 497503-001 | 30881100 | 1299360 | 670669 |
| 256 | SAMPLE | 497503-002 | 30438600 | 1290170 | 669906 |
| 257 | SAMPLE | 497504-005 | 30782900 | 1296720 | 670101 |
| 258 | MSS | 497554-001 | 31037800 | 1331600 | 686295 |
| 259 | MS | QC1112383 | 31047200 | 1333360 | 681525 |
| 260 | MSD | QC1112384 | 31207700 | 1328060 | 682785 |
| 261 | CCV | | 31108000 | 1326280 | 684235 |
| 262 | CCB | | 32691300 | 1383460 | 687655 |
| 263 | PDS | QC1112385 | 30798300 | 1318590 | 680051 |
| 264 | SAMPLE | 497554-002 | 31344700 | 1334690 | 683678 |
| 265 | SAMPLE | 497554-003 | 30738700 | 1314760 | 672250 |
| 266 | SAMPLE | 497554-004 | 30623700 | 1307310 | 673707 |
| 267 | SAMPLE | 497554-005 | 31185200 | 1330190 | 682711 |
| 268 | CCV | | 31077100 | 1328510 | 676580 |
| 269 | CCB | | 31867200 | 1363840 | 688344 |
| 270 | SAMPLE | 497554-010 | 30446400 | 1291810 | 669670 |
| 271 | BLANK | QC1112151 | 32577500 | 1369260 | 690076 |
| 272 | LCS | QC1112152 | 31378900 | 1330960 | 676146 |
| 273 | MSS | 497369-001 | 28094700 | 1222790 | 662098 |
| 274 | MS | QC1112153 | 27880400 | 1215150 | 656592 |
| 275 | MSD | QC1112154 | 28041300 | 1222540 | 658681 |
| 276 | SAMPLE | 497369-003 | 32165800 | 1346130 | 679961 |
| 277 | SAMPLE | 497369-004 | 32219500 | 1353940 | 680357 |
| 278 | SAMPLE | 497370-001 | 32303400 | 1358820 | 684607 |
| 279 | SAMPLE | 497370-002 | 32482100 | 1357960 | 684608 |
| 280 | CCV | | 30886700 | 1312130 | 672102 |
| 281 | CCB | | 32377200 | 1361610 | 676237 |
| 282 | SAMPLE | 497370-003 | 32400700 | 1354340 | 679438 |
| 283 | SAMPLE | 497370-004 | 32043000 | 1342670 | 676456 |
| 284 | SAMPLE | 497370-005 | 31945400 | 1341650 | 676918 |
| 285 | SAMPLE | 497384-001 | 31591600 | 1353510 | 695243 |
| 286 | SAMPLE | 497385-001 | 31002100 | 1311170 | 674001 |
| 287 | SAMPLE | 497386-001 | 30318200 | 1326360 | 674286 |
| 288 | BLANK | QC1112596 | 32186800 | 1337220 | 676882 |
| 289 | LCS | QC1112597 | 31767200 | 1317600 | 670109 |
| 290 | SAMPLE | 497413-001 | 30215100 | 1278690 | 665523 |
| 291 | SAMPLE | 497426-005 | 30585900 | 1305600 | 666019 |
| 292 | CCV | | 30656500 | 1299610 | 668484 |
| 293 | CCB | | 32507500 | 1355610 | 680774 |
| 294 | MSS | 497479-005 | 30750000 | 1298480 | 667941 |
| 295 | MS | QC1112598 | 30218400 | 1285400 | 660877 |
| 296 | MSD | QC1112599 | 30209500 | 1289760 | 665479 |
| 297 | PDS | QC1112600 | 30599400 | 1302020 | 667596 |
| 298 | SAMPLE | 497499-001 | 31059500 | 1300500 | 675070 |
| 299 | SAMPLE | 497500-001 | 30825700 | 1285000 | 665024 |

Enthalpy Internal Standard Summary for Sequence 483497419

| | | | |
|---|---|---|---|
| Date: | 12/11/23 | Reference: | met06_master011 |
| Sequence: | MET06 12/11/23 | Analyzed: | 12/11/23 10:28 |

| # | Type | Sample ID | Y H | Y A | Y R |
|---|---|---|---|---|---|
| 300 | SAMPLE | 497506-006 | 30709600 | 1275020 | 666999 |
| 301 | SAMPLE | 497579-001 | 28189000 | 1216060 | 662102 |
| 302 | SAMPLE | 497602-007 | 30694900 | 1272780 | 663962 |
| 303 | SAMPLE | 497602-008 | 30431100 | 1268220 | 660644 |
| 304 | CCV | | 30673700 | 1300860 | 670328 |
| 305 | CCB | | 32579700 | 1344970 | 681937 |
| 306 | SAMPLE | 497602-009 | 30584800 | 1275180 | 659797 |
| 307 | SAMPLE | 497604-001 | 29676400 | 1242180 | 649435 |
| 308 | SAMPLE | 497604-003 | 30136400 | 1252650 | 656386 |
| 309 | CCV | | 30441400 | 1279030 | 670901 |
| 310 | CCB | | 32537600 | 1334970 | 681938 |

ENTHALPY INITIAL CALIBRATION FOR 497480 METALS Wipe: EPA 6010B

| | | | |
|---|---|---|---|
| Instrument: | MET06 | | |
| Calibration #: | 483497419001 | Date: | 11-DEC-2023 10:28 |
| Units: | mg/L | X Axis: | R |

| Level | File | Seqnum | Sample ID | Analyzed | Standards |
|---|---|---|---|---|---|
| L1 | met06_master011 | 483497419004 | L1 | 11-DEC-2023 10:31 | S19498, S14463 (100X) |
| L2 | met06_master011 | 483497419005 | L2 | 11-DEC-2023 10:35 | S19497, S14463 (100X) |
| L3 | met06_master011 | 483497419006 | L3 | 11-DEC-2023 10:38 | S19496, S14463 (100X) |
| L4 | met06_master011 | 483497419007 | L4 | 11-DEC-2023 10:41 | S19495, S14463 (100X) |
| L5 | met06_master011 | 483497419008 | L5 | 11-DEC-2023 10:44 | S19494, S14463 (100X) |
| L6 | met06_master011 | 483497419009 | L6 | 11-DEC-2023 10:48 | S19385, S14463 (100X) |

| Analyte | Ch | Type | a0 | a1 | a2 | Avg RF | $r^2$ | %RSD | n | Min $r^2$ | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | WB1K | 0.00457 | 32.0542 | | 0.0228 | 1.000 | | 7 | 0.995 | |

*Instrument amount = a0 + (response × a1) + (response² × a2)*
*WB1K: Linear regression with ICALBLK weighting factor of 1000*

| Analyte | Ch | L1 RF | L2 RF | L3 RF | L4 RF | L5 RF | L6 RF |
|---|---|---|---|---|---|---|---|
| Lead | A | -0.009 | 0.0193 | 0.0321 | 0.0327 | 0.0312 | 0.0311 |

| Spiked Amounts / Drifts | Ch | L1 | %D | L2 | %D | L3 | %D | L4 | %D | L5 | %D | L6 | %D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0033 | 7 | 0.0100 | 8 | 0.1000 | 7 | 1.0000 | 5 | 5.0000 | 0 | 10.000 | 0 |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 497480 METALS Wipe
EPA 6010B

| | | | |
|---|---|---|---|
| Inst: | MET06 | | |
| Calnum: | 483497419001 | Cal Date: | 11-DEC-2023 |

- ICV 483497419012 (11-DEC-2023) stds: S19393, S14463 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 1.006 | mg/l | 1 | 10 | |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419014 | File: | met06_master011 | Time: | 11-DEC-2023 11:04 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | ND | 0.003333 | --- | mg/l | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31679300 | -0.03 |
| Yttrium | A | 1263590 | 1279140 | 1.23 |
| Yttrium | R | 683754 | 669583 | -2.07 |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419015 | File: | met06_master011 | Time: | 11-DEC-2023 11:19 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19107, S14463 (100X)

| Analyte | Ch | Quant | IQL | Units | Flags |
|---|---|---|---|---|---|
| Lead | A | 0.006172 | 0.003333 | mg/l | !a+ |

| Interferent | Ch | Spiked | Quant | Units | %Rec | Flags |
|---|---|---|---|---|---|---|
| Iron | A | 160.0 | 158.1 | mg/l | 99 | |
| Aluminum | R | 400.0 | 409.6 | mg/l | 102 | |
| Calcium | R | 400.0 | 420.3 | mg/l | 105 | |
| Magnesium | R | 400.0 | 433.9 | mg/l | 108 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 27913900 | -11.91 |
| Yttrium | A | 1263590 | 1133090 | -10.33 |
| Yttrium | R | 683754 | 634943 | -7.14 |

*!=warning +=high bias a=ICSA*

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419016 | File: | met06_master011 | Time: | 11-DEC-2023 11:22 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19267, S14463 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 1.125 | mg/l | 12 | 20 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 27848800 | -12.11 |
| Yttrium | A | 1263590 | 1139520 | -9.82 |
| Yttrium | R | 683754 | 634855 | -7.15 |

ENTHALPY CONTINUING CALIBRATION FOR 497480 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419117 | File: | met06_master011 | Time: | 11-DEC-2023 17:41 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19393, S14463 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0228 | 0.0324 | 1.000 | 1.042 | mg/l | 4 | 10 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 29450300 | -7.06 |
| Yttrium | A | 1263590 | 1284120 | 1.62 |
| Yttrium | R | 683754 | 653603 | -4.41 |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419118 | File: | met06_master011 | Time: | 11-DEC-2023 17:44 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | [0.002002] | 0.003333 | --- | mg/l | !CCB |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31183600 | -1.59 |
| Yttrium | A | 1263590 | 1334130 | 5.58 |
| Yttrium | R | 683754 | 661062 | -3.32 |

*!=warning CCB=instrument blank*

ENTHALPY CONTINUING CALIBRATION FOR 497480 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419129 | File: | met06_master011 | Time: | 11-DEC-2023 18:20 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19393, S14463 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0228 | 0.0323 | 1.000 | 1.041 | mg/l | 4 | 10 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 30520300 | -3.68 |
| Yttrium | A | 1263590 | 1307850 | 3.50 |
| Yttrium | R | 683754 | 672284 | -1.68 |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419130 | File: | met06_master011 | Time: | 11-DEC-2023 18:23 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | ND | 0.003333 | --- | mg/l | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31903200 | 0.68 |
| Yttrium | A | 1263590 | 1358540 | 7.51 |
| Yttrium | R | 683754 | 681228 | -0.37 |

ENTHALPY CONTINUING CALIBRATION FOR 497480 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419141 | File: | met06_master011 | Time: | 11-DEC-2023 18:59 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19393, S14463 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0228 | 0.0321 | 1.000 | 1.035 | mg/l | 3 | 10 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 30351300 | -4.22 |
| Yttrium | A | 1263590 | 1291570 | 2.21 |
| Yttrium | R | 683754 | 664714 | -2.78 |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419142 | File: | met06_master011 | Time: | 11-DEC-2023 19:02 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | ND | 0.003333 | --- | mg/l | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31407800 | -0.88 |
| Yttrium | A | 1263590 | 1322790 | 4.69 |
| Yttrium | R | 683754 | 670306 | -1.97 |

SAMPLE PREPARATION SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Batch #: | 328089 | Method: | 3050B | Analysis: | ICP |
| Started By: | TNN | Prep Date: | 10-DEC-2023 12:40 | Finished By: | TNN |

| Sample | Matrix | Initial | Final | Prep DF | pH | Spike S18799 | Spike S19373 | Analysis |
|---|---|---|---|---|---|---|---|---|
| 497480-003 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-005 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-007 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-009 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-011 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-012 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-014 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-016 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-017 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-019 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-021 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 497480-023 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| QC1112313 BLANK | Wipe | 1 ft2 | 50 mL | 50.0 | | | | ICP |
| QC1112314 BS | Wipe | 1 ft2 | 50 mL | 50.0 | | .5 mL | .5 mL | ICP |
| QC1112315 BSD | Wipe | 1 ft2 | 50 mL | 50.0 | | .5 mL | .5 mL | ICP |

**Analyst:** SBW 12/12/23

**Reviewer:** KLN 12/12/23

# ICP and ICP-MS Prep Log for Soil/Misc.

Initials: RPS/TMM Prep Method: (3050B) / 1420.2 / Other: _____

Prep Start, Date/Time: 12/10/23 12:40 Prep End, Date/Time: 12/10/23 14:35

QC Batch #: 328089 Therm ID/Corr Factor: 94650 / 0

HotBlock Temp (Obs/Cor), °C: 92 / 92

HotBlock ID: 3

| Sample ID | Bottle # | Sample pH (Water Only) | Sample Appearance | Initial Weight (g) | Bal. ID | Final Vol (mL) | Digestion Tube Lot# | Comment |
|---|---|---|---|---|---|---|---|---|
| Blank | ----- | ----- | ----- | | | | | |
| LCS / LCSD | ----- | ----- | ----- | | | | | |
| 497480-3 | A | | Wipe | 1.0000 | | 50 | | |
| -5 | ↓ | | ↓ | ↓ | | ↓ | | |
| -7 | | | | | | | | |
| RPS 12/9/23 ~~-9~~ 9 | | | | | | | | |
| -11 | | | | | | | | |
| -12 | | | | | | | | |
| -14 | | | | | | | | |
| -16 | | | | | | | | |
| -17 | | | | | | | | |
| -19 | | | | | | | | |
| -21 | | | | | | | | |
| -23 | | | | | | | | |

Hydrochloric Acid ID: 10 mL 24003683

Nitric Acid ID: 10 mL 20230309

$H_2O_2$ ID: 3 mL 227114

LCS Spike ID: 0.5mL 818799 / 819373

MS/MSD Spike ID: ↓

Gold Std ID: –

Ipy Analytical, Orange, Logbook # BK1234

**ICP Raw Data**

Enthalpy Sequence Summary for Sequence 483497419

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | met06_master011 | ICALBLK | CALBLANK | | | 12/11/23 10:19 | 1.0 | 1 | |
| 002 | met06_master011 | ICALBLK | CALBLANK | | | 12/11/23 10:24 | 1.0 | 1 | |
| 003 | met06_master011 | ICALBLK | CALBLANK | | | 12/11/23 10:28 | 1.0 | 1 | |
| 004 | met06_master011 | ICAL | L1 | | | 12/11/23 10:31 | 1.0 | 2 1 | |
| 005 | met06_master011 | ICAL | L2 | | | 12/11/23 10:35 | 1.0 | 3 1 | |
| 006 | met06_master011 | ICAL | L3 | | | 12/11/23 10:38 | 1.0 | 4 1 | |
| 007 | met06_master011 | ICAL | L4 | | | 12/11/23 10:41 | 1.0 | 5 1 | |
| 008 | met06_master011 | ICAL | L5 | | | 12/11/23 10:44 | 1.0 | 6 1 | |
| 009 | met06_master011 | ICAL | L6 | | | 12/11/23 10:48 | 1.0 | 7 1 | |
| 010 | met06_master011 | ICAL | L7 | | | 12/11/23 10:51 | 1.0 | 8 1 | |
| 011 | met06_master011 | ICAL | L8 | | | 12/11/23 10:54 | 1.0 | 9 1 | |
| 012 | met06_master011 | ICV | | | | 12/11/23 10:58 | 1.0 | 10 1 | |
| 013 | met06_master011 | CRI | | | | 12/11/23 11:01 | 1.0 | 11 1 | |
| 014 | met06_master011 | ICB | | | | 12/11/23 11:04 | 1.0 | 1 | |
| 015 | met06_master011 | ICSA | | | | 12/11/23 11:19 | 1.0 | 12 1 | 6:MGASMGCO3=1500 |
| 016 | met06_master011 | ICSAB | | | | 12/11/23 11:22 | 1.0 | 13 1 | 6:MGASMGCO3=1500 |
| 017 | met06_master011 | BLANK | QC1112237 | Soil | 328069 | 12/11/23 11:57 | 1.0 | 1 | |
| 018 | met06_master011 | LCS | QC1112238 | Soil | 328069 | 12/11/23 12:01 | 1.0 | 1 | |
| 019 | met06_master011 | MSS | 497381-001 | Soil | 328069 | 12/11/23 12:04 | 1.0 | 1 | 5:MGASMGCO3=350 |
| 020 | met06_master011 | MS | QC1112239 | Soil | 328069 | 12/11/23 12:07 | 1.0 | 1 | 5:MGASMGCO3=390 |
| 021 | met06_master011 | MSD | QC1112240 | Soil | 328069 | 12/11/23 12:11 | 1.0 | 1 | 5:MGASMGCO3=390 |
| 022 | met06_master011 | PDS | QC1112241 | Soil | 328069 | 12/11/23 12:14 | 1.0 | 1 | 4:FEASFE2O3=330 |
| 023 | met06_master011 | SAMPLE | 497427-001 | Soil | 328069 | 12/11/23 12:17 | 1.0 | 1 | 2:FE=210 |
| 024 | met06_master011 | SAMPLE | 497427-002 | Soil | 328069 | 12/11/23 12:20 | 1.0 | 1 | 3:FE=200 |
| 025 | met06_master011 | SAMPLE | 497427-003 | Soil | 328069 | 12/11/23 12:24 | 1.0 | 1 | 2:FE=190 |
| 026 | met06_master011 | SAMPLE | 497427-004 | Soil | 328069 | 12/11/23 12:27 | 1.0 | 1 | 2:FE=230 |
| 027 | met06_master011 | CCV | | | | 12/11/23 12:30 | 1.0 | 10 1 | |
| 028 | met06_master011 | CCB | | | | 12/11/23 12:34 | 1.0 | 1 | |
| 029 | met06_master011 | SAMPLE | 497427-005 | Soil | 328069 | 12/11/23 12:38 | 1.0 | 1 | 2:AL=240 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 030 | met06_master011 | SAMPLE | 497427-006 | Soil | 328069 | 12/11/23 12:41 | 1.0 | 1 | 2:FE=200 |
| 031 | met06_master011 | SAMPLE | 497427-007 | Soil | 328069 | 12/11/23 12:44 | 1.0 | 1 | 2:FE=220 |
| 032 | met06_master011 | BLANK | QC1112266 | Soil | 328077 | 12/11/23 12:48 | 1.0 | 1 | |
| 033 | met06_master011 | LCS | QC1112267 | Soil | 328077 | 12/11/23 12:51 | 1.0 | 1 | |
| 034 | met06_master011 | MSS | 497413-001 | Soil | 328077 | 12/11/23 12:54 | 1.0 | 1 | 7:CAASCACO3=320 |
| 035 | met06_master011 | MS | QC1112268 | Soil | 328077 | 12/11/23 12:57 | 1.0 | 1 | 7:CAASCACO3=360 |
| 036 | met06_master011 | MSD | QC1112269 | Soil | 328077 | 12/11/23 13:01 | 1.0 | 1 | 7:CAASCACO3=280 |
| 037 | met06_master011 | PDS | QC1112270 | Soil | 328077 | 12/11/23 13:04 | 1.0 | 1 | 7:CAASCACO3=310 |
| 038 | met06_master011 | SAMPLE | 497426-005 | Soil | 328077 | 12/11/23 13:07 | 1.0 | 1 | 2:FE=220 |
| 039 | met06_master011 | CCV | | | | 12/11/23 13:10 | 1.0 | 10 1 | |
| 040 | met06_master011 | CCB | | | | 12/11/23 13:14 | 1.0 | 1 | |
| 041 | met06_master011 | SAMPLE | 496845-001 | Water | 327575 | 12/11/23 13:17 | 10.0 | 1 | |
| 042 | met06_master011 | X | | TCLP Leachate | 328136 | 12/11/23 13:20 | 1.0 | 1 | |
| 043 | met06_master011 | BLANK | QC1112448 | TCLP Leachate | 328136 | 12/11/23 13:23 | 1.0 | 1 | 1:NA=1400 |
| 044 | met06_master011 | LCS | QC1112449 | TCLP Leachate | 328136 | 12/11/23 13:28 | 1.0 | 1 | 1:NA=1300 |
| 045 | met06_master011 | MSS | 496361-023 | TCLP Leachate | 328136 | 12/11/23 13:32 | 1.0 | 1 | 2:CAASCACO3=1500 |
| 046 | met06_master011 | MS | QC1112450 | TCLP Leachate | 328136 | 12/11/23 13:35 | 1.0 | 1 | 2:CAASCACO3=1400 |
| 047 | met06_master011 | CCV | | | | 12/11/23 13:38 | 1.0 | 10 1 | |
| 048 | met06_master011 | CCB | | | | 12/11/23 13:41 | 1.0 | 1 | |
| 049 | met06_master011 | SAMPLE | 496928-001 | TCLP Leachate | 328136 | 12/11/23 13:45 | 1.0 | 1 | 2:NA=1400 |
| 050 | met06_master011 | MSD | QC1112451 | TCLP Leachate | 328136 | 12/11/23 13:50 | 1.0 | 1 | 2:CAASCACO3=1500 |
| 051 | met06_master011 | BLANK | QC1112266 | Soil | 328077 | 12/11/23 13:54 | 1.0 | 1 | |
| 052 | met06_master011 | MSS | 497413-001 | Soil | 328077 | 12/11/23 13:57 | 10.0 | 1 | 2:FEASFE2O3=33 |
| 053 | met06_master011 | MS | QC1112268 | Soil | 328077 | 12/11/23 14:00 | 10.0 | 1 | 2:FEASFE2O3=33 |
| 054 | met06_master011 | MSD | QC1112269 | Soil | 328077 | 12/11/23 14:03 | 10.0 | 1 | 1:FE=20 |
| 055 | met06_master011 | PDS | QC1112270 | Soil | 328077 | 12/11/23 14:06 | 10.0 | 1 | 2:FEASFE2O3=33 |
| 056 | met06_master011 | CCV | | | | 12/11/23 14:10 | 1.0 | 10 1 | |
| 057 | met06_master011 | CCB | | | | 12/11/23 14:13 | 1.0 | 1 | |
| 058 | met06_master011 | SAMPLE | 497381-002 | Soil | 328069 | 12/11/23 14:16 | 1.0 | 1 | 2:FE=230 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 059 | met06_master011 | SAMPLE | 497381-003 | Soil | 328069 | 12/11/23 14:19 | 1.0 | 1 | 2:FE=260 |
| 060 | met06_master011 | SAMPLE | 497381-004 | Soil | 328069 | 12/11/23 14:23 | 1.0 | 1 | 2:FE=260 |
| 061 | met06_master011 | BLANK | QC1112513 | Water | 328160 | 12/11/23 14:26 | 1.0 | 1 | |
| 062 | met06_master011 | LCS | QC1112514 | Water | 328160 | 12/11/23 14:30 | 1.0 | 1 | |
| 063 | met06_master011 | MSS | 496817-002 | Filtrate | 328160 | 12/11/23 14:33 | 1.0 | 1 | 3:MGASMGCO3=1600 |
| 064 | met06_master011 | MS | QC1112515 | Filtrate | 328160 | 12/11/23 14:36 | 1.0 | 1 | 3:MGASMGCO3=1600 |
| 065 | met06_master011 | MSD | QC1112516 | Filtrate | 328160 | 12/11/23 14:39 | 1.0 | 1 | 3:MGASMGCO3=1600 |
| 066 | met06_master011 | CCV | | | | 12/11/23 14:43 | 1.0 | 10 1 | |
| 067 | met06_master011 | CCB | | | | 12/11/23 14:46 | 1.0 | 1 | |
| 068 | met06_master011 | SAMPLE | 497507-001 | Water | 328160 | 12/11/23 14:49 | 1.0 | 1 | |
| 069 | met06_master011 | SAMPLE | 497508-001 | Water | 328160 | 12/11/23 14:52 | 1.0 | 1 | |
| 070 | met06_master011 | SAMPLE | 497509-001 | Water | 328160 | 12/11/23 14:56 | 1.0 | 1 | |
| 071 | met06_master011 | SAMPLE | 497381-005 | Soil | 328069 | 12/11/23 14:59 | 1.0 | 1 | 2:FE=250 |
| 072 | met06_master011 | SAMPLE | 497381-006 | Soil | 328069 | 12/11/23 15:02 | 1.0 | 1 | 2:FE=260 |
| 073 | met06_master011 | SAMPLE | 497381-007 | Soil | 328069 | 12/11/23 15:05 | 1.0 | 1 | 2:FE=220 |
| 074 | met06_master011 | SAMPLE | 497381-008 | Soil | 328069 | 12/11/23 15:09 | 1.0 | 1 | 3:FE=330 |
| 075 | met06_master011 | SAMPLE | 497381-009 | Soil | 328069 | 12/11/23 15:12 | 1.0 | 1 | 3:FE=180 |
| 076 | met06_master011 | SAMPLE | 497381-010 | Soil | 328069 | 12/11/23 15:15 | 1.0 | 1 | 3:FE=170 |
| 077 | met06_master011 | SAMPLE | 497381-011 | Soil | 328069 | 12/11/23 15:18 | 1.0 | 1 | 2:FE=240 |
| 078 | met06_master011 | CCV | | | | 12/11/23 15:22 | 1.0 | 10 1 | |
| 079 | met06_master011 | CCB | | | | 12/11/23 15:25 | 1.0 | 1 | |
| 080 | met06_master011 | SAMPLE | 496361-024 | Soil | 328077 | 12/11/23 15:28 | 1.0 | 1 | 3:FE=220 |
| 081 | met06_master011 | SAMPLE | 497380-001 | Soil | 328077 | 12/11/23 15:31 | 1.0 | 1 | 2:FE=200 |
| 082 | met06_master011 | SAMPLE | 497438-004 | Soil | 328077 | 12/11/23 15:35 | 1.0 | 1 | 2:FE=200 |
| 083 | met06_master011 | SAMPLE | 497441-004 | Soil | 328077 | 12/11/23 15:38 | 1.0 | 1 | 2:FE=280 |
| 084 | met06_master011 | SAMPLE | 497443-003 | Soil | 328077 | 12/11/23 15:41 | 1.0 | 1 | 2:FE=200 |
| 085 | met06_master011 | SAMPLE | 497444-001 | Soil | 328077 | 12/11/23 15:44 | 1.0 | 1 | 2:FE=150 |
| 086 | met06_master011 | SAMPLE | 497445-001 | Soil | 328077 | 12/11/23 15:48 | 1.0 | 1 | 2:FE=250 |
| 087 | met06_master011 | SAMPLE | 497448-003 | Soil | 328077 | 12/11/23 15:51 | 1.0 | 1 | 2:FE=220 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 088 | met06_master011 | SAMPLE | 497450-003 | Soil | 328077 | 12/11/23 15:54 | 1.0 | 1 | 2:FE=240 |
| 089 | met06_master011 | SAMPLE | 497451-003 | Soil | 328077 | 12/11/23 15:57 | 1.0 | 1 | 2:FE=250 |
| 090 | met06_master011 | CCV | | | | 12/11/23 16:01 | 1.0 | 10 1 | |
| 091 | met06_master011 | CCB | | | | 12/11/23 16:04 | 1.0 | 1 | |
| 092 | met06_master011 | SAMPLE | 497452-004 | Soil | 328077 | 12/11/23 16:07 | 1.0 | 1 | 2:FE=240 |
| 093 | met06_master011 | SAMPLE | 497453-003 | Soil | 328077 | 12/11/23 16:10 | 1.0 | 1 | 2:FE=240 |
| 094 | met06_master011 | SAMPLE | 497455-001 | Soil | 328077 | 12/11/23 16:14 | 1.0 | 1 | 2:FE=250 |
| 095 | met06_master011 | SAMPLE | 497456-001 | Soil | 328077 | 12/11/23 16:17 | 1.0 | 1 | 2:FE=240 |
| 096 | met06_master011 | SAMPLE | 497457-001 | Soil | 328077 | 12/11/23 16:20 | 1.0 | 1 | 2:FE=230 |
| 097 | met06_master011 | BLANK | QC1112055 | Water | 328010 | 12/11/23 16:23 | 1.0 | 1 | |
| 098 | met06_master011 | LCS | QC1112056 | Water | 328010 | 12/11/23 16:27 | 1.0 | 1 | |
| 099 | met06_master011 | SAMPLE | 497364-001 | Water | 328010 | 12/11/23 16:30 | 5.0 | 1 | |
| 100 | met06_master011 | SAMPLE | 497364-002 | Water | 328010 | 12/11/23 16:33 | 50.0 | 1 | |
| 101 | met06_master011 | SAMPLE | 497364-003 | Water | 328010 | 12/11/23 16:36 | 50.0 | 1 | |
| 102 | met06_master011 | CCV | | | | 12/11/23 16:40 | 1.0 | 10 1 | |
| 103 | met06_master011 | CCB | | | | 12/11/23 16:43 | 1.0 | 1 | |
| 104 | met06_master011 | SAMPLE | 497364-004 | Water | 328010 | 12/11/23 16:46 | 5.0 | 1 | |
| 105 | met06_master011 | SAMPLE | 497364-005 | Water | 328010 | 12/11/23 16:49 | 50.0 | 1 | |
| 106 | met06_master011 | MSS | 497372-001 | Water | 328010 | 12/11/23 16:52 | 50.0 | 1 | |
| 107 | met06_master011 | MS | QC1112057 | Water | 328010 | 12/11/23 16:56 | 50.0 | 1 | |
| 108 | met06_master011 | MSD | QC1112058 | Water | 328010 | 12/11/23 16:59 | 50.0 | 1 | |
| 109 | met06_master011 | CCV | | | | 12/11/23 17:02 | 1.0 | 10 1 | |
| 110 | met06_master011 | CCB | | | | 12/11/23 17:05 | 1.0 | 1 | |
| 111 | met06_master011 | BLANK | QC1112173 | WET DI Leachate | 328047 | 12/11/23 17:12 | 1.0 | 1 | |
| 112 | met06_master011 | BS | QC1112174 | WET DI Leachate | 328047 | 12/11/23 17:15 | 1.0 | 1 | |
| 113 | met06_master011 | BSD | QC1112175 | WET DI Leachate | 328047 | 12/11/23 17:18 | 1.0 | 1 | |
| 114 | met06_master011 | SAMPLE | 497268-006 | WET DI Leachate | 328047 | 12/11/23 17:21 | 1.0 | 1 | |
| 115 | met06_master011 | SAMPLE | 497268-007 | WET DI Leachate | 328047 | 12/11/23 17:24 | 1.0 | 1 | |
| 116 | met06_master011 | SAMPLE | 497268-008 | WET DI Leachate | 328047 | 12/11/23 17:28 | 1.0 | 1 | |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 117 | met06_master011 | CCV | | | | 12/11/23 17:41 | 1.0 | 10 1 | |
| 118 | met06_master011 | CCB | | | | 12/11/23 17:44 | 1.0 | 1 | |
| 119 | met06_master011 | SAMPLE | 497268-009 | WET DI Leachate | 328047 | 12/11/23 17:47 | 1.0 | 1 | |
| 120 | met06_master011 | SAMPLE | 497268-010 | WET DI Leachate | 328047 | 12/11/23 17:51 | 1.0 | 1 | |
| 121 | met06_master011 | BLANK | QC1112313 | Wipe | 328089 | 12/11/23 17:54 | 1.0 | 1 | |
| 122 | met06_master011 | BS | QC1112314 | Wipe | 328089 | 12/11/23 17:57 | 1.0 | 1 | |
| 123 | met06_master011 | BSD | QC1112315 | Wipe | 328089 | 12/11/23 18:00 | 1.0 | 1 | |
| 124 | met06_master011 | SAMPLE | 497480-003 | Wipe | 328089 | 12/11/23 18:04 | 1.0 | 1 | 1:ZN=68 |
| 125 | met06_master011 | SAMPLE | 497480-005 | Wipe | 328089 | 12/11/23 18:07 | 1.0 | 1 | 1:FE=45 |
| 126 | met06_master011 | SAMPLE | 497480-007 | Wipe | 328089 | 12/11/23 18:10 | 1.0 | 1 | 2:FE=49 |
| 127 | met06_master011 | SAMPLE | 497480-009 | Wipe | 328089 | 12/11/23 18:13 | 1.0 | 1 | 2:FE=55 |
| 128 | met06_master011 | SAMPLE | 497480-011 | Wipe | 328089 | 12/11/23 18:16 | 1.0 | 1 | 1:FE=55 |
| 129 | met06_master011 | CCV | | | | 12/11/23 18:20 | 1.0 | 10 1 | |
| 130 | met06_master011 | CCB | | | | 12/11/23 18:23 | 1.0 | 1 | |
| 131 | met06_master011 | SAMPLE | 497480-012 | Wipe | 328089 | 12/11/23 18:26 | 1.0 | 1 | 1:FE=47 |
| 132 | met06_master011 | SAMPLE | 497480-014 | Wipe | 328089 | 12/11/23 18:29 | 1.0 | 1 | 1:FE=34 |
| 133 | met06_master011 | SAMPLE | 497480-016 | Wipe | 328089 | 12/11/23 18:33 | 1.0 | 1 | 2:ZN=37 |
| 134 | met06_master011 | SAMPLE | 497480-017 | Wipe | 328089 | 12/11/23 18:36 | 1.0 | 1 | 1:FE=28 |
| 135 | met06_master011 | SAMPLE | 497480-019 | Wipe | 328089 | 12/11/23 18:39 | 1.0 | 1 | 2:FE=90 |
| 136 | met06_master011 | SAMPLE | 497480-021 | Wipe | 328089 | 12/11/23 18:42 | 1.0 | 1 | 2:FE=38 |
| 137 | met06_master011 | SAMPLE | 497480-023 | Wipe | 328089 | 12/11/23 18:46 | 1.0 | 1 | 1:FE=69 |
| 138 | met06_master011 | BLANK | QC1112209 | Soil | 328059 | 12/11/23 18:49 | 1.0 | 1 | |
| 139 | met06_master011 | BS | QC1112210 | Soil | 328059 | 12/11/23 18:52 | 1.0 | 1 | |
| 140 | met06_master011 | BSD | QC1112211 | Soil | 328059 | 12/11/23 18:55 | 1.0 | 1 | |
| 141 | met06_master011 | CCV | | | | 12/11/23 18:59 | 1.0 | 10 1 | |
| 142 | met06_master011 | CCB | | | | 12/11/23 19:02 | 1.0 | 1 | |
| 143 | met06_master011 | SAMPLE | 495875-051 | Soil | 328059 | 12/11/23 19:05 | 1.0 | 1 | 3:CA=5500 |
| 144 | met06_master011 | SAMPLE | 495875-052 | Soil | 328059 | 12/11/23 19:08 | 1.0 | 1 | 3:CA=6000 |
| 145 | met06_master011 | SAMPLE | 495875-053 | Soil | 328059 | 12/11/23 19:12 | 1.0 | 1 | 4:CA=2900 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 146 | met06_master011 | SAMPLE | 495875-054 | Soil | 328059 | 12/11/23 19:15 | 1.0 | 1 | 5:CA=3900 |
| 147 | met06_master011 | SAMPLE | 495875-055 | Soil | 328059 | 12/11/23 19:18 | 1.0 | 1 | 4:CA=3900 |
| 148 | met06_master011 | SAMPLE | 495875-056 | Soil | 328059 | 12/11/23 19:21 | 1.0 | 1 | 5:CA=2100 |
| 149 | met06_master011 | SAMPLE | 495875-057 | Soil | 328059 | 12/11/23 19:24 | 1.0 | 1 | 5:CA=3200 |
| 150 | met06_master011 | SAMPLE | 495875-058 | Soil | 328059 | 12/11/23 19:28 | 1.0 | 1 | 5:CA=3200 |
| 151 | met06_master011 | SAMPLE | 495875-059 | Soil | 328059 | 12/11/23 19:31 | 1.0 | 1 | 5:CA=2300 |
| 152 | met06_master011 | SAMPLE | 495875-060 | Soil | 328059 | 12/11/23 19:34 | 1.0 | 1 | 5:CA=2700 |
| 153 | met06_master011 | CCV | | | | 12/11/23 19:37 | 1.0 | 10 1 | |
| 154 | met06_master011 | CCB | | | | 12/11/23 19:41 | 1.0 | 1 | |
| 155 | met06_master011 | SAMPLE | 495875-061 | Soil | 328059 | 12/11/23 19:44 | 1.0 | 1 | 5:CA=2800 |
| 156 | met06_master011 | SAMPLE | 495875-062 | Soil | 328059 | 12/11/23 19:47 | 1.0 | 1 | 5:CA=2300 |
| 157 | met06_master011 | SAMPLE | 495875-063 | Soil | 328059 | 12/11/23 19:50 | 1.0 | 1 | 5:CA=2400 |
| 158 | met06_master011 | SAMPLE | 495875-064 | Soil | 328059 | 12/11/23 19:54 | 1.0 | 1 | 5:CA=2500 |
| 159 | met06_master011 | BLANK | QC1112510 | Air | 328158 | 12/11/23 19:57 | 1.0 | 1 | |
| 160 | met06_master011 | BS | QC1112511 | Air | 328158 | 12/11/23 20:00 | 1.0 | 1 | |
| 161 | met06_master011 | BSD | QC1112512 | Air | 328158 | 12/11/23 20:03 | 1.0 | 1 | |
| 162 | met06_master011 | SAMPLE | 497571-001 | Air | 328158 | 12/11/23 20:07 | 1.0 | 1 | |
| 163 | met06_master011 | SAMPLE | 497571-002 | Air | 328158 | 12/11/23 20:10 | 1.0 | 1 | |
| 164 | met06_master011 | SAMPLE | 497571-004 | Air | 328158 | 12/11/23 20:13 | 1.0 | 1 | |
| 165 | met06_master011 | CCV | | | | 12/11/23 20:16 | 1.0 | 10 1 | |
| 166 | met06_master011 | CCB | | | | 12/11/23 20:20 | 1.0 | 1 | |
| 167 | met06_master011 | BLANK | QC1112304 | Wipe | 328086 | 12/11/23 20:23 | 1.0 | 1 | |
| 168 | met06_master011 | BS | QC1112305 | Wipe | 328086 | 12/11/23 20:26 | 1.0 | 1 | |
| 169 | met06_master011 | BSD | QC1112306 | Wipe | 328086 | 12/11/23 20:29 | 1.0 | 1 | |
| 170 | met06_master011 | SAMPLE | 497531-001 | Wipe | 328086 | 12/11/23 20:32 | 1.0 | 1 | 2:ZN=110 |
| 171 | met06_master011 | SAMPLE | 497531-002 | Wipe | 328086 | 12/11/23 20:36 | 1.0 | 1 | 1:FE=60 |
| 172 | met06_master011 | SAMPLE | 497531-003 | Wipe | 328086 | 12/11/23 20:39 | 1.0 | 1 | 1:FE=68 |
| 173 | met06_master011 | SAMPLE | 497531-004 | Wipe | 328086 | 12/11/23 20:42 | 1.0 | 1 | 1:FE=35 |
| 174 | met06_master011 | SAMPLE | 497531-005 | Wipe | 328086 | 12/11/23 20:45 | 1.0 | 1 | 2:FE=49 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 175 | met06_master011 | SAMPLE | 497531-006 | Wipe | 328086 | 12/11/23 20:49 | 1.0 | 1 | 1:FE=120 |
| 176 | met06_master011 | SAMPLE | 497531-007 | Wipe | 328086 | 12/11/23 20:52 | 1.0 | 1 | 2:ZN=34 |
| 177 | met06_master011 | CCV | | | | 12/11/23 20:55 | 1.0 | 10 1 | |
| 178 | met06_master011 | CCB | | | | 12/11/23 20:58 | 1.0 | 1 | |
| 179 | met06_master011 | SAMPLE | 497531-008 | Wipe | 328086 | 12/11/23 21:02 | 1.0 | 1 | |
| 180 | met06_master011 | SAMPLE | 497531-009 | Wipe | 328086 | 12/11/23 21:05 | 1.0 | 1 | 1:FE=50 |
| 181 | met06_master011 | SAMPLE | 497531-010 | Wipe | 328086 | 12/11/23 21:08 | 1.0 | 1 | |
| 182 | met06_master011 | SAMPLE | 497531-011 | Wipe | 328086 | 12/11/23 21:11 | 1.0 | 1 | |
| 183 | met06_master011 | SAMPLE | 497531-012 | Wipe | 328086 | 12/11/23 21:15 | 1.0 | 1 | |
| 184 | met06_master011 | SAMPLE | 497531-013 | Wipe | 328086 | 12/11/23 21:18 | 1.0 | 1 | |
| 185 | met06_master011 | SAMPLE | 497531-014 | Wipe | 328086 | 12/11/23 21:21 | 1.0 | 1 | 2:ZN=110 |
| 186 | met06_master011 | SAMPLE | 497531-015 | Wipe | 328086 | 12/11/23 21:24 | 1.0 | 1 | 1:FE=24 |
| 187 | met06_master011 | SAMPLE | 497531-016 | Wipe | 328086 | 12/11/23 21:28 | 1.0 | 1 | 1:FE=21 |
| 188 | met06_master011 | SAMPLE | 497531-017 | Wipe | 328086 | 12/11/23 21:31 | 1.0 | 1 | 1:FE=23 |
| 189 | met06_master011 | CCV | | | | 12/11/23 21:34 | 1.0 | 10 1 | |
| 190 | met06_master011 | CCB | | | | 12/11/23 21:37 | 1.0 | 1 | |
| 191 | met06_master011 | SAMPLE | 497531-018 | Wipe | 328086 | 12/11/23 21:41 | 1.0 | 1 | |
| 192 | met06_master011 | SAMPLE | 497531-019 | Wipe | 328086 | 12/11/23 21:44 | 1.0 | 1 | 2:ZN=150 |
| 193 | met06_master011 | SAMPLE | 497531-020 | Wipe | 328086 | 12/11/23 21:47 | 1.0 | 1 | 1:FE=19 |
| 194 | met06_master011 | BLANK | QC1112310 | Wipe | 328088 | 12/11/23 21:50 | 1.0 | 1 | |
| 195 | met06_master011 | BS | QC1112311 | Wipe | 328088 | 12/11/23 21:54 | 1.0 | 1 | |
| 196 | met06_master011 | BSD | QC1112312 | Wipe | 328088 | 12/11/23 21:57 | 1.0 | 1 | |
| 197 | met06_master011 | SAMPLE | 497531-021 | Wipe | 328088 | 12/11/23 22:00 | 1.0 | 1 | 1:FE=29 |
| 198 | met06_master011 | SAMPLE | 497531-022 | Wipe | 328088 | 12/11/23 22:03 | 1.0 | 1 | 2:ZN=290 |
| 199 | met06_master011 | SAMPLE | 497531-023 | Wipe | 328088 | 12/11/23 22:06 | 1.0 | 1 | 2:ZN=110 |
| 200 | met06_master011 | SAMPLE | 497531-024 | Wipe | 328088 | 12/11/23 22:10 | 1.0 | 1 | 1:FE=21 |
| 201 | met06_master011 | CCV | | | | 12/11/23 22:13 | 1.0 | 10 1 | |
| 202 | met06_master011 | CCB | | | | 12/11/23 22:16 | 1.0 | 1 | |
| 203 | met06_master011 | SAMPLE | 497531-025 | Wipe | 328088 | 12/11/23 22:19 | 1.0 | 1 | 2:ZN=47 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 204 | met06_master011 | SAMPLE | 497531-026 | Wipe | 328088 | 12/11/23 22:23 | 1.0 | 1 | 1:FE=23 |
| 205 | met06_master011 | SAMPLE | 497531-027 | Wipe | 328088 | 12/11/23 22:26 | 1.0 | 1 | 2:ZN=120 |
| 206 | met06_master011 | SAMPLE | 497531-028 | Wipe | 328088 | 12/11/23 22:29 | 1.0 | 1 | 2:ZN=58 |
| 207 | met06_master011 | SAMPLE | 497531-029 | Wipe | 328088 | 12/11/23 22:32 | 1.0 | 1 | 1:FE=26 |
| 208 | met06_master011 | SAMPLE | 497531-030 | Wipe | 328088 | 12/11/23 22:36 | 1.0 | 1 | 2:ZN=220 |
| 209 | met06_master011 | SAMPLE | 497531-031 | Wipe | 328088 | 12/11/23 22:39 | 1.0 | 1 | |
| 210 | met06_master011 | SAMPLE | 497531-032 | Wipe | 328088 | 12/11/23 22:42 | 1.0 | 1 | |
| 211 | met06_master011 | SAMPLE | 497531-033 | Wipe | 328088 | 12/11/23 22:45 | 1.0 | 1 | |
| 212 | met06_master011 | SAMPLE | 497531-034 | Wipe | 328088 | 12/11/23 22:49 | 1.0 | 1 | |
| 213 | met06_master011 | CCV | | | | 12/11/23 22:52 | 1.0 | 10 1 | |
| 214 | met06_master011 | CCB | | | | 12/11/23 22:55 | 1.0 | 1 | |
| 215 | met06_master011 | BLANK | QC1112271 | Soil | 328078 | 12/11/23 22:58 | 1.0 | 1 | |
| 216 | met06_master011 | LCS | QC1112272 | Soil | 328078 | 12/11/23 23:02 | 1.0 | 1 | |
| 217 | met06_master011 | MSS | 497556-001 | Soil | 328078 | 12/11/23 23:05 | 1.0 | 1 | 4:FEASFE2O3=130 |
| 218 | met06_master011 | MS | QC1112273 | Soil | 328078 | 12/11/23 23:08 | 1.0 | 1 | 4:ALASAL2O3=180 |
| 219 | met06_master011 | MSD | QC1112274 | Soil | 328078 | 12/11/23 23:11 | 1.0 | 1 | 4:ALASAL2O3=190 |
| 220 | met06_master011 | PDS | QC1112275 | Soil | 328078 | 12/11/23 23:15 | 1.0 | 1 | 4:FEASFE2O3=120 |
| 221 | met06_master011 | SAMPLE | 497556-002 | Soil | 328078 | 12/11/23 23:18 | 1.0 | 1 | 2:FE=120 |
| 222 | met06_master011 | SAMPLE | 497556-003 | Soil | 328078 | 12/11/23 23:21 | 1.0 | 1 | 2:FE=110 |
| 223 | met06_master011 | SAMPLE | 497556-004 | Soil | 328078 | 12/11/23 23:24 | 1.0 | 1 | 2:AL=100 |
| 224 | met06_master011 | SAMPLE | 497556-005 | Soil | 328078 | 12/11/23 23:28 | 1.0 | 1 | 2:FE=110 |
| 225 | met06_master011 | CCV | | | | 12/11/23 23:31 | 1.0 | 10 1 | |
| 226 | met06_master011 | CCB | | | | 12/11/23 23:34 | 1.0 | 1 | |
| 227 | met06_master011 | SAMPLE | 497556-006 | Soil | 328078 | 12/11/23 23:37 | 1.0 | 1 | 2:FE=110 |
| 228 | met06_master011 | SAMPLE | 497556-007 | Soil | 328078 | 12/11/23 23:41 | 1.0 | 1 | 2:FE=82 |
| 229 | met06_master011 | SAMPLE | 497556-008 | Soil | 328078 | 12/11/23 23:44 | 1.0 | 1 | 2:FE=89 |
| 230 | met06_master011 | SAMPLE | 497556-009 | Soil | 328078 | 12/11/23 23:47 | 1.0 | 1 | 2:FE=100 |
| 231 | met06_master011 | SAMPLE | 497556-010 | Soil | 328078 | 12/11/23 23:50 | 1.0 | 1 | 2:FE=120 |
| 232 | met06_master011 | SAMPLE | 497556-011 | Soil | 328078 | 12/11/23 23:54 | 1.0 | 1 | 2:FE=130 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 233 | met06_master011 | SAMPLE | 497556-012 | Soil | 328078 | 12/11/23 23:57 | 1.0 | 1 | 2:FE=76 |
| 234 | met06_master011 | BLANK | QC1112408 | WET Leachate | 328049 | 12/12/23 00:00 | 1.0 | 1 | |
| 235 | met06_master011 | BS | QC1112409 | WET Leachate | 328049 | 12/12/23 00:03 | 1.0 | 1 | |
| 236 | met06_master011 | BSD | QC1112410 | WET Leachate | 328049 | 12/12/23 00:07 | 1.0 | 1 | |
| 237 | met06_master011 | CCV | | | | 12/12/23 00:10 | 1.0 | 10 1 | |
| 238 | met06_master011 | CCB | | | | 12/12/23 00:13 | 1.0 | 1 | |
| 239 | met06_master011 | SAMPLE | 496361-019 | WET Leachate | 328049 | 12/12/23 00:16 | 1.0 | 1 | |
| 240 | met06_master011 | SAMPLE | 496361-023 | WET Leachate | 328049 | 12/12/23 00:20 | 1.0 | 1 | |
| 241 | met06_master011 | SAMPLE | 496745-001 | WET Leachate | 328049 | 12/12/23 00:23 | 1.0 | 1 | |
| 242 | met06_master011 | SAMPLE | 496746-001 | WET Leachate | 328049 | 12/12/23 00:26 | 1.0 | 1 | |
| 243 | met06_master011 | SAMPLE | 496870-001 | WET Leachate | 328049 | 12/12/23 00:29 | 1.0 | 1 | |
| 244 | met06_master011 | SAMPLE | 496931-001 | WET Leachate | 328049 | 12/12/23 00:33 | 1.0 | 1 | 1:FE=35 |
| 245 | met06_master011 | SAMPLE | 497176-001 | WET Leachate | 328049 | 12/12/23 00:36 | 1.0 | 1 | |
| 246 | met06_master011 | SAMPLE | 497510-001 | WET Leachate | 328049 | 12/12/23 00:39 | 1.0 | 1 | |
| 247 | met06_master011 | SAMPLE | 497510-002 | WET Leachate | 328049 | 12/12/23 00:42 | 1.0 | 1 | |
| 248 | met06_master011 | BLANK | QC1112381 | Soil | 328105 | 12/12/23 00:45 | 1.0 | 1 | |
| 249 | met06_master011 | CCV | | | | 12/12/23 00:49 | 1.0 | 10 1 | |
| 250 | met06_master011 | CCB | | | | 12/12/23 00:52 | 1.0 | 1 | |
| 251 | met06_master011 | LCS | QC1112382 | Soil | 328105 | 12/12/23 00:55 | 1.0 | 1 | |
| 252 | met06_master011 | SAMPLE | 497496-005 | Soil | 328105 | 12/12/23 00:58 | 1.0 | 1 | 3:FE=320 |
| 253 | met06_master011 | SAMPLE | 497496-010 | Soil | 328105 | 12/12/23 01:02 | 1.0 | 1 | 2:FE=190 |
| 254 | met06_master011 | SAMPLE | 497498-005 | Soil | 328105 | 12/12/23 01:05 | 1.0 | 1 | 2:FE=190 |
| 255 | met06_master011 | SAMPLE | 497503-001 | Soil | 328105 | 12/12/23 01:08 | 1.0 | 1 | 2:FE=110 |
| 256 | met06_master011 | SAMPLE | 497503-002 | Soil | 328105 | 12/12/23 01:11 | 1.0 | 1 | 2:FE=170 |
| 257 | met06_master011 | SAMPLE | 497504-005 | Soil | 328105 | 12/12/23 01:15 | 1.0 | 1 | 2:AL=83 |
| 258 | met06_master011 | MSS | 497554-001 | Soil | 328105 | 12/12/23 01:18 | 1.0 | 1 | 5:FEASFE2O3=260 |
| 259 | met06_master011 | MS | QC1112383 | Soil | 328105 | 12/12/23 01:21 | 1.0 | 1 | 5:ALASAL2O3=320 |
| 260 | met06_master011 | MSD | QC1112384 | Soil | 328105 | 12/12/23 01:24 | 1.0 | 1 | 5:ALASAL2O3=290 |
| 261 | met06_master011 | CCV | | | | 12/12/23 01:27 | 1.0 | 10 1 | |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 262 | met06_master011 | CCB | | | | 12/12/23 01:31 | 1.0 | 1 | |
| 263 | met06_master011 | PDS | QC1112385 | Soil | 328105 | 12/12/23 01:34 | 1.0 | 1 | 5:FEASFE2O3=260 |
| 264 | met06_master011 | SAMPLE | 497554-002 | Soil | 328105 | 12/12/23 01:37 | 1.0 | 1 | 3:FE=210 |
| 265 | met06_master011 | SAMPLE | 497554-003 | Soil | 328105 | 12/12/23 01:40 | 1.0 | 1 | 2:FE=180 |
| 266 | met06_master011 | SAMPLE | 497554-004 | Soil | 328105 | 12/12/23 01:44 | 1.0 | 1 | 2:AL=170 |
| 267 | met06_master011 | SAMPLE | 497554-005 | Soil | 328105 | 12/12/23 01:47 | 1.0 | 1 | 2:FE=160 |
| 268 | met06_master011 | CCV | | | | 12/12/23 01:50 | 1.0 | 10 1 | |
| 269 | met06_master011 | CCB | | | | 12/12/23 01:53 | 1.0 | 1 | |
| 270 | met06_master011 | SAMPLE | 497554-010 | Soil | 328105 | 12/12/23 01:57 | 1.0 | 1 | 2:FE=98 |
| 271 | met06_master011 | BLANK | QC1112151 | Water | 328042 | 12/12/23 02:00 | 1.0 | 1 | |
| 272 | met06_master011 | LCS | QC1112152 | Water | 328042 | 12/12/23 02:03 | 1.0 | 1 | |
| 273 | met06_master011 | MSS | 497369-001 | Water | 328042 | 12/12/23 02:06 | 1.0 | 1 | 1:MGASMGCO3=450 |
| 274 | met06_master011 | MS | QC1112153 | Water | 328042 | 12/12/23 02:10 | 1.0 | 1 | 1:MGASMGCO3=510 |
| 275 | met06_master011 | MSD | QC1112154 | Water | 328042 | 12/12/23 02:13 | 1.0 | 1 | 1:MGASMGCO3=510 |
| 276 | met06_master011 | SAMPLE | 497369-003 | Water | 328042 | 12/12/23 02:16 | 1.0 | 1 | |
| 277 | met06_master011 | SAMPLE | 497369-004 | Water | 328042 | 12/12/23 02:19 | 1.0 | 1 | |
| 278 | met06_master011 | SAMPLE | 497370-001 | Water | 328042 | 12/12/23 02:22 | 1.0 | 1 | |
| 279 | met06_master011 | SAMPLE | 497370-002 | Water | 328042 | 12/12/23 02:26 | 1.0 | 1 | |
| 280 | met06_master011 | CCV | | | | 12/12/23 02:29 | 1.0 | 10 1 | |
| 281 | met06_master011 | CCB | | | | 12/12/23 02:32 | 1.0 | 1 | |
| 282 | met06_master011 | SAMPLE | 497370-003 | Water | 328042 | 12/12/23 02:35 | 1.0 | 1 | |
| 283 | met06_master011 | SAMPLE | 497370-004 | Water | 328042 | 12/12/23 02:39 | 1.0 | 1 | |
| 284 | met06_master011 | SAMPLE | 497370-005 | Water | 328042 | 12/12/23 02:42 | 1.0 | 1 | |
| 285 | met06_master011 | SAMPLE | 497384-001 | Water | 328042 | 12/12/23 02:45 | 1.0 | 1 | |
| 286 | met06_master011 | SAMPLE | 497385-001 | Water | 328042 | 12/12/23 02:48 | 1.0 | 1 | |
| 287 | met06_master011 | SAMPLE | 497386-001 | Water | 328042 | 12/12/23 02:52 | 1.0 | 1 | |
| 288 | met06_master011 | BLANK | QC1112596 | Soil | 328181 | 12/12/23 02:55 | 1.0 | 1 | |
| 289 | met06_master011 | LCS | QC1112597 | Soil | 328181 | 12/12/23 02:58 | 1.0 | 1 | |
| 290 | met06_master011 | SAMPLE | 497413-001 | Soil | 328181 | 12/12/23 03:01 | 1.0 | 1 | 4:FE=200 |

Instrument: MET06 Begun: 12/11/23 10:19
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 291 | met06_master011 | SAMPLE | 497426-005 | Soil | 328181 | 12/12/23 03:05 | 1.0 | 1 | 2:FE=200 |
| 292 | met06_master011 | CCV | | | | 12/12/23 03:08 | 1.0 | 10 1 | |
| 293 | met06_master011 | CCB | | | | 12/12/23 03:11 | 1.0 | 1 | |
| 294 | met06_master011 | MSS | 497479-005 | Soil | 328181 | 12/12/23 03:14 | 1.0 | 1 | 4:FEASFE2O3=400 |
| 295 | met06_master011 | MS | QC1112598 | Soil | 328181 | 12/12/23 03:18 | 1.0 | 1 | 4:FEASFE2O3=430 |
| 296 | met06_master011 | MSD | QC1112599 | Soil | 328181 | 12/12/23 03:21 | 1.0 | 1 | 4:ALASAL2O3=410 |
| 297 | met06_master011 | PDS | QC1112600 | Soil | 328181 | 12/12/23 03:24 | 1.0 | 1 | 4:FEASFE2O3=400 |
| 298 | met06_master011 | SAMPLE | 497499-001 | Soil | 328181 | 12/12/23 03:27 | 1.0 | 1 | 2:FE=110 |
| 299 | met06_master011 | SAMPLE | 497500-001 | Soil | 328181 | 12/12/23 03:31 | 1.0 | 1 | 2:FE=140 |
| 300 | met06_master011 | SAMPLE | 497506-006 | Soil | 328181 | 12/12/23 03:34 | 1.0 | 1 | 2:FE=69 |
| 301 | met06_master011 | SAMPLE | 497579-001 | Miscell. | 328181 | 12/12/23 03:37 | 1.0 | 1 | 3:FE=180 |
| 302 | met06_master011 | SAMPLE | 497602-007 | Soil | 328181 | 12/12/23 03:40 | 1.0 | 1 | 3:FE=160 |
| 303 | met06_master011 | SAMPLE | 497602-008 | Soil | 328181 | 12/12/23 03:44 | 1.0 | 1 | 3:FE=170 |
| 304 | met06_master011 | CCV | | | | 12/12/23 03:47 | 1.0 | 10 1 | |
| 305 | met06_master011 | CCB | | | | 12/12/23 03:50 | 1.0 | 1 | |
| 306 | met06_master011 | SAMPLE | 497602-009 | Soil | 328181 | 12/12/23 03:53 | 1.0 | 1 | 3:FE=150 |
| 307 | met06_master011 | SAMPLE | 497604-001 | Miscell. | 328181 | 12/12/23 03:57 | 1.0 | 1 | 3:FE=180 |
| 308 | met06_master011 | SAMPLE | 497604-003 | Soil | 328181 | 12/12/23 04:00 | 1.0 | 1 | 3:FE=180 |
| 309 | met06_master011 | CCV | | | | 12/12/23 04:03 | 1.0 | 10 1 | |
| 310 | met06_master011 | CCB | | | | 12/12/23 04:06 | 1.0 | 1 | |

SBW 12/11/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 041.

SBW 12/12/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 042 through 310.

*Standards Used:*
*1=S14463 2=S19498 3=S19497 4=S19496 5=S19495 6=S19494 7=S19385 8=S19493 9=S19242 10=S19393 11=S19240 12=S19107 13=S19267*

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-003 | Client ID: | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-L-LA |
| Seqnum: | 483497419124 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:04 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 0.3914 | 20 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1194220 | -5.49 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-003,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:04:00 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 44338.4000000 | 14220.1000000 | 4896.62000000 | 8990.39000000 | 15202.2000000 | 109131 | 7713.93000000 |
| *Int RSD* | *0.44484239* | *0.50347396* | *1.24800373* | *0.08116811* | *1.15356330* | *0.60326580* | *0.63621397* |
| *Int SD* | *197.23600000* | *71.59450000* | *61.11000000* | *7.29733000* | *175.36700000* | *658.35000000* | *49.07710000* |
| RelInt Mean | 0.00002041 | 0.00596691 | -0.00045929 | 0.00177611 | 0.00644976 | 0.17354000 | 0.00060491 |
| *RelInt RSD* | *55.31206970* | *2.51698115* | *5.87923046* | *3.13169792* | *3.43321302* | *1.36948830* | *3.53264706* |
| *RelInt SD* | *0.00001129* | *0.00015019* | *0.00002700* | *0.00005562* | *0.00022143* | *0.00237661* | *0.00002137* |
| Conc Mean | <-0.00130971[mg/l] | 0.48631200[mg/l] | <-0.01883090[mg/l] | 0.01316640[mg/l] | 0.01720230[mg/l] | 8.74142000[mg/l] | 0.00270416[mg/l] |
| *Conc RSD* | *37.00727642* | *2.62524881* | *7.04135225* | *4.23257686* | *3.51168158* | *1.40814650* | *3.73269333* |
| *Conc SD* | *0.00048469[mg/l]* | *0.01276690[mg/l]* | *0.00132595[mg/l]* | *0.00055728[mg/l]* | *0.00060409[mg/l]* | *0.12309200[mg/l]* | *0.00010094[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 | 8992.20000000 | 125862 | 5584470 | 8458.69000000 | 18733.6000000 | 180945 | 5634.66000000 |
| *Int RSD* | *0.15369320* | *2.52304905* | *0.92416111* | *1.64330411* | *1.78499061* | *0.37951035* | *3.01219594* |
| *Int SD* | *13.82040000* | *3175.56000000* | *51609.5000000* | *139.00200000* | *334.39300000* | *686.70500000* | *169.72700000* |
| RelInt Mean | 0.00195910 | 0.00303418 | 4.70425000 | 0.00476228 | 0.01226380 | 0.14547000 | -0.00008250 |
| *RelInt RSD* | *1.31296003* | *3.31348173* | *0.22459903* | *3.17856153* | *2.75019977* | *0.68822438* | *211.09935307* |
| *RelInt SD* | *0.00002572* | *0.00010054* | *0.01056570* | *0.00015137* | *0.00033728* | *0.00100116* | *0.00017415* |
| Conc Mean | 0.01074920[mg/l] | 0.09308110[mg/l] | 14.72400000[mg/l] | 1.08767000[mg/l] | 2.94405000[mg/l] | 0.08703150[mg/l] | <-0.00091444[mg/l] |
| *Conc RSD* | *1.35566368* | *3.56123853* | *0.22453206* | *4.50088722* | *2.92778316* | *0.69073381* | *139.22352138* |
| *Conc SD* | *0.00014572[mg/l]* | *0.00331484[mg/l]* | *0.03306010[mg/l]* | *0.04895480[mg/l]* | *0.08619540[mg/l]* | *0.00060116[mg/l]* | *0.00127311[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 | 91398.7000000 | 13233.0000000 | 21810.7000000 | 6244.70000000 | 5155.25000000 | 7957.28000000 | 19248.7000000 |
| *Int RSD* | *0.23906795* | *0.53674526* | *1.16032039* | *1.41675501* | *0.41757432* | *0.43835079* | *0.99385933* |
| *Int SD* | *218.50500000* | *71.02750000* | *253.07400000* | *88.47210000* | *21.52700000* | *34.88080000* | *191.30500000* |
| RelInt Mean | 0.11666900 | 0.00476700 | 0.01209390 | -0.00006989 | 0.00030849 | 0.00109725 | 0.01558250 |
| *RelInt RSD* | *1.18576486* | *1.92290329* | *2.34345414* | *59.44128083* | *6.35774556* | *6.12747323* | *2.43477619* |
| *RelInt SD* | *0.00138342* | *0.00009166* | *0.00028341* | *0.00004154* | *0.00001961* | *0.00006723* | *0.00037940* |
| Conc Mean | 5.85377000[mg/l] | 0.03347750[mg/l] | 0.39135500[mg/l] | <-0.00277484[mg/l] | 0.01691970[mg/l] | 0.02005650[mg/l] | 0.01459310[mg/l] |
| *Conc RSD* | *1.30751123* | *1.99487417* | *2.32163637* | *65.87803261* | *6.85880955* | *6.22466532* | *2.54464781* |
| *Conc SD* | *0.07653870[mg/l]* | *0.00066783[mg/l]* | *0.00908584[mg/l]* | *0.00182801[mg/l]* | *0.00116049[mg/l]* | *0.00124845[mg/l]* | *0.00037134[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 | 142333 | 4672.94000000 | 12237.1000000 | 1194220 | 28707500 | 612201 | 25655200 |
| *Int RSD* | *5.43598463* | *0.50913986* | *1.07053142* | *0.82953392* | *0.54802404* | *1.23715414* | *0.68533085* |
| *Int SD* | *7737.20000000* | *23.79180000* | *131.00200000* | *9906.46000000* | *157324* | *7573.87000000* | *175823* |
| RelInt Mean | 0.00333629 | -0.00072102 | 0.00007010 | --- | --- | --- | 21.63980000 |
| *RelInt RSD* | *8.30131673* | *0.73064622* | *2.31319330* | --- | --- | --- | *1.38831690* |
| *RelInt SD* | *0.00027696* | *0.00000527* | *0.00000162* | --- | --- | --- | *0.30042900* |
| Conc Mean | 0.03200970[mg/l] | <-0.03846110[mg/l] | 0.00266220[mg/l] | 1185170 | 28643800 | 602295 | >67.51840000[mg/l] |
| *Conc RSD* | *8.32119639* | *0.76973097* | *10.47366839* | --- | --- | --- | *1.38831045* |
| *Conc SD* | *0.00266359[mg/l]* | *0.00029605[mg/l]* | *0.00027883[mg/l]* | *9895.46000000* | *157426* | *7634.62000000* | *0.93736500[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 4000.03000000 | 20449.0000000 | 102452 | 37594.3000000 | 7499.38000000 | 54974.6000000 | |
| *Int RSD* | *2.85455359* | *0.52948799* | *0.44120076* | *0.11838364* | *1.06378661* | *0.40824854* | |
| *Int SD* | *114.18300000* | *108.27500000* | *452.01900000* | *44.50550000* | *79.77740000* | *224.43300000* | |
| RelInt Mean | -0.00037064 | 0.00070347 | 0.08013760 | 0.02628740 | 0.00039661 | 0.04102180 | |
| *RelInt RSD* | *30.07349410* | *32.99449163* | *0.39864433* | *0.76538570* | *12.97890634* | *0.60196042* | |
| *RelInt SD* | *0.00011146* | *0.00023211* | *0.00031946* | *0.00020120* | *0.00005148* | *0.00024693* | |
| Conc Mean | <0.00023402[mg/l] | <0.00266144[mg/l] | 1.05045000[mg/l] | 0.68497500[mg/l] | 0.00086742[mg/l] | 3.37950000[mg/l] | |
| *Conc RSD* | *122.41218699* | *57.91676686* | *0.40458375* | *0.77229096* | *18.25138716* | *0.59751738* | |
| *Conc SD* | *0.00028647[mg/l]* | *0.00154142[mg/l]* | *0.00424995[mg/l]* | *0.00529000[mg/l]* | *0.00015832[mg/l]* | *0.02019310[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-005 | Client ID: | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-L-LA |
| Seqnum: | 483497419125 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:07 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 0.3296 | 16 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1207100 | -4.47 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: 497480-005,328089** | Sample Type: Unknown Sample

Measure Date: 2023-12-11 18:07:14 | Recalculation Date: | State: Measured | Quality:

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 44509.8000000 | 15321.7000000 | 5170.81000000 | 9299.81000000 | 14566.5000000 | 100663 | 9043.26000000 |
| ***Int RSD*** | *0.83358946* | *1.16177709* | *1.79461052* | *1.00397750* | *0.63643634* | *1.13625662* | *0.29352026* |
| ***Int SD*** | *371.02900000* | *178.00400000* | *92.79590000* | *93.36800000* | *92.70650000* | *1143.79000000* | *26.54380000* |
| **RelInt Mean** | 0.00003552 | 0.00772452 | -0.00026521 | 0.00188108 | 0.00578680 | 0.15923800 | 0.00167804 |
| ***RelInt RSD*** | *16.91422394* | *1.07087042* | *35.70360399* | *3.77132286* | *2.44286998* | *0.40716852* | *2.01033348* |
| ***RelInt SD*** | *0.00000601* | *0.00008272* | *0.00009469* | *0.00007094* | *0.00014136* | *0.00064837* | *0.00003373* |
| **Conc Mean** | <-0.00066077[mg/l] | 0.63572000[mg/l] | <-0.00932672[mg/l] | 0.01421800[mg/l] | 0.01538890[mg/l] | 8.00069000[mg/l] | 0.00798188[mg/l] |
| ***Conc RSD*** | *39.04256575* | *1.10606242* | *49.84839258* | *4.99852300* | *2.50814548* | *0.41968630* | *2.11603031* |
| ***Conc SD*** | *0.00025798[mg/l]* | *0.00703146[mg/l]* | *0.00464922[mg/l]* | *0.00071069[mg/l]* | *0.00038598[mg/l]* | *0.03357780[mg/l]* | *0.00016890[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** | 15372.2000000 | 203529 | 17289600 | 8626.28000000 | 19363.5000000 | 461783 | 5313.31000000 |
| ***Int RSD*** | *0.69038914* | *2.38638720* | *0.08089545* | *3.14433336* | *1.77179229* | *0.64013400* | *0.44759670* |
| ***Int SD*** | *106.12800000* | *4856.99000000* | *13986.5000000* | *271.23900000* | *343.08100000* | *2956.03000000* | *23.78220000* |
| **RelInt Mean** | 0.00704389 | 0.00573984 | 14.42490000 | 0.00489700 | 0.01309800 | 0.37793500 | -0.00001802 |
| ***RelInt RSD*** | *0.51185070* | *3.85115265* | *0.57288439* | *6.53898305* | *1.89196824* | *0.39330573* | *99.67864398* |
| ***RelInt SD*** | *0.00003605* | *0.00022105* | *0.08263800* | *0.00032021* | *0.00024781* | *0.00148644* | *0.00001796* |
| **Conc Mean** | 0.03955360[mg/l] | 0.18228600[mg/l] | 45.15120000[mg/l] | 1.13123000[mg/l] | 3.15722000[mg/l] | 0.22662200[mg/l] | <-0.00044307[mg/l] |
| ***Conc RSD*** | *0.51640053* | *3.99812383* | *0.57305232* | *9.15357620* | *2.00597678* | *0.39382981* | *29.63224607* |
| ***Conc SD*** | *0.00020426[mg/l]* | *0.00728802[mg/l]* | *0.25874000[mg/l]* | *0.10354800[mg/l]* | *0.06333310[mg/l]* | *0.00089251[mg/l]* | *0.00013129[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** | 85935.5000000 | 27005.7000000 | 19736.6000000 | 5826.84000000 | 5249.65000000 | 8727.40000000 | 20063.4000000 |
| ***Int RSD*** | *0.89162104* | *0.22148287* | *0.76317603* | *0.22821461* | *0.82443020* | *0.63565896* | *1.80369230* |
| ***Int SD*** | *766.21900000* | *59.81300000* | *150.62500000* | *13.29770000* | *43.27970000* | *55.47650000* | *361.88200000* |
| **RelInt Mean** | 0.10719900 | 0.01613970 | 0.01021610 | 0.00020103 | 0.00033935 | 0.00165091 | 0.01665510 |
| ***RelInt RSD*** | *0.25158537* | *0.86489216* | *1.49078415* | *14.82537519* | *10.28457093* | *1.98739483* | *0.69597901* |
| ***RelInt SD*** | *0.00026970* | *0.00013959* | *0.00015230* | *0.00002980* | *0.00003490* | *0.00003281* | *0.00011592* |
| **Conc Mean** | 5.32992000[mg/l] | 0.11633700[mg/l] | 0.32957200[mg/l] | 0.00897394[mg/l] | 0.01874570[mg/l] | 0.03033700[mg/l] | 0.01564280[mg/l] |
| ***Conc RSD*** | *0.27972840* | *0.87415869* | *1.47826878* | *14.60540186* | *11.01660648* | *2.00827702* | *0.72513872* |
| ***Conc SD*** | *0.01490930[mg/l]* | *0.00101697[mg/l]* | *0.00487196[mg/l]* | *0.00131068[mg/l]* | *0.00206514[mg/l]* | *0.00060925[mg/l]* | *0.00011343[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** | 150103 | 4718.36000000 | 12494.6000000 | 1207100 | 28646000 | 613022 | 5369320 |
| ***Int RSD*** | *3.42586757* | *0.09685759* | *0.67437853* | *0.65101152* | *1.16904280* | *0.74805798* | *0.40385188* |
| ***Int SD*** | *5142.33000000* | *4.57009000* | *84.26090000* | *7858.36000000* | *334884* | *4585.76000000* | *21684.1000000* |
| **RelInt Mean** | 0.00362695 | -0.00075085 | 0.00006815 | --- | --- | --- | 4.47750000 |
| ***RelInt RSD*** | *6.12296833* | *1.11852418* | *10.97554033* | --- | --- | --- | *0.31167839* |
| ***RelInt SD*** | *0.00022208* | *0.00000840* | *0.00000748* | --- | --- | --- | *0.01395540* |
| **Conc Mean** | 0.03480520[mg/l] | <-0.04016830[mg/l] | <0.00232791[mg/l] | 1197920 | 28581200 | 602923 | 13.96910000[mg/l] |
| ***Conc RSD*** | *6.13652558* | *1.19981179* | *55.16192636* | --- | --- | --- | *0.31179246* |
| ***Conc SD*** | *0.00213583[mg/l]* | *0.00048194[mg/l]* | *0.00128412[mg/l]* | *7840.03000000* | *334374* | *4433.96000000* | *0.04355460[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 4029.54000000 | 20620.5000000 | 119560 | 38015.6000000 | 7394.16000000 | 60655.8000000 | |
| ***Int RSD*** | *0.53425701* | *2.12284377* | *1.69749080* | *0.51413104* | *1.07479146* | *0.32898915* | |
| ***Int SD*** | *21.52810000* | *437.74100000* | *2029.52000000* | *195.45000000* | *79.47180000* | *199.55100000* | |
| **RelInt Mean** | -0.00043573 | 0.00049559 | 0.09354030 | 0.02628260 | 0.00012360 | 0.04525680 | |
| ***RelInt RSD*** | *19.00803705* | *58.78884732* | *1.36135976* | *0.29325752* | *10.39531064* | *0.98394716* | |
| ***RelInt SD*** | *0.00008282* | *0.00029135* | *0.00127342* | *0.00007708* | *0.00001285* | *0.00044530* | |
| **Conc Mean** | <0.00006674[mg/l] | <0.00128090[mg/l] | 1.22859000[mg/l] | 0.68484800[mg/l] | <-0.00003103[mg/l] | 3.72588000[mg/l] | |
| ***Conc RSD*** | *318.95063652* | *151.05550785* | *1.37801870* | *0.29607592* | *87.00320053* | *0.97751404* | |
| ***Conc SD*** | *0.00021286[mg/l]* | *0.00193487[mg/l]* | *0.01693020[mg/l]* | *0.00202767[mg/l]* | *0.00002699[mg/l]* | *0.03642100[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-007 | Client ID: | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-L-LA |
| Seqnum: | 483497419126 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:10 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 0.3397 | 17 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1203480 | -4.76 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: 497480-007,328089** | Sample Type: Unknown Sample

Measure Date: 2023-12-11 18:10:29 | Recalculation Date: | State: Measured | Quality:

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 44434.9000000 | 14207.1000000 | 5168.31000000 | 9232.57000000 | 14469.3000000 | 103039 | 8980.71000000 |
| ***Int RSD*** | *0.50275122* | *0.84740024* | *0.92848920* | *0.98646747* | *0.65760058* | *0.11045138* | *1.01659000* |
| ***Int SD*** | *223.39700000* | *120.39100000* | *47.98720000* | *91.07630000* | *95.15020000* | *113.80800000* | *91.29700000* |
| **RelInt Mean** | 0.00002814 | 0.00606373 | -0.00015290 | 0.00181118 | 0.00569837 | 0.16282900 | 0.00162172 |
| ***RelInt RSD*** | *9.86144869* | *1.99555389* | *22.99714850* | *3.61414106* | *0.62356428* | *0.63345596* | *3.40356535* |
| ***RelInt SD*** | *0.00000278* | *0.00012101* | *0.00003516* | *0.00006546* | *0.00003553* | *0.00103145* | *0.00005520* |
| **Conc Mean** | <-0.00097762[mg/l] | 0.49454200[mg/l] | <-0.00380308[mg/l] | 0.01351780[mg/l] | 0.01515280[mg/l] | 8.18670000[mg/l] | 0.00771985[mg/l] |
| ***Conc RSD*** | *12.18893972* | *2.08000534* | *45.40162184* | *4.85136635* | *0.64320324* | *0.65273187* | *3.49163520* |
| ***Conc SD*** | *0.00011916[mg/l]* | *0.01028650[mg/l]* | *0.00172666[mg/l]* | *0.00065580[mg/l]* | *0.00009746[mg/l]* | *0.05343720[mg/l]* | *0.00026955[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** | 13080.0000000 | 210554 | 18772900 | 8292.99000000 | 18557.8000000 | 444688 | 5165.33000000 |
| ***Int RSD*** | *0.95237768* | *2.98521994* | *0.88325192* | *0.18579186* | *0.72108224* | *0.49939508* | *0.43500996* |
| ***Int SD*** | *124.57100000* | *6285.50000000* | *165812* | *15.40770000* | *133.81700000* | *2220.75000000* | *22.46970000* |
| **RelInt Mean** | 0.00514979 | 0.00604019 | 15.71040000 | 0.00446036 | 0.01201750 | 0.36473700 | -0.00022681 |
| ***RelInt RSD*** | *1.61892038* | *4.56278693* | *0.83775079* | *1.30409877* | *1.70516330* | *0.23860617* | *19.43644709* |
| ***RelInt SD*** | *0.00008337* | *0.00027560* | *0.13161400* | *0.00005817* | *0.00020492* | *0.00087029* | *0.00004408* |
| **Conc Mean** | 0.02882390[mg/l] | 0.19218800[mg/l] | 49.17520000[mg/l] | 0.99003000[mg/l] | 2.88111000[mg/l] | 0.21869600[mg/l] | <-0.00196943[mg/l] |
| ***Conc RSD*** | *1.63854995* | *4.72796949* | *0.83784916* | *1.89971011* | *1.81769873* | *0.23898745* | *16.36371945* |
| ***Conc SD*** | *0.00047229[mg/l]* | *0.00908659[mg/l]* | *0.41201400[mg/l]* | *0.01880770[mg/l]* | *0.05236990[mg/l]* | *0.00052266[mg/l]* | *0.00032227[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** | 89854.0000000 | 55303.1000000 | 20034.4000000 | 6202.35000000 | 5174.67000000 | 9024.63000000 | 18987.8000000 |
| ***Int RSD*** | *0.48085338* | *0.50252337* | *0.63876632* | *0.38945238* | *0.23085530* | *0.30307614* | *0.41965209* |
| ***Int SD*** | *432.06600000* | *277.91100000* | *127.97300000* | *24.15520000* | *11.94600000* | *27.35150000* | *79.68270000* |
| **RelInt Mean** | 0.11390500 | 0.03985900 | 0.01053810 | 0.00035513 | 0.00031755 | 0.00209737 | 0.01508620 |
| ***RelInt RSD*** | *1.28877573* | *0.21307810* | *1.08071664* | *0.98710068* | *0.56528475* | *1.49411406* | *2.51881189* |
| ***RelInt SD*** | *0.00146798* | *0.00008493* | *0.00011389* | *0.00000351* | *0.00000180* | *0.00003134* | *0.00037999* |
| **Conc Mean** | 5.70091000[mg/l] | 0.28915000[mg/l] | 0.33972200[mg/l] | 0.01581580[mg/l] | 0.01745590[mg/l] | 0.03862690[mg/l] | 0.01410740[mg/l] |
| ***Conc RSD*** | *1.42468132* | *0.21399274* | *1.07775181* | *0.95783963* | *0.60852778* | *1.50638027* | *2.63646739* |
| ***Conc SD*** | *0.08121980[mg/l]* | *0.00061876[mg/l]* | *0.00366136[mg/l]* | *0.00015149[mg/l]* | *0.00010622[mg/l]* | *0.00058187[mg/l]* | *0.00037194[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** | 123133 | 4620.46000000 | 12300.5000000 | 1203480 | 28382100 | 614283 | 11182500 |
| ***Int RSD*** | *3.33197437* | *0.11653753* | *0.53538881* | *0.65830093* | *0.92500203* | *0.60972386* | *1.02994858* |
| ***Int SD*** | *4102.76000000* | *5.38457000* | *65.85550000* | *7922.52000000* | *262535* | *3745.43000000* | *115174* |
| **RelInt Mean** | 0.00270709 | -0.00070603 | 0.00006635 | --- | --- | --- | 9.35798000 |
| ***RelInt RSD*** | *6.60199698* | *2.46657706* | *7.83875971* | --- | --- | --- | *1.18365288* |
| ***RelInt SD*** | *0.00017872* | *0.00001741* | *0.00000520* | --- | --- | --- | *0.11076600* |
| **Conc Mean** | 0.02595840[mg/l] | <-0.03758890[mg/l] | <0.00201826[mg/l] | 1194300 | 28317200 | 604390 | 29.19700000[mg/l] |
| ***Conc RSD*** | *6.62182569* | *2.63567170* | *44.23587645* | --- | --- | --- | *1.18365243* |
| ***Conc SD*** | *0.00171892[mg/l]* | *0.00099072[mg/l]* | *0.00089279[mg/l]* | *7893.67000000* | *261740* | *3722.81000000* | *0.34559100[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 3962.91000000 | 20350.6000000 | 101566 | 35460.6000000 | 7442.17000000 | 55305.0000000 | |
| ***Int RSD*** | *1.74000671* | *1.82533193* | *0.27266014* | *0.42980096* | *0.17443299* | *0.80154959* | |
| ***Int SD*** | *68.95490000* | *371.46600000* | *276.93000000* | *152.41000000* | *12.98160000* | *443.29700000* | |
| **RelInt Mean** | -0.00049000 | 0.00055283 | 0.07873720 | 0.02441560 | 0.00017933 | 0.04103070 | |
| ***RelInt RSD*** | *26.20092327* | *68.86011562* | *0.30712929* | *0.80881486* | *25.21803622* | *0.48931166* | |
| ***RelInt SD*** | *0.00012838* | *0.00038068* | *0.00024183* | *0.00019748* | *0.00004522* | *0.00020077* | |
| **Conc Mean** | <-0.00007273[mg/l] | <0.00166099[mg/l] | 1.03186000[mg/l] | 0.63575000[mg/l] | <0.00012522[mg/l] | 3.38022000[mg/l] | |
| ***Conc RSD*** | *453.67010635* | *152.20320411* | *0.31125153* | *0.81698309* | *116.82625883* | *0.48580862* | |
| ***Conc SD*** | *0.00032995[mg/l]* | *0.00252808[mg/l]* | *0.00321168[mg/l]* | *0.00519397[mg/l]* | *0.00014628[mg/l]* | *0.01642140[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-009 | Client ID: | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-L-WF |
| Seqnum: | 483497419127 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:13 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.567 | 78 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1183660 | -6.33 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-009,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:13:43 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 43786.4000000 | 17802.2000000 | 4986.88000000 | 9805.93000000 | 14732.5000000 | 97410.7000000 | 10014.3000000 |
| *Int RSD* | *0.52196344* | *1.76964083* | *0.48085577* | *1.63168613* | *0.75204480* | *0.67588879* | *0.61506945* |
| *Int SD* | *228.54900000* | *315.03500000* | *23.97970000* | *160.00200000* | *110.79500000* | *658.38800000* | *61.59490000* |
| RelInt Mean | 0.00001942 | 0.01209540 | -0.00055115 | 0.00229979 | 0.00602643 | 0.15396600 | 0.00256186 |
| *RelInt RSD* | *20.11712593* | *4.17421499* | *3.44753759* | *7.20578835* | *1.60542477* | *1.44085707* | *0.94329901* |
| *RelInt SD* | *0.00000391* | *0.00050489* | *0.00001900* | *0.00016572* | *0.00009675* | *0.00221843* | *0.00002417* |
| Conc Mean | <-0.00135232[mg/l] | 1.00727000[mg/l] | <-0.02334970[mg/l] | 0.01841310[mg/l] | 0.01605300[mg/l] | 7.72770000[mg/l] | 0.01229160[mg/l] |
| *Conc RSD* | *12.40142866* | *4.26059547* | *3.99579438* | *9.01700420* | *1.65132374* | *1.48684602* | *0.92877250* |
| *Conc SD* | *0.00016771[mg/l]* | *0.04291570[mg/l]* | *0.00093301[mg/l]* | *0.00166031[mg/l]* | *0.00026509[mg/l]* | *0.11489900[mg/l]* | *0.00011416[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 | 11209.4000000 | 188746 | 20670800 | 9126.49000000 | 20117.4000000 | 789362 | 5318.96000000 |
| *Int RSD* | *0.63113458* | *3.12298539* | *0.96814831* | *2.36973908* | *1.04998161* | *0.17004492* | *0.76914284* |
| *Int SD* | *70.74640000* | *5894.51000000* | *200124* | *216.27400000* | *211.22900000* | *1342.27000000* | *40.91040000* |
| RelInt Mean | 0.00366085 | 0.00528550 | 17.59110000 | 0.00587341 | 0.01449970 | 0.66430600 | -0.00036574 |
| *RelInt RSD* | *0.92334021* | *4.03891779* | *1.21788859* | *4.08205795* | *1.22335635* | *0.38494760* | *7.52071155* |
| *RelInt SD* | *0.00003380* | *0.00021348* | *0.21424000* | *0.00023976* | *0.00017738* | *0.00255723* | *0.00002751* |
| Conc Mean | 0.02038930[mg/l] | 0.16730700[mg/l] | 55.06200000[mg/l] | 1.44699000[mg/l] | 3.51547000[mg/l] | 0.39858100[mg/l] | <-0.00298504[mg/l] |
| *Conc RSD* | *0.93922302* | *4.20666200* | *1.21777269* | *5.35854429* | *1.28953739* | *0.38526673* | *6.73632514* |
| *Conc SD* | *0.00019150[mg/l]* | *0.00703804[mg/l]* | *0.67053000[mg/l]* | *0.07753760[mg/l]* | *0.04533330[mg/l]* | *0.00153560[mg/l]* | *0.00020108[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 | 89937.3000000 | 14288.6000000 | 64922.3000000 | 6094.42000000 | 5382.98000000 | 9415.46000000 | 19947.4000000 |
| *Int RSD* | *0.69780614* | *0.53057892* | *0.14157524* | *0.13081163* | *1.43743428* | *0.96488116* | *1.78146525* |
| *Int SD* | *627.58800000* | *75.81230000* | *91.91390000* | *7.97221000* | *77.37680000* | *90.84800000* | *355.35600000* |
| RelInt Mean | 0.11440600 | 0.00565877 | 0.04884590 | 0.00001220 | 0.00036030 | 0.00209579 | 0.01671250 |
| *RelInt RSD* | *1.74010104* | *0.83203064* | *0.40570038* | *73.66877874* | *22.10390901* | *2.00739101* | *3.63157517* |
| *RelInt SD* | *0.00199078* | *0.00004708* | *0.00019817* | *0.00000899* | *0.00007964* | *0.00004207* | *0.00060693* |
| Conc Mean | 5.72862000[mg/l] | 0.03997470[mg/l] | 1.56719000[mg/l] | <0.00077978[mg/l] | 0.01998490[mg/l] | 0.03859760[mg/l] | 0.01569900[mg/l] |
| *Conc RSD* | *1.92215577* | *0.85814528* | *0.40409331* | *50.80696148* | *23.57960260* | *2.02387195* | *3.78409453* |
| *Conc SD* | *0.11011300[mg/l]* | *0.00034304[mg/l]* | *0.00633291[mg/l]* | *0.00039618[mg/l]* | *0.00471236[mg/l]* | *0.00078117[mg/l]* | *0.00059406[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 | 219306 | 4803.50000000 | 12566.6000000 | 1183660 | 28430400 | 612368 | 17874700 |
| *Int RSD* | *4.29638040* | *0.48683460* | *0.91864944* | *0.44418414* | *0.51194144* | *1.15960827* | *1.11256692* |
| *Int SD* | *9422.22000000* | *23.38510000* | *115.44300000* | *5257.63000000* | *145547* | *7101.07000000* | *198868* |
| RelInt Mean | 0.00610784 | -0.00078953 | 0.00007761 | --- | --- | --- | 15.21310000 |
| *RelInt RSD* | *5.52719128* | *1.40939172* | *5.63975992* | --- | --- | --- | *1.40235718* |
| *RelInt SD* | *0.00033759* | *0.00001113* | *0.00000438* | --- | --- | --- | *0.21334200* |
| Conc Mean | 0.05866510[mg/l] | <-0.04242470[mg/l] | 0.00395217[mg/l] | 1174480 | 28366500 | 602476 | >47.46590000[mg/l] |
| *Conc RSD* | *5.53443189* | *1.48626861* | *19.00986041* | --- | --- | --- | *1.40240257* |
| *Conc SD* | *0.00324678[mg/l]* | *0.00063055[mg/l]* | *0.00075130[mg/l]* | *5233.95000000* | *145219* | *7100.96000000* | *0.66566300[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3993.97000000 | 20374.2000000 | 171799 | 53729.7000000 | 7442.32000000 | 59146.1000000 | |
| *Int RSD* | *1.33570858* | *0.97909120* | *0.74516150* | *0.47262129* | *1.20881526* | *0.10806376* | |
| *Int SD* | *53.34780000* | *199.48200000* | *1280.18000000* | *253.93800000* | *89.96390000* | *63.91550000* | |
| RelInt Mean | -0.00050520 | 0.00059633 | 0.13962900 | 0.04005830 | 0.00016650 | 0.04478110 | |
| *RelInt RSD* | *23.02573238* | *19.88258199* | *1.03495692* | *0.82724429* | *35.27945946* | *0.38954604* | |
| *RelInt SD* | *0.00011633* | *0.00011857* | *0.00144510* | *0.00033138* | *0.00005874* | *0.00017444* | |
| Conc Mean | <-0.00011180[mg/l] | <0.00194989[mg/l] | 1.84127000[mg/l] | 1.04712000[mg/l] | <0.00015574[mg/l] | 3.68697000[mg/l] | |
| *Conc RSD* | *267.40936860* | *40.38161127* | *1.04346457* | *0.83240603* | *121.29524397* | *0.38697630* | |
| *Conc SD* | *0.00029896[mg/l]* | *0.00078740[mg/l]* | *0.01921300[mg/l]* | *0.00871629[mg/l]* | *0.00018890[mg/l]* | *0.01426770[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-011 | Client ID: | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-LA |
| Seqnum: | 483497419128 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:16 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.270 | 63 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1194120 | -5.50 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-011,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:16:57 | 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 | 44114.6000000 | 18592.4000000 | 5577.12000000 | 9773.23000000 | 16380.0000000 | 116233 | 9293.58000000 |
| *Int RSD* | *0.66281231* | *0.95705772* | *0.52090864* | *0.72970451* | *1.03943223* | *0.33758485* | *0.83050127* |
| *Int SD* | *292.39700000* | *177.94000000* | *29.05170000* | *71.31570000* | *170.25900000* | *392.38500000* | *77.18330000* |
| RelInt Mean | 0.00003238 | 0.01300410 | -0.00007286 | 0.00229726 | 0.00737222 | 0.17687300 | 0.00192285 |
| *RelInt RSD* | *12.22590449* | *0.96244261* | *20.53751944* | *3.46368282* | *2.46240617* | *0.47422953* | *2.99394129* |
| *RelInt SD* | *0.00000396* | *0.00012516* | *0.00001496* | *0.00007957* | *0.00018153* | *0.00083878* | *0.00005757* |
| Conc Mean | <-0.00079573[mg/l] | 1.08452000[mg/l] | <0.00013312[mg/l] | 0.01838770[mg/l] | 0.01972670[mg/l] | 8.91405000[mg/l] | 0.00914347[mg/l] |
| *Conc RSD* | *21.36089729* | *0.98092244* | *551.58316995* | *4.33577881* | *2.51875377* | *0.48715679* | *3.09721583* |
| *Conc SD* | *0.00016997[mg/l]* | *0.01063830[mg/l]* | *0.00073426[mg/l]* | *0.00079725[mg/l]* | *0.00049687[mg/l]* | *0.04342540[mg/l]* | *0.00028319[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 | 11654.3000000 | 301400 | 20689300 | 9680.67000000 | 19967.5000000 | 881926 | 5165.47000000 |
| *Int RSD* | *1.11060295* | *2.73834107* | *0.46329842* | *2.82870917* | *1.42114436* | *0.22095051* | *0.66315359* |
| *Int SD* | *129.43300000* | *8253.36000000* | *95853.2000000* | *273.83800000* | *283.76700000* | *1948.62000000* | *34.25500000* |
| RelInt Mean | 0.00397052 | 0.00909701 | 17.45080000 | 0.00667166 | 0.01401800 | 0.73654500 | -0.00021542 |
| *RelInt RSD* | *2.17921834* | *4.15372743* | *0.66030784* | *4.36862790* | *0.37138536* | *0.42295990* | *17.25400723* |
| *RelInt SD* | *0.00008653* | *0.00037787* | *0.11522900* | *0.00029146* | *0.00005206* | *0.00311529* | *0.00003717* |
| Conc Mean | 0.02214350[mg/l] | 0.29297200[mg/l] | 54.62280000[mg/l] | 1.70513000[mg/l] | 3.39236000[mg/l] | 0.44196000[mg/l] | <-0.00188619[mg/l] |
| *Conc RSD* | *2.21370605* | *4.25224936* | *0.66053553* | *5.52752576* | *0.39196017* | *0.42324418* | *14.40570674* |
| *Conc SD* | *0.00049019[mg/l]* | *0.01245790[mg/l]* | *0.36080300[mg/l]* | *0.09425150[mg/l]* | *0.01329670[mg/l]* | *0.00187057[mg/l]* | *0.00027172[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 | 83992.9000000 | 26575.4000000 | 54385.9000000 | 5967.59000000 | 5410.00000000 | 9772.64000000 | 21342.6000000 |
| *Int RSD* | *0.48317894* | *0.45376928* | *0.70589068* | *0.22836857* | *1.04837523* | *0.39493320* | *2.00195852* |
| *Int SD* | *405.83600000* | *120.59100000* | *383.90500000* | *13.62810000* | *56.71710000* | *38.59540000* | *427.27000000* |
| RelInt Mean | 0.10007200 | 0.01594730 | 0.03956830 | 0.00027161 | 0.00038723 | 0.00232698 | 0.01837020 |
| *RelInt RSD* | *0.62071708* | *0.82854151* | *0.95382162* | *12.14932385* | *10.61534647* | *1.60289302* | *2.99581932* |
| *RelInt SD* | *0.00062116* | *0.00013213* | *0.00037741* | *0.00003300* | *0.00004111* | *0.00003730* | *0.00055034* |
| Conc Mean | 4.93567000[mg/l] | 0.11493500[mg/l] | 1.26982000[mg/l] | 0.01218080[mg/l] | 0.02157850[mg/l] | 0.04289040[mg/l] | 0.01732160[mg/l] |
| *Conc RSD* | *0.69593794* | *0.83795711* | *0.95226095* | *11.92737751* | *11.27182149* | *1.61482989* | *3.10949335* |
| *Conc SD* | *0.03434920[mg/l]* | *0.00096311[mg/l]* | *0.01209200[mg/l]* | *0.00145285[mg/l]* | *0.00243229[mg/l]* | *0.00069261[mg/l]* | *0.00053861[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 | 226474 | 4823.49000000 | 12466.0000000 | 1194120 | 28869300 | 641214 | 6181250 |
| *Int RSD* | *3.01118009* | *0.49449880* | *1.08556875* | *0.20370398* | *0.97993370* | *0.32497263* | *0.19350940* |
| *Int SD* | *6819.54000000* | *23.85210000* | *135.32700000* | *2432.47000000* | *282900* | *2083.77000000* | *11961.3000000* |
| RelInt Mean | 0.00626160 | -0.00079784 | 0.00006973 | --- | --- | --- | 5.21146000 |
| *RelInt RSD* | *4.68963204* | *1.78991448* | *7.76005461* | --- | --- | --- | *0.39842386* |
| *RelInt SD* | *0.00029365* | *0.00001428* | *0.00000541* | --- | --- | --- | *0.02076370* |
| Conc Mean | 0.06014380[mg/l] | <-0.04290480[mg/l] | <0.00259864[mg/l] | 1184960 | 28804600 | 631493 | 16.25920000[mg/l] |
| *Conc RSD* | *4.69562947* | *1.89714904* | *35.74311948* | --- | --- | --- | *0.39867644* |
| *Conc SD* | *0.00282413[mg/l]* | *0.00081397[mg/l]* | *0.00092883[mg/l]* | *2439.76000000* | *282063* | *1894.75000000* | *0.06482160[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3874.04000000 | 19940.1000000 | 175753 | 52114.5000000 | 7420.57000000 | 61592.6000000 | |
| *Int RSD* | *3.03365479* | *1.03976911* | *0.38559057* | *0.52655403* | *0.38951590* | *0.57616012* | |
| *Int SD* | *117.52500000* | *207.33100000* | *677.68700000* | *274.41100000* | *28.90430000* | *354.87200000* | |
| RelInt Mean | -0.00044340 | 0.00055739 | 0.14190700 | 0.03828580 | 0.00015799 | 0.04642250 | |
| *RelInt RSD* | *9.15250912* | *30.41690438* | *0.58596264* | *0.78086131* | *7.48343197* | *0.67348376* | |
| *RelInt SD* | *0.00004058* | *0.00016954* | *0.00083152* | *0.00029896* | *0.00001182* | *0.00031265* | |
| Conc Mean | <0.00004702[mg/l] | <0.00169132[mg/l] | 1.87152000[mg/l] | 1.00051000[mg/l] | <0.00004336[mg/l] | 3.82123000[mg/l] | |
| *Conc RSD* | *221.80870068* | *66.57108058* | *0.59072305* | *0.78591318* | *91.02577702* | *0.66911440* | |
| *Conc SD* | *0.00010430[mg/l]* | *0.00112593[mg/l]* | *0.01105550[mg/l]* | *0.00786314[mg/l]* | *0.00003947[mg/l]* | *0.02556840[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-012 | Client ID: | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-DUP-LA |
| Seqnum: | 483497419131 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:26 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.540 | 77 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1232770 | -2.44 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-012,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:26:40 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 42866.0000000 | 19657.3000000 | 5527.22000000 | 9616.08000000 | 20268.1000000 | 120565 | 8839.64000000 |
| *Int RSD* | *0.09188074* | *0.85678603* | *1.50236466* | *1.37176479* | *0.26918310* | *0.51709783* | *0.11805458* |
| *Int SD* | *39.38560000* | *168.42100000* | *83.03900000* | *131.91000000* | *54.55830000* | *623.43900000* | *10.43560000* |
| RelInt Mean | 0.00003247 | 0.01448670 | -0.00017269 | 0.00228236 | 0.01048730 | 0.18451700 | 0.00165841 |
| *RelInt RSD* | *33.47830238* | *2.26088067* | *26.83976768* | *4.36843443* | *0.97275753* | *0.79513541* | *1.65732238* |
| *RelInt SD* | *0.00001087* | *0.00032753* | *0.00004635* | *0.00009970* | *0.00010202* | *0.00146716* | *0.00002749* |
| Conc Mean | <-0.00079189[mg/l] | 1.21055000[mg/l] | <-0.00476760[mg/l] | 0.01823850[mg/l] | 0.02823470[mg/l] | 9.30988000[mg/l] | 0.00781761[mg/l] |
| *Conc RSD* | *58.93745612* | *2.29974805* | *47.73554828* | *5.47696357* | *0.98237984* | *0.81622427* | *1.82037733* |
| *Conc SD* | *0.00046672[mg/l]* | *0.02783960[mg/l]* | *0.00227584[mg/l]* | *0.00099892[mg/l]* | *0.00027737[mg/l]* | *0.07598950[mg/l]* | *0.00014231[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 | 11216.6000000 | 278633 | 18559000 | 9606.43000000 | 20241.3000000 | 553897 | 5475.81000000 |
| *Int RSD* | *0.14542464* | *3.21105540* | *0.62210787* | *2.18528631* | *0.82808910* | *0.03146217* | *2.52167259* |
| *Int SD* | *16.31170000* | *8947.06000000* | *115457* | *209.92800000* | *167.61600000* | *174.26800000* | *138.08200000* |
| RelInt Mean | 0.00371134 | 0.00818244 | 15.15720000 | 0.00643250 | 0.01423080 | 0.44543300 | -0.00003921 |
| *RelInt RSD* | *1.10403251* | *4.53676409* | *0.31817354* | *3.88837932* | *1.22552492* | *0.46120292* | *336.49709677* |
| *RelInt SD* | *0.00004097* | *0.00037122* | *0.04822620* | *0.00025012* | *0.00017440* | *0.00205435* | *0.00013196* |
| Conc Mean | 0.02067540[mg/l] | 0.26281800[mg/l] | 47.44360000[mg/l] | 1.62779000[mg/l] | 3.44675000[mg/l] | 0.26715300[mg/l] | <-0.00059803[mg/l] |
| *Conc RSD* | *1.12272556* | *4.65683477* | *0.31828740* | *4.96891491* | *1.29289331* | *0.46178407* | *161.30549071* |
| *Conc SD* | *0.00023213[mg/l]* | *0.01223900[mg/l]* | *0.15100700[mg/l]* | *0.08088350[mg/l]* | *0.04456280[mg/l]* | *0.00123367[mg/l]* | *0.00096465[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 | 86872.2000000 | 24289.4000000 | 66075.3000000 | 5940.43000000 | 5450.08000000 | 9797.95000000 | 21605.5000000 |
| *Int RSD* | *0.08475139* | *0.75579059* | *0.45940011* | *1.06992928* | *0.86340384* | *0.68037191* | *1.68395085* |
| *Int SD* | *73.62540000* | *183.57700000* | *303.55000000* | *63.55840000* | *47.05620000* | *66.66250000* | *363.82600000* |
| RelInt Mean | 0.10500900 | 0.01375500 | 0.04798730 | 0.00015521 | 0.00039404 | 0.00208226 | 0.01882600 |
| *RelInt RSD* | *1.44574275* | *1.39527445* | *0.94867184* | *37.12512080* | *4.30428736* | *2.98724943* | *1.51946776* |
| *RelInt SD* | *0.00151816* | *0.00019192* | *0.00045524* | *0.00005762* | *0.00001696* | *0.00006220* | *0.00028606* |
| Conc Mean | 5.20881000[mg/l] | 0.09896200[mg/l] | 1.54002000[mg/l] | 0.00706904[mg/l] | 0.02198160[mg/l] | 0.03834630[mg/l] | 0.01776770[mg/l] |
| *Conc RSD* | *1.61225309* | *1.41302722* | *0.94761756* | *35.85069543* | *4.56554573* | *3.01184208* | *1.57580328* |
| *Conc SD* | *0.08397920[mg/l]* | *0.00139836[mg/l]* | *0.01459350[mg/l]* | *0.00253430[mg/l]* | *0.00100358[mg/l]* | *0.00115493[mg/l]* | *0.00027998[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 | 271751 | 4877.37000000 | 12430.6000000 | 1232770 | 29441000 | 638281 | 10576400 |
| *Int RSD* | *3.63329666* | *0.50110818* | *0.68273213* | *0.43450116* | *1.71411976* | *0.85180352* | *0.78161189* |
| *Int SD* | *9873.52000000* | *24.44090000* | *84.86770000* | *5356.40000000* | *504654* | *5436.90000000* | *82666.4000000* |
| RelInt Mean | 0.00772308 | -0.00078666 | 0.00007828 | --- | --- | --- | 8.63741000 |
| *RelInt RSD* | *5.52318505* | *3.69354779* | *7.47348250* | --- | --- | --- | *0.93040738* |
| *RelInt SD* | *0.00042656* | *0.00002906* | *0.00000585* | --- | --- | --- | *0.08036310* |
| Conc Mean | 0.07419960[mg/l] | <-0.04230720[mg/l] | 0.00406618[mg/l] | 1223760 | 29377700 | 628449 | 26.94880000[mg/l] |
| *Conc RSD* | *5.52885730* | *3.92947300* | *24.69836554* | --- | --- | --- | *0.93049783* |
| *Conc SD* | *0.00410239[mg/l]* | *0.00166245[mg/l]* | *0.00100428[mg/l]* | *5350.70000000* | *504389* | *5300.64000000* | *0.25075800[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3893.10000000 | 20183.0000000 | 196959 | 53540.9000000 | 7298.10000000 | 62561.9000000 | |
| *Int RSD* | *4.59990753* | *1.48504187* | *0.96986175* | *0.42645902* | *0.46109946* | *0.67722048* | |
| *Int SD* | *179.07900000* | *299.72600000* | *1910.23000000* | *228.33000000* | *33.65150000* | *423.68200000* | |
| RelInt Mean | -0.00044778 | 0.00068063 | 0.15483300 | 0.03808870 | 0.00021984 | 0.04567520 | |
| *RelInt RSD* | *19.33709110* | *13.36319773* | *1.26698443* | *0.51344625* | *8.07996725* | *0.98601867* | |
| *RelInt SD* | *0.00008659* | *0.00009095* | *0.00196171* | *0.00019557* | *0.00001776* | *0.00045037* | |
| Conc Mean | <0.00003576[mg/l] | <0.00250973[mg/l] | 2.04331000[mg/l] | 0.99531900[mg/l] | <0.00025691[mg/l] | 3.76010000[mg/l] | |
| *Conc RSD* | *622.24123613* | *24.06732995* | *1.27556758* | *0.51653590* | *25.08966070* | *0.97971862* | |
| *Conc SD* | *0.00022253[mg/l]* | *0.00060403[mg/l]* | *0.02606380[mg/l]* | *0.00514118[mg/l]* | *0.00006446[mg/l]* | *0.03683840[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-014 | Client ID: | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-L-LA |
| Seqnum: | 483497419132 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:29 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 0.7114 | 36 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1229810 | -2.67 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: 497480-014,328089** | Sample Type: Unknown Sample

Measure Date: 2023-12-11 18:29:56 | Recalculation Date: | State: Measured | Quality:

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 42638.4000000 | 15980.9000000 | 5286.97000000 | 8919.17000000 | 21426.3000000 | 107810 | 8267.21000000 |
| ***Int RSD*** | *0.40093202* | *1.08911263* | *0.65187243* | *0.69216306* | *0.21206601* | *0.09555236* | *0.31136260* |
| ***Int SD*** | *170.95100000* | *174.05000000* | *34.46430000* | *61.73520000* | *45.43790000* | *103.01500000* | *25.74100000* |
| **RelInt Mean** | 0.00002788 | 0.00886428 | -0.00043959 | 0.00183246 | 0.01148610 | 0.16291100 | 0.00122781 |
| ***RelInt RSD*** | *17.81192614* | *3.58443100* | *6.16986815* | *3.01716818* | *1.06265834* | *0.59425330* | *1.86676277* |
| ***RelInt SD*** | *0.00000497* | *0.00031773* | *0.00002712* | *0.00005529* | *0.00012206* | *0.00096810* | *0.00002292* |
| **Conc Mean** | <-0.00098877[mg/l] | 0.73260800[mg/l] | <-0.01787180[mg/l] | 0.01373090[mg/l] | 0.03097240[mg/l] | 8.19093000[mg/l] | 0.00575180[mg/l] |
| ***Conc RSD*** | *21.56709852* | *3.68676018* | *7.44972527* | *4.03386522* | *1.07828260* | *0.61207213* | *1.97494697* |
| ***Conc SD*** | *0.00021325[mg/l]* | *0.02700950[mg/l]* | *0.00133140[mg/l]* | *0.00055389[mg/l]* | *0.00033397[mg/l]* | *0.05013440[mg/l]* | *0.00011360[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** | 10964.7000000 | 174490 | 13130700 | 8569.67000000 | 19205.8000000 | 367310 | 5052.75000000 |
| ***Int RSD*** | *0.85463533* | *2.60782853* | *0.81096971* | *1.89105298* | *1.27945725* | *0.56952166* | *0.50734353* |
| ***Int SD*** | *93.70820000* | *4550.40000000* | *106486* | *162.05700000* | *245.73000000* | *2091.91000000* | *25.63480000* |
| **RelInt Mean** | 0.00361830 | 0.00459202 | 10.74830000 | 0.00501903 | 0.01283450 | 0.29388500 | -0.00034493 |
| ***RelInt RSD*** | *1.63923942* | *3.25767309* | *1.28920853* | *3.97937450* | *2.57542561* | *1.08965412* | *5.30981918* |
| ***RelInt SD*** | *0.00005931* | *0.00014959* | *0.13856800* | *0.00019973* | *0.00033054* | *0.00320233* | *0.00001832* |
| **Conc Mean** | 0.02014820[mg/l] | 0.14444300[mg/l] | 33.64280000[mg/l] | 1.17070000[mg/l] | 3.08991000[mg/l] | 0.17615200[mg/l] | <-0.00283290[mg/l] |
| ***Conc RSD*** | *1.66739957* | *3.41447491* | *1.28951217* | *5.51715213* | *2.73384662* | *1.09142105* | *4.72635815* |
| ***Conc SD*** | *0.00033595[mg/l]* | *0.00493197[mg/l]* | *0.43382800[mg/l]* | *0.06458930[mg/l]* | *0.08447340[mg/l]* | *0.00192256[mg/l]* | *0.00013389[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** | 82144.0000000 | 40456.4000000 | 34279.8000000 | 5952.15000000 | 5480.69000000 | 9199.99000000 | 20535.6000000 |
| ***Int RSD*** | *0.37884325* | *0.43763657* | *1.09638329* | *0.56629453* | *0.35606283* | *0.20725457* | *0.86469838* |
| ***Int SD*** | *311.19700000* | *177.05200000* | *375.83800000* | *33.70670000* | *19.51470000* | *19.06740000* | *177.57100000* |
| **RelInt Mean** | 0.09717740 | 0.02707790 | 0.02211080 | 0.00018628 | 0.00042465 | 0.00147640 | 0.01731490 |
| ***RelInt RSD*** | *1.13410114* | *1.08276122* | *2.03548944* | *20.07236535* | *1.64786626* | *1.31060011* | *0.18150668* |
| ***RelInt SD*** | *0.00110209* | *0.00029319* | *0.00045006* | *0.00003739* | *0.00000700* | *0.00001935* | *0.00003143* |
| **Conc Mean** | 4.77560000[mg/l] | 0.19603000[mg/l] | 0.71140500[mg/l] | 0.00843875[mg/l] | 0.02379300[mg/l] | 0.02709670[mg/l] | 0.01628870[mg/l] |
| ***Conc RSD*** | *1.27654326* | *1.08975667* | *2.02490846* | *19.51414605* | *1.74046568* | *1.32603970* | *0.18876522* |
| ***Conc SD*** | *0.06096260[mg/l]* | *0.00213625[mg/l]* | *0.01440530[mg/l]* | *0.00164675[mg/l]* | *0.00041411[mg/l]* | *0.00035931[mg/l]* | *0.00003075[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** | 177538 | 4885.12000000 | 12078.9000000 | 1229810 | 29804200 | 644193 | 9981620 |
| ***Int RSD*** | *0.83047573* | *0.61537076* | *0.74395599* | *0.63211390* | *0.26234423* | *0.53920797* | *1.15664592* |
| ***Int SD*** | *1474.41000000* | *30.06160000* | *89.86170000* | *7773.80000000* | *78189.6000000* | *3473.54000000* | *115452* |
| **RelInt Mean** | 0.00446406 | -0.00085749 | 0.00006768 | --- | --- | --- | 8.17143000 |
| ***RelInt RSD*** | *1.04844245* | *0.90147850* | *2.27606465* | --- | --- | --- | *1.71662732* |
| ***RelInt SD*** | *0.00004680* | *0.00000773* | *0.00000154* | --- | --- | --- | *0.14027300* |
| **Conc Mean** | 0.04285600[mg/l] | <-0.04625620[mg/l] | <0.00224711[mg/l] | 1220840 | 29741600 | 634534 | 25.49480000[mg/l] |
| ***Conc RSD*** | *1.05037334* | *0.95027694* | *11.76613517* | --- | --- | --- | *1.71663241* |
| ***Conc SD*** | *0.00045015[mg/l]* | *0.00043956[mg/l]* | *0.00026440[mg/l]* | *7757.15000000* | *77950.0000000* | *3546.60000000* | *0.43765200[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 3738.92000000 | 19879.2000000 | 134124 | 42904.1000000 | 7207.06000000 | 63548.0000000 | |
| ***Int RSD*** | *2.68122880* | *0.31943137* | *0.71140214* | *0.19612671* | *0.24806370* | *0.11123718* | |
| ***Int SD*** | *100.24900000* | *63.50040000* | *954.16100000* | *84.14640000* | *17.87810000* | *70.68900000* | |
| **RelInt Mean** | -0.00057717 | 0.00058396 | 0.10394200 | 0.02942110 | 0.00024641 | 0.04666190 | |
| ***RelInt RSD*** | *22.76124704* | *44.40897797* | *1.40868946* | *0.81605718* | *15.74819607* | *0.66519366* | |
| ***RelInt SD*** | *0.00013137* | *0.00025933* | *0.00146422* | *0.00024009* | *0.00003880* | *0.00031039* | |
| **Conc Mean** | <-0.00029677[mg/l] | <0.00186776[mg/l] | 1.36691000[mg/l] | 0.76738500[mg/l] | <0.00038865[mg/l] | 3.84080000[mg/l] | |
| ***Conc RSD*** | *113.76636767* | *92.20777830* | *1.42426348* | *0.82275911* | *31.94004889* | *0.66101073* | |
| ***Conc SD*** | *0.00033763[mg/l]* | *0.00172222[mg/l]* | *0.01946840[mg/l]* | *0.00631373[mg/l]* | *0.00012413[mg/l]* | *0.02538810[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-016 | Client ID: | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-WF |
| Seqnum: | 483497419133 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:33 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 2.297 | 110 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1233840 | -2.35 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-016,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:33:11 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 42973.4000000 | 20434.5000000 | 5011.68000000 | 9030.82000000 | 17996.9000000 | 106604 | 8729.34000000 |
| *Int RSD* | *0.12393225* | *1.24632362* | *2.18601347* | *0.16611448* | *0.38004379* | *0.49226389* | *0.55158924* |
| *Int SD* | *53.25790000* | *254.68000000* | *109.55600000* | *15.00150000* | *68.39610000* | *524.77300000* | *48.15010000* |
| RelInt Mean | 0.00003311 | 0.01625400 | -0.00049389 | 0.00187158 | 0.00868639 | 0.16327100 | 0.00159209 |
| *RelInt RSD* | *20.80124188* | *1.09041467* | *12.96832702* | *0.86278973* | *0.47265780* | *0.27796976* | *3.42158421* |
| *RelInt SD* | *0.00000689* | *0.00017724* | *0.00006405* | *0.00001615* | *0.00004106* | *0.00045384* | *0.00005447* |
| Conc Mean | <-0.00076422[mg/l] | 1.36078000[mg/l] | <-0.02053460[mg/l] | 0.01412280[mg/l] | 0.02332250[mg/l] | 8.20960000[mg/l] | 0.00748991[mg/l] |
| *Conc RSD* | *38.69877443* | *1.10687253* | *15.31371441* | *1.14554479* | *0.48497803* | *0.28616254* | *3.53427478* |
| *Conc SD* | *0.00029574[mg/l]* | *0.01506210[mg/l]* | *0.00314461[mg/l]* | *0.00016178[mg/l]* | *0.00011311[mg/l]* | *0.02349280[mg/l]* | *0.00026471[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 | 10098.9000000 | 152643 | 12127200 | 8842.90000000 | 19674.9000000 | 552552 | 5020.96000000 |
| *Int RSD* | *0.81249641* | *2.15930636* | *0.82244953* | *0.82264076* | *1.49948411* | *1.04368277* | *0.57997674* |
| *Int SD* | *82.05320000* | *3296.03000000* | *99740.1000000* | *72.74530000* | *295.02200000* | *5766.89000000* | *29.12040000* |
| RelInt Mean | 0.00290538 | 0.00389813 | 9.89244000 | 0.00552624 | 0.01396710 | 0.44410100 | -0.00037960 |
| *RelInt RSD* | *1.78138488* | *4.13169905* | *0.68692759* | *4.20209763* | *2.27668593* | *0.80969644* | *9.49449287* |
| *RelInt SD* | *0.00005176* | *0.00016106* | *0.06795390* | *0.00023222* | *0.00031799* | *0.00359587* | *0.00003604* |
| Conc Mean | 0.01610970[mg/l] | 0.12156500[mg/l] | 30.96390000[mg/l] | 1.33472000[mg/l] | 3.37936000[mg/l] | 0.26635300[mg/l] | <-0.00308637[mg/l] |
| *Conc RSD* | *1.82009597* | *4.36794308* | *0.68693220* | *5.62631114* | *2.40498793* | *0.81066104* | *8.53676001* |
| *Conc SD* | *0.00029321[mg/l]* | *0.00530989[mg/l]* | *0.21270100[mg/l]* | *0.07509550[mg/l]* | *0.08127320[mg/l]* | *0.00215922[mg/l]* | *0.00026348[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 | 95840.9000000 | 13251.1000000 | 95063.4000000 | 5788.87000000 | 5311.05000000 | 8848.92000000 | 20591.9000000 |
| *Int RSD* | *0.02953207* | *0.68103931* | *0.39155658* | *0.19654268* | *0.33296617* | *0.45698458* | *1.29923902* |
| *Int SD* | *28.30380000* | *90.24520000* | *372.22700000* | *11.37760000* | *17.68400000* | *40.43820000* | *267.53800000* |
| RelInt Mean | 0.12029900 | 0.00480805 | 0.07158390 | -0.00005908 | 0.00036739 | 0.00147844 | 0.01760780 |
| *RelInt RSD* | *0.32563197* | *1.02588575* | *0.69911391* | *10.64506028* | *5.15727156* | *3.20509456* | *1.84348982* |
| *RelInt SD* | *0.00039173* | *0.00004933* | *0.00050045* | *0.00000629* | *0.00001895* | *0.00004739* | *0.00032460* |
| Conc Mean | 6.05461000[mg/l] | 0.03377650[mg/l] | 2.29718000[mg/l] | <-0.00233059[mg/l] | 0.02040470[mg/l] | 0.02713460[mg/l] | 0.01657530[mg/l] |
| *Conc RSD* | *0.35809738* | *1.06404749* | *0.69831271* | *11.84772954* | *5.49451842* | *3.24250219* | *1.91652036* |
| *Conc SD* | *0.02168140[mg/l]* | *0.00035940[mg/l]* | *0.01604150[mg/l]* | *0.00027612[mg/l]* | *0.00112114[mg/l]* | *0.00087984[mg/l]* | *0.00031767[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 | 274764 | 4778.02000000 | 12333.1000000 | 1233840 | 29512300 | 635251 | 14559500 |
| *Int RSD* | *3.82422734* | *0.56656732* | *0.81385864* | *0.25412128* | *1.23680974* | *0.35963737* | *0.59782754* |
| *Int SD* | *10507.6000000* | *27.07070000* | *100.37400000* | *3135.45000000* | *365011* | *2284.60000000* | *87040.7000000* |
| RelInt Mean | 0.00779651 | -0.00077200 | 0.00007740 | --- | --- | --- | 11.88000000 |
| *RelInt RSD* | *5.37762409* | *1.09664508* | *1.20609079* | --- | --- | --- | *0.34911953* |
| *RelInt SD* | *0.00041927* | *0.00000847* | *0.00000093* | --- | --- | --- | *0.04147540* |
| Conc Mean | 0.07490590[mg/l] | <-0.04146730[mg/l] | 0.00391558[mg/l] | 1224950 | 29448700 | 625644 | >37.06620000[mg/l] |
| *Conc RSD* | *5.38312736* | *1.18045785* | *4.09001987* | --- | --- | --- | *0.34948821* |
| *Conc SD* | *0.00403228[mg/l]* | *0.00048950[mg/l]* | *0.00016015[mg/l]* | *3101.55000000* | *364353* | *2313.34000000* | *0.12954200[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3785.32000000 | 19690.9000000 | 216882 | 45360.1000000 | 7189.65000000 | 63100.5000000 | |
| *Int RSD* | *5.05777583* | *0.51395822* | *0.31643889* | *0.90968274* | *0.17614209* | *0.73428578* | |
| *Int SD* | *191.45300000* | *101.20300000* | *686.29900000* | *412.63300000* | *12.66400000* | *463.33800000* | |
| RelInt Mean | -0.00048258 | 0.00034885 | 0.17101400 | 0.03151060 | 0.00024788 | 0.04619170 | |
| *RelInt RSD* | *43.07122935* | *34.48109800* | *0.33317740* | *1.12065146* | *6.14836271* | *0.98077577* | |
| *RelInt SD* | *0.00020785* | *0.00012029* | *0.00056978* | *0.00035312* | *0.00001524* | *0.00045304* | |
| Conc Mean | <-0.00005367[mg/l] | <0.00030639[mg/l] | 2.25845000[mg/l] | 0.82233300[mg/l] | <0.00040300[mg/l] | 3.80234000[mg/l] | |
| *Conc RSD* | *995.31772575* | *260.72731783* | *0.33506653* | *1.12916057* | *14.54379426* | *0.97457618* | |
| *Conc SD* | *0.00053419[mg/l]* | *0.00079883[mg/l]* | *0.00756731[mg/l]* | *0.00928546[mg/l]* | *0.00005861[mg/l]* | *0.03705670[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-017 | Client ID: | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-DUP-WF |
| Seqnum: | 483497419134 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:36 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.711 | 86 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1241970 | -1.71 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-017,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:36:26 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 42246.7000000 | 16759.6000000 | 4939.37000000 | 9460.75000000 | 14175.3000000 | 94953.5000000 | 8478.46000000 |
| *Int RSD* | *0.98046475* | *0.84946538* | *1.92759805* | *0.49928811* | *1.08916919* | *0.50296724* | *0.23360964* |
| *Int SD* | *414.21400000* | *142.36700000* | *95.21120000* | *47.23640000* | *154.39300000* | *477.58500000* | *19.80650000* |
| RelInt Mean | 0.00002986 | 0.01023710 | -0.00056106 | 0.00218297 | 0.00556115 | 0.14325400 | 0.00140142 |
| *RelInt RSD* | *4.96900941* | *1.64882633* | *7.34860435* | *1.33372882* | *1.42412271* | *0.58705795* | *1.09301280* |
| *RelInt SD* | *0.00000148* | *0.00016879* | *0.00004123* | *0.00002911* | *0.00007920* | *0.00084098* | *0.00001532* |
| Conc Mean | <-0.00090365[mg/l] | 0.84931200[mg/l] | <-0.02382980[mg/l] | 0.01724270[mg/l] | 0.01478100[mg/l] | 7.17294000[mg/l] | 0.00659086[mg/l] |
| *Conc RSD* | *7.05136363* | *1.68950868* | *8.49566509* | *1.69183481* | *1.46404844* | *0.60717084* | *1.18945024* |
| *Conc SD* | *0.00006372[mg/l]* | *0.01434920[mg/l]* | *0.00202450[mg/l]* | *0.00029172[mg/l]* | *0.00021640[mg/l]* | *0.04355200[mg/l]* | *0.00007839[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 | 9370.89000000 | 141778 | 11092200 | 9426.51000000 | 19465.5000000 | 457954 | 4949.91000000 |
| *Int RSD* | *0.50426907* | *2.55161591* | *0.88567011* | *1.09838106* | *1.79234543* | *0.73035501* | *0.22449903* |
| *Int SD* | *47.25450000* | *3617.63000000* | *98240.3000000* | *103.53900000* | *348.88900000* | *3344.69000000* | *11.11250000* |
| RelInt Mean | 0.00229422 | 0.00347914 | 8.98806000 | 0.00638736 | 0.01330460 | 0.36449600 | -0.00034450 |
| *RelInt RSD* | *1.20238251* | *3.95890939* | *0.45110402* | *2.97326282* | *3.44643958* | *0.23460669* | *3.33910015* |
| *RelInt SD* | *0.00002759* | *0.00013774* | *0.04054550* | *0.00018991* | *0.00045854* | *0.00085513* | *0.00001150* |
| Conc Mean | 0.01264760[mg/l] | 0.10775100[mg/l] | 28.13300000[mg/l] | 1.61319000[mg/l] | 3.21004000[mg/l] | 0.21855200[mg/l] | <-0.00282978[mg/l] |
| *Conc RSD* | *1.23533319* | *4.21431820* | *0.45099350* | *3.80722048* | *3.65085793* | *0.23469609* | *2.97158083* |
| *Conc SD* | *0.00015624[mg/l]* | *0.00454097[mg/l]* | *0.12687800[mg/l]* | *0.06141770[mg/l]* | *0.11719400[mg/l]* | *0.00051293[mg/l]* | *0.00008409[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 | 99533.6000000 | 11899.2000000 | 73019.9000000 | 5666.18000000 | 5306.84000000 | 8769.14000000 | 20160.6000000 |
| *Int RSD* | *0.42370617* | *0.92138127* | *0.91638581* | *0.60139988* | *0.74268868* | *0.45575165* | *0.83500987* |
| *Int SD* | *421.73000000* | *109.63700000* | *669.14400000* | *34.07640000* | *39.41330000* | *39.96550000* | *168.34300000* |
| RelInt Mean | 0.12492200 | 0.00369664 | 0.05329120 | 0.00000246 | 0.00035960 | 0.00138195 | 0.01673170 |
| *RelInt RSD* | *0.89621524* | *2.13252575* | *0.47288108* | *1737.12000195* | *4.07830302* | *2.54442635* | *1.47490691* |
| *RelInt SD* | *0.00111957* | *0.00007883* | *0.00025200* | *0.00004274* | *0.00001467* | *0.00003516* | *0.00024678* |
| Conc Mean | 6.31033000[mg/l] | 0.02567910[mg/l] | 1.71110000[mg/l] | <0.00039676[mg/l] | 0.01994390[mg/l] | 0.02534290[mg/l] | 0.01571780[mg/l] |
| *Conc RSD* | *0.98117848* | *2.23672559* | *0.47208579* | *473.63128154* | *4.35099454* | *2.57622845* | *1.53676087* |
| *Conc SD* | *0.06191560[mg/l]* | *0.00057437[mg/l]* | *0.00807786[mg/l]* | *0.00187917[mg/l]* | *0.00086776[mg/l]* | *0.00065289[mg/l]* | *0.00024154[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 | 206730 | 4766.06000000 | 12008.5000000 | 1241970 | 30099900 | 641497 | 10474600 |
| *Int RSD* | *2.03996033* | *0.43572469* | *1.36632385* | *0.67597768* | *0.74113867* | *0.41175719* | *0.94093235* |
| *Int SD* | *4217.21000000* | *20.76690000* | *164.07500000* | *8395.44000000* | *223082* | *2641.41000000* | *98558.9000000* |
| RelInt Mean | 0.00540392 | -0.00078150 | 0.00007253 | --- | --- | --- | 8.48941000 |
| *RelInt RSD* | *3.43026914* | *4.06331134* | *4.25909099* | --- | --- | --- | *0.45475952* |
| *RelInt SD* | *0.00018537* | *0.00003175* | *0.00000309* | --- | --- | --- | *0.03860640* |
| Conc Mean | 0.05189510[mg/l] | <-0.04195110[mg/l] | 0.00307940[mg/l] | 1233080 | 30037000 | 631764 | 26.48700000[mg/l] |
| *Conc RSD* | *3.43529543* | *4.31859951* | *17.21971813* | --- | --- | --- | *0.45485710* |
| *Conc SD* | *0.00178275[mg/l]* | *0.00181170[mg/l]* | *0.00053026[mg/l]* | *8347.31000000* | *222881* | *2654.95000000* | *0.12047800[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3746.56000000 | 19866.1000000 | 154576 | 58126.2000000 | 7152.12000000 | 57401.8000000 | |
| *Int RSD* | *3.59647250* | *1.10972461* | *0.96859797* | *0.32044414* | *0.40441296* | *0.29396116* | |
| *Int SD* | *134.74400000* | *220.45900000* | *1497.22000000* | *186.26200000* | *28.92410000* | *168.73900000* | |
| RelInt Mean | -0.00052696 | 0.00046034 | 0.11946900 | 0.04161260 | 0.00024251 | 0.04123330 | |
| *RelInt RSD* | *31.52370488* | *25.69623058* | *0.59266923* | *0.65829821* | *13.29145190* | *0.49969078* | |
| *RelInt SD* | *0.00016612* | *0.00011829* | *0.00070806* | *0.00027394* | *0.00003223* | *0.00020604* | |
| Conc Mean | <-0.00016772[mg/l] | <0.00104675[mg/l] | 1.57330000[mg/l] | 1.08800000[mg/l] | <0.00039800[mg/l] | 3.39680000[mg/l] | |
| *Conc RSD* | *254.54594237* | *75.04705039* | *0.59791140* | *0.66207904* | *27.17935060* | *0.49606689* | |
| *Conc SD* | *0.00042693[mg/l]* | *0.00078555[mg/l]* | *0.00940694[mg/l]* | *0.00720342[mg/l]* | *0.00010817[mg/l]* | *0.01685040[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-019 | Client ID: | AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-L-LA |
| Seqnum: | 483497419135 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:39 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 4.135 | 210 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1225520 | -3.01 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-019,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:39:40 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 43011.0000000 | 29849.3000000 | 5701.72000000 | 10271.1000000 | 15808.6000000 | 102897 | 11121.0000000 |
| *Int RSD* | *0.77789403* | *1.02193016* | *0.63771634* | *0.19536953* | *0.38534152* | *0.10284556* | *0.46338369* |
| *Int SD* | *334.58000000* | *305.03900000* | *36.36080000* | *20.06660000* | *60.91710000* | *105.82500000* | *51.53290000* |
| RelInt Mean | 0.00001903 | 0.03103380 | 0.00000681 | 0.00241266 | 0.00668642 | 0.15717000 | 0.00340774 |
| *RelInt RSD* | *36.71217759* | *0.46887587* | *551.44944677* | *2.43470278* | *0.59444815* | *0.17570529* | *1.97983708* |
| *RelInt SD* | *0.00000699* | *0.00014551* | *0.00003753* | *0.00005874* | *0.00003975* | *0.00027616* | *0.00006747* |
| Conc Mean | <-0.00136893[mg/l] | 2.61715000[mg/l] | 0.00400974[mg/l] | 0.01954390[mg/l] | 0.01785250[mg/l] | 7.89363000[mg/l] | 0.01630700[mg/l] |
| *Conc RSD* | *21.91193122* | *0.47270886* | *45.96507504* | *3.01125671* | *0.60534379* | *0.18106118* | *2.02619734* |
| *Conc SD* | *0.00029996[mg/l]* | *0.01237150[mg/l]* | *0.00184308[mg/l]* | *0.00058852[mg/l]* | *0.00010807[mg/l]* | *0.01429230[mg/l]* | *0.00033041[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 | 20392.2000000 | 329174 | 35051100 | 9379.63000000 | 22859.5000000 | 1238260 | 5547.07000000 |
| *Int RSD* | *0.55185316* | *3.77903480* | *0.32862877* | *3.18207648* | *1.76827140* | *0.92555683* | *0.38148788* |
| *Int SD* | *112.53500000* | *12439.6000000* | *115188* | *298.46700000* | *404.21800000* | *11460.8000000* | *21.16140000* |
| RelInt Mean | 0.01094800 | 0.00978824 | 28.81120000 | 0.00627453 | 0.01876770 | 1.01023000 | -0.00021194 |
| *RelInt RSD* | *1.14629156* | *4.59581089* | *0.65429069* | *4.89160144* | *0.93337489* | *0.54425725* | *10.14386351* |
| *RelInt SD* | *0.00012550* | *0.00044985* | *0.18850900* | *0.00030692* | *0.00017517* | *0.00549825* | *0.00002150* |
| Conc Mean | 0.06166990[mg/l] | 0.31576100[mg/l] | 90.18280000[mg/l] | 1.57670000[mg/l] | 4.60624000[mg/l] | 0.60630100[mg/l] | <-0.00186070[mg/l] |
| *Conc RSD* | *1.15271794* | *4.69684350* | *0.65428441* | *6.29507833* | *0.97193155* | *0.54449193* | *8.44617617* |
| *Conc SD* | *0.00071088[mg/l]* | *0.01483080[mg/l]* | *0.59005200[mg/l]* | *0.09925450[mg/l]* | *0.04476950[mg/l]* | *0.00330126[mg/l]* | *0.00015716[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 | 98546.3000000 | 90338.6000000 | 164505 | 6722.92000000 | 5490.86000000 | 10693.2000000 | 22119.6000000 |
| *Int RSD* | *0.28130635* | *0.42489257* | *0.44874745* | *0.13034678* | *0.69926569* | *0.65275970* | *1.55580119* |
| *Int SD* | *277.21700000* | *383.84200000* | *738.21200000* | *8.76311000* | *38.39570000* | *69.80090000* | *344.13700000* |
| RelInt Mean | 0.12447500 | 0.06791080 | 0.12901700 | 0.00057074 | 0.00029003 | 0.00295485 | 0.01990040 |
| *RelInt RSD* | *0.20044186* | *1.01798388* | *1.10350574* | *3.24442568* | *11.40127850* | *0.93648070* | *1.84471166* |
| *RelInt SD* | *0.00024950* | *0.00069132* | *0.00142371* | *0.00001852* | *0.00003307* | *0.00002767* | *0.00036711* |
| Conc Mean | 6.28557000[mg/l] | 0.49352800[mg/l] | 4.13479000[mg/l] | 0.02510750[mg/l] | 0.01582710[mg/l] | 0.05454870[mg/l] | 0.01881920[mg/l] |
| *Conc RSD* | *0.21979073* | *1.02065942* | *1.10286133* | *3.24566365* | *12.36221418* | *0.94198945* | *1.90929476* |
| *Conc SD* | *0.01381510[mg/l]* | *0.00503724[mg/l]* | *0.04560100[mg/l]* | *0.00081491[mg/l]* | *0.00195658[mg/l]* | *0.00051384[mg/l]* | *0.00035931[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 | 493055 | 4910.16000000 | 13184.5000000 | 1225520 | 29723100 | 635530 | 16287500 |
| *Int RSD* | *4.31586740* | *0.20371638* | *2.00672760* | *0.81943991* | *0.50603403* | *0.16747754* | *0.44768749* |
| *Int SD* | *21279.6000000* | *10.00280000* | *264.57700000* | *10042.4000000* | *150409* | *1064.37000000* | *72917.1000000* |
| RelInt Mean | 0.01509200 | -0.00078961 | 0.00009659 | --- | --- | --- | 13.38660000 |
| *RelInt RSD* | *5.07621919* | *0.56040070* | *4.35889551* | --- | --- | --- | *0.99382965* |
| *RelInt SD* | *0.00076610* | *0.00000442* | *0.00000421* | --- | --- | --- | *0.13304000* |
| Conc Mean | 0.14507100[mg/l] | <-0.04265090[mg/l] | 0.00720980[mg/l] | 1216200 | 29658800 | 625828 | >41.76700000[mg/l] |
| *Conc RSD* | *5.07868561* | *0.54795796* | *10.02375933* | --- | --- | --- | *0.99374386* |
| *Conc SD* | *0.00736770[mg/l]* | *0.00023371[mg/l]* | *0.00072269[mg/l]* | *10016.9000000* | *150400* | *989.14100000* | *0.41505700[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3838.60000000 | 19930.5000000 | 398197 | 59198.6000000 | 7461.88000000 | 60883.4000000 | |
| *Int RSD* | *3.41814724* | *1.65196056* | *0.29324681* | *0.29525360* | *0.64674988* | *0.55177273* | |
| *Int SD* | *131.20900000* | *329.24400000* | *1167.70000000* | *174.78600000* | *48.25970000* | *335.93800000* | |
| RelInt Mean | -0.00045562 | 0.00059320 | 0.32057800 | 0.04306920 | -0.00000760 | 0.04458950 | |
| *RelInt RSD* | *11.18700946* | *28.58173579* | *1.14831336* | *0.89468808* | *830.51844405* | *1.33410332* | |
| *RelInt SD* | *0.00005097* | *0.00016955* | *0.00368124* | *0.00038534* | *0.00006312* | *0.00059487* | |
| Conc Mean | <0.00001561[mg/l] | <0.00192913[mg/l] | 4.24645000[mg/l] | 1.12630000[mg/l] | <-0.00049468[mg/l] | 3.67131000[mg/l] | |
| *Conc RSD* | *838.94891222* | *58.36672490* | *1.15221420* | *0.89956495* | *40.48471445* | *1.32529533* | |
| *Conc SD* | *0.00013100[mg/l]* | *0.00112597[mg/l]* | *0.04892820[mg/l]* | *0.01013180[mg/l]* | *0.00020027[mg/l]* | *0.04865570[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-021 | Client ID: | AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-L-LA |
| Seqnum: | 483497419136 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:42 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 2.979 | 150 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1223400 | -3.18 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-021,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:42:55 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 42486.6000000 | 22335.6000000 | 5531.27000000 | 10077.8000000 | 15717.2000000 | 133241 | 8160.50000000 |
| *Int RSD* | *0.73459161* | *0.99922545* | *0.58342478* | *0.31428983* | *0.77933729* | *0.41209388* | *0.84655475* |
| *Int SD* | *312.10300000* | *223.18300000* | *32.27080000* | *31.67350000* | *122.49000000* | *549.07800000* | *69.08310000* |
| RelInt Mean | 0.00002438 | 0.01914480 | -0.00050878 | 0.00273512 | 0.00686419 | 0.20604900 | 0.00114227 |
| *RelInt RSD* | *20.87874500* | *0.47749467* | *7.62761901* | *1.52802802* | *1.51988800* | *0.29547777* | *2.03471158* |
| *RelInt SD* | *0.00000509* | *0.00009142* | *0.00003881* | *0.00004179* | *0.00010433* | *0.00060883* | *0.00002324* |
| Conc Mean | <-0.00113902[mg/l] | 1.60652000[mg/l] | <-0.02127420[mg/l] | 0.02277450[mg/l] | 0.01834450[mg/l] | 10.42510000[mg/l] | 0.00525052[mg/l] |
| *Conc RSD* | *19.19141016* | *0.48349538* | *8.95718758* | *1.83868801* | *1.54929270* | *0.30258223* | *2.12765593* |
| *Conc SD* | *0.00021859[mg/l]* | *0.00776745[mg/l]* | *0.00190557[mg/l]* | *0.00041875[mg/l]* | *0.00028421[mg/l]* | *0.03154450[mg/l]* | *0.00011171[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 | 12176.1000000 | 345919 | 14737100 | 9950.57000000 | 21204.7000000 | 542582 | 5137.24000000 |
| *Int RSD* | *0.10786787* | *3.27579578* | *0.57964118* | *1.24539599* | *0.93979637* | *0.65234011* | *0.67622887* |
| *Int SD* | *13.13410000* | *11331.6000000* | *85422.3000000* | *123.92400000* | *199.28100000* | *3539.48000000* | *34.73950000* |
| RelInt Mean | 0.00461279 | 0.01039730 | 12.12640000 | 0.00737012 | 0.01640800 | 0.43961800 | -0.00044422 |
| *RelInt RSD* | *0.32042213* | *4.09981437* | *0.71865022* | *1.74941521* | *1.36704656* | *0.67428540* | *7.67321450* |
| *RelInt SD* | *0.00001478* | *0.00042627* | *0.08714640* | *0.00012893* | *0.00022431* | *0.00296428* | *0.00003409* |
| Conc Mean | 0.02578190[mg/l] | 0.33584300[mg/l] | 37.95650000[mg/l] | 1.93100000[mg/l] | 4.00318000[mg/l] | 0.26366100[mg/l] | <-0.00355876[mg/l] |
| *Conc RSD* | *0.32464908* | *4.18472322* | *0.71891771* | *2.15931642* | *1.43179922* | *0.67498417* | *7.00187706* |
| *Conc SD* | *0.00008370[mg/l]* | *0.01405410[mg/l]* | *0.27287600[mg/l]* | *0.04169640[mg/l]* | *0.05731750[mg/l]* | *0.00177967[mg/l]* | *0.00024918[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 | 106454 | 18644.7000000 | 120185 | 6036.48000000 | 5681.36000000 | 10958.5000000 | 23328.7000000 |
| *Int RSD* | *0.77433727* | *0.47148948* | *0.43655032* | *0.66097958* | *0.70658082* | *0.36894009* | *0.79190868* |
| *Int SD* | *824.31300000* | *87.90780000* | *524.66800000* | *39.89990000* | *40.14340000* | *40.43030000* | *184.74200000* |
| RelInt Mean | 0.13753000 | 0.00925155 | 0.09286910 | 0.00008841 | 0.00044589 | 0.00246512 | 0.02202330 |
| *RelInt RSD* | *0.29562932* | *0.80769276* | *0.53869479* | *27.62405881* | *0.68927329* | *1.71756345* | *0.80358983* |
| *RelInt SD* | *0.00040658* | *0.00007472* | *0.00050028* | *0.00002442* | *0.00000307* | *0.00004234* | *0.00017698* |
| Conc Mean | 7.00775000[mg/l] | 0.06615080[mg/l] | 2.97903000[mg/l] | 0.00410067[mg/l] | 0.02504940[mg/l] | 0.04545530[mg/l] | 0.02089700[mg/l] |
| *Conc RSD* | *0.32084050* | *0.82293336* | *0.53793685* | *26.20474215* | *0.72590561* | *1.72957829* | *0.82906637* |
| *Conc SD* | *0.02248370[mg/l]* | *0.00054438[mg/l]* | *0.01602530[mg/l]* | *0.00107457[mg/l]* | *0.00018183[mg/l]* | *0.00078618[mg/l]* | *0.00017325[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 | 320719 | 5094.72000000 | 12345.7000000 | 1223400 | 29676900 | 634672 | 13125200 |
| *Int RSD* | *0.69278714* | *0.62410692* | *0.65068485* | *0.13641000* | *1.12227018* | *0.72713622* | *0.75802959* |
| *Int SD* | *2221.90000000* | *31.79650000* | *80.33160000* | *1668.84000000* | *333055* | *4614.93000000* | *99492.9000000* |
| RelInt Mean | 0.00932070 | -0.00091491 | 0.00008327 | --- | --- | --- | 10.80130000 |
| *RelInt RSD* | *1.78014527* | *1.61969322* | *3.41503894* | --- | --- | --- | *0.88304834* |
| *RelInt SD* | *0.00016592* | *0.00001482* | *0.00000284* | --- | --- | --- | *0.09538070* |
| Conc Mean | 0.08956470[mg/l] | <-0.04964320[mg/l] | 0.00492431[mg/l] | 1214520 | 29614100 | 625136 | 33.70050000[mg/l] |
| *Conc RSD* | *1.78162825* | *1.69216126* | *9.91196736* | --- | --- | --- | *0.88296613* |
| *Conc SD* | *0.00159571[mg/l]* | *0.00084004[mg/l]* | *0.00048810[mg/l]* | *1725.66000000* | *332237* | *4534.30000000* | *0.29756400[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3763.85000000 | 19725.0000000 | 258305 | 67462.3000000 | 7211.78000000 | 69119.8000000 | |
| *Int RSD* | *2.08165575* | *0.20118885* | *0.42541956* | *0.68593274* | *0.77559632* | *0.82151569* | |
| *Int SD* | *78.35040000* | *39.68450000* | *1098.88000000* | *462.74600000* | *55.93430000* | *567.83000000* | |
| RelInt Mean | -0.00046267 | 0.00059968 | 0.20646600 | 0.04936280 | 0.00023778 | 0.05117190 | |
| *RelInt RSD* | *72.25257743* | *32.69098647* | *0.31677128* | *0.83404912* | *16.52446179* | *1.00997813* | |
| *RelInt SD* | *0.00033429* | *0.00019604* | *0.00065403* | *0.00041171* | *0.00003929* | *0.00051682* | |
| Conc Mean | <-0.00000249[mg/l] | <0.00197211[mg/l] | 2.72970000[mg/l] | 1.29180000[mg/l] | <0.00037373[mg/l] | 4.20968000[mg/l] | |
| *Conc RSD* | *34443.5980804* | *66.01558737* | *0.31825732* | *0.83788512* | *35.03474443* | *1.00405969* | |
| *Conc SD* | *0.00085914[mg/l]* | *0.00130190[mg/l]* | *0.00868747[mg/l]* | *0.01082380[mg/l]* | *0.00013093[mg/l]* | *0.04226770[mg/l]* | |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | 497480-023 | Client ID: | AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-L-LA |
| Seqnum: | 483497419137 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 18:46 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.456 | 73 | 0.50 | | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1245210 | -1.45 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: 497480-023,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:46:10 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| Int Mean | 43227.3000000 | 25075.8000000 | 5482.50000000 | 9597.56000000 | 15811.6000000 | 125854 | 9408.89000000 |
| *Int RSD* | *1.30658866* | *0.45523971* | *1.04516370* | *1.40777448* | *1.09638493* | *0.46792156* | *0.25343160* |
| *Int SD* | *564.80300000* | *114.15500000* | *57.30110000* | *135.11200000* | *173.35600000* | *588.89800000* | *23.84510000* |
| RelInt Mean | 0.00002899 | 0.02319020 | 0.00004551 | 0.00195765 | 0.00671509 | 0.19159900 | 0.00202686 |
| *RelInt RSD* | *18.90881934* | *0.10554545* | *110.27742070* | *4.60614001* | *2.57963780* | *0.53443390* | *0.65639955* |
| *RelInt SD* | *0.00000548* | *0.00002448* | *0.00005019* | *0.00009017* | *0.00017323* | *0.00102397* | *0.00001330* |
| Conc Mean | <-0.00094119[mg/l] | 1.95041000[mg/l] | 0.00592736[mg/l] | 0.01498530[mg/l] | 0.01792970[mg/l] | 9.67668000[mg/l] | 0.00959943[mg/l] |
| *Conc RSD* | *25.00849990* | *0.10660989* | *41.56690331* | *6.02858134* | *2.63794152* | *0.54811464* | *0.65700568* |
| *Conc SD* | *0.00023538[mg/l]* | *0.00207933[mg/l]* | *0.00246382[mg/l]* | *0.00090340[mg/l]* | *0.00047298[mg/l]* | *0.05303930[mg/l]* | *0.00006307[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 | 16165.6000000 | 736502 | 27242600 | 9044.09000000 | 21048.8000000 | 813179 | 5213.77000000 |
| *Int RSD* | *0.39766851* | *3.69481685* | *0.15164448* | *0.78821639* | *1.01166812* | *0.05082706* | *0.28663328* |
| *Int SD* | *64.28550000* | *27212.4000000* | *41311.9000000* | *71.28700000* | *212.94400000* | *413.31500000* | *14.94440000* |
| RelInt Mean | 0.00748474 | 0.02320010 | 22.03100000 | 0.00569079 | 0.01569800 | 0.65043900 | -0.00016783 |
| *RelInt RSD* | *0.90797409* | *5.45234719* | *0.29404294* | *2.96602053* | *2.21281692* | *0.40655004* | *14.32897363* |
| *RelInt SD* | *0.00006796* | *0.00126495* | *0.06478060* | *0.00016879* | *0.00034737* | *0.00264436* | *0.00002405* |
| Conc Mean | 0.04205100[mg/l] | 0.75794900[mg/l] | 68.95970000[mg/l] | 1.38793000[mg/l] | 3.82171000[mg/l] | 0.39025400[mg/l] | <-0.00153822[mg/l] |
| *Conc RSD* | *0.91539559* | *5.50238868* | *0.29412686* | *3.93259026* | *2.32308836* | *0.40689141* | *11.42879432* |
| *Conc SD* | *0.00038493[mg/l]* | *0.04170530[mg/l]* | *0.20282900[mg/l]* | *0.05458160[mg/l]* | *0.08878170[mg/l]* | *0.00158791[mg/l]* | *0.00017580[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 | 74081.2000000 | 31582.0000000 | 63497.3000000 | 6080.40000000 | 5214.07000000 | 13040.1000000 | 20874.5000000 |
| *Int RSD* | *0.80442406* | *0.26371034* | *0.36879993* | *0.08684198* | *0.25249182* | *0.86354399* | *0.33488419* |
| *Int SD* | *595.92700000* | *83.28500000* | *234.17800000* | *5.28034000* | *13.16510000* | *112.60700000* | *69.90540000* |
| RelInt Mean | 0.08439660 | 0.01945740 | 0.04539290 | 0.00038379 | 0.00032101 | 0.00521534 | 0.01778470 |
| *RelInt RSD* | *0.96442985* | *0.69499522* | *0.36407896* | *6.41743055* | *0.21776840* | *1.83279709* | *0.83946876* |
| *RelInt SD* | *0.00081395* | *0.00013523* | *0.00016527* | *0.00002463* | *0.00000070* | *0.00009559* | *0.00014930* |
| Conc Mean | 4.06862000[mg/l] | 0.14050800[mg/l] | 1.45559000[mg/l] | 0.01699860[mg/l] | 0.01766020[mg/l] | 0.09652160[mg/l] | 0.01674850[mg/l] |
| *Conc RSD* | *1.10658897* | *0.70097290* | *0.36366010* | *6.38093725* | *0.23453302* | *1.83886301* | *0.87275278* |
| *Conc SD* | *0.04502290[mg/l]* | *0.00098492[mg/l]* | *0.00529340[mg/l]* | *0.00108467[mg/l]* | *0.00004142[mg/l]* | *0.00177490[mg/l]* | *0.00014617[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 | 335468 | 4657.84000000 | 12902.6000000 | 1245210 | 30117800 | 642753 | 9139400 |
| *Int RSD* | *0.93433055* | *0.35642916* | *1.10220421* | *0.41495812* | *1.81366833* | *0.18840830* | *0.66601199* |
| *Int SD* | *3134.38000000* | *16.60190000* | *142.21300000* | *5167.10000000* | *546237* | *1211.00000000* | *60869.5000000* |
| RelInt Mean | 0.00965404 | -0.00070856 | 0.00008940 | --- | --- | --- | 7.38893000 |
| *RelInt RSD* | *1.80213672* | *2.81164440* | *5.24575072* | --- | --- | --- | *0.26102832* |
| *RelInt SD* | *0.00017398* | *0.00001992* | *0.00000469* | --- | --- | --- | *0.01928720* |
| Conc Mean | 0.09277070[mg/l] | <-0.03790330[mg/l] | 0.00597532[mg/l] | 1236060 | 30053400 | 633075 | 23.05330000[mg/l] |
| *Conc RSD* | *1.80365137* | *2.99322223* | *13.47241654* | --- | --- | --- | *0.26107238* |
| *Conc SD* | *0.00167326[mg/l]* | *0.00113453[mg/l]* | *0.00080502[mg/l]* | *5162.57000000* | *545656* | *1286.68000000* | *0.06018580[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3832.05000000 | 20129.0000000 | 293591 | 45307.6000000 | 7305.36000000 | 55024.9000000 | |
| *Int RSD* | *4.78519330* | *1.44616722* | *0.32121829* | *0.09196537* | *0.88548819* | *0.56827364* | |
| *Int SD* | *183.37100000* | *291.09900000* | *943.06800000* | *41.66730000* | *64.68810000* | *312.69200000* | |
| RelInt Mean | -0.00040981 | 0.00079764 | 0.23114800 | 0.03145330 | 0.00006349 | 0.03936260 | |
| *RelInt RSD* | *71.50324054* | *36.30383517* | *0.58145431* | *0.52016164* | *98.30641427* | *0.71543292* | |
| *RelInt SD* | *0.00029303* | *0.00028958* | *0.00134402* | *0.00016361* | *0.00006241* | *0.00028161* | |
| Conc Mean | <0.00013336[mg/l] | <0.00328679[mg/l] | 3.05771000[mg/l] | 0.82082400[mg/l] | <-0.00027673[mg/l] | 3.24380000[mg/l] | |
| *Conc RSD* | *564.69309099* | *58.50845354* | *0.58416920* | *0.52421835* | *68.14356284* | *0.71011776* | |
| *Conc SD* | *0.00075309[mg/l]* | *0.00192305[mg/l]* | *0.01786220[mg/l]* | *0.00430291[mg/l]* | *0.00018857[mg/l]* | *0.02303480[mg/l]* | |

ENTHALPY BLANK USER REPORT FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | Lab ID: | QC1112313 | | |
| Seqnum: | 483497419121.1 | Matrix: | Wipe | | |
| File: | met06_master011 | Batch: | 328089 | Time: | 11-DEC-2023 17:54 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |
| IDF: | 1.0 | Raw Units: | mg/l | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Flags |
|---|---|---|---|---|---|
| **Lead** | A | 0.0003124 | ND | 0.50 | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | BLANK Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1154430 | -8.64 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: BLANK,QC1112313,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 17:54:16 | 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 | 44523.5000000 | 10406.4000000 | 3328.11000000 | 7042.26000000 | 7774.13000000 | 7496.93000000 | 6913.57000000 |
| *Int RSD* | *0.53294328* | *0.31128536* | *0.72326335* | *0.24673897* | *0.60988432* | *0.33946829* | *0.67006192* |
| *Int SD* | *237.28500000* | *32.39360000* | *24.07100000* | *17.37600000* | *47.41320000* | *25.44970000* | *46.32520000* |
| RelInt Mean | 0.00003729 | 0.00034517 | -0.00023255 | 0.00027317 | 0.00038841 | 0.00490698 | 0.00007641 |
| *RelInt RSD* | *16.52530351* | *46.72655951* | *7.29125278* | *16.16329937* | *11.46289092* | *1.60980685* | *37.19832054* |
| *RelInt SD* | *0.00000616* | *0.00016129* | *0.00001696* | *0.00004415* | *0.00004452* | *0.00007899* | *0.00002842* |
| Conc Mean | <-0.00058481[mg/l] | <0.00842844[mg/l] | <-0.00768898[mg/l] | <-0.00189130[mg/l] | <0.00062543[mg/l] | <0.00793282[mg/l] | <0.00015260[mg/l] |
| *Conc RSD* | *45.24537071* | *162.66948569* | *10.82910867* | *23.38930894* | *19.44799754* | *51.57333710* | *91.20964095* |
| *Conc SD* | *0.00026460[mg/l]* | *0.01371050[mg/l]* | *0.00083265[mg/l]* | *0.00044236[mg/l]* | *0.00012163[mg/l]* | *0.00409122[mg/l]* | *0.00013919[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 | 6783.80000000 | 45589.2000000 | 27666.6000000 | 6528.28000000 | 11553.5000000 | 13014.9000000 | 4762.33000000 |
| *Int RSD* | *0.87403520* | *0.45459670* | *6.18019561* | *1.19357472* | *0.96905700* | *0.70194316* | *1.68465016* |
| *Int SD* | *59.29280000* | *207.24700000* | *1709.85000000* | *77.91990000* | *111.96000000* | *91.35720000* | *80.22860000* |
| RelInt Mean | 0.00014794 | 0.00023620 | 0.01664610 | 0.00145269 | 0.00019581 | 0.00411028 | 0.00038704 |
| *RelInt RSD* | *22.88573456* | *2.86155930* | *8.98096251* | *4.39023467* | *29.87840378* | *1.60125588* | *20.42985665* |
| *RelInt SD* | *0.00003386* | *0.00000676* | *0.00149498* | *0.00006378* | *0.00005851* | *0.00006582* | *0.00007907* |
| Conc Mean | <0.00048936[mg/l] | 0.00083165[mg/l] | 0.05092270[mg/l] | <0.01740550[mg/l] | <-0.14018800[mg/l] | 0.00214825[mg/l] | 0.00251802[mg/l] |
| *Conc RSD* | *39.19360475* | *26.79462946* | *9.18963449* | *118.49760133* | *10.66603418* | *1.83963226* | *22.95593363* |
| *Conc SD* | *0.00019180[mg/l]* | *0.00022284[mg/l]* | *0.00467961[mg/l]* | *0.02062510[mg/l]* | *0.01495250[mg/l]* | *0.00003952[mg/l]* | *0.00057804[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 | 26211.9000000 | 7748.53000000 | 7175.52000000 | 4984.16000000 | 3757.32000000 | 4778.96000000 | 10238.9000000 |
| *Int RSD* | *1.02068908* | *0.38109551* | *0.26612148* | *0.47357629* | *0.86871494* | *0.55729699* | *0.24367657* |
| *Int SD* | *267.54200000* | *29.52930000* | *19.09560000* | *23.60380000* | *32.64040000* | *26.63300000* | *24.94980000* |
| RelInt Mean | 0.00889642 | 0.00038952 | -0.00013268 | 0.00018354 | 0.00005368 | 0.00125106 | 0.00058166 |
| *RelInt RSD* | *2.40709184* | *14.67854108* | *10.58244963* | *17.04154907* | *58.74643036* | *1.52138187* | *29.35383769* |
| *RelInt SD* | *0.00021415* | *0.00005718* | *0.00001404* | *0.00003128* | *0.00003154* | *0.00001903* | *0.00017074* |
| Conc Mean | <-0.10772500[mg/l] | 0.00158421[mg/l] | <0.00031240[mg/l] | 0.00843376[mg/l] | <0.00184229[mg/l] | 0.02291260[mg/l] | <-0.00008885[mg/l] |
| *Conc RSD* | *10.99624043* | *26.29525126* | *144.20159029* | *16.32202007* | *101.28807082* | *1.54277996* | *188.08766492* |
| *Conc SD* | *0.01184570[mg/l]* | *0.00041657[mg/l]* | *0.00045048[mg/l]* | *0.00137656[mg/l]* | *0.00186602[mg/l]* | *0.00035349[mg/l]* | *0.00016711[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 | 55298.2000000 | 3484.60000000 | 12097.3000000 | 1154430 | 27588500 | 597562 | 19916.6000000 |
| *Int RSD* | *3.09803936* | *0.50832233* | *1.24665835* | *0.33097373* | *1.25855338* | *0.58372186* | *0.31491269* |
| *Int SD* | *1713.16000000* | *17.71300000* | *150.81200000* | *3820.86000000* | *347216* | *3488.10000000* | *62.71990000* |
| RelInt Mean | 0.00030776 | -0.00032035 | 0.00006619 | --- | --- | --- | 0.01343930 |
| *RelInt RSD* | *21.47833688* | *3.14333519* | *4.68019593* | --- | --- | --- | *0.63884205* |
| *RelInt SD* | *0.00006610* | *0.00001007* | *0.00000310* | --- | --- | --- | *0.00008586* |
| Conc Mean | 0.00288285[mg/l] | <-0.01557530[mg/l] | <0.00198932[mg/l] | 1145450 | 27524800 | 587598 | 0.04055900[mg/l] |
| *Conc RSD* | *22.05227466* | *3.68233678* | *26.72028633* | --- | --- | --- | *0.66080771* |
| *Conc SD* | *0.00063573[mg/l]* | *0.00057354[mg/l]* | *0.00053155[mg/l]* | *3832.09000000* | *346802* | *3324.46000000* | *0.00026802[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 3849.70000000 | 20405.2000000 | 15134.8000000 | 4841.52000000 | 7151.64000000 | 4705.44000000 | |
| *Int RSD* | *1.97027820* | *1.17027032* | *2.80457621* | *0.12776029* | *0.63462646* | *0.26731400* | |
| *Int SD* | *75.84980000* | *238.79600000* | *424.46700000* | *6.18554000* | *45.38620000* | *12.57830000* | |
| RelInt Mean | -0.00067029 | 0.00034065 | 0.00691534 | 0.00084843 | 0.00036061 | 0.00010121 | |
| *RelInt RSD* | *9.53624689* | *47.14780567* | *5.35066967* | *0.64079426* | *17.67525762* | *6.49823625* | |
| *RelInt SD* | *0.00006392* | *0.00016061* | *0.00037002* | *0.00000544* | *0.00006374* | *0.00000658* | |
| Conc Mean | <-0.00053609[mg/l] | <0.00025192[mg/l] | 0.07708860[mg/l] | 0.01598850[mg/l] | 0.00071297[mg/l] | 0.03260950[mg/l] | |
| *Conc RSD* | *30.64392173* | *423.39005792* | *6.36420949* | *0.89436157* | *27.95305299* | *1.64950705* | |
| *Conc SD* | *0.00016428[mg/l]* | *0.00106660[mg/l]* | *0.00490608[mg/l]* | *0.00014300[mg/l]* | *0.00019930[mg/l]* | *0.00053790[mg/l]* | |

ENTHALPY SPIKE USER REPORT FOR 497480 METALS Wipe

EPA 6010B

| | | | |
|---|---|---|---|
| Type: | BS | Type: | BSD |
| Inst: | MET06 | Inst: | MET06 |
| Seqnum: | 483497419122.1 | Seqnum: | 483497419123.1 |
| File: | met06_master011 | File: | met06_master011 |
| IDF: | 1.0 | IDF: | 1.0 |
| Lab ID: | QC1112314 | Lab ID: | QC1112315 |
| Matrix: | Wipe | Matrix: | Wipe |
| Batch: | 328089 | Batch: | 328089 |
| Time: | 11-DEC-2023 17:57 | Time: | 11-DEC-2023 18:00 |
| Cal: | 483497419001 | Cal: | 483497419001 |
| Units: | ug/ft2 | | |

- BS: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lead** | 50.00 | 1.154 | 57.72 | A | 115 | 1.110 | 55.52 | A | 111 | 80-120 | 4 | 20 | u |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | BS Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1179190 | -6.68 |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | BSD Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 1263590 | 1190800 | -5.76 |

*u=use*

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: BS,QC1112314,328089** | Sample Type: Unknown Sample

Measure Date: 2023-12-11 17:57:31 | 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** | 367436 | 18826.2000000 | 26152.5000000 | 114356 | 494309 | 21746.2000000 | 280269 |
| ***Int RSD*** | *3.37658803* | *1.24947148* | *0.84881369* | *0.25855486* | *0.53795703* | *1.77925799* | *0.68098149* |
| ***Int SD*** | *12406.8000000* | *235.22800000* | *221.98600000* | *295.67300000* | *2659.17000000* | *386.92100000* | *1908.58000000* |
| **RelInt Mean** | 0.01162750 | 0.01415640 | 0.01919440 | 0.09182460 | 0.41588500 | 0.02887130 | 0.23329300 |
| ***RelInt RSD*** | *5.54851000* | *0.86116527* | *0.17085192* | *1.13516422* | *0.57574570* | *2.07755799* | *0.43621540* |
| ***RelInt SD*** | *0.00064515* | *0.00012191* | *0.00003279* | *0.00104236* | *0.00239444* | *0.00059982* | *0.00101766* |
| **Conc Mean** | 0.49709200[mg/l] | 1.18247000[mg/l] | 0.94519900[mg/l] | 0.91534500[mg/l] | 1.13208000[mg/l] | 1.24904000[mg/l] | 1.14634000[mg/l] |
| ***Conc RSD*** | *5.57275112* | *0.87623365* | *0.17020649* | *1.14095778* | *0.57761554* | *2.48743835* | *0.44110561* |
| ***Conc SD*** | *0.02770170[mg/l]* | *0.01036120[mg/l]* | *0.00160879[mg/l]* | *0.01044370[mg/l]* | *0.00653907[mg/l]* | *0.03106910[mg/l]* | *0.00505657[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** | 239123 | 934968 | 463000 | 18470.6000000 | 14461.2000000 | 2245990 | 179985 |
| ***Int RSD*** | *0.48281428* | *3.73003140* | *0.54950972* | *1.19359414* | *2.63246480* | *1.31282864* | *0.84917632* |
| ***Int SD*** | *1154.52000000* | *34874.6000000* | *2544.23000000* | *220.46400000* | *380.68600000* | *29486.0000000* | *1528.39000000* |
| **RelInt Mean** | 0.19837000 | 0.03224870 | 0.38811500 | 0.02142390 | 0.00475211 | 1.91196000 | 0.14995900 |
| ***RelInt RSD*** | *0.46821243* | *5.50589636* | *0.38931245* | *0.26778224* | *3.61479427* | *0.43595159* | *0.27006915* |
| ***RelInt SD*** | *0.00092879* | *0.00177558* | *0.00151098* | *0.00005737* | *0.00017178* | *0.00833522* | *0.00040499* |
| **Conc Mean** | 1.12339000[mg/l] | 1.05628000[mg/l] | 1.21369000[mg/l] | 6.47577000[mg/l] | 1.02427000[mg/l] | 1.14777000[mg/l] | 1.09595000[mg/l] |
| ***Conc RSD*** | *0.46821674* | *5.54206271* | *0.38977086* | *0.28655434* | *4.28605739* | *0.43563780* | *0.27004699* |
| ***Conc SD*** | *0.00525990[mg/l]* | *0.05853970[mg/l]* | *0.00473061[mg/l]* | *0.01855660[mg/l]* | *0.04390080[mg/l]* | *0.00500012[mg/l]* | *0.00295958[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** | 37347.3000000 | 188435 | 49542.7000000 | 31104.9000000 | 19904.3000000 | 4707.35000000 | 740597 |
| ***Int RSD*** | *0.62281075* | *0.79362645* | *0.61592122* | *0.57188417* | *0.61328959* | *0.35728595* | *0.83388131* |
| ***Int SD*** | *232.60300000* | *1495.47000000* | *305.14400000* | *177.88400000* | *122.07100000* | *16.81870000* | *6175.70000000* |
| **RelInt Mean** | 0.02728760 | 0.15440900 | 0.03588020 | 0.02235950 | 0.01376840 | 0.00105424 | 1.23661000 |
| ***RelInt RSD*** | *1.36953048* | *0.62952742* | *0.62703943* | *0.55171180* | *0.26292598* | *0.56413056* | *0.08382999* |
| ***RelInt SD*** | *0.00037371* | *0.00097205* | *0.00022498* | *0.00012336* | *0.00003620* | *0.00000595* | *0.00103665* |
| **Conc Mean** | 0.90959700[mg/l] | 1.12374000[mg/l] | 1.15432000[mg/l] | 0.97735200[mg/l] | 0.81335100[mg/l] | 0.01925800[mg/l] | 1.20966000[mg/l] |
| ***Conc RSD*** | *2.27272078* | *0.63002563* | *0.62494369* | *0.55230971* | *0.26339920* | *0.57319036* | *0.08407900* |
| ***Conc SD*** | *0.02067260[mg/l]* | *0.00707985[mg/l]* | *0.00721385[mg/l]* | *0.00539801[mg/l]* | *0.00214236[mg/l]* | *0.00011039[mg/l]* | *0.00101707[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** | 3135980 | 25260.7000000 | 177542 | 1179190 | 27749000 | 600600 | 430864 |
| ***Int RSD*** | *3.14271456* | *0.60178855* | *3.65595183* | *0.90688523* | *2.12175214* | *0.79080586* | *0.51988795* |
| ***Int SD*** | *98554.9000000* | *152.01600000* | *6490.85000000* | *10693.9000000* | *588765* | *4749.58000000* | *2240.01000000* |
| **RelInt Mean** | 0.11143800 | 0.01814020 | 0.00601887 | --- | --- | --- | 0.36411300 |
| ***RelInt RSD*** | *4.92698182* | *0.25653631* | *5.41266052* | --- | --- | --- | *0.44154425* |
| ***RelInt SD*** | *0.00549053* | *0.00004654* | *0.00032578* | --- | --- | --- | *0.00160772* |
| **Conc Mean** | 1.07168000[mg/l] | 1.03029000[mg/l] | 1.02344000[mg/l] | 1169990 | 27684000 | 590537 | 1.13415000[mg/l] |
| ***Conc RSD*** | *4.92726374* | *0.27040251* | *5.46452161* | --- | --- | --- | *0.44162941* |
| ***Conc SD*** | *0.05280450[mg/l]* | *0.00278593[mg/l]* | *0.05592610[mg/l]* | *10625.0000000* | *588353* | *4619.50000000* | *0.00500874[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 243067 | 92449.7000000 | 459404 | 5296.32000000 | 376686 | 4936.15000000 | |
| ***Int RSD*** | *0.98768241* | *0.41683856* | *0.63457436* | *0.34692957* | *0.25498824* | *0.09198343* | |
| ***Int SD*** | *2400.73000000* | *385.36600000* | *2915.26000000* | *18.37450000* | *960.50500000* | *4.54044000* | |
| **RelInt Mean** | 0.40339900 | 0.12112500 | 0.38604900 | 0.00112237 | 0.31557100 | 0.00019396 | |
| ***RelInt RSD*** | *0.24537641* | *1.34388442* | *0.43971361* | *4.19019575* | *0.70523907* | *5.57656218* | |
| ***RelInt SD*** | *0.00098985* | *0.00162778* | *0.00169751* | *0.00004703* | *0.00222553* | *0.00001082* | |
| **Conc Mean** | 1.03794000[mg/l] | 0.80237800[mg/l] | 5.09199000[mg/l] | 0.02319240[mg/l] | 0.99463300[mg/l] | 0.04019590[mg/l] | |
| ***Conc RSD*** | *0.24548143* | *1.34703344* | *0.44195295* | *5.33247961* | *0.70746698* | *2.20085631* | |
| ***Conc SD*** | *0.00254795[mg/l]* | *0.01080830[mg/l]* | *0.02250420[mg/l]* | *0.00123673[mg/l]* | *0.00703670[mg/l]* | *0.00088465[mg/l]* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: BSD,QC1112315,328089 | | | Sample Type: Unknown Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:00:45 | 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** | 359717 | 18901.5000000 | 25611.2000000 | 109914 | 476155 | 21376.7000000 | 271463 |
| ***Int RSD*** | *3.79868063* | *1.88949025* | *0.38257364* | *0.68619648* | *0.58144092* | *1.50946124* | *0.59895455* |
| ***Int SD*** | *13664.5000000* | *357.14200000* | *97.98170000* | *754.22600000* | *2768.56000000* | *322.67300000* | *1625.94000000* |
| **RelInt Mean** | 0.01113370 | 0.01418390 | 0.01853660 | 0.08713920 | 0.39643500 | 0.02781250 | 0.22356700 |
| ***RelInt RSD*** | *5.63455994* | *3.43540916* | *0.76675334* | *0.11002327* | *0.27783117* | *0.38083596* | *0.19569078* |
| ***RelInt SD*** | *0.00062734* | *0.00048728* | *0.00014213* | *0.00009587* | *0.00110142* | *0.00010592* | *0.00043750* |
| **Conc Mean** | 0.47588900[mg/l] | 1.18481000[mg/l] | 0.91293700[mg/l] | 0.86840300[mg/l] | 1.07912000[mg/l] | 1.19421000[mg/l] | 1.09853000[mg/l] |
| ***Conc RSD*** | *5.66071080* | *3.49596138* | *0.76417978* | *0.11060130* | *0.27856402* | *0.45929778* | *0.20392616* |
| ***Conc SD*** | *0.02693870[mg/l]* | *0.04142050[mg/l]* | *0.00697648[mg/l]* | *0.00096046[mg/l]* | *0.00300604[mg/l]* | *0.00548498[mg/l]* | *0.00224019[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** | 231996 | 909753 | 450528 | 17885.7000000 | 14665.2000000 | 2184440 | 172935 |
| ***Int RSD*** | *0.56092346* | *4.36318429* | *0.60518547* | *1.24404412* | *0.51629981* | *0.68678929* | *0.59553011* |
| ***Int SD*** | *1301.32000000* | *39694.2000000* | *2726.53000000* | *222.50600000* | *75.71640000* | *15002.5000000* | *1029.88000000* |
| **RelInt Mean** | 0.19037500 | 0.03074670 | 0.37370700 | 0.02018350 | 0.00506125 | 1.84111000 | 0.14249800 |
| ***RelInt RSD*** | *0.45982928* | *5.84475732* | *0.20997198* | *1.36661630* | *1.69391158* | *0.22256411* | *0.25458392* |
| ***RelInt SD*** | *0.00087540* | *0.00179707* | *0.00078468* | *0.00027583* | *0.00008573* | *0.00409765* | *0.00036278* |
| **Conc Mean** | 1.07809000[mg/l] | 1.00676000[mg/l] | 1.16859000[mg/l] | 6.07462000[mg/l] | 1.10327000[mg/l] | 1.10522000[mg/l] | 1.04140000[mg/l] |
| ***Conc RSD*** | *0.46008125* | *5.88528547* | *0.21040314* | *1.46838156* | *1.98597805* | *0.22273665* | *0.25481659* |
| ***Conc SD*** | *0.00496009[mg/l]* | *0.05925070[mg/l]* | *0.00245875[mg/l]* | *0.08919860[mg/l]* | *0.02191070[mg/l]* | *0.00246173[mg/l]* | *0.00265366[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** | 36675.2000000 | 182147 | 48389.5000000 | 30556.9000000 | 19356.8000000 | 4767.52000000 | 717544 |
| ***Int RSD*** | *1.82836903* | *0.72550742* | *0.29214809* | *0.48611934* | *0.42111196* | *0.85973420* | *0.28976620* |
| ***Int SD*** | *670.55800000* | *1321.49000000* | *141.36900000* | *148.54300000* | *81.51380000* | *40.98800000* | *2079.20000000* |
| **RelInt Mean** | 0.02560590 | 0.14755900 | 0.03450920 | 0.02165780 | 0.01317290 | 0.00109465 | 1.18473000 |
| ***RelInt RSD*** | *2.69667147* | *0.07180721* | *0.66769731* | *0.55750815* | *1.22183422* | *0.46658293* | *0.18393136* |
| ***RelInt SD*** | *0.00069051* | *0.00010596* | *0.00023042* | *0.00012074* | *0.00016095* | *0.00000511* | *0.00217909* |
| **Conc Mean** | 0.81657100[mg/l] | 1.07383000[mg/l] | 1.11037000[mg/l] | 0.94675400[mg/l] | 0.77811500[mg/l] | 0.02000830[mg/l] | 1.15889000[mg/l] |
| ***Conc RSD*** | *4.67773164* | *0.07172606* | *0.66551420* | *0.56075390* | *1.22387436* | *0.47416022* | *0.18361018* |
| ***Conc SD*** | *0.03819700[mg/l]* | *0.00077022[mg/l]* | *0.00738967[mg/l]* | *0.00530896[mg/l]* | *0.00952315[mg/l]* | *0.00009487[mg/l]* | *0.00212784[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** | 3067770 | 24663.1000000 | 172633 | 1190800 | 28279600 | 607056 | 408036 |
| ***Int RSD*** | *3.68192531* | *0.08010591* | *4.11701123* | *0.79517299* | *1.65404037* | *0.36153831* | *0.51893460* |
| ***Int SD*** | *112953* | *19.75660000* | *7107.32000000* | *9468.92000000* | *467756* | *2194.74000000* | *2117.44000000* |
| **RelInt Mean** | 0.10690700 | 0.01746770 | 0.00573242 | --- | --- | --- | 0.34122400 |
| ***RelInt RSD*** | *5.00203916* | *0.87247319* | *5.73045939* | --- | --- | --- | *0.33371920* |
| ***RelInt SD*** | *0.00534753* | *0.00015240* | *0.00032849* | --- | --- | --- | *0.00113873* |
| **Conc Mean** | 1.02810000[mg/l] | 0.99224600[mg/l] | 0.97428800[mg/l] | 1181620 | 28213900 | 596909 | 1.06276000[mg/l] |
| ***Conc RSD*** | *5.00241222* | *0.88708143* | *5.78817557* | --- | --- | --- | *0.33399262* |
| ***Conc SD*** | *0.05142980[mg/l]* | *0.00880203[mg/l]* | *0.05639350[mg/l]* | *9414.27000000* | *467318* | *2122.84000000* | *0.00354954[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 235334 | 90354.6000000 | 445530 | 5300.58000000 | 364944 | 4896.51000000 | |
| ***Int RSD*** | *0.29754902* | *1.26406403* | *0.64157969* | *1.00725204* | *0.49788461* | *0.25861481* | |
| ***Int SD*** | *700.23400000* | *1142.14000000* | *2858.43000000* | *53.39020000* | *1817.00000000* | *12.66310000* | |
| **RelInt Mean** | 0.38627000 | 0.11629600 | 0.37048100 | 0.00112207 | 0.30252600 | 0.00015618 | |
| ***RelInt RSD*** | *0.14578999* | *1.08734608* | *0.27010562* | *3.73865267* | *0.58037987* | *5.57073614* | |
| ***RelInt SD*** | *0.00056314* | *0.00126454* | *0.00100069* | *0.00004195* | *0.00175580* | *0.00000870* | |
| **Conc Mean** | 0.99391400[mg/l] | 0.77030800[mg/l] | 4.88629000[mg/l] | 0.02318450[mg/l] | 0.95347400[mg/l] | 0.03710570[mg/l] | |
| ***Conc RSD*** | *0.14567357* | *1.09018341* | *0.27202438* | *4.75804956* | *0.58192463* | *1.91772423* | |
| ***Conc SD*** | *0.00144787[mg/l]* | *0.00839777[mg/l]* | *0.01329190[mg/l]* | *0.00110313[mg/l]* | *0.00554850[mg/l]* | *0.00071159[mg/l]* | |

ENTHALPY INITIAL CALIBRATION FOR 497480 METALS Wipe: EPA 6010B

| | | | |
|---|---|---|---|
| Instrument: | MET06 | | |
| Calibration #: | 483497419001 | Date: | 11-DEC-2023 10:28 |
| Units: | mg/L | X Axis: | R |

| Level | File | Seqnum | Sample ID | Analyzed | Standards |
|---|---|---|---|---|---|
| L1 | met06_master011 | 483497419004 | L1 | 11-DEC-2023 10:31 | S19498, S14463 (100X) |
| L2 | met06_master011 | 483497419005 | L2 | 11-DEC-2023 10:35 | S19497, S14463 (100X) |
| L3 | met06_master011 | 483497419006 | L3 | 11-DEC-2023 10:38 | S19496, S14463 (100X) |
| L4 | met06_master011 | 483497419007 | L4 | 11-DEC-2023 10:41 | S19495, S14463 (100X) |
| L5 | met06_master011 | 483497419008 | L5 | 11-DEC-2023 10:44 | S19494, S14463 (100X) |
| L6 | met06_master011 | 483497419009 | L6 | 11-DEC-2023 10:48 | S19385, S14463 (100X) |

| Analyte | Ch | Type | a0 | a1 | a2 | Avg RF | $r^2$ | %RSD | n | Min $r^2$ | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | WB1K | 0.00457 | 32.0542 | | 0.0228 | 1.000 | | 7 | 0.995 | |

*Instrument amount = a0 + (response × a1) + (response² × a2)*
*WB1K: Linear regression with ICALBLK weighting factor of 1000*

| Analyte | Ch | L1 RF | L2 RF | L3 RF | L4 RF | L5 RF | L6 RF |
|---|---|---|---|---|---|---|---|
| Lead | A | -0.009 | 0.0193 | 0.0321 | 0.0327 | 0.0312 | 0.0311 |

| Spiked Amounts / Drifts | Ch | L1 | %D | L2 | %D | L3 | %D | L4 | %D | L5 | %D | L6 | %D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0033 | 7 | 0.0100 | 8 | 0.1000 | 7 | 1.0000 | 5 | 5.0000 | 0 | 10.000 | 0 |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 497480 METALS Wipe
EPA 6010B

| | | | |
|---|---|---|---|
| Inst: | MET06 | | |
| Calnum: | 483497419001 | Cal Date: | 11-DEC-2023 |

- ICV 483497419012 (11-DEC-2023) stds: S19393, S14463 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 1.006 | mg/l | 1 | 10 | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICALBLK,CALBLANK | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:28:27 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 50982.8000000 | 12279.4000000 | 3973.53000000 | 8338.71000000 | 8562.65000000 | 8838.87000000 | 7959.90000000 |
| ***Int RSD*** | *0.69391246* | *4.33372152* | *1.01923227* | *0.81132813* | *1.00993618* | *2.44290277* | *0.81952788* |
| ***Int SD*** | *353.77600000* | *532.15500000* | *40.49950000* | *67.65430000* | *86.47730000* | *215.92500000* | *65.23360000* |
| **RelInt Mean** | 0.00005091 | 0.00024310 | -0.00007597 | 0.00046004 | 0.00015280 | 0.00473700 | 0.00003359 |
| ***RelInt RSD*** | *13.14221341* | *113.03598460* | *26.57133417* | *10.56609803* | *22.78212612* | *5.58752375* | *18.71049850* |
| ***RelInt SD*** | *0.00000669* | *0.00027480* | *0.00002019* | *0.00004861* | *0.00003481* | *0.00026468* | *0.00000628* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 7658.79000000 | 51264.7000000 | 10373.5000000 | 7077.65000000 | 13821.1000000 | 10005.0000000 | 4892.54000000 |
| ***Int RSD*** | *0.54871331* | *0.28303101* | *0.45353063* | *2.96231094* | *4.00919608* | *0.30119340* | *0.54461895* |
| ***Int SD*** | *42.02480000* | *145.09500000* | *47.04700000* | *209.66200000* | *554.11500000* | *30.13440000* | *26.64570000* |
| **RelInt Mean** | 0.00006156 | 0.00021288 | 0.00033547 | 0.00139887 | 0.00074361 | 0.00040126 | 0.00003036 |
| ***RelInt RSD*** | *19.75629923* | *3.45939636* | *6.16085136* | *8.83920593* | *22.52823729* | *17.77397585* | *33.07648721* |
| ***RelInt SD*** | *0.00001216* | *0.00000736* | *0.00002067* | *0.00012365* | *0.00016752* | *0.00007132* | *0.00001004* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 30603.2000000 | 8759.07000000 | 8074.67000000 | 5450.89000000 | 4186.29000000 | 3896.19000000 | 11851.3000000 |
| ***Int RSD*** | *1.74329809* | *0.64439604* | *0.83814199* | *1.59237849* | *1.20188759* | *0.43542281* | *4.38151933* |
| ***Int SD*** | *533.50500000* | *56.44310000* | *67.67720000* | *86.79880000* | *50.31450000* | *16.96490000* | *519.26700000* |
| **RelInt Mean** | 0.01085020 | 0.00015862 | -0.00014464 | -0.00000824 | 0.00002091 | 0.00001644 | 0.00023900 |
| ***RelInt RSD*** | *1.44449872* | *19.23220466* | *31.51100326* | *564.28424105* | *211.63533745* | *102.69730999* | *91.93302064* |
| ***RelInt SD*** | *0.00015673* | *0.00003051* | *0.00004558* | *0.00004651* | *0.00004425* | *0.00001688* | *0.00021972* |

| | 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** | 53535.4000000 | 3862.71000000 | 13573.7000000 | 1263590 | 31687500 | 683754 | 5507.39000000 |
| ***Int RSD*** | *0.49461291* | *0.61560407* | *0.56783559* | *0.26058136* | *0.75327495* | *0.21149127* | *0.64114036* |
| ***Int SD*** | *264.79300000* | *23.77900000* | *77.07630000* | *3292.68000000* | *238694* | *1446.08000000* | *35.31010000* |
| **RelInt Mean** | 0.00001672 | -0.00005038 | 0.00005476 | --- | --- | --- | 0.00027311 |
| ***RelInt RSD*** | *46.05387040* | *8.07468298* | *12.59602233* | --- | --- | --- | *11.60920508* |
| ***RelInt SD*** | *0.00000770* | *0.00000407* | *0.00000690* | --- | --- | --- | *0.00003171* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 5046.64000000 | 22086.6000000 | 9604.06000000 | 4847.89000000 | 8089.19000000 | 5226.31000000 | |
| ***Int RSD*** | *4.07312588* | *2.76511550* | *0.59560644* | *3.04959477* | *0.59748504* | *0.79956222* | |
| ***Int SD*** | *205.55600000* | *610.72000000* | *57.20240000* | *147.84100000* | *48.33170000* | *41.78760000* | |
| **RelInt Mean** | -0.00046648 | 0.00032293 | 0.00111154 | 0.00024045 | 0.00013998 | -0.00029749 | |
| ***RelInt RSD*** | *10.69953396* | *56.00774174* | *5.20721701* | *65.22576325* | *21.37166656* | *7.59120383* | |
| ***RelInt SD*** | *0.00004991* | *0.00018086* | *0.00005788* | *0.00015684* | *0.00002992* | *0.00002258* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICAL,L1,S19498 | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:31:43 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 50980.3000000 | 12692.9000000 | 4041.83000000 | 8635.24000000 | 10116.2000000 | 9555.94000000 | 8364.21000000 |
| ***Int RSD*** | *0.17631889* | *2.06450063* | *0.10658415* | *0.47244547* | *0.42287222* | *2.05192791* | *0.65214886* |
| ***Int SD*** | *89.88790000* | *262.04500000* | *4.30795000* | *40.79680000* | *42.77860000* | *196.08100000* | *54.54710000* |
| **RelInt Mean** | 0.00003737 | 0.00051354 | 0.00000364 | 0.00069408 | 0.00138428 | 0.00554019 | 0.00034078 |
| ***RelInt RSD*** | *7.02893044* | *23.21537410* | *56.33789674* | *4.73807129* | *3.72561909* | *3.13413439* | *9.66194902* |
| ***RelInt SD*** | *0.00000263* | *0.00011922* | *0.00000205* | *0.00003289* | *0.00005157* | *0.00017364* | *0.00003293* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 8435.03000000 | 54777.7000000 | 13539.3000000 | 7349.62000000 | 13877.5000000 | 17675.9000000 | 5497.10000000 |
| ***Int RSD*** | *0.49964138* | *0.18340127* | *0.29163694* | *1.51224145* | *1.88440281* | *0.94999406* | *0.46336068* |
| ***Int SD*** | *42.14490000* | *100.46300000* | *39.48560000* | *111.14400000* | *261.50800000* | *167.92000000* | *25.47140000* |
| **RelInt Mean** | 0.00070088 | 0.00031705 | 0.00289270 | 0.00160644 | 0.00054517 | 0.00651297 | 0.00051847 |
| ***RelInt RSD*** | *6.35960507* | *0.64668980* | *1.17009023* | *8.57716441* | *43.95173642* | *2.43454215* | *4.84999161* |
| ***RelInt SD*** | *0.00004457* | *0.00000205* | *0.00003385* | *0.00013779* | *0.00023961* | *0.00015856* | *0.00002515* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 31860.9000000 | 9356.67000000 | 8182.52000000 | 5759.31000000 | 4385.28000000 | 4125.75000000 | 25143.5000000 |
| ***Int RSD*** | *1.44151609* | *0.34911031* | *0.12750962* | *0.66095765* | *0.59395067* | *0.96347816* | *1.70151729* |
| ***Int SD*** | *459.28000000* | *32.66510000* | *10.43350000* | *38.06660000* | *26.04640000* | *39.75070000* | *427.82100000* |
| **RelInt Mean** | 0.01219890 | 0.00064499 | -0.00003158 | 0.00023438 | 0.00015995 | 0.00020344 | 0.01961440 |
| ***RelInt RSD*** | *1.62191673* | *4.33334109* | *57.86346765* | *11.05888326* | *9.51259769* | *16.73626779* | *1.52614916* |
| ***RelInt SD*** | *0.00019786* | *0.00002795* | *0.00001827* | *0.00002592* | *0.00001522* | *0.00003405* | *0.00029935* |

| | 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** | 64254.4000000 | 4075.83000000 | 13946.8000000 | 1264240 | 31691800 | 683182 | 10038.8000000 |
| ***Int RSD*** | *0.59026464* | *0.29783627* | *0.27707790* | *0.22661678* | *0.92626484* | *0.18361432* | *0.32325178* |
| ***Int SD*** | *379.27100000* | *12.13930000* | *38.64350000* | *2864.98000000* | *293550* | *1254.42000000* | *32.45060000* |
| **RelInt Mean** | 0.00035023 | 0.00011570 | 0.00006448 | --- | --- | --- | 0.00389863 |
| ***RelInt RSD*** | *2.23807484* | *8.51201404* | *5.92057739* | --- | --- | --- | *0.74100902* |
| ***RelInt SD*** | *0.00000784* | *0.00000985* | *0.00000382* | --- | --- | --- | *0.00002889* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 5469.97000000 | 22837.8000000 | 9625.09000000 | 4819.47000000 | 8729.00000000 | 5255.90000000 | |
| ***Int RSD*** | *3.51619844* | *1.32845108* | *0.24214631* | *0.89166444* | *0.33802841* | *0.42392359* | |
| ***Int SD*** | *192.33500000* | *303.38900000* | *23.30680000* | *42.97350000* | *29.50650000* | *22.28100000* | |
| **RelInt Mean** | -0.00010888 | 0.00107753 | 0.00115695 | 0.00023530 | 0.00067162 | -0.00024632 | |
| ***RelInt RSD*** | *129.27734303* | *6.20345605* | *1.57729375* | *16.09400035* | *4.94867618* | *5.62218604* | |
| ***RelInt SD*** | *0.00014075* | *0.00006684* | *0.00001825* | *0.00003787* | *0.00003324* | *0.00001385* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICAL,L2,S19497 | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:35:00 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 51037.5000000 | 12559.1000000 | 4222.27000000 | 9436.30000000 | 13021.3000000 | 10398.1000000 | 9243.62000000 |
| ***Int RSD*** | *0.90026353* | *0.89027876* | *1.38565511* | *0.17406717* | *1.49054242* | *1.53096239* | *0.49751612* |
| ***Int SD*** | *459.47200000* | *111.81100000* | *58.50610000* | *16.42550000* | *194.08800000* | *159.19100000* | *45.98850000* |
| **RelInt Mean** | 0.00004382 | 0.00054760 | 0.00011389 | 0.00135117 | 0.00371430 | 0.00697484 | 0.00105752 |
| ***RelInt RSD*** | *15.72355779* | *49.74424529* | *38.29304698* | *0.50032268* | *4.30939881* | *0.47429045* | *1.85121794* |
| ***RelInt SD*** | *0.00000689* | *0.00027240* | *0.00004361* | *0.00000676* | *0.00016006* | *0.00003308* | *0.00001958* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 9970.53000000 | 60306.2000000 | 18996.6000000 | 7503.16000000 | 14040.9000000 | 32524.2000000 | 6642.74000000 |
| ***Int RSD*** | *0.47262683* | *1.32491850* | *0.05494141* | *4.87328006* | *1.52483103* | *0.43861186* | *0.10701638* |
| ***Int SD*** | *47.12340000* | *799.00800000* | *10.43700000* | *365.65000000* | *214.10000000* | *142.65500000* | *7.10882000* |
| **RelInt Mean** | 0.00191122 | 0.00049488 | 0.00724286 | 0.00189517 | 0.00087640 | 0.01834910 | 0.00141098 |
| ***RelInt RSD*** | *2.60598989* | *2.57222934* | *0.75483304* | *19.72693743* | *22.89002105* | *0.74029244* | *0.71779898* |
| ***RelInt SD*** | *0.00004981* | *0.00001273* | *0.00005467* | *0.00037386* | *0.00020061* | *0.00013584* | *0.00001013* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 33554.8000000 | 10581.1000000 | 8481.25000000 | 6312.13000000 | 4804.75000000 | 4589.80000000 | 49648.4000000 |
| ***Int RSD*** | *1.12981451* | *0.62094489* | *0.97059160* | *0.36889133* | *0.92049951* | *0.13440695* | *1.29160658* |
| ***Int SD*** | *379.10700000* | *65.70280000* | *82.31830000* | *23.28490000* | *44.22770000* | *6.16901000* | *641.26200000* |
| **RelInt Mean** | 0.01514890 | 0.00162664 | 0.00019271 | 0.00066300 | 0.00051277 | 0.00057737 | 0.05641700 |
| ***RelInt RSD*** | *0.86730390* | *2.07933532* | *20.71733242* | *3.41474120* | *9.33576587* | *2.43787325* | *0.63933566* |
| ***RelInt SD*** | *0.00013139* | *0.00003382* | *0.00003993* | *0.00002264* | *0.00004787* | *0.00001408* | *0.00036069* |

| | 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** | 85203.8000000 | 4539.68000000 | 14459.3000000 | 1262920 | 31473600 | 681278 | 18368.5000000 |
| ***Int RSD*** | *1.09784423* | *0.66285729* | *1.80095855* | *0.50766557* | *0.10203377* | *0.52580004* | *0.34276070* |
| ***Int SD*** | *935.40500000* | *30.09160000* | *260.40600000* | *6411.41000000* | *32113.7000000* | *3582.16000000* | *62.96000000* |
| **RelInt Mean** | 0.00102161 | 0.00047239 | 0.00007972 | --- | --- | --- | 0.01052180 |
| ***RelInt RSD*** | *1.46596059* | *1.47992870* | *9.54872147* | --- | --- | --- | *0.72478188* |
| ***RelInt SD*** | *0.00001498* | *0.00000699* | *0.00000761* | --- | --- | --- | *0.00007626* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 5801.29000000 | 23067.3000000 | 9659.22000000 | 4809.59000000 | 10026.6000000 | 5258.34000000 | |
| ***Int RSD*** | *3.71453590* | *1.75082043* | *0.05096002* | *1.43601638* | *0.54609638* | *0.61157133* | |
| ***Int SD*** | *215.49100000* | *403.86700000* | *4.92234000* | *69.06650000* | *54.75490000* | *32.15850000* | |
| **RelInt Mean** | 0.00051862 | 0.00157204 | 0.00118026 | 0.00020051 | 0.00169556 | -0.00023655 | |
| ***RelInt RSD*** | *20.66815909* | *4.93711356* | *2.58091437* | *21.58326268* | *3.04256411* | *6.96073085* | |
| ***RelInt SD*** | *0.00010719* | *0.00007761* | *0.00003046* | *0.00004328* | *0.00005159* | *0.00001647* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICAL,L3,S19496 | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:38:17 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 50997.2000000 | 14298.9000000 | 6506.41000000 | 20435.0000000 | 55974.1000000 | 22977.0000000 | 21468.6000000 |
| ***Int RSD*** | *0.40947934* | *0.36903748* | *0.66196412* | *0.76498654* | *0.59109302* | *0.66939548* | *1.17729149* |
| ***Int SD*** | *208.82300000* | *52.76830000* | *43.07010000* | *156.32500000* | *330.85900000* | *153.80700000* | *252.74800000* |
| **RelInt Mean** | 0.00004785 | 0.00295858 | 0.00192005 | 0.01005280 | 0.03777400 | 0.02573580 | 0.01071710 |
| ***RelInt RSD*** | *11.74905332* | *7.12510731* | *1.96646441* | *1.19576635* | *1.00125218* | *0.86133713* | *2.07465639* |
| ***RelInt SD*** | *0.00000562* | *0.00021080* | *0.00003776* | *0.00012021* | *0.00037821* | *0.00022167* | *0.00022234* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 30953.6000000 | 141398 | 93576.9000000 | 10421.7000000 | 16830.1000000 | 232687 | 21964.3000000 |
| ***Int RSD*** | *1.08158340* | *1.81722514* | *0.44738926* | *0.89163188* | *0.60448245* | *0.82344523* | *1.01437332* |
| ***Int SD*** | *334.78900000* | *2569.52000000* | *418.65300000* | *92.92320000* | *101.73500000* | *1916.05000000* | *222.80000000* |
| **RelInt Mean** | 0.01852800 | 0.00306670 | 0.06641380 | 0.00615691 | 0.00496223 | 0.17716700 | 0.01357870 |
| ***RelInt RSD*** | *1.86191170* | *3.39328920* | *0.93798427* | *1.49772694* | *6.84984372* | *0.51984794* | *1.87235155* |
| ***RelInt SD*** | *0.00034497* | *0.00010406* | *0.00062295* | *0.00009221* | *0.00033991* | *0.00092100* | *0.00025424* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 55704.0000000 | 26722.9000000 | 12320.1000000 | 13316.4000000 | 10556.0000000 | 10252.8000000 | 376179 |
| ***Int RSD*** | *0.16111949* | *0.18467981* | *1.50622154* | *1.65857890* | *1.07917772* | *1.88965941* | *0.59687277* |
| ***Int SD*** | *89.75000000* | *49.35180000* | *185.56800000* | *220.86300000* | *113.91800000* | *193.74300000* | *2245.31000000* |
| **RelInt Mean** | 0.04776080 | 0.01441080 | 0.00320915 | 0.00620190 | 0.00506652 | 0.00504389 | 0.54127500 |
| ***RelInt RSD*** | *0.50121229* | *0.32775627* | *4.80395120* | *2.92681275* | *2.03366413* | *3.24426187* | *0.39595769* |
| ***RelInt SD*** | *0.00023938* | *0.00004723* | *0.00015417* | *0.00018152* | *0.00010304* | *0.00016364* | *0.00214322* |

| | 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** | 366179 | 10652.8000000 | 22613.3000000 | 1268710 | 31544300 | 684800 | 132120 |
| ***Int RSD*** | *1.78104971* | *0.22038150* | *1.66564809* | *0.49783244* | *1.04692131* | *0.33654206* | *0.16612246* |
| ***Int SD*** | *6521.83000000* | *23.47680000* | *376.65800000* | *6316.05000000* | *330244* | *2304.64000000* | *219.48100000* |
| **RelInt Mean** | 0.00993609 | 0.00530065 | 0.00033934 | --- | --- | --- | 0.10080800 |
| ***RelInt RSD*** | *3.02352334* | *0.62594399* | *3.55630472* | --- | --- | --- | *0.40786942* |
| ***RelInt SD*** | *0.00030042* | *0.00003318* | *0.00001207* | --- | --- | --- | *0.00041117* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 13236.1000000 | 30953.8000000 | 9897.72000000 | 4866.04000000 | 27800.4000000 | 5263.53000000 | |
| ***Int RSD*** | *1.57646134* | *1.12046663* | *0.65791819* | *2.95188696* | *0.69460871* | *0.53008532* | |
| ***Int SD*** | *208.66200000* | *346.82700000* | *65.11890000* | *143.64000000* | *193.10400000* | *27.90120000* | |
| **RelInt Mean** | 0.01156490 | 0.01324820 | 0.00135889 | 0.00023690 | 0.01576960 | -0.00023923 | |
| ***RelInt RSD*** | *2.21889511* | *2.44600021* | *4.13292467* | *52.77927867* | *1.04155464* | *2.88923537* | |
| ***RelInt SD*** | *0.00025661* | *0.00032405* | *0.00005616* | *0.00012503* | *0.00016425* | *0.00000691* | |

Method Name: Met06_Master011923 Method Autor: Operator

| **Sample Name: ICAL,L4,S19495** | | | Sample Type: Calibration Sample | |
|---|---|---|---|---|
| Measure Date: 2023-12-11 10:41:33 | Recalculation Date: | State: Measured | Quality: | |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 52166.8000000 | 28972.0000000 | 29308.2000000 | 127684 | 469092 | 137649 | 136097 |
| ***Int RSD*** | *0.36051282* | *0.70290280* | *0.96649743* | *0.18003509* | *0.15047432* | *0.69656445* | *0.43343277* |
| ***Int SD*** | *188.06800000* | *203.64500000* | *283.26300000* | *229.87600000* | *705.86300000* | *958.81400000* | *589.88900000* |
| **RelInt Mean** | 0.00004045 | 0.02459130 | 0.02026170 | 0.09695070 | 0.37313000 | 0.20108200 | 0.10359600 |
| ***RelInt RSD*** | *10.67284849* | *1.27281193* | *1.35410652* | *0.18459795* | *0.12931498* | *0.42110980* | *0.39754141* |
| ***RelInt SD*** | *0.00000432* | *0.00031300* | *0.00027437* | *0.00017897* | *0.00048251* | *0.00084678* | *0.00041184* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 232483 | 953647 | 819418 | 43920.1000000 | 40721.1000000 | 2146320 | 171730 |
| ***Int RSD*** | *0.18982205* | *2.14879300* | *0.23781269* | *1.37267447* | *0.39831930* | *0.18492117* | *0.65265242* |
| ***Int SD*** | *441.30400000* | *20491.9000000* | *1948.68000000* | *602.88000000* | *162.20000000* | *3969.00000000* | *1120.80000000* |
| **RelInt Mean** | 0.18190900 | 0.02930920 | 0.65575400 | 0.05712200 | 0.04142110 | 1.73176000 | 0.13498400 |
| ***RelInt RSD*** | *0.34090782* | *2.39031089* | *0.45576390* | *1.83064318* | *0.61408075* | *0.12736465* | *0.89542464* |
| ***RelInt SD*** | *0.00062014* | *0.00070058* | *0.00298869* | *0.00104570* | *0.00025436* | *0.00220565* | *0.00120868* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 266232 | 182547 | 49009.9000000 | 89601.6000000 | 69418.0000000 | 71351.4000000 | 3532920 |
| ***Int RSD*** | *0.54392785* | *0.14440555* | *0.06237250* | *0.70453764* | *0.65378864* | *0.50587655* | *0.56735788* |
| ***Int SD*** | *1448.11000000* | *263.60800000* | *30.56870000* | *631.27700000* | *453.84700000* | *360.95000000* | *20044.3000000* |
| **RelInt Mean** | 0.36954600 | 0.14065800 | 0.03273060 | 0.06797090 | 0.05270540 | 0.05449410 | 5.36997000 |
| ***RelInt RSD*** | *0.30835674* | *0.31758236* | *0.25135225* | *0.99765635* | *0.86334038* | *0.78573093* | *0.68988095* |
| ***RelInt SD*** | *0.00113952* | *0.00044671* | *0.00008227* | *0.00067812* | *0.00045503* | *0.00042818* | *0.03704640* |

| | 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** | 3160820 | 70410.6000000 | 101810 | 1243610 | 30973200 | 667441 | 1251560 |
| ***Int RSD*** | *2.49910150* | *0.28368598* | *2.22326883* | *0.28124814* | *0.45492555* | *0.32792561* | *0.41954281* |
| ***Int SD*** | *78992.1000000* | *199.74500000* | *2263.51000000* | *3497.63000000* | *140905* | *2188.71000000* | *5250.83000000* |
| **RelInt Mean** | 0.10038000 | 0.05376510 | 0.00288897 | --- | --- | --- | 1.00993000 |
| ***RelInt RSD*** | *2.56133692* | *0.54049374* | *2.70961623* | --- | --- | --- | *0.37021180* |
| ***RelInt SD*** | *0.00257107* | *0.00029060* | *0.00007828* | --- | --- | --- | *0.00373888* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 84958.8000000 | 108773 | 12438.6000000 | 5483.57000000 | 199406 | 5609.71000000 | |
| ***Int RSD*** | *0.14265267* | *0.42622894* | *0.72548840* | *3.21119271* | *0.19174799* | *0.22006663* | |
| ***Int SD*** | *121.19600000* | *463.62200000* | *90.24060000* | *176.08800000* | *382.35700000* | *12.34510000* | |
| **RelInt Mean** | 0.12106100 | 0.13153500 | 0.00321425 | 0.00056674 | 0.15480600 | -0.00015749 | |
| ***RelInt RSD*** | *0.37273688* | *0.47456951* | *2.26511939* | *24.56831905* | *0.21865173* | *22.72669549* | |
| ***RelInt SD*** | *0.00045124* | *0.00062423* | *0.00007281* | *0.00013924* | *0.00033849* | *0.00003579* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICAL,L5,S19494 | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:44:50 | 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** | 55030.4000000 | 92602.5000000 | 123451 | 611940 | 2160930 | 643091 | 630260 |
| ***Int RSD*** | *0.51324541* | *0.79246241* | *0.64773878* | *0.31988430* | *0.19206314* | *0.60532802* | *0.51402120* |
| ***Int SD*** | *282.44100000* | *733.84000000* | *799.64000000* | *1957.50000000* | *4150.35000000* | *3892.81000000* | *3239.67000000* |
| **RelInt Mean** | 0.00000892 | 0.12155800 | 0.10042000 | 0.51083100 | 1.82207000 | 0.99461200 | 0.52586500 |
| ***RelInt RSD*** | *68.63518899* | *0.87255467* | *0.55795559* | *0.29812208* | *0.16726416* | *0.36222366* | *0.47332300* |
| ***RelInt SD*** | *0.00000612* | *0.00106066* | *0.00056030* | *0.00152290* | *0.00304767* | *0.00360272* | *0.00248904* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 1038510 | 4433990 | 3842950 | 219960 | 138940 | 9989000 | 848641 |
| ***Int RSD*** | *0.03957738* | *1.90289333* | *0.12650698* | *1.36402982* | *0.90155463* | *0.51544699* | *0.42950671* |
| ***Int SD*** | *411.01500000* | *84374.1000000* | *4861.60000000* | *3000.32000000* | *1252.62000000* | *51488.0000000* | *3644.97000000* |
| **RelInt Mean** | 0.87107500 | 0.15067600 | 3.24530000 | 0.33169700 | 0.19565000 | 8.45136000 | 0.71368900 |
| ***RelInt RSD*** | *0.14804121* | *2.61431814* | *0.13734200* | *1.23938715* | *0.52349604* | *0.59072268* | *0.53765996* |
| ***RelInt SD*** | *0.00128955* | *0.00393915* | *0.00445716* | *0.00411101* | *0.00102422* | *0.04992410* | *0.00383722* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 1183770 | 845347 | 194117 | 403177 | 304121 | 323619 | 16586100 |
| ***Int RSD*** | *0.18455443* | *0.27702470* | *0.16946429* | *0.30773581* | *0.35674945* | *0.09276649* | *0.70563303* |
| ***Int SD*** | *2184.70000000* | *2341.82000000* | *328.95900000* | *1240.72000000* | *1084.95000000* | *300.21000000* | *117037* |
| **RelInt Mean** | 1.80805000 | 0.70715000 | 0.15618300 | 0.33565600 | 0.25340200 | 0.27013100 | 25.87790000 |
| ***RelInt RSD*** | *0.82097840* | *0.22008343* | *0.28654719* | *0.19809329* | *0.27843782* | *0.18093925* | *1.62473771* |
| ***RelInt SD*** | *0.01484370* | *0.00155632* | *0.00044754* | *0.00066491* | *0.00070557* | *0.00048877* | *0.42044800* |

| | 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** | 14886400 | 321161 | 433598 | 1191360 | 29098900 | 652066 | 5987740 |
| ***Int RSD*** | *1.55591681* | *0.28334044* | *2.57164470* | *0.12596360* | *0.97427051* | *0.94019010* | *0.14499778* |
| ***Int SD*** | *231620* | *909.97900000* | *11150.6000000* | *1500.68000000* | *283502* | *6130.66000000* | *8682.09000000* |
| **RelInt Mean** | 0.51020900 | 0.26770600 | 0.01444740 | --- | --- | --- | 5.06430000 |
| ***RelInt RSD*** | *2.09855177* | *0.27063271* | *3.38838130* | --- | --- | --- | *0.21356950* |
| ***RelInt SD*** | *0.01070700* | *0.00072450* | *0.00048953* | --- | --- | --- | *0.01081580* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 379166 | 506944 | 26081.8000000 | 8239.56000000 | 960908 | 6877.02000000 | |
| ***Int RSD*** | *0.74932879* | *1.03644979* | *1.20814898* | *0.47256043* | *0.41366395* | *0.47633568* | |
| ***Int SD*** | *2841.20000000* | *5254.22000000* | *315.10700000* | *38.93690000* | *3974.93000000* | *32.75770000* | |
| **RelInt Mean** | 0.58267700 | 0.75223300 | 0.01446530 | 0.00241903 | 0.80534100 | 0.00045303 | |
| ***RelInt RSD*** | *0.25815503* | *0.53848076* | *1.48021126* | *1.99992146* | *0.37903571* | *1.47716025* | |
| ***RelInt SD*** | *0.00150421* | *0.00405063* | *0.00021412* | *0.00004838* | *0.00305253* | *0.00000669* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICAL,L6,S19385 | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:48:06 | Recalculation Date: | State: Measured | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 58657.0000000 | 166967 | 244812 | 1172760 | 4301250 | 1231580 | 1189340 |
| ***Int RSD*** | *0.62732155* | *0.31042601* | *0.67454618* | *0.56761486* | *0.36278059* | *0.54054304* | *0.26827568* |
| ***Int SD*** | *367.96800000* | *518.30900000* | *1651.37000000* | *6656.76000000* | *15604.1000000* | *6657.22000000* | *3190.71000000* |
| **RelInt Mean** | -0.00002979 | 0.23352200 | 0.20424700 | 0.99309800 | 3.66256000 | 1.92268000 | 1.00619000 |
| ***RelInt RSD*** | *42.40142852* | *0.31960372* | *0.25606496* | *0.14481652* | *0.06694771* | *0.70023093* | *0.18455759* |
| ***RelInt SD*** | *0.00001263* | *0.00074635* | *0.00052301* | *0.00143817* | *0.00245200* | *0.01346320* | *0.00185700* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 2086190 | 8799450 | 7465500 | 396993 | 264260 | 19438800 | 1591380 |
| ***Int RSD*** | *0.51851941* | *1.52599310* | *0.54043266* | *3.06436134* | *0.39920533* | *0.31323590* | *0.71741507* |
| ***Int SD*** | *10817.3000000* | *134279* | *40346.0000000* | *12165.3000000* | *1054.94000000* | *60889.3000000* | *11416.8000000* |
| **RelInt Mean** | 1.77051000 | 0.30422600 | 6.36247000 | 0.60898100 | 0.39222700 | 16.58370000 | 1.35248000 |
| ***RelInt RSD*** | *0.12911816* | *1.79193757* | *0.14921328* | *2.88281572* | *0.57399159* | *0.62495101* | *0.29333299* |
| ***RelInt SD*** | *0.00228605* | *0.00545154* | *0.00949365* | *0.01755580* | *0.00225135* | *0.10364000* | *0.00396727* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 2342970 | 1606660 | 375731 | 810185 | 599362 | 635620 | 32435900 |
| ***Int RSD*** | *0.51431303* | *0.40228922* | *0.70425384* | *0.71113388* | *0.67970942* | *0.78705044* | *0.69722745* |
| ***Int SD*** | *12050.2000000* | *6463.42000000* | *2646.10000000* | *5761.50000000* | *4073.92000000* | *5002.65000000* | *226152* |
| **RelInt Mean** | 3.63199000 | 1.36162000 | 0.31148900 | 0.68461300 | 0.50688600 | 0.53809700 | 50.88890000 |
| ***RelInt RSD*** | *0.63439327* | *0.08740544* | *0.41663108* | *0.34329176* | *0.28814171* | *0.39767551* | *0.96170481* |
| ***RelInt SD*** | *0.02304110* | *0.00119013* | *0.00129776* | *0.00235022* | *0.00146055* | *0.00213988* | *0.48940100* |

| | 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** | 30063000 | 620775 | 855645 | 1182860 | 28748100 | 648944 | 11106300 |
| ***Int RSD*** | *2.04213818* | *0.59232411* | *1.87969310* | *0.43067227* | *0.27627669* | *0.27592982* | *0.30792343* |
| ***Int SD*** | *613928* | *3677.00000000* | *16083.5000000* | *5094.25000000* | *79424.3000000* | *1790.63000000* | *34198.9000000* |
| **RelInt Mean** | 1.04486000 | 0.52428900 | 0.02927230 | --- | --- | --- | 9.47308000 |
| ***RelInt RSD*** | *2.24958368* | *0.20289573* | *2.09365509* | --- | --- | --- | *0.60082993* |
| ***RelInt SD*** | *0.02350500* | *0.00106376* | *0.00061286* | --- | --- | --- | *0.05691710* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 750020 | 989659 | 38031.1000000 | 11361.5000000 | 1855100 | 8159.50000000 | |
| ***Int RSD*** | *0.26515826* | *2.34318083* | *0.33903831* | *1.85181534* | *0.35419762* | *0.20404804* | |
| ***Int SD*** | *1988.74000000* | *23189.5000000* | *128.94000000* | *210.39400000* | *6570.72000000* | *16.64930000* | |
| **RelInt Mean** | 1.16659000 | 1.50829000 | 0.02417270 | 0.00458416 | 1.57292000 | 0.00112059 | |
| ***RelInt RSD*** | *0.44715967* | *2.26876131* | *0.58933839* | *3.44852710* | *0.20283422* | *1.23488519* | |
| ***RelInt SD*** | *0.00521652* | *0.03421950* | *0.00014246* | *0.00015809* | *0.00319042* | *0.00001384* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICAL,L7,S19493 | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:51:22 | 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** | 1525650 | 12411.8000000 | 4112.52000000 | 10936.6000000 | 9017.48000000 | 9300.63000000 | 8156.18000000 |
| ***Int RSD*** | *2.20650215* | *3.71338565* | *1.04279371* | *3.30055045* | *0.59454526* | *4.21818737* | *0.64184582* |
| ***Int SD*** | *33663.5000000* | *460.89800000* | *42.88510000* | *360.96800000* | *53.61300000* | *392.31800000* | *52.35010000* |
| **RelInt Mean** | 0.04662810 | 0.00053801 | -0.00000467 | 0.00238693 | 0.00038734 | 0.00558380 | 0.00007292 |
| ***RelInt RSD*** | *2.95555684* | *24.68824871* | *537.44331230* | *12.96125148* | *2.69265424* | *1.73408611* | *59.32461177* |
| ***RelInt SD*** | *0.00137812* | *0.00013282* | *0.00002511* | *0.00030938* | *0.00001043* | *0.00009683* | *0.00004326* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 7955.01000000 | 53813.6000000 | 23959.9000000 | 7263.60000000 | 13676.7000000 | 12646.5000000 | 10784.5000000 |
| ***Int RSD*** | *0.20384764* | *0.35453305* | *4.84626397* | *3.64088056* | *3.87317116* | *0.63511723* | *12.13092865* |
| ***Int SD*** | *16.21610000* | *190.78700000* | *1161.16000000* | *264.45900000* | *529.72200000* | *80.32010000* | *1308.26000000* |
| **RelInt Mean** | 0.00016826 | 0.00024368 | 0.01089510 | 0.00171208 | 0.00062453 | 0.00232920 | 0.00459242 |
| ***RelInt RSD*** | *8.77800032* | *2.72151364* | *8.46239135* | *12.86248306* | *42.72463220* | *3.58861841* | *22.61291432* |
| ***RelInt SD*** | *0.00001477* | *0.00000663* | *0.00092199* | *0.00022022* | *0.00026683* | *0.00008359* | *0.00103848* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 30910.1000000 | 9070.41000000 | 8268.71000000 | 6206.92000000 | 4389.35000000 | 4558.64000000 | 12999.9000000 |
| ***Int RSD*** | *2.15174975* | *0.67337088* | *0.32977574* | *2.58039414* | *0.83808537* | *2.38584315* | *2.35260271* |
| ***Int SD*** | *665.10800000* | *61.07750000* | *27.26820000* | *160.16300000* | *36.78650000* | *108.76200000* | *305.83600000* |
| **RelInt Mean** | 0.01119660 | 0.00026270 | -0.00009118 | 0.00049459 | 0.00012774 | 0.00048788 | 0.00203608 |
| ***RelInt RSD*** | *2.79566118* | *18.48347925* | *19.75405854* | *29.69542326* | *33.41657794* | *20.49877223* | *9.61818789* |
| ***RelInt SD*** | *0.00031302* | *0.00004856* | *0.00001801* | *0.00014687* | *0.00004269* | *0.00010001* | *0.00019583* |

| | 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** | 123085 | 4052.61000000 | 14249.1000000 | 1278970 | 31650200 | 673457 | 9654.83000000 |
| ***Int RSD*** | *3.07843360* | *0.83173807* | *0.37961064* | *0.48584955* | *0.86701190* | *0.46387668* | *0.88019882* |
| ***Int SD*** | *3789.09000000* | *33.70710000* | *54.09110000* | *6213.87000000* | *274411* | *3124.01000000* | *84.98170000* |
| **RelInt Mean** | 0.00215761 | 0.00005496 | 0.00005724 | --- | --- | --- | 0.00347020 |
| ***RelInt RSD*** | *5.20701146* | *77.42164400* | *7.35963801* | --- | --- | --- | *1.92162988* |
| ***RelInt SD*** | *0.00011235* | *0.00004255* | *0.00000421* | --- | --- | --- | *0.00006668* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 4942.16000000 | 22178.4000000 | 10874.1000000 | 4931.73000000 | 8295.42000000 | 5452.01000000 | |
| ***Int RSD*** | *6.11026353* | *3.53810915* | *0.50878969* | *1.45662475* | *0.58069875* | *0.28680982* | |
| ***Int SD*** | *301.97900000* | *784.69600000* | *55.32630000* | *71.83680000* | *48.17140000* | *15.63690000* | |
| **RelInt Mean** | -0.00041396 | 0.00019765 | 0.00198996 | 0.00023956 | 0.00021567 | -0.00013734 | |
| ***RelInt RSD*** | *38.21667899* | *120.24528703* | *2.91312388* | *18.75169584* | *4.08661461* | *11.13343964* | |
| ***RelInt SD*** | *0.00015820* | *0.00023766* | *0.00005797* | *0.00004492* | *0.00000881* | *0.00001529* | |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICAL,L8,S19242 | | | Sample Type: Calibration Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 10:54:38 | 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** | 51683.5000000 | 12606.1000000 | 3979.68000000 | 9495.89000000 | 8666.04000000 | 8918.83000000 | 7963.55000000 |
| ***Int RSD*** | *0.29972041* | *1.49876647* | *1.24473073* | *0.66995616* | *0.39169909* | *0.83029837* | *0.34647362* |
| ***Int SD*** | *154.90600000* | *188.93600000* | *49.53630000* | *63.61830000* | *33.94480000* | *74.05290000* | *27.59160000* |
| **RelInt Mean** | 0.00004716 | 0.00040469 | -0.00007210 | 0.00132880 | 0.00017474 | 0.00483238 | 0.00002916 |
| ***RelInt RSD*** | *6.45593695* | *51.51548099* | *52.36648886* | *3.69656833* | *3.53476248* | *2.69268973* | *62.71348582* |
| ***RelInt SD*** | *0.00000304* | *0.00020848* | *0.00003776* | *0.00004912* | *0.00000618* | *0.00013012* | *0.00001829* |

| | Cr 267.716 | Cu 324.754 | Fe 259.941 | K_R 769.896 | Mg_R 383.230 | Mn 257.611 | Mo 202.095 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 7722.54000000 | 51981.1000000 | 14396.4000000 | 7390.62000000 | 13836.6000000 | 10490.7000000 | 5857.66000000 |
| ***Int RSD*** | *0.24514085* | *0.38487065* | *1.76705982* | *2.63433920* | *1.84408019* | *0.13785353* | *1.68556557* |
| ***Int SD*** | *18.93110000* | *200.06000000* | *254.39300000* | *194.69400000* | *255.15800000* | *14.46180000* | *98.73470000* |
| **RelInt Mean** | 0.00010238 | 0.00020820 | 0.00348563 | 0.00149057 | 0.00042504 | 0.00072233 | 0.00078352 |
| ***RelInt RSD*** | *23.25005128* | *3.96484563* | *5.59069666* | *11.81407113* | *82.31064768* | *0.97780248* | *9.40283744* |
| ***RelInt SD*** | *0.00002380* | *0.00000825* | *0.00019487* | *0.00017610* | *0.00034985* | *0.00000706* | *0.00007367* |

| | Na_R 589.592 | Ni 231.604 | Pb 220.353 | Sb 206.833 | Se 196.090 | Sn 189.991 | Sr_R 407.771 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 31257.8000000 | 8721.63000000 | 8099.87000000 | 5686.33000000 | 4255.55000000 | 4077.01000000 | 12344.3000000 |
| ***Int RSD*** | *1.13258771* | *0.29592290* | *0.80352401* | *0.96897999* | *1.33818190* | *0.66465130* | *2.54336819* |
| ***Int SD*** | *354.02200000* | *25.80930000* | *65.08440000* | *55.09940000* | *56.94700000* | *27.09790000* | *313.96100000* |
| **RelInt Mean** | 0.01121560 | 0.00014653 | -0.00013278 | 0.00016301 | 0.00007030 | 0.00016385 | 0.00073059 |
| ***RelInt RSD*** | *1.85820643* | *12.60699539* | *37.54283304* | *35.09407341* | *72.21168043* | *16.85478359* | *51.77315837* |
| ***RelInt SD*** | *0.00020841* | *0.00001847* | *0.00004985* | *0.00005721* | *0.00005077* | *0.00002762* | *0.00037825* |

| | 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** | 98344.1000000 | 3858.29000000 | 13816.1000000 | 1287500 | 31966500 | 676357 | 6088.40000000 |
| ***Int RSD*** | *5.48388770* | *0.23373101* | *0.37750016* | *0.50268272* | *1.04003566* | *0.36406365* | *0.53280172* |
| ***Int SD*** | *5393.08000000* | *9.01802000* | *52.15580000* | *6472.04000000* | *332463* | *2462.37000000* | *32.43910000* |
| **RelInt Mean** | 0.00139567 | -0.00009594 | 0.00005311 | --- | --- | --- | 0.00074015 |
| ***RelInt RSD*** | *12.30742224* | *23.78503402* | *4.46675830* | --- | --- | --- | *3.86565499* |
| ***RelInt SD*** | *0.00017177* | *0.00002282* | *0.00000237* | --- | --- | --- | *0.00002861* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 5039.07000000 | 22540.8000000 | 971812 | 491130 | 8033.85000000 | 161475 | |
| ***Int RSD*** | *0.74354792* | *1.01360644* | *0.64200792* | *0.06240710* | *0.38757258* | *0.32729896* | |
| ***Int SD*** | *37.46790000* | *228.47500000* | *6239.11000000* | *306.50000000* | *31.13700000* | *528.50600000* | |
| **RelInt Mean** | -0.00070784 | 0.00037198 | 0.75343300 | 0.38050200 | 0.00012904 | 0.12196700 | |
| ***RelInt RSD*** | *27.24034946* | *48.39023603* | *0.30391023* | *0.55786041* | *40.67800157* | *0.83343855* | |
| ***RelInt SD*** | *0.00019282* | *0.00018000* | *0.00228976* | *0.00212267* | *0.00005249* | *0.00101652* | |

Method Name: Met06_Master011923 Method Autor: Operator

| **Sample Name: ICV,S19393** | Sample Type: Control Sample | | |
|---|---|---|---|
| Measure Date: 2023-12-11 10:58:07 | Recalculation Date: | State: Check failed | Quality: Failed |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 388524 | 23149.8000000 | 28867.4000000 | 126560 | 448826 | 644544 | 254900 |
| ***Int RSD*** | *2.14683005* | *0.44190879* | *0.66975204* | *0.49556732* | *0.37278366* | *1.04731252* | *0.25778423* |
| ***Int SD*** | *8340.95000000* | *102.30100000* | *193.34000000* | *627.19000000* | *1673.15000000* | *6750.39000000* | *657.09200000* |
| **RelInt Mean** | 0.01121520 | 0.01279730 | 0.01994250 | 0.09641740 | 0.35876600 | 0.97413300 | 0.20086900 |
| ***RelInt RSD*** | *3.22194878* | *0.52429966* | *0.81333835* | *0.44821785* | *0.23689898* | *0.15325936* | *0.17207384* |
| ***RelInt SD*** | *0.00036135* | *0.00006710* | *0.00016220* | *0.00043216* | *0.00084991* | *0.00149295* | *0.00034564* |
| **Conc Mean** | 0.47938800[mg/l] | 1.06694000[mg/l] | 0.98206700[mg/l] | 0.96135900[mg/l] | 0.97657900[mg/l] | 50.20400000[mg/l] | 0.98692100[mg/l] |
| ***Conc RSD*** | *3.23671014* | *0.53473672* | *0.81097726* | *0.45034269* | *0.23738889* | *0.15407318* | *0.17347792* |
| ***Conc SD*** | *0.01551640[mg/l]* | *0.00570532[mg/l]* | *0.00796434[mg/l]* | *0.00432941[mg/l]* | *0.00231829[mg/l]* | *0.07735090[mg/l]* | *0.00171209[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** | 217485 | 909212 | 400289 | 121848 | 138355 | 2024530 | 161919 |
| ***Int RSD*** | *0.27393889* | *2.53032296* | *0.19192408* | *2.74340982* | *0.79870623* | *0.24513690* | *0.49321574* |
| ***Int SD*** | *595.77600000* | *23006.0000000* | *768.25100000* | *3342.79000000* | *1105.05000000* | *4962.87000000* | *798.61000000* |
| **RelInt Mean** | 0.17058800 | 0.02869870 | 0.31775500 | 0.17540500 | 0.19010900 | 1.64273000 | 0.12774500 |
| ***RelInt RSD*** | *0.17815028* | *3.52866158* | *0.09564444* | *2.19331832* | *0.54482429* | *0.21493489* | *0.38249403* |
| ***RelInt SD*** | *0.00030390* | *0.00101268* | *0.00030391* | *0.00384719* | *0.00103576* | *0.00353080* | *0.00048862* |
| **Conc Mean** | 0.96600300[mg/l] | 0.93923700[mg/l] | 0.99344700[mg/l] | 56.27070000[mg/l] | 48.39610000[mg/l] | 0.98610400[mg/l] | 0.93355700[mg/l] |
| ***Conc RSD*** | *0.17809676* | *3.55484292* | *0.09567576* | *2.21074200* | *0.54692010* | *0.21503209* | *0.38271364* |
| ***Conc SD*** | *0.00172042[mg/l]* | *0.03338840[mg/l]* | *0.00095049[mg/l]* | *1.24400000[mg/l]* | *0.26468800[mg/l]* | *0.00212044[mg/l]* | *0.00357285[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** | 610863 | 172472 | 47087.8000000 | 32877.4000000 | 24808.0000000 | 317888 | 704449 |
| ***Int RSD*** | *1.16559196* | *0.65690663* | *0.25938566* | *0.39671020* | *0.29729160* | *0.51389483* | *1.15694536* |
| ***Int SD*** | *7120.17000000* | *1132.98000000* | *122.13900000* | *130.42800000* | *73.75210000* | *1633.61000000* | *8150.09000000* |
| **RelInt Mean** | 0.89427500 | 0.13309400 | 0.03126190 | 0.02204750 | 0.01661790 | 0.25583400 | 1.05669000 |
| ***RelInt RSD*** | *0.33480193* | *0.63810014* | *0.28742303* | *0.38573897* | *0.54518621* | *0.38359014* | *0.26774172* |
| ***RelInt SD*** | *0.00299405* | *0.00084927* | *0.00008985* | *0.00008505* | *0.00009060* | *0.00098135* | *0.00282920* |
| **Conc Mean** | 48.86760000[mg/l] | 0.96843400[mg/l] | 1.00632000[mg/l] | 0.96455300[mg/l] | 0.98195900[mg/l] | 4.75004000[mg/l] | 1.03357000[mg/l] |
| ***Conc RSD*** | *0.33888302* | *0.63900896* | *0.28631250* | *0.38706841* | *0.54581098* | *0.38360309* | *0.26790058* |
| ***Conc SD*** | *0.16560400[mg/l]* | *0.00618838[mg/l]* | *0.00288122[mg/l]* | *0.00373348[mg/l]* | *0.00535964[mg/l]* | *0.01822130[mg/l]* | *0.00276894[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** | 3048610 | 25696.4000000 | 177430 | 1236310 | 30072900 | 667128 | 408101 |
| ***Int RSD*** | *2.47977603* | *0.59511838* | *2.36169193* | *0.14882352* | *0.89831376* | *0.89747395* | *0.32071473* |
| ***Int SD*** | *75598.7000000* | *152.92400000* | *4190.35000000* | *1839.92000000* | *270149* | *5987.30000000* | *1308.84000000* |
| **RelInt Mean** | 0.09965410 | 0.01742840 | 0.00548289 | --- | --- | --- | 0.32824400 |
| ***RelInt RSD*** | *3.35306826* | *0.77406991* | *3.36700171* | --- | --- | --- | *0.20746822* |
| ***RelInt SD*** | *0.00334147* | *0.00013491* | *0.00018461* | --- | --- | --- | *0.00068100* |
| **Conc Mean** | 0.95834500[mg/l] | 0.99046800[mg/l] | 0.93149200[mg/l] | 1226070 | 29997200 | 655334 | 1.02231000[mg/l] |
| ***Conc RSD*** | *3.35329135* | *0.77473881* | *3.40201526* | --- | --- | --- | *0.20835265* |
| ***Conc SD*** | *0.03213610[mg/l]* | *0.00767354[mg/l]* | *0.03168950[mg/l]* | *1831.43000000* | *270123* | *5923.28000000* | *0.00213001[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 245932 | 109473 | 543168 | 243623 | 380187 | 83840.4000000 | |
| ***Int RSD*** | *1.67874453* | *2.13360372* | *0.47059842* | *0.31879625* | *0.46925329* | *0.24736762* | |
| ***Int SD*** | *4128.57000000* | *2335.72000000* | *2556.14000000* | *776.66100000* | *1784.04000000* | *207.39400000* | |
| **RelInt Mean** | 0.36644500 | 0.13283800 | 0.43552000 | 0.19450200 | 0.30281100 | 0.06352550 | |
| ***RelInt RSD*** | *0.81404304* | *1.83969948* | *0.34845013* | *0.21795046* | *0.41001483* | *0.31355283* | |
| ***RelInt SD*** | *0.00298302* | *0.00244382* | *0.00151757* | *0.00042392* | *0.00124157* | *0.00019919* | |
| **Conc Mean** | 0.94296100[mg/l] | 0.88016300[mg/l] | 5.75323000[mg/l] | 5.10864000[mg/l] | 0.95412500[mg/l] | 5.22007000[mg/l] | |
| ***Conc RSD*** | *0.81302090* | *1.84395390* | *0.35022761* | *0.21819114* | *0.41471400* | *0.31208585* | |
| ***Conc SD*** | *0.00766647[mg/l]* | *0.01622980[mg/l]* | *0.02014940[mg/l]* | *0.01114660[mg/l]* | *0.00395689[mg/l]* | *0.01629110[mg/l]* | |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419014 | File: | met06_master011 | Time: | 11-DEC-2023 11:04 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | ND | 0.003333 | --- | mg/l | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31679300 | -0.03 |
| Yttrium | A | 1263590 | 1279140 | 1.23 |
| Yttrium | R | 683754 | 669583 | -2.07 |

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: ICB,1** | Sample Type: Control Sample

Measure Date: 2023-12-11 11:04:37 | 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 | 52505.6000000 | 12426.1000000 | 3985.59000000 | 8608.04000000 | 8722.49000000 | 8696.43000000 | 8029.30000000 |
| *Int RSD* | *0.72486363* | *0.05645359* | *0.67116788* | *0.71212378* | *0.80583641* | *0.27172184* | *0.92568966* |
| *Int SD* | *380.59400000* | *7.01498000* | *26.75000000* | *61.29990000* | *70.28900000* | *23.63010000* | *74.32640000* |
| RelInt Mean | 0.00004567 | 0.00038397 | -0.00010742 | 0.00061833 | 0.00022427 | 0.00454981 | 0.00002716 |
| *RelInt RSD* | *11.91331061* | *11.47294978* | *6.17571216* | *3.60832312* | *21.86082079* | *2.16234524* | *110.78322013* |
| *RelInt SD* | *0.00000544* | *0.00004405* | *0.00000663* | *0.00002231* | *0.00004903* | *0.00009838* | *0.00003009* |
| Conc Mean | <-0.00022490[mg/l] | <0.01172660[mg/l] | <-0.00154432[mg/l] | <0.00156678[mg/l] | <0.00018280[mg/l] | <-0.01056550[mg/l] | <-0.00008722[mg/l] |
| *Conc RSD* | *103.88215259* | *31.93397916* | *21.10559988* | *14.26677645* | *73.25277346* | *48.22431499* | *169.77569159* |
| *Conc SD* | *0.00023363[mg/l]* | *0.00374477[mg/l]* | *0.00032594[mg/l]* | *0.00022353[mg/l]* | *0.00013391[mg/l]* | *0.00509514[mg/l]* | *0.00014808[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 | 7726.99000000 | 52607.0000000 | 12056.2000000 | 7230.58000000 | 13780.1000000 | 10217.1000000 | 5114.04000000 |
| *Int RSD* | *0.34728529* | *1.14491227* | *0.55549095* | *1.13874959* | *1.34468545* | *1.15709937* | *0.46453880* |
| *Int SD* | *26.83470000* | *602.30400000* | *66.97110000* | *82.33820000* | *185.29900000* | *118.22200000* | *23.75670000* |
| RelInt Mean | 0.00004414 | 0.00020648 | 0.00159774 | 0.00143752 | 0.00071405 | 0.00047742 | 0.00016602 |
| *RelInt RSD* | *95.85417686* | *2.82312658* | *5.96234056* | *4.28734905* | *40.70368016* | *13.87653664* | *9.29069641* |
| *RelInt SD* | *0.00004231* | *0.00000583* | *0.00009526* | *0.00006163* | *0.00029064* | *0.00006625* | *0.00001542* |
| Conc Mean | <-0.00009868[mg/l] | <-0.00014801[mg/l] | 0.00381864[mg/l] | <0.01249830[mg/l] | <-0.00774233[mg/l] | <-0.00003320[mg/l] | 0.00090233[mg/l] |
| *Conc RSD* | *242.86611811* | *129.84798324* | *7.80895816* | *159.46248690* | *959.39981892* | *119.80773517* | *12.49679994* |
| *Conc SD* | *0.00023967[mg/l]* | *0.00019219[mg/l]* | *0.00029820[mg/l]* | *0.01993010[mg/l]* | *0.07427990[mg/l]* | *0.00003978[mg/l]* | *0.00011276[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 | 31142.7000000 | 8857.25000000 | 8184.04000000 | 5541.80000000 | 4218.33000000 | 4026.54000000 | 12020.5000000 |
| *Int RSD* | *0.50815119* | *0.55024980* | *1.03821951* | *0.93077339* | *0.35925354* | *1.26498681* | *1.07489705* |
| *Int SD* | *158.25200000* | *48.73700000* | *84.96830000* | *51.58160000* | *15.15450000* | *50.93520000* | *129.20800000* |
| RelInt Mean | 0.01161970 | 0.00017323 | -0.00011544 | 0.00000966 | -0.00001318 | 0.00009295 | 0.00046822 |
| *RelInt RSD* | *1.96463764* | *9.60549103* | *27.77412984* | *480.07413409* | *116.12952184* | *31.92709645* | *37.22523600* |
| *RelInt SD* | *0.00022829* | *0.00001664* | *0.00003206* | *0.00004639* | *0.00001530* | *0.00002968* | *0.00017430* |
| Conc Mean | <0.04291760[mg/l] | <0.00000835[mg/l] | <0.00086676[mg/l] | <0.00078840[mg/l] | <-0.00211385[mg/l] | 0.00140866[mg/l] | <-0.00019988[mg/l] |
| *Conc RSD* | *29.42732119* | *1451.02756532* | *118.66634055* | *258.90058764* | *42.83657781* | *39.11753014* | *85.34578074* |
| *Conc SD* | *0.01262950[mg/l]* | *0.00012123[mg/l]* | *0.00102855[mg/l]* | *0.00204118[mg/l]* | *0.00090550[mg/l]* | *0.00055103[mg/l]* | *0.00017059[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 | 59579.2000000 | 3913.07000000 | 14174.7000000 | 1279140 | 31679300 | 669583 | 5809.21000000 |
| *Int RSD* | *0.99880327* | *0.35889723* | *2.18775001* | *0.29994606* | *0.76803465* | *1.06692972* | *0.53844154* |
| *Int SD* | *595.07900000* | *14.04390000* | *310.10700000* | *3836.73000000* | *243308* | *7143.98000000* | *31.27920000* |
| RelInt Mean | 0.00015162 | -0.00004802 | 0.00005550 | --- | --- | --- | 0.00048378 |
| *RelInt RSD* | *3.52620332* | *64.55920507* | *5.07473498* | --- | --- | --- | *4.28357931* |
| *RelInt SD* | *0.00000535* | *0.00003100* | *0.00000282* | --- | --- | --- | *0.00002072* |
| Conc Mean | 0.00138121[mg/l] | <-0.00005581[mg/l] | <0.00015461[mg/l] | 1269240 | 31604300 | 657780 | <0.00013593[mg/l] |
| *Conc RSD* | *3.72272862* | *3164.13214285* | *312.68707879* | --- | --- | --- | *47.47881294* |
| *Conc SD* | *0.00005142[mg/l]* | *0.00176588[mg/l]* | *0.00048346[mg/l]* | *3844.61000000* | *243171* | *7214.77000000* | *0.00006454[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 5085.68000000 | 22527.5000000 | 10013.5000000 | 4989.22000000 | 8132.58000000 | 5328.42000000 | |
| *Int RSD* | *1.46821467* | *0.44189413* | *1.16327957* | *1.29805060* | *0.94427722* | *0.90208730* | |
| *Int SD* | *74.66870000* | *99.54770000* | *116.48500000* | *64.76260000* | *76.79410000* | *48.06700000* | |
| RelInt Mean | -0.00054560 | 0.00062878 | 0.00137365 | 0.00028975 | 0.00013144 | -0.00024143 | |
| *RelInt RSD* | *36.59170930* | *31.53413202* | *6.20790594* | *14.65689506* | *22.45984829* | *5.09218031* | |
| *RelInt SD* | *0.00019964* | *0.00019828* | *0.00008527* | *0.00004247* | *0.00002952* | *0.00001229* | |
| Conc Mean | <-0.00021563[mg/l] | <0.00216537[mg/l] | 0.00346372[mg/l] | <0.00129649[mg/l] | <-0.00003453[mg/l] | <0.00458551[mg/l] | |
| *Conc RSD* | *237.95524638* | *60.81039268* | *32.76766020* | *86.14181367* | *268.56512346* | *21.92820428* | |
| *Conc SD* | *0.00051309[mg/l]* | *0.00131677[mg/l]* | *0.00113498[mg/l]* | *0.00111682[mg/l]* | *0.00009273[mg/l]* | *0.00100552[mg/l]* | |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419015 | File: | met06_master011 | Time: | 11-DEC-2023 11:19 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19107, S14463 (100X)

| Analyte | Ch | Quant | IQL | Units | Flags |
|---|---|---|---|---|---|
| Lead | A | 0.006172 | 0.003333 | mg/l | !a+ |

| Interferent | Ch | Spiked | Quant | Units | %Rec | Flags |
|---|---|---|---|---|---|---|
| Iron | A | 160.0 | 158.1 | mg/l | 99 | |
| Aluminum | R | 400.0 | 409.6 | mg/l | 102 | |
| Calcium | R | 400.0 | 420.3 | mg/l | 105 | |
| Magnesium | R | 400.0 | 433.9 | mg/l | 108 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 27913900 | -11.91 |
| Yttrium | A | 1263590 | 1133090 | -10.33 |
| Yttrium | R | 683754 | 634943 | -7.14 |

*!=warning +=high bias a=ICSA*

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: ICSA,S19107** | Sample Type: Control Sample

Measure Date: 2023-12-11 11:19:41 | 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 | 53400.8000000 | 3035650 | 11471.2000000 | 13347.5000000 | 12354.9000000 | 5070720 | 10239.3000000 |
| *Int RSD* | *0.85544973* | *1.18357518* | *1.60374677* | *1.69687957* | *0.88746975* | *1.16877485* | *0.36528571* |
| *Int SD* | *456.81700000* | *35929.2000000* | *183.96900000* | *226.49100000* | *109.64600000* | *59265.3000000* | *37.40270000* |
| RelInt Mean | 0.00002941 | 4.81860000 | 0.00000201 | 0.00198020 | 0.00190537 | 8.12086000 | 0.00039501 |
| *RelInt RSD* | *31.25359099* | *1.53289752* | *6508.42996549* | *9.12599737* | *5.03293324* | *1.47634610* | *12.73332776* |
| *RelInt SD* | *0.00000919* | *0.07386420* | *0.00013106* | *0.00018071* | *0.00009590* | *0.11989200* | *0.00005030* |
| Conc Mean | <-0.00092297[mg/l] | >409.59100000[mg/l] | <0.00383218[mg/l] | 0.01521110[mg/l] | 0.00479259[mg/l] | >420.33200000[mg/l] | 0.00172097[mg/l] |
| *Conc RSD* | *42.76805197* | *1.53299999* | *167.92504527* | *11.90242652* | *5.52390252* | *1.47724180* | *14.38305142* |
| *Conc SD* | *0.00039474[mg/l]* | *6.27903000[mg/l]* | *0.00643519[mg/l]* | *0.00181049[mg/l]* | *0.00026474[mg/l]* | *6.20932000[mg/l]* | *0.00024753[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 | 9835.97000000 | 56965.6000000 | 56650400 | 6824.93000000 | 1075700 | 22537.9000000 | 16364.0000000 |
| *Int RSD* | *0.62815767* | *0.50704109* | *0.89644910* | *1.00139928* | *0.33566794* | *0.83229138* | *0.61632242* |
| *Int SD* | *61.78540000* | *288.83900000* | *507842* | *68.34480000* | *3610.78000000* | *187.58100000* | *100.85500000* |
| RelInt Mean | -0.00059473 | 0.00026668 | 50.51890000 | 0.00134932 | 1.69866000 | 0.00671100 | -0.00042067 |
| *RelInt RSD* | *5.97741485* | *1.46862309* | *1.24022297* | *3.08259716* | *0.07391709* | *1.75386679* | *23.76918085* |
| *RelInt SD* | *0.00003555* | *0.00000392* | *0.62654700* | *0.00004159* | *0.00125560* | *0.00011770* | *0.00009999* |
| Conc Mean | <-0.00371774[mg/l] | 0.00183665[mg/l] | >158.13200000[mg/l] | <-0.01602510[mg/l] | >433.93700000[mg/l] | 0.00370992[mg/l] | <-0.00338660[mg/l] |
| *Conc RSD* | *5.41670477* | *7.02991860* | *1.24013482* | *83.93769774* | *0.07403609* | *1.90523246* | *21.58385992* |
| *Conc SD* | *0.00020138[mg/l]* | *0.00012912[mg/l]* | *1.96105000[mg/l]* | *0.01345110[mg/l]* | *0.32127000[mg/l]* | *0.00007068[mg/l]* | *0.00073096[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 | 27468.3000000 | 10561.9000000 | 21394.4000000 | 19125.5000000 | 13263.3000000 | 11090.5000000 | 13917.4000000 |
| *Int RSD* | *1.43800308* | *0.61177440* | *0.48035000* | *0.05944786* | *0.56420951* | *0.67993688* | *1.24469369* |
| *Int SD* | *394.99500000* | *64.61500000* | *102.76800000* | *11.36970000* | *74.83280000* | *75.40840000* | *173.22900000* |
| RelInt Mean | 0.00802598 | -0.00000475 | 0.00322046 | 0.00013010 | -0.00001599 | -0.00005392 | 0.00326503 |
| *RelInt RSD* | *4.43562032* | *1282.91727233* | *3.69947150* | *77.39703916* | *595.47049222* | *136.45516333* | *6.53473322* |
| *RelInt SD* | *0.00035600* | *0.00006090* | *0.00011914* | *0.00010069* | *0.00009522* | *0.00007358* | *0.00021336* |
| Conc Mean | <-0.15587400[mg/l] | <-0.00128833[mg/l] | 0.00617183[mg/l] | 0.00610747[mg/l] | <-0.00228029[mg/l] | <-0.00131850[mg/l] | <0.00253747[mg/l] |
| *Conc RSD* | *12.63360150* | *34.43954577* | *46.62134245* | *72.51234963* | *247.08436208* | *103.62229807* | *8.22981158* |
| *Conc SD* | *0.01969250[mg/l]* | *0.00044370[mg/l]* | *0.00287739[mg/l]* | *0.00442867[mg/l]* | *0.00563424[mg/l]* | *0.00136626[mg/l]* | *0.00020883[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 | 67281.0000000 | 11480.3000000 | 17176.5000000 | 1133090 | 27913900 | 634943 | 19229.0000000 |
| *Int RSD* | *0.47978181* | *0.07734449* | *0.59035310* | *0.34061019* | *1.29518627* | *0.37882613* | *1.41685475* |
| *Int SD* | *322.80200000* | *8.87938000* | *101.40200000* | *3859.42000000* | *361537* | *2405.33000000* | *272.44700000* |
| RelInt Mean | 0.00030696 | -0.00002590 | 0.00004771 | --- | --- | --- | 0.00112773 |
| *RelInt RSD* | *2.40695928* | *121.77563236* | *9.48826787* | --- | --- | --- | *19.83728375* |
| *RelInt SD* | *0.00000739* | *0.00003153* | *0.00000453* | --- | --- | --- | *0.00022371* |
| Conc Mean | 0.00287514[mg/l] | <0.00121229[mg/l] | <-0.00118091[mg/l] | 1121050 | 27826100 | 623070 | 0.00214699[mg/l] |
| *Conc RSD* | *2.47146922* | *148.06275726* | *65.77850979* | --- | --- | --- | *32.51319289* |
| *Conc SD* | *0.00007106[mg/l]* | *0.00179495[mg/l]* | *0.00077679[mg/l]* | *3839.93000000* | *361537* | *2365.13000000* | *0.00069805[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 5009.30000000 | 21435.2000000 | 13691.7000000 | 9727.65000000 | 10155.3000000 | 12672.0000000 | |
| *Int RSD* | *1.66608907* | *1.16665112* | *1.49573099* | *1.96882084* | *0.82537591* | *1.13863636* | |
| *Int SD* | *83.45940000* | *250.07400000* | *204.79100000* | *191.52000000* | *83.81940000* | *144.28800000* | |
| RelInt Mean | -0.00045392 | 0.00059954 | 0.00186162 | 0.00020227 | -0.00056612 | 0.00118487 | |
| *RelInt RSD* | *34.66975676* | *13.64713555* | *7.64952031* | *55.16547517* | *13.42035816* | *8.95397807* | |
| *RelInt SD* | *0.00015737* | *0.00008182* | *0.00014241* | *0.00011158* | *0.00007598* | *0.00010609* | |
| Conc Mean | <0.00001998[mg/l] | <0.00197120[mg/l] | 0.01004640[mg/l] | <-0.00100417[mg/l] | <-0.00226131[mg/l] | 0.12124300[mg/l] | |
| *Conc RSD* | *2023.80285214* | *27.56508726* | *18.69316372* | *292.21247398* | *10.84964025* | *7.15692452* | |
| *Conc SD* | *0.00040446[mg/l]* | *0.00054336[mg/l]* | *0.00187799[mg/l]* | *0.00293431[mg/l]* | *0.00024534[mg/l]* | *0.00867727[mg/l]* | |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419016 | File: | met06_master011 | Time: | 11-DEC-2023 11:22 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19267, S14463 (100X)

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 1.125 | mg/l | 12 | 20 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 27848800 | -12.11 |
| Yttrium | A | 1263590 | 1139520 | -9.82 |
| Yttrium | R | 683754 | 634855 | -7.15 |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: ICSAB,S19267 | | | Sample Type: Control Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 11:22:56 | 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 | 794330 | 3082690 | 11612.6000000 | 13057.0000000 | 241494 | 5173450 | 130930 |
| *Int RSD* | *2.31616583* | *0.16699182* | *0.56045588* | *0.57990197* | *0.30247542* | *0.07569997* | *0.45095394* |
| *Int SD* | *18398.0000000* | *5147.84000000* | *65.08350000* | *75.71780000* | *730.46000000* | *3916.30000000* | *590.43400000* |
| RelInt Mean | 0.02665790 | 4.89260000 | 0.00006939 | 0.00162186 | 0.20495900 | 8.28405000 | 0.10727300 |
| *RelInt RSD* | *2.98295440* | *0.43808813* | *110.98945603* | *4.24068045* | *0.27007597* | *0.31743531* | *0.30068517* |
| *RelInt SD* | *0.00079519* | *0.02143390* | *0.00007701* | *0.00006878* | *0.00055355* | *0.02629650* | *0.00032255* |
| Conc Mean | 1.14249000[mg/l] | >415.88200000[mg/l] | 0.00667134[mg/l] | 0.01162100[mg/l] | 0.55969300[mg/l] | >428.78400000[mg/l] | 0.52783300[mg/l] |
| *Conc RSD* | *2.98870887* | *0.43801367* | *56.68606307* | *5.92969624* | *0.27084134* | *0.31764012* | *0.30088873* |
| *Conc SD* | *0.03414570[mg/l]* | *1.82162000[mg/l]* | *0.00378172[mg/l]* | *0.00068909[mg/l]* | *0.00151588[mg/l]* | *1.36199000[mg/l]* | *0.00158819[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 | 115630 | 537721 | 57295100 | 6734.39000000 | 1088570 | 1058500 | 16554.7000000 |
| *Int RSD* | *0.46386059* | *1.85715827* | *0.56791069* | *0.66307862* | *0.27883829* | *0.51081719* | *0.65819375* |
| *Int SD* | *536.36200000* | *9986.33000000* | *325385* | *44.65430000* | *3035.35000000* | *5407.00000000* | *108.96200000* |
| RelInt Mean | 0.09310200 | 0.01753190 | 50.80720000 | 0.00125615 | 1.71925000 | 0.92542700 | -0.00047611 |
| *RelInt RSD* | *0.35003544* | *2.54573092* | *0.16827950* | *1.77077578* | *0.19747157* | *0.12873193* | *34.66105166* |
| *RelInt SD* | *0.00032589* | *0.00044632* | *0.08549810* | *0.00002224* | *0.00339503* | *0.00119132* | *0.00016502* |
| Conc Mean | 0.52705700[mg/l] | 0.57106900[mg/l] | >159.03400000[mg/l] | <-0.04615420[mg/l] | >439.20000000[mg/l] | 0.55537800[mg/l] | <-0.00379187[mg/l] |
| *Conc RSD* | *0.35022967* | *2.57699157* | *0.16826968* | *15.58313220* | *0.19755442* | *0.12884900* | *31.81517299* |
| *Conc SD* | *0.00184591[mg/l]* | *0.01471640[mg/l]* | *0.26760600[mg/l]* | *0.00719227[mg/l]* | *0.86765900[mg/l]* | *0.00071560[mg/l]* | *0.00120639[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 | 27248.0000000 | 174481 | 61053.6000000 | 19394.1000000 | 13552.6000000 | 11232.8000000 | 13741.2000000 |
| *Int RSD* | *0.46023194* | *0.70846109* | *0.27733172* | *1.40260182* | *0.57527707* | *0.81772399* | *0.40154062* |
| *Int SD* | *125.40400000* | *1236.13000000* | *169.32100000* | *272.02200000* | *77.96500000* | *91.85330000* | *55.17650000* |
| RelInt Mean | 0.00793230 | 0.14513300 | 0.03816480 | 0.00006717 | 0.00002378 | -0.00010568 | 0.00323940 |
| *RelInt RSD* | *3.50849060* | *0.35088298* | *0.11408313* | *403.71788611* | *112.86607492* | *59.68545067* | *2.82514046* |
| *RelInt SD* | *0.00027830* | *0.00050925* | *0.00004354* | *0.00027117* | *0.00002684* | *0.00006307* | *0.00009152* |
| Conc Mean | <-0.16105500[mg/l] | 1.05615000[mg/l] | 1.12477000[mg/l] | <0.00022554[mg/l] | <0.00007313[mg/l] | <-0.00227943[mg/l] | 0.00251239[mg/l] |
| *Conc RSD* | *9.55841172* | *0.35124177* | *0.08835415* | *5293.25175135* | *2172.03418803* | *51.37819543* | *3.56511927* |
| *Conc SD* | *0.01539430[mg/l]* | *0.00370964[mg/l]* | *0.00099378[mg/l]* | *0.01193840[mg/l]* | *0.00158830[mg/l]* | *0.00117113[mg/l]* | *0.00008957[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 | 67414.6000000 | 11775.0000000 | 103761 | 1139520 | 27848800 | 634855 | 415217 |
| *Int RSD* | *0.80432577* | *0.17399236* | *2.62265206* | *0.45063448* | *0.54697868* | *0.33181593* | *0.65994408* |
| *Int SD* | *542.23300000* | *20.48760000* | *2721.29000000* | *5135.07000000* | *152327* | *2106.55000000* | *2740.20000000* |
| RelInt Mean | 0.00030226 | 0.00005266 | 0.00315660 | --- | --- | --- | 0.35200300 |
| *RelInt RSD* | *3.55155461* | *12.25860055* | *3.57406703* | --- | --- | --- | *0.23612356* |
| *RelInt SD* | *0.00001074* | *0.00000645* | *0.00011282* | --- | --- | --- | *0.00083116* |
| Conc Mean | 0.00282999[mg/l] | 0.00568763[mg/l] | 0.53251200[mg/l] | 1127340 | 27760200 | 623162 | 1.09667000[mg/l] |
| *Conc RSD* | *3.64817544* | *6.47999255* | *3.63687579* | --- | --- | --- | *0.23666463* |
| *Conc SD* | *0.00010324[mg/l]* | *0.00036856[mg/l]* | *0.01936680[mg/l]* | *5082.97000000* | *152415* | *1906.51000000* | *0.00259543[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| Int Mean | 132137 | 21191.4000000 | 13835.7000000 | 10152.6000000 | 412360 | 12695.6000000 | |
| *Int RSD* | *0.69662926* | *0.55944864* | *0.13939157* | *2.10050627* | *0.44496314* | *1.54570875* | |
| *Int SD* | *920.50500000* | *118.55500000* | *19.28580000* | *213.25600000* | *1834.85000000* | *196.23700000* | |
| RelInt Mean | 0.20330000 | 0.00022329 | 0.00182911 | 0.00057125 | 0.35550900 | 0.00107919 | |
| *RelInt RSD* | *0.48733842* | *106.02439855* | *5.36302355* | *30.47749588* | *0.14522867* | *13.89773812* | |
| *RelInt SD* | *0.00099076* | *0.00023674* | *0.00009810* | *0.00017410* | *0.00051630* | *0.00014998* | |
| Conc Mean | 0.52367400[mg/l] | <-0.00052745[mg/l] | 0.00962349[mg/l] | <0.00869928[mg/l] | 1.12442000[mg/l] | 0.11259900[mg/l] | |
| *Conc RSD* | *0.48615742* | *298.07754290* | *13.34339205* | *52.63067748* | *0.14605574* | *10.89423530* | |
| *Conc SD* | *0.00254588[mg/l]* | *0.00157221[mg/l]* | *0.00128410[mg/l]* | *0.00457849[mg/l]* | *0.00164228[mg/l]* | *0.01226680[mg/l]* | |

ENTHALPY CONTINUING CALIBRATION FOR 497480 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419117 | File: | met06_master011 | Time: | 11-DEC-2023 17:41 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19393, S14463 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0228 | 0.0324 | 1.000 | 1.042 | mg/l | 4 | 10 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 29450300 | -7.06 |
| Yttrium | A | 1263590 | 1284120 | 1.62 |
| Yttrium | R | 683754 | 653603 | -4.41 |

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: ICV,S19393** | Sample Type: Control Sample

Measure Date: 2023-12-11 17:41:17 | 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** | 379854 | 21514.1000000 | 29514.7000000 | 129997 | 470296 | 649146 | 267139 |
| ***Int RSD*** | *2.72899588* | *0.50956814* | *0.45551200* | *0.28924052* | *0.29837804* | *0.44961534* | *0.37551612* |
| ***Int SD*** | *10366.2000000* | *109.62900000* | *134.44300000* | *376.00400000* | *1403.26000000* | *2918.66000000* | *1003.15000000* |
| **RelInt Mean** | 0.01125700 | 0.01293530 | 0.01992290 | 0.09586340 | 0.36230900 | 1.00089000 | 0.20320900 |
| ***RelInt RSD*** | *4.06111753* | *1.41037316* | *0.81289371* | *0.55519729* | *0.50455274* | *0.20085324* | *0.60370850* |
| ***RelInt SD*** | *0.00045716* | *0.00018244* | *0.00016195* | *0.00053223* | *0.00182804* | *0.00201032* | *0.00122679* |
| **Conc Mean** | 0.48118000[mg/l] | 1.07867000[mg/l] | 0.98110200[mg/l] | 0.95580900[mg/l] | 0.98614000[mg/l] | 51.58990000[mg/l] | 0.99842900[mg/l] |
| ***Conc RSD*** | *4.07957521* | *1.43779840* | *0.81032145* | *0.55792737* | *0.50268015* | *0.20198527* | *0.59731438* |
| ***Conc SD*** | *0.01963010[mg/l]* | *0.01550910[mg/l]* | *0.00795008[mg/l]* | *0.00533272[mg/l]* | *0.00495713[mg/l]* | *0.10420400[mg/l]* | *0.00596376[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** | 225936 | 891936 | 422005 | 82263.9000000 | 136008 | 2108250 | 173383 |
| ***Int RSD*** | *0.31474223* | *3.15616816* | *0.79874172* | *1.21838376* | *0.74608111* | *0.09327547* | *0.86725342* |
| ***Int SD*** | *711.11600000* | *28151.0000000* | *3370.73000000* | *1002.29000000* | *1014.73000000* | *1966.48000000* | *1503.67000000* |
| **RelInt Mean** | 0.17107500 | 0.02879290 | 0.32328200 | 0.11835000 | 0.19263700 | 1.64645000 | 0.13218200 |
| ***RelInt RSD*** | *0.44484641* | *4.20964891* | *1.01451364* | *1.90954795* | *0.87631660* | *0.17585229* | *1.12999501* |
| ***RelInt SD*** | *0.00076102* | *0.00121208* | *0.00327974* | *0.00225995* | *0.00168811* | *0.00289532* | *0.00149365* |
| **Conc Mean** | 0.96876000[mg/l] | 0.94234300[mg/l] | 1.01074000[mg/l] | 37.82020000[mg/l] | 49.04220000[mg/l] | 0.98833700[mg/l] | 0.96599000[mg/l] |
| ***Conc RSD*** | *0.44484702* | *4.24069580* | *1.01548371* | *1.93251226* | *0.87978516* | *0.17561520* | *1.13018768* |
| ***Conc SD*** | *0.00430950[mg/l]* | *0.03996190[mg/l]* | *0.01026390[mg/l]* | *0.73088000[mg/l]* | *0.43146600[mg/l]* | *0.00173567[mg/l]* | *0.01091750[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** | 567012 | 180721 | 49462.7000000 | 33675.8000000 | 26133.3000000 | 332499 | 716294 |
| ***Int RSD*** | *0.49193491* | *0.48931723* | *0.19154474* | *0.87534075* | *0.51077744* | *0.33671680* | *0.37896171* |
| ***Int SD*** | *2789.33000000* | *884.29900000* | *94.74320000* | *294.77800000* | *133.48300000* | *1119.58000000* | *2714.48000000* |
| **RelInt Mean** | 0.84588800 | 0.13492900 | 0.03236160 | 0.02213260 | 0.01723830 | 0.25780800 | 1.09716000 |
| ***RelInt RSD*** | *0.90213480* | *0.59664638* | *0.23201572* | *1.29373865* | *0.77983908* | *0.57087057* | *0.29494787* |
| ***RelInt SD*** | *0.00763105* | *0.00080505* | *0.00007508* | *0.00028634* | *0.00013443* | *0.00147175* | *0.00323605* |
| **Conc Mean** | 46.19100000[mg/l] | 0.98180900[mg/l] | 1.04157000[mg/l] | 0.96828100[mg/l] | 1.01867000[mg/l] | 4.78669000[mg/l] | 1.07317000[mg/l] |
| ***Conc RSD*** | *0.91378191* | *0.59726586* | *0.23032729* | *1.29823884* | *0.78071701* | *0.57084541* | *0.29562325* |
| ***Conc SD*** | *0.42208500[mg/l]* | *0.00586401[mg/l]* | *0.00239902[mg/l]* | *0.01257060[mg/l]* | *0.00795293[mg/l]* | *0.02732460[mg/l]* | *0.00317254[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** | 2999430 | 25537.2000000 | 173965 | 1284120 | 29450300 | 653603 | 425837 |
| ***Int RSD*** | *3.52053557* | *0.39301098* | *3.30959101* | *0.22184064* | *1.10695307* | *0.59635742* | *0.58048267* |
| ***Int SD*** | *105596* | *100.36400000* | *5757.53000000* | *2848.70000000* | *326001* | *3897.81000000* | *2471.91000000* |
| **RelInt Mean** | 0.10019800 | 0.01686060 | 0.00550161 | --- | --- | --- | 0.32997900 |
| ***RelInt RSD*** | *4.49708577* | *0.75398859* | *4.34100200* | --- | --- | --- | *0.75600569* |
| ***RelInt SD*** | *0.00450599* | *0.00012713* | *0.00023883* | --- | --- | --- | *0.00249466* |
| **Conc Mean** | 0.96357200[mg/l] | 0.95802700[mg/l] | 0.93469400[mg/l] | 1274490 | 29378300 | 643329 | 1.02772000[mg/l] |
| ***Conc RSD*** | *4.49732869* | *0.74127765* | *4.38584178* | --- | --- | --- | *0.75715370* |
| ***Conc SD*** | *0.04333500[mg/l]* | *0.00710164[mg/l]* | *0.04099420[mg/l]* | *2855.00000000* | *325650* | *3830.18000000* | *0.00778142[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 238646 | 90699.3000000 | 567226 | 255901 | 398512 | 91102.8000000 | |
| ***Int RSD*** | *0.60205912* | *0.54519936* | *0.60810858* | *0.19804182* | *0.32115470* | *0.35281023* | |
| ***Int SD*** | *1436.79000000* | *494.49200000* | *3449.35000000* | *506.79100000* | *1279.84000000* | *321.42000000* | |
| **RelInt Mean** | 0.36355300 | 0.10851300 | 0.43821700 | 0.19695900 | 0.30608200 | 0.06701270 | |
| ***RelInt RSD*** | *0.24916257* | *1.54803572* | *0.81798287* | *0.31515087* | *0.49768363* | *0.54766634* | |
| ***RelInt SD*** | *0.00090584* | *0.00167982* | *0.00358454* | *0.00062072* | *0.00152332* | *0.00036701* | |
| **Conc Mean** | 0.93552900[mg/l] | 0.71862100[mg/l] | 5.78835000[mg/l] | 5.17324000[mg/l] | 0.96447900[mg/l] | 5.50530000[mg/l] | |
| ***Conc RSD*** | *0.24878331* | *1.55237601* | *0.81903824* | *0.31538649* | *0.49690662* | *0.54521279* | |
| ***Conc SD*** | *0.00232744[mg/l]* | *0.01115570[mg/l]* | *0.04740880[mg/l]* | *0.01631570[mg/l]* | *0.00479256[mg/l]* | *0.03001560[mg/l]* | |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419118 | File: | met06_master011 | Time: | 11-DEC-2023 17:44 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | [0.002002] | 0.003333 | --- | mg/l | !CCB |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31183600 | -1.59 |
| Yttrium | A | 1263590 | 1334130 | 5.58 |
| Yttrium | R | 683754 | 661062 | -3.32 |

*!=warning CCB=instrument blank*

Method Name: Met06_Master011923 Method Autor: Operator

| **Sample Name: ICB,1** | | | Sample Type: Control Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 17:44:32 | 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** | 48765.5000000 | 10762.7000000 | 3676.04000000 | 7743.28000000 | 8069.45000000 | 7745.74000000 | 7462.61000000 |
| ***Int RSD*** | *1.09529688* | *1.04860305* | *0.92408951* | *1.31182135* | *0.75647659* | *2.57358238* | *0.58539305* |
| ***Int SD*** | *534.12700000* | *112.85800000* | *33.96990000* | *101.57800000* | *61.04350000* | *199.34300000* | *43.68560000* |
| **RelInt Mean** | 0.00005210 | 0.00044604 | -0.00009018 | 0.00037209 | 0.00016375 | 0.00464226 | 0.00002931 |
| ***RelInt RSD*** | *6.90646529* | *35.90427678* | *23.80905387* | *16.88213193* | *17.00454357* | *5.67971204* | *92.62396877* |
| ***RelInt SD*** | *0.00000360* | *0.00016015* | *0.00002147* | *0.00006282* | *0.00002784* | *0.00026367* | *0.00002715* |
| **Conc Mean** | <0.00005094[mg/l] | <0.01700250[mg/l] | <-0.00069800[mg/l] | <-0.00090016[mg/l] | <0.00000666[mg/l] | <-0.00577691[mg/l] | <-0.00008310[mg/l] |
| ***Conc RSD*** | *303.26639578* | *80.06763711* | *151.06103760* | *69.91544865* | *1108.96324081* | *236.37723281* | *161.16094796* |
| ***Conc SD*** | *0.00015449[mg/l]* | *0.01361350[mg/l]* | *0.00105440[mg/l]* | *0.00062935[mg/l]* | *0.00007391[mg/l]* | *0.01365530[mg/l]* | *0.00013393[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** | 7142.57000000 | 49243.6000000 | 11756.4000000 | 6580.53000000 | 11999.5000000 | 9509.40000000 | 5270.48000000 |
| ***Int RSD*** | *0.80109260* | *0.68095346* | *3.12285223* | *1.94308057* | *0.10554190* | *0.26983301* | *3.79259574* |
| ***Int SD*** | *57.21860000* | *335.32600000* | *367.13500000* | *127.86500000* | *12.66450000* | *25.65950000* | *199.88800000* |
| **RelInt Mean** | 0.00003816 | 0.00020988 | 0.00185309 | 0.00114071 | 0.00060830 | 0.00045263 | 0.00056708 |
| ***RelInt RSD*** | *70.36853621* | *4.61641486* | *12.09860287* | *15.09454638* | *14.86461383* | *6.55006031* | *22.77388353* |
| ***RelInt SD*** | *0.00002686* | *0.00000969* | *0.00022420* | *0.00017219* | *0.00009042* | *0.00002965* | *0.00012915* |
| **Conc Mean** | <-0.00013253[mg/l] | <-0.00003584[mg/l] | 0.00461796[mg/l] | <-0.08348380[mg/l] | <-0.03476880[mg/l] | <-0.00004809[mg/l] | 0.00383418[mg/l] |
| ***Conc RSD*** | *114.79569892* | *891.31672201* | *15.19692678* | *66.69773058* | *66.46504912* | *37.02104033* | *24.62312672* |
| ***Conc SD*** | *0.00015213[mg/l]* | *0.00031944[mg/l]* | *0.00070179[mg/l]* | *0.05568180[mg/l]* | *0.02310910[mg/l]* | *0.00001780[mg/l]* | *0.00094410[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** | 25011.0000000 | 8230.88000000 | 7622.05000000 | 5144.75000000 | 3905.34000000 | 3969.67000000 | 10497.3000000 |
| ***Int RSD*** | *0.18730838* | *0.14443049* | *1.23267625* | *0.33698819* | *0.84222372* | *2.55217688* | *1.81183733* |
| ***Int SD*** | *46.84770000* | *11.88790000* | *93.95520000* | *17.33720000* | *32.89170000* | *101.31300000* | *190.19400000* |
| **RelInt Mean** | 0.00528645 | 0.00015905 | -0.00008000 | 0.00002391 | 0.00000914 | 0.00027608 | 0.00056026 |
| ***RelInt RSD*** | *4.18182334* | *4.08497114* | *72.15814909* | *7.17594258* | *226.19874267* | *20.85781038* | *39.04641383* |
| ***RelInt SD*** | *0.00022107* | *0.00000650* | *0.00005772* | *0.00000172* | *0.00002069* | *0.00005758* | *0.00021876* |
| **Conc Mean** | <-0.30741300[mg/l] | <-0.00009491[mg/l] | <0.00200156[mg/l] | <0.00141520[mg/l] | <-0.00079301[mg/l] | 0.00480893[mg/l] | <-0.00010979[mg/l] |
| ***Conc RSD*** | *3.97800353* | *49.87683250* | *92.34147365* | *5.38268089* | *154.34503265* | *22.23384412* | *195.01425410* |
| ***Conc SD*** | *0.01222890[mg/l]* | *0.00004734[mg/l]* | *0.00184827[mg/l]* | *0.00007618[mg/l]* | *0.00122397[mg/l]* | *0.00106921[mg/l]* | *0.00021411[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** | 67592.3000000 | 3581.15000000 | 13237.5000000 | 1334130 | 31183600 | 661062 | 5268.44000000 |
| ***Int RSD*** | *0.81902376* | *0.98411963* | *1.50201322* | *0.37587866* | *1.31845586* | *0.79989018* | *1.18318136* |
| ***Int SD*** | *553.59700000* | *35.24280000* | *198.82900000* | *5014.71000000* | *411142* | *5287.77000000* | *62.33520000* |
| **RelInt Mean** | 0.00054221 | -0.00005148 | 0.00006082 | --- | --- | --- | 0.00034597 |
| ***RelInt RSD*** | *3.89084692* | *22.28861249* | *2.80398801* | --- | --- | --- | *7.89582454* |
| ***RelInt SD*** | *0.00002110* | *0.00001147* | *0.00000171* | --- | --- | --- | *0.00002732* |
| **Conc Mean** | 0.00513770[mg/l] | <-0.00026993[mg/l] | <0.00106780[mg/l] | 1324920 | 31113400 | 650764 | <-0.00029403[mg/l] |
| ***Conc RSD*** | *3.94916013* | *242.49661943* | *27.45205095* | --- | --- | --- | *28.97238028* |
| ***Conc SD*** | *0.00020290[mg/l]* | *0.00065456[mg/l]* | *0.00029313[mg/l]* | *5005.88000000* | *410558* | *5239.52000000* | *0.00008519[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 4125.89000000 | 20759.5000000 | 9963.54000000 | 4715.15000000 | 7536.51000000 | 5057.70000000 | |
| ***Int RSD*** | *0.65273917* | *1.00264457* | *1.05638157* | *1.34191913* | *0.90289272* | *0.61095755* | |
| ***Int SD*** | *26.93130000* | *208.14400000* | *105.25300000* | *63.27350000* | *68.04660000* | *30.90040000* | |
| **RelInt Mean** | -0.00056764 | 0.00036571 | 0.00174336 | 0.00025665 | 0.00009788 | -0.00016749 | |
| ***RelInt RSD*** | *11.67020469* | *54.13219073* | *4.39716410* | *18.76403181* | *53.80434227* | *17.45004150* | |
| ***RelInt SD*** | *0.00006625* | *0.00019797* | *0.00007666* | *0.00004816* | *0.00005266* | *0.00002923* | |
| **Conc Mean** | <-0.00027228[mg/l] | <0.00041837[mg/l] | 0.00831198[mg/l] | <0.00042598[mg/l] | <-0.00014381[mg/l] | <0.01063300[mg/l] | |
| ***Conc RSD*** | *62.52850936* | *314.24876783* | *12.01414103* | *297.30104066* | *117.57850527* | *22.48133170* | |
| ***Conc SD*** | *0.00017025[mg/l]* | *0.00131471[mg/l]* | *0.00099861[mg/l]* | *0.00126644[mg/l]* | *0.00016909[mg/l]* | *0.00239044[mg/l]* | |

ENTHALPY CONTINUING CALIBRATION FOR 497480 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419129 | File: | met06_master011 | Time: | 11-DEC-2023 18:20 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19393, S14463 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0228 | 0.0323 | 1.000 | 1.041 | mg/l | 4 | 10 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 30520300 | -3.68 |
| Yttrium | A | 1263590 | 1307850 | 3.50 |
| Yttrium | R | 683754 | 672284 | -1.68 |

Method Name: Met06_Master011923 Method Autor: Operator

| Sample Name: CCV,S19393 | | | Sample Type: Control Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:20:12 | Recalculation Date: | State: Check failed | Quality: Failed |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 386167 | 21604.8000000 | 29821.8000000 | 132086 | 480773 | 671409 | 273102 |
| ***Int RSD*** | *3.63324676* | *0.49695438* | *0.64813324* | *0.63902912* | *0.56392518* | *0.88537985* | *0.79947785* |
| ***Int SD*** | *14030.4000000* | *107.36600000* | *193.28500000* | *844.06800000* | *2711.20000000* | *5944.52000000* | *2183.39000000* |
| **RelInt Mean** | 0.01111720 | 0.01282620 | 0.01985200 | 0.09590320 | 0.36393800 | 1.00607000 | 0.20422800 |
| ***RelInt RSD*** | *5.65708092* | *1.30185090* | *0.72845053* | *0.30302743* | *0.24806533* | *0.12446848* | *0.38404039* |
| ***RelInt SD*** | *0.00062891* | *0.00016698* | *0.00014461* | *0.00029061* | *0.00090280* | *0.00125224* | *0.00078432* |
| **Conc Mean** | 0.47518000[mg/l] | 1.06940000[mg/l] | 0.97761900[mg/l] | 0.95620800[mg/l] | 0.99058800[mg/l] | 51.85800000[mg/l] | 1.00347000[mg/l] |
| ***Conc RSD*** | *5.68315165* | *1.32710866* | *0.72648854* | *0.30451743* | *0.24805974* | *0.12515003* | *0.37779405* |
| ***Conc SD*** | *0.02700520[mg/l]* | *0.01419210[mg/l]* | *0.00710229[mg/l]* | *0.00291182[mg/l]* | *0.00245725[mg/l]* | *0.06490030[mg/l]* | *0.00379105[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** | 230390 | 910289 | 435853 | 83082.7000000 | 139332 | 2152130 | 176767 |
| ***Int RSD*** | *0.70392812* | *3.80669216* | *0.78228898* | *0.85911026* | *0.96547814* | *0.78943651* | *1.41474936* |
| ***Int SD*** | *1621.78000000* | *34651.9000000* | *3409.63000000* | *713.77200000* | *1345.22000000* | *16989.7000000* | *2500.81000000* |
| **RelInt Mean** | 0.17150900 | 0.02844470 | 0.32819600 | 0.11629800 | 0.19242700 | 1.65008000 | 0.13244300 |
| ***RelInt RSD*** | *0.26438438* | *5.45936501* | *0.33138125* | *1.85578428* | *0.45665265* | *0.08664125* | *1.04852654* |
| ***RelInt SD*** | *0.00045344* | *0.00155290* | *0.00108758* | *0.00215824* | *0.00087872* | *0.00142965* | *0.00138870* |
| **Conc Mean** | 0.97121800[mg/l] | 0.93086300[mg/l] | 1.02613000[mg/l] | 37.15650000[mg/l] | 48.98840000[mg/l] | 0.99051600[mg/l] | 0.96790000[mg/l] |
| ***Conc RSD*** | *0.26454926* | *5.50015416* | *0.33190434* | *1.87833084* | *0.45843098* | *0.08651784* | *1.04906499* |
| ***Conc SD*** | *0.00256935[mg/l]* | *0.05119890[mg/l]* | *0.00340577[mg/l]* | *0.69792200[mg/l]* | *0.22457800[mg/l]* | *0.00085697[mg/l]* | *0.01015390[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** | 584061 | 184604 | 49995.9000000 | 34255.6000000 | 26316.1000000 | 339532 | 738177 |
| ***Int RSD*** | *0.56751606* | *0.62155750* | *0.02850294* | *0.69745093* | *0.31702152* | *0.59435046* | *0.97264477* |
| ***Int SD*** | *3314.64000000* | *1147.42000000* | *14.25030000* | *238.91600000* | *83.42770000* | *2018.01000000* | *7179.84000000* |
| **RelInt Mean** | 0.84801700 | 0.13560700 | 0.03234470 | 0.02226670 | 0.01715390 | 0.25850600 | 1.09922000 |
| ***RelInt RSD*** | *0.42301275* | *0.36810342* | *0.87642179* | *1.57857698* | *0.63111596* | *0.36032046* | *0.03722512* |
| ***RelInt SD*** | *0.00358722* | *0.00049917* | *0.00028348* | *0.00035150* | *0.00010826* | *0.00093145* | *0.00040919* |
| **Conc Mean** | 46.30880000[mg/l] | 0.98674400[mg/l] | 1.04103000[mg/l] | 0.97416400[mg/l] | 1.01368000[mg/l] | 4.79964000[mg/l] | 1.07519000[mg/l] |
| ***Conc RSD*** | *0.42859888* | *0.36855760* | *0.87295563* | *1.58677594* | *0.63165003* | *0.36017076* | *0.03716004* |
| ***Conc SD*** | *0.19847900[mg/l]* | *0.00363672[mg/l]* | *0.00908773[mg/l]* | *0.01545780[mg/l]* | *0.00640291[mg/l]* | *0.01728690[mg/l]* | *0.00039954[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** | 3073230 | 25872.3000000 | 176819 | 1307850 | 30520300 | 672284 | 431696 |
| ***Int RSD*** | *3.84813372* | *0.36780959* | *3.45602000* | *0.76644111* | *1.52413639* | *0.97192407* | *0.53702142* |
| ***Int SD*** | *118262* | *95.16080000* | *6110.90000000* | *10023.9000000* | *465171* | *6534.09000000* | *2318.30000000* |
| **RelInt Mean** | 0.09917470 | 0.01686630 | 0.00542021 | --- | --- | --- | 0.32848600 |
| ***RelInt RSD*** | *5.26763378* | *0.44547945* | *5.14736514* | --- | --- | --- | *0.25130934* |
| ***RelInt SD*** | *0.00522416* | *0.00007514* | *0.00027900* | --- | --- | --- | *0.00082552* |
| **Conc Mean** | 0.95373400[mg/l] | 0.95837600[mg/l] | 0.92071900[mg/l] | 1298460 | 30449400 | 662177 | 1.02307000[mg/l] |
| ***Conc RSD*** | *5.26785246* | *0.44970763* | *5.20154358* | --- | --- | --- | *0.25151163* |
| ***Conc SD*** | *0.05024130[mg/l]* | *0.00430989[mg/l]* | *0.04789160[mg/l]* | *10011.6000000* | *464680* | *6514.63000000* | *0.00257314[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 246075 | 92365.2000000 | 583565 | 260805 | 407657 | 92806.6000000 | |
| ***Int RSD*** | *1.13354059* | *0.47475781* | *0.83992186* | *0.84678975* | *0.70749184* | *0.33076742* | |
| ***Int SD*** | *2789.36000000* | *438.51100000* | *4901.49000000* | *2208.47000000* | *2884.14000000* | *306.97400000* | |
| **RelInt Mean** | 0.36441000 | 0.10823500 | 0.44286700 | 0.19710900 | 0.30766300 | 0.06712480 | |
| ***RelInt RSD*** | *0.18571966* | *1.48427958* | *0.37707483* | *0.23083827* | *0.31202517* | *1.11790128* | |
| ***RelInt SD*** | *0.00067678* | *0.00160651* | *0.00166994* | *0.00045500* | *0.00095999* | *0.00075039* | |
| **Conc Mean** | 0.93773200[mg/l] | 0.71677400[mg/l] | 5.85011000[mg/l] | 5.17719000[mg/l] | 0.96949600[mg/l] | 5.51446000[mg/l] | |
| ***Conc RSD*** | *0.18549436* | *1.48844685* | *0.37560319* | *0.23091870* | *0.31482544* | *1.11292493* | |
| ***Conc SD*** | *0.00173944[mg/l]* | *0.01066880[mg/l]* | *0.02197320[mg/l]* | *0.01195510[mg/l]* | *0.00305222[mg/l]* | *0.06137180[mg/l]* | |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419130 | File: | met06_master011 | Time: | 11-DEC-2023 18:23 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | ND | 0.003333 | --- | mg/l | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31903200 | 0.68 |
| Yttrium | A | 1263590 | 1358540 | 7.51 |
| Yttrium | R | 683754 | 681228 | -0.37 |

Method Name: Met06_Master011923 Method Autor: Operator

| **Sample Name: CCB,1** | | | Sample Type: Control Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 18:23:26 | 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** | 47177.4000000 | 10694.6000000 | 3620.37000000 | 7517.64000000 | 7858.81000000 | 7730.18000000 | 7241.76000000 |
| ***Int RSD*** | *1.20271571* | *1.43859518* | *1.49187238* | *1.20791764* | *0.43247006* | *4.12082254* | *0.35075037* |
| ***Int SD*** | *567.41000000* | *153.85200000* | *54.01130000* | *90.80690000* | *33.98700000* | *318.54700000* | *25.40050000* |
| **RelInt Mean** | 0.00004891 | 0.00053755 | -0.00005919 | 0.00039223 | 0.00019410 | 0.00462088 | 0.00005183 |
| ***RelInt RSD*** | *7.14276076* | *25.74895080* | *69.17733003* | *14.09928894* | *12.46197836* | *5.57828812* | *25.78832001* |
| ***RelInt SD*** | *0.00000349* | *0.00013841* | *0.00004095* | *0.00005530* | *0.00002419* | *0.00025777* | *0.00001336* |
| **Conc Mean** | <-0.00008565[mg/l] | <0.02478200[mg/l] | <0.00082377[mg/l] | <-0.00069843[mg/l] | <0.00008739[mg/l] | <-0.00688451[mg/l] | <0.00002893[mg/l] |
| ***Conc RSD*** | *175.15513447* | *47.47841175* | *244.05959945* | *79.32823715* | *79.29694473* | *193.90777267* | *227.45287161* |
| ***Conc SD*** | *0.00015002[mg/l]* | *0.01176610[mg/l]* | *0.00201048[mg/l]* | *0.00055405[mg/l]* | *0.00006930[mg/l]* | *0.01334960[mg/l]* | *0.00006579[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** | 6919.31000000 | 47559.1000000 | 12787.2000000 | 6422.07000000 | 11891.3000000 | 9260.13000000 | 5257.45000000 |
| ***Int RSD*** | *0.20232364* | *1.30529804* | *4.02266329* | *3.96333269* | *2.93156341* | *0.81066141* | *3.75235143* |
| ***Int SD*** | *13.99940000* | *620.78800000* | *514.38600000* | *254.52800000* | *348.60100000* | *75.06830000* | *197.27800000* |
| **RelInt Mean** | 0.00005360 | 0.00019595 | 0.00280853 | 0.00098576 | 0.00067018 | 0.00048087 | 0.00064995 |
| ***RelInt RSD*** | *23.20418489* | *3.94016422* | *12.88691949* | *12.78814150* | *16.81346868* | *5.68638705* | *21.23453333* |
| ***RelInt SD*** | *0.00001244* | *0.00000772* | *0.00036193* | *0.00012606* | *0.00011268* | *0.00002734* | *0.00013801* |
| **Conc Mean** | <-0.00004507[mg/l] | <-0.00049511[mg/l] | 0.00760866[mg/l] | <-0.13359500[mg/l] | <-0.01895420[mg/l] | <-0.00003113[mg/l] | 0.00444000[mg/l] |
| ***Conc RSD*** | *156.32533796* | *51.41371197* | *14.88974405* | *30.51394139* | *151.93308079* | *52.74222976* | *22.72364865* |
| ***Conc SD*** | *0.00007046[mg/l]* | *0.00025456[mg/l]* | *0.00113291[mg/l]* | *0.04076510[mg/l]* | *0.02879770[mg/l]* | *0.00001642[mg/l]* | *0.00100893[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** | 24770.8000000 | 7950.47000000 | 7349.75000000 | 4966.59000000 | 3774.05000000 | 3875.41000000 | 10274.9000000 |
| ***Int RSD*** | *1.56384533* | *0.24961669* | *0.73181537* | *0.89768433* | *1.19055126* | *1.46960709* | *3.59226854* |
| ***Int SD*** | *387.37700000* | *19.84570000* | *53.78660000* | *44.58430000* | *44.93200000* | *56.95330000* | *369.10200000* |
| **RelInt Mean** | 0.00507815 | 0.00015217 | -0.00011921 | 0.00000005 | 0.00000641 | 0.00025470 | 0.00029351 |
| ***RelInt RSD*** | *2.41688410* | *29.97607907* | *13.88832964* | *53799.3593767* | *389.70157987* | *16.00727136* | *40.51166388* |
| ***RelInt SD*** | *0.00012273* | *0.00004561* | *0.00001656* | *0.00002649* | *0.00002498* | *0.00004077* | *0.00011891* |
| **Conc Mean** | <-0.31893500[mg/l] | <-0.00014508[mg/l] | <0.00074272[mg/l] | <0.00036516[mg/l] | <-0.00095490[mg/l] | 0.00441201[mg/l] | <-0.00037087[mg/l] |
| ***Conc RSD*** | *2.12857479* | *229.06336373* | *71.48975588* | *318.99901687* | *154.75812727* | *17.15821134* | *31.37965994* |
| ***Conc SD*** | *0.00678877[mg/l]* | *0.00033233[mg/l]* | *0.00053097[mg/l]* | *0.00116486[mg/l]* | *0.00147779[mg/l]* | *0.00075702[mg/l]* | *0.00011638[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** | 63926.0000000 | 3507.14000000 | 12817.5000000 | 1358540 | 31903200 | 681228 | 5535.61000000 |
| ***Int RSD*** | *0.47139661* | *1.05744282* | *2.05813146* | *0.39751940* | *1.45086073* | *0.60924977* | *0.92005217* |
| ***Int SD*** | *301.34500000* | *37.08600000* | *263.80100000* | *5400.46000000* | *462871* | *4150.38000000* | *50.93050000* |
| **RelInt Mean** | 0.00046973 | -0.00005230 | 0.00005979 | --- | --- | --- | 0.00063913 |
| ***RelInt RSD*** | *2.30562403* | *45.78996782* | *3.69216591* | --- | --- | --- | *4.34243693* |
| ***RelInt SD*** | *0.00001083* | *0.00002395* | *0.00000221* | --- | --- | --- | *0.00002775* |
| **Conc Mean** | 0.00444065[mg/l] | <-0.00031635[mg/l] | <0.00088990[mg/l] | 1349570 | 31834600 | 671094 | 0.00062061[mg/l] |
| ***Conc RSD*** | *2.34542240* | *430.57421486* | *42.55630683* | --- | --- | --- | *13.95506972* |
| ***Conc SD*** | *0.00010415[mg/l]* | *0.00136210[mg/l]* | *0.00037871[mg/l]* | *5421.11000000* | *462372* | *4381.49000000* | *0.00008661[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 4106.30000000 | 20672.3000000 | 9197.47000000 | 4616.73000000 | 7343.08000000 | 5020.38000000 | |
| ***Int RSD*** | *3.64569077* | *1.47662814* | *1.27835155* | *2.77735540* | *0.85727923* | *0.27639143* | |
| ***Int SD*** | *149.70300000* | *305.25300000* | *117.57600000* | *128.22300000* | *62.95070000* | *13.87590000* | |
| **RelInt Mean** | -0.00044038 | 0.00038570 | 0.00138186 | 0.00023423 | 0.00013438 | -0.00014678 | |
| ***RelInt RSD*** | *11.47417469* | *41.99500652* | *3.51474100* | *34.23383000* | *39.04870698* | *23.62703620* | |
| ***RelInt SD*** | *0.00005053* | *0.00016198* | *0.00004857* | *0.00008019* | *0.00005247* | *0.00003468* | |
| **Conc Mean** | <0.00005479[mg/l] | <0.00055112[mg/l] | 0.00349319[mg/l] | <-0.00016361[mg/l] | <-0.00003386[mg/l] | 0.01232670[mg/l] | |
| ***Conc RSD*** | *237.03553626* | *195.18213951* | *17.99933585* | *1288.88128259* | *478.49305156* | *23.01053810* | |
| ***Conc SD*** | *0.00012986[mg/l]* | *0.00107568[mg/l]* | *0.00062875[mg/l]* | *0.00210870[mg/l]* | *0.00016200[mg/l]* | *0.00283644[mg/l]* | |

ENTHALPY CONTINUING CALIBRATION FOR 497480 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419141 | File: | met06_master011 | Time: | 11-DEC-2023 18:59 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

Standards: S19393, S14463 (100X)

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0228 | 0.0321 | 1.000 | 1.035 | mg/l | 3 | 10 | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 30351300 | -4.22 |
| Yttrium | A | 1263590 | 1291570 | 2.21 |
| Yttrium | R | 683754 | 664714 | -2.78 |

Method Name: Met06_Master011923 Method Autor: Operator

**Sample Name: CCV,S19393** | Sample Type: Control Sample

Measure Date: 2023-12-11 18:59:06 | 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** | 385956 | 21495.0000000 | 29690.3000000 | 131902 | 476497 | 664101 | 271099 |
| ***Int RSD*** | *3.42956192* | *1.09372877* | *0.21908502* | *0.41249033* | *0.50592554* | *0.84792223* | *0.45346165* |
| ***Int SD*** | *13236.6000000* | *235.09700000* | *65.04700000* | *544.08300000* | *2410.72000000* | *5631.06000000* | *1229.33000000* |
| **RelInt Mean** | 0.01116790 | 0.01274770 | 0.01999270 | 0.09697140 | 0.36517900 | 1.00654000 | 0.20527500 |
| ***RelInt RSD*** | *4.57470070* | *2.22451109* | *0.62913463* | *0.89553621* | *0.98347386* | *0.50117631* | *0.95286810* |
| ***RelInt SD*** | *0.00051090* | *0.00028357* | *0.00012578* | *0.00086841* | *0.00359144* | *0.00504454* | *0.00195600* |
| **Conc Mean** | 0.47735800[mg/l] | 1.06273000[mg/l] | 0.98452000[mg/l] | 0.96691000[mg/l] | 0.99397000[mg/l] | 51.88220000[mg/l] | 1.00861000[mg/l] |
| ***Conc RSD*** | *4.59569128* | *2.26821488* | *0.62654898* | *0.89984073* | *0.98284757* | *0.50342892* | *0.95247023* |
| ***Conc SD*** | *0.02193790[mg/l]* | *0.02410500[mg/l]* | *0.00616850[mg/l]* | *0.00870065[mg/l]* | *0.00976921[mg/l]* | *0.26119000[mg/l]* | *0.00960671[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** | 229619 | 910075 | 427602 | 86679.6000000 | 138431 | 2125850 | 175077 |
| ***Int RSD*** | *0.46865024* | *3.71920996* | *0.63073372* | *1.18537695* | *0.93866258* | *0.59223840* | *0.92016084* |
| ***Int SD*** | *1076.11000000* | *33847.6000000* | *2697.03000000* | *1027.48000000* | *1299.40000000* | *12590.1000000* | *1610.99000000* |
| **RelInt Mean** | 0.17310700 | 0.02857950 | 0.32591000 | 0.12312700 | 0.19335500 | 1.65050000 | 0.13280300 |
| ***RelInt RSD*** | *0.92189802* | *4.45424168* | *1.09480225* | *1.59012239* | *0.38469809* | *0.27271978* | *1.41561561* |
| ***RelInt SD*** | *0.00159587* | *0.00127300* | *0.00356807* | *0.00195787* | *0.00074383* | *0.00450124* | *0.00187998* |
| **Conc Mean** | 0.98026900[mg/l] | 0.93530700[mg/l] | 1.01898000[mg/l] | 39.36500000[mg/l] | 49.22570000[mg/l] | 0.99076900[mg/l] | 0.97052800[mg/l] |
| ***Conc RSD*** | *0.92213872* | *4.48736083* | *1.09625312* | *1.60845675* | *0.38626571* | *0.27287390* | *1.41605394* |
| ***Conc SD*** | *0.00903944[mg/l]* | *0.04197060[mg/l]* | *0.01117060[mg/l]* | *0.63316900[mg/l]* | *0.19014200[mg/l]* | *0.00270355[mg/l]* | *0.01374320[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** | 582099 | 182553 | 49258.0000000 | 34080.9000000 | 26148.3000000 | 337235 | 728873 |
| ***Int RSD*** | *1.13646991* | *0.34279031* | *0.71699013* | *0.61532999* | *0.26848323* | *0.52600709* | *1.12447299* |
| ***Int SD*** | *6615.38000000* | *625.77400000* | *353.17500000* | *209.71000000* | *70.20380000* | *1773.88000000* | *8195.98000000* |
| **RelInt Mean** | 0.85473500 | 0.13574700 | 0.03214830 | 0.02239580 | 0.01722380 | 0.26000100 | 1.09774000 |
| ***RelInt RSD*** | *0.71523104* | *0.77763044* | *0.96397943* | *1.19145554* | *0.30629129* | *0.99905385* | *0.16949095* |
| ***RelInt SD*** | *0.00611333* | *0.00105561* | *0.00030990* | *0.00026684* | *0.00005275* | *0.00259755* | *0.00186057* |
| **Conc Mean** | 46.68040000[mg/l] | 0.98776700[mg/l] | 1.03474000[mg/l] | 0.97979000[mg/l] | 1.01781000[mg/l] | 4.82741000[mg/l] | 1.07374000[mg/l] |
| ***Conc RSD*** | *0.72443252* | *0.77881018* | *0.95974158* | *1.19266373* | *0.30695316* | *0.99905747* | *0.16954291* |
| ***Conc SD*** | *0.33816800[mg/l]* | *0.00769283[mg/l]* | *0.00993083[mg/l]* | *0.01168560[mg/l]* | *0.00312420[mg/l]* | *0.04822860[mg/l]* | *0.00182045[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** | 3060620 | 25836.2000000 | 177034 | 1291570 | 30351300 | 664714 | 428986 |
| ***Int RSD*** | *3.30423248* | *0.13724271* | *3.62320232* | *0.46249448* | *0.61823382* | *1.24038459* | *0.48815579* |
| ***Int SD*** | *101130* | *35.45830000* | *6414.30000000* | *5973.44000000* | *187642* | *8245.01000000* | *2094.12000000* |
| **RelInt Mean** | 0.09926710 | 0.01705600 | 0.00545482 | --- | --- | --- | 0.33055800 |
| ***RelInt RSD*** | *3.88290783* | *0.63194184* | *4.42322570* | --- | --- | --- | *0.95755057* |
| ***RelInt SD*** | *0.00385445* | *0.00010778* | *0.00024128* | --- | --- | --- | *0.00316526* |
| **Conc Mean** | 0.95462400[mg/l] | 0.96916900[mg/l] | 0.92665900[mg/l] | 1282150 | 30280300 | 654595 | 1.02953000[mg/l] |
| ***Conc RSD*** | *3.88326713* | *0.62379833* | *4.46941108* | --- | --- | --- | *0.95893563* |
| ***Conc SD*** | *0.03707060[mg/l]* | *0.00604566[mg/l]* | *0.04141620[mg/l]* | *5953.50000000* | *187393* | *8137.53000000* | *0.00987253[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 243536 | 93356.1000000 | 580190 | 259183 | 404882 | 91084.4000000 | |
| ***Int RSD*** | *1.56766967* | *0.74111172* | *0.38636481* | *0.31022752* | *0.57783749* | *0.69136647* | |
| ***Int SD*** | *3817.84000000* | *691.87300000* | *2241.65000000* | *804.05700000* | *2339.56000000* | *629.72700000* | |
| **RelInt Mean** | 0.36489800 | 0.11101500 | 0.44587100 | 0.19836400 | 0.30942500 | 0.06664340 | |
| ***RelInt RSD*** | *0.33507446* | *1.57600324* | *0.86473218* | *0.75169386* | *0.99504565* | *1.06149746* | |
| ***RelInt SD*** | *0.00122268* | *0.00174960* | *0.00385559* | *0.00149109* | *0.00307892* | *0.00070742* | |
| **Conc Mean** | 0.93898700[mg/l] | 0.73523900[mg/l] | 5.88999000[mg/l] | 5.21019000[mg/l] | 0.97504600[mg/l] | 5.47509000[mg/l] | |
| ***Conc RSD*** | *0.33466598* | *1.58038407* | *0.86510673* | *0.75255605* | *0.99689553* | *1.05668583* | |
| ***Conc SD*** | *0.00314247[mg/l]* | *0.01161960[mg/l]* | *0.05095470[mg/l]* | *0.03920960[mg/l]* | *0.00972019[mg/l]* | *0.05785450[mg/l]* | |

ENTHALPY INSTRUMENT BLANK FOR 497480 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET06 | | | IDF: | 1.0 |
| Seqnum: | 483497419142 | File: | met06_master011 | Time: | 11-DEC-2023 19:02 |
| Cal: | 483497419001 | Caldate: | 11-DEC-2023 | | |

| Analyte | Ch | Quant | IQL | LOD | Units | Flags |
|---|---|---|---|---|---|---|
| Lead | A | ND | 0.003333 | --- | mg/l | |

| ISTD (ICALBLK 003 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | H | 31687500 | 31407800 | -0.88 |
| Yttrium | A | 1263590 | 1322790 | 4.69 |
| Yttrium | R | 683754 | 670306 | -1.97 |

Method Name: Met06_Master011923 Method Autor: Operator

| **Sample Name: CCB,1** | | | Sample Type: Control Sample |
|---|---|---|---|
| Measure Date: 2023-12-11 19:02:20 | Recalculation Date: | State: Checked | Quality: |

| | Ag 328.068 | Al_R 396.152 | As 189.042 | B 249.677 | Ba 230.424 | Ca_R 317.933 | Co 228.616 |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 47692.9000000 | 10743.8000000 | 3694.06000000 | 7784.93000000 | 7987.74000000 | 7718.23000000 | 7337.94000000 |
| ***Int RSD*** | *0.37203861* | *1.71925203* | *0.33742549* | *0.90400684* | *0.24704485* | *1.20457799* | *0.37798619* |
| ***Int SD*** | *177.43600000* | *184.71300000* | *12.46470000* | *70.37630000* | *19.73330000* | *92.97210000* | *27.73640000* |
| **RelInt Mean** | 0.00004462 | 0.00047363 | -0.00005928 | 0.00047343 | 0.00017796 | 0.00449832 | 0.00000879 |
| ***RelInt RSD*** | *25.21483421* | *50.28387317* | *19.00090922* | *14.41813504* | *21.22221910* | *1.72564869* | *550.90233081* |
| ***RelInt SD*** | *0.00001125* | *0.00023816* | *0.00001126* | *0.00006826* | *0.00003777* | *0.00007763* | *0.00004844* |
| **Conc Mean** | <-0.00027022[mg/l] | <0.01934800[mg/l] | <0.00081919[mg/l] | <0.00011506[mg/l] | <0.00004159[mg/l] | <-0.01323210[mg/l] | <-0.00018511[mg/l] |
| ***Conc RSD*** | *178.76949836* | *104.63562125* | *67.49548947* | *594.36294107* | *237.60240654* | *30.38225225* | *128.87333074* |
| ***Conc SD*** | *0.00048306[mg/l]* | *0.02024490[mg/l]* | *0.00055292[mg/l]* | *0.00068387[mg/l]* | *0.00009881[mg/l]* | *0.00402021[mg/l]* | *0.00023856[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** | 7069.59000000 | 48098.4000000 | 11813.3000000 | 6525.10000000 | 11925.8000000 | 9423.47000000 | 5418.45000000 |
| ***Int RSD*** | *0.84581850* | *0.25473405* | *2.60766255* | *1.53416806* | *2.29883111* | *0.42633022* | *3.61339497* |
| ***Int SD*** | *59.79590000* | *122.52300000* | *308.05100000* | *100.10600000* | *274.15400000* | *40.17510000* | *195.79000000* |
| **RelInt Mean** | 0.00006796 | 0.00020449 | 0.00199566 | 0.00108824 | 0.00053989 | 0.00048204 | 0.00071275 |
| ***RelInt RSD*** | *60.84053868* | *3.94670566* | *12.84482327* | *5.55186356* | *84.78613196* | *5.30237431* | *23.21407276* |
| ***RelInt SD*** | *0.00004135* | *0.00000807* | *0.00025634* | *0.00006042* | *0.00045775* | *0.00002556* | *0.00016546* |
| **Conc Mean** | <0.00003625[mg/l] | <-0.00021374[mg/l] | 0.00506424[mg/l] | <-0.10045200[mg/l] | <-0.05225180[mg/l] | <-0.00003043[mg/l] | 0.00489914[mg/l] |
| ***Conc RSD*** | *646.05463136* | *124.49365342* | *15.84405557* | *19.44958786* | *223.89276542* | *50.42961678* | *24.68943529* |
| ***Conc SD*** | *0.00023422[mg/l]* | *0.00026609[mg/l]* | *0.00080238[mg/l]* | *0.01953750[mg/l]* | *0.11698800[mg/l]* | *0.00001535[mg/l]* | *0.00120957[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** | 25235.8000000 | 8112.06000000 | 7482.99000000 | 5070.18000000 | 3830.98000000 | 3925.47000000 | 10560.7000000 |
| ***Int RSD*** | *0.63527608* | *0.36908011* | *0.86801933* | *0.72718917* | *0.42766342* | *1.57154175* | *1.94597896* |
| ***Int SD*** | *160.31700000* | *29.94000000* | *64.95380000* | *36.86980000* | *16.38370000* | *61.69040000* | *205.50900000* |
| **RelInt Mean** | 0.00549316 | 0.00015991 | -0.00012154 | -0.00000123 | -0.00001324 | 0.00027126 | 0.00049242 |
| ***RelInt RSD*** | *2.03611400* | *5.60096680* | *27.91785623* | *838.02110107* | *120.98149225* | *18.52044371* | *60.20998335* |
| ***RelInt SD*** | *0.00011185* | *0.00000896* | *0.00003393* | *0.00001027* | *0.00001602* | *0.00005024* | *0.00029649* |
| **Conc Mean** | <-0.29597800[mg/l] | <-0.00008868[mg/l] | <0.00066927[mg/l] | <0.00030861[mg/l] | <-0.00211772[mg/l] | 0.00471948[mg/l] | <-0.00017620[mg/l] |
| ***Conc RSD*** | *2.09031752* | *73.58299082* | *163.18800605* | *146.27339155* | *44.76583307* | *19.76552502* | *164.69423082* |
| ***Conc SD*** | *0.00618688[mg/l]* | *0.00006525[mg/l]* | *0.00109217[mg/l]* | *0.00045141[mg/l]* | *0.00094801[mg/l]* | *0.00093283[mg/l]* | *0.00029018[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** | 68440.8000000 | 3576.35000000 | 12972.1000000 | 1322790 | 31407800 | 670306 | 5773.87000000 |
| ***Int RSD*** | *0.38112354* | *0.14497798* | *0.73091404* | *0.41274201* | *0.72784786* | *1.64942578* | *0.19295897* |
| ***Int SD*** | *260.84400000* | *5.18492000* | *94.81490000* | *5459.71000000* | *228601* | *11056.2000000* | *11.14120000* |
| **RelInt Mean** | 0.00060331 | -0.00005277 | 0.00006013 | --- | --- | --- | 0.00077942 |
| ***RelInt RSD*** | *1.41343451* | *41.79176884* | *3.37967482* | --- | --- | --- | *2.01946072* |
| ***RelInt SD*** | *0.00000853* | *0.00002205* | *0.00000203* | --- | --- | --- | *0.00001574* |
| **Conc Mean** | 0.00572533[mg/l] | <-0.00034773[mg/l] | <0.00094910[mg/l] | 1313660 | 31338300 | 660039 | 0.00105830[mg/l] |
| ***Conc RSD*** | *1.43252179* | *360.50223452* | *36.80553873* | --- | --- | --- | *4.64942833* |
| ***Conc SD*** | *0.00008202[mg/l]* | *0.00125356[mg/l]* | *0.00034932[mg/l]* | *5474.82000000* | *228414* | *10932.9000000* | *0.00004920[mg/l]* |

| | Be_R 313.107 | Li_R 670.780 | Si 251.612 | P 177.495 | Cd 228.802 | S 182.034 | |
|---|---|---|---|---|---|---|---|
| **Int Mean** | 4103.55000000 | 20910.3000000 | 9352.01000000 | 4768.73000000 | 7429.47000000 | 4997.54000000 | |
| ***Int RSD*** | *2.98329495* | *0.93598370* | *0.47792186* | *0.98287175* | *0.59398450* | *0.69487788* | |
| ***Int SD*** | *122.42100000* | *195.71700000* | *44.69530000* | *46.87050000* | *44.12990000* | *34.72680000* | |
| **RelInt Mean** | -0.00056089 | 0.00044033 | 0.00136148 | 0.00031038 | 0.00009396 | -0.00018970 | |
| ***RelInt RSD*** | *26.88119324* | *39.76998912* | *4.54176338* | *3.98913583* | *72.01660325* | *13.34547544* | |
| ***RelInt SD*** | *0.00015077* | *0.00017512* | *0.00006184* | *0.00001238* | *0.00006766* | *0.00002532* | |
| **Conc Mean** | <-0.00025493[mg/l] | <0.00091387[mg/l] | 0.00321202[mg/l] | <0.00183891[mg/l] | <-0.00016173[mg/l] | <0.00881649[mg/l] | |
| ***Conc RSD*** | *151.99935669* | *127.25579624* | *24.74828924* | *17.70608676* | *131.32895152* | *23.48508307* | |
| ***Conc SD*** | *0.00038750[mg/l]* | *0.00116295[mg/l]* | *0.00079492[mg/l]* | *0.00032560[mg/l]* | *0.00021240[mg/l]* | *0.00207056[mg/l]* | |

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

enthalpy.com

| | |
|---|---|
| Lab Job Number: | 497531 |
| Report Level: | II |
| Report Date: | 12/12/2023 |

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*



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

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

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

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 497531 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 12/08/23 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C12E-MED-L3-DN-C12.6-VS-231208-L-LA | 497531-001 | 12/08/23 09:20 | Wipe |
| AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-L-LA | 497531-002 | 12/08/23 09:05 | Wipe |
| AFRAME-C12E-MED-L2-HS-1-231208-L-G | 497531-003 | 12/08/23 09:00 | Wipe |
| AFRAME-C13E-MED-L2-HS-1-231208-L-G | 497531-004 | 12/08/23 09:15 | Wipe |
| AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-L-I | 497531-005 | 12/08/23 09:30 | Wipe |
| AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 497531-006 | 12/08/23 09:45 | Wipe |
| AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-L-I | 497531-007 | 12/08/23 09:50 | Wipe |
| AFRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 497531-008 | 12/08/23 09:55 | Wipe |
| AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-L-I | 497531-009 | 12/08/23 09:35 | Wipe |
| AFRAME-C12E-MED-L2-EXT-0 TO 1-231208-L-WF | 497531-010 | 12/08/23 07:10 | Wipe |
| AFRAME-C12E-MED-L2-DN-C12.2-VS-231208-L-LA | 497531-011 | 12/08/23 07:40 | Wipe |
| AFRAME-C12E-MED-L2-INT-0 TO 0.5-231208-L-FB | 497531-012 | 12/08/23 07:50 | Wipe |
| AFRAME-C13E-MED-L2-INT-0 TO 0.5-231208-L-FB | 497531-013 | 12/08/23 08:00 | Wipe |

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 497531 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 12/08/23 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-L-SS | 497531-014 | 12/08/23 08:10 | Wipe |
| AFRAME-C12E-LAT-L1-HS-3-231208-L-A | 497531-015 | 12/08/23 08:40 | Wipe |
| AFRAME-C12E-LAT-L1-HS-3-231208-L-DUP-A | 497531-016 | 12/08/23 08:40 | Wipe |
| AFRAME-C12E-MED-L1-HS-3-231208-L-A | 497531-017 | 12/08/23 08:35 | Wipe |
| AFRAME-C12E-MED-L1-HS-3-231208-L-DUP-A | 497531-018 | 12/08/23 08:35 | Wipe |
| AFRAME-C12E-MED-L1-UP-C12.6-DG-231208-L-SS | 497531-019 | 12/08/23 09:00 | Wipe |
| AFRAME-C13E-LAT-L1-HS-3-231208-L-A | 497531-020 | 12/08/23 09:05 | Wipe |
| AFRAME-C12E-MED-L1-HS-3-231208-L-G | 497531-021 | 12/08/23 08:50 | Wipe |
| AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-L-SS | 497531-022 | 12/08/23 08:25 | Wipe |
| AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-L-LA | 497531-023 | 12/08/23 09:55 | Wipe |
| AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-L-WF | 497531-024 | 12/08/23 10:00 | Wipe |
| AFRAME-C12E-MED-L1-INT-0 TO 0.5-231208-L-FB | 497531-025 | 12/08/23 09:35 | Wipe |
| AFRAME-C13E-MED-L1-EXT-1 TO 2-231208-L-WF | 497531-026 | 12/08/23 10:25 | Wipe |

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 497531 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 12/08/23 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C13E-LAT-L1-INT-1 TO 2-231208-L-FB | 497531-027 | 12/08/23 10:10 | Wipe |
| AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-L-SS | 497531-028 | 12/08/23 09:15 | Wipe |
| AFRAME-C12E-MED-L1-DN-C12E-DG-231208-L-SS | 497531-029 | 12/08/23 09:25 | Wipe |
| AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-L-SS | 497531-030 | 12/08/23 10:20 | Wipe |
| 231208-L-FIELDBLANK1-HO | 497531-031 | 12/08/23 07:20 | Wipe |
| 231208-L-MEDBLANK1-HO | 497531-032 | 12/08/23 11:15 | Wipe |
| 231208-L-FIELDBLANK2-HO | 497531-033 | 12/08/23 07:15 | Wipe |
| 231208-L-MEDBLANK2-HO | 497531-034 | 12/08/23 11:20 | Wipe |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Rincon Consultants<br>449 15th Street<br>#303<br>Oakland, CA 94612<br>Austin Moore | Lab Job Number: 497531<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 12/08/23 |

This data package contains sample and QC results for thirty four wipe samples, requested for the above referenced project on 12/11/23. The samples were received cold and intact.

**Metals (EPA 6010B):**
No analytical problems were encountered.

497531

ENTHALPY ANALYTICAL

**Chain of Custody Record** COC ID:

Page: 1 of 3

**Turn Around Time (rush by advanced notice only)**

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

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

**Report:** Level II data validation

**Sample Receipt Temp:** (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 8082 | Lead - EPA Method 3050/6010B | HOLD |
|---|---|---|---|---|---|---|---|---|---|
| 1 | AFRAME-C12E-MED-L3-DN-C12.6-VS-231208-L-LA | 12/8/2023 | 0920 | WP | 1 | -- | | X | |
| 2 | AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-L-LA | 12/8/2023 | 0905 | WP | 1 | -- | | X | |
| 3 | AFRAME-C12E-MED-L2-HS-1-231208-L-G | 12/8/2023 | 0900 | WP | 1 | -- | | X | |
| 4 | AFRAME-C13E-MED-L2-HS-1-231208-L-G | 12/8/2023 | 0915 | WP | 1 | -- | | X | |
| 5 | AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-L-I | 12/8/2023 | 0930 | WP | 1 | -- | | X | |
| 6 | AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 12/8/2023 | 0945 | WP | 1 | -- | | X | |
| 7 | AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-L-I | 12/8/2023 | 0950 | WP | 1 | -- | | X | |
| 8 | AFRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 12/8/2023 | 0955 | WP | 1 | -- | | X | |
| 9 | AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-L-I | 12/8/2023 | 0935 | WP | 1 | -- | | X | |
| 10 | AFRAME-C12E-MED-L2-EXT-0 TO 1-231208-L-WF | 12/8/2023 | 0710 | WP | 1 | -- | | X | |
| 11 | AFRAME-C12E-MED-L2-DN-C12.2-VS-231208-L-LA | 12/8/2023 | 0740 | WP | 1 | -- | | X | |
| 12 | AFRAME-C12E-MED-L2-INT-0 TO 0.5-231208-L-FB | 12/8/2023 | 0750 | WP | 1 | -- | | X | |
| 13 | AFRAME-C13E-MED-L2-INT-0 TO 0.5-231208-L-FB | 12/8/2023 | 0800 | WP | 1 | -- | | X | |
| 14 | AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-L-SS | 12/8/2023 | 0810 MK | WP | 1 | -- | | X | |
| 15 | AFRAME-C12E-LAT-L1-HS-3-231208-L-A | 12/8/2023 | 0835 0898 | WP | 1 | -- | | X | |

**Analysis Request**

**Test Instructions / Comments**

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure A/B (High Occupancy)

2x Rivet Type 2 = 0.020 $ft^2$

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | [signature] | Donald Welsh | Rincon / Env. Scientist | 12/8/23 1340 |
| 1 Received By: | [signature] | AUDREY HUDSON | ENTHALPY | 12/8/23 13:40 |
| 2 Relinquished By: | [signature] | " | " | 12/8/23 15:54 |
| 2 Received By: | [signature] | [signature] | [signature] | 12/8/23 16:54 |
| 3 Relinquished By: | [signature] | [signature] | [signature] | 12/8/23 16:49 |
| 3 Received By: | [signature] | [signature] | EA AB 121923 | 1218 121923 0920 |

497531

ENTHALPY ANALYTICAL

**Chain of Custody Record**
COC ID:
Page: 2 of 3

**Turn Around Time (rush by advanced notice only)**
Standard: X (PCBs) | 5 Day: | 3 Day:
2 Day: | 1 Day: X (Pb) | Custom TAT:

**Enthalpy Analytical - Orange**
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

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

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other
**Report:** Level II data validation

**Sample Receipt Temp:** (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 8082 | Lead - EPA Method 3050/6010B | HOLD | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | AFRAME-C12E-LAT-L1-HS-3-231208-L-DUP-A | 12/8/2023 | ~~0835~~ 0840 MK | WP | 1 | -- | | X | | |
| 17 | AFRAME-C12E-MED-L1-HS-3-231208-L-A | 12/8/2023 | 0835 | WP | 1 | -- | | X | | |
| 18 | AFRAME-C12E-MED-L1-HS-3-231208-L-DUP-A | 12/8/2023 | 0835 | WP | 1 | -- | | X | | |
| 19 | AFRAME-C12E-MED-L1-UP-C12.6-DG-231208-L-SS | 12/8/2023 | 0900 | WP | 1 | -- | | X | | |
| 20 | AFRAME-C13E-LAT-L1-HS-3-231208-L-A | 12/8/2023 | 0905 | WP | 1 | -- | | X | | |
| 21 | AFRAME-C12E-MED-L1-HS-3-231208-L-G | 12/8/2023 | 0850 | WP | 1 | -- | | X | | |
| 22 | AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-L-SS | 12/8/2023 | 0825 | WP | 1 | -- | | X | | |
| 23 | ~~AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-L-LA~~ | ~~12/8/2023~~ | 0955 | WP | 1 | -- | | X | | 1x Rivet Type 2 = 0.0100 ft² |
| 24 | ~~AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-L-WF~~ | ~~12/8/2023~~ | 1000 | WP | 1 | -- | | X | | |
| 25 | AFRAME-C12E-MED-L1-INT-0 TO 0.5-231208-L-FB | 12/8/2023 | 0935 | WP | 1 | -- | | X | | |
| 26 | AFRAME-C13E-MED-L1-EXT-1 TO 2-231208-L-WF | 12/8/2023 | 1015 | WP | 1 | -- | | X | | |
| 27 | AFRAME-C13E-LAT-L1-INT-1 TO 2-231208-L-FB | 12/8/2023 | 1010 | WP | 1 | -- | | X | | |
| 28 | AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-L-SS | 12/8/2023 | 0915 | WP | 1 | -- | | X | | |
| 29 | ~~AFRAME-C12E-MED-L1-DN-C12E-DG-231208-L-SS~~ | ~~12/8/2023~~ | 0925 | WP | 1 | -- | | X | | |
| 30 | AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-L-SS | 12/8/2023 | 1020 | WP | 1 | -- | | X | | |

**Analysis Request**

**Test Instructions / Comments**

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure A/B (High Occupancy)

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 12/8/23 1340 |
| 1 Received By: | Audrey Hudson | ENTHALPY | AUDREY HUDSON | 12/8/23 13:40 |
| 2 Relinquished By: | Audrey Hudson | " " | " " | 12/8/23 15:54 |
| 2 Received By: | | | | 12/8/23 15:54 |
| 3 Relinquished By: | | | | 12/8/23 16:40 |
| 3 Received By: | | | EA | 12/9/23 0920 |

497531

# ENTHALPY ANALYTICAL

## Chain of Custody Record

COC ID:

Page: 3 of 3

| Turn Around Time (rush by advanced notice only) | | | | | |
|---|---|---|---|---|---|
| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
| 2 Day: | | 1 Day: | X (Pb) | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


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

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

**Report:** Level II data validation

**Sample Receipt Temp:** (lab use only)

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

**Test Instructions / Comments**

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure A/B (High Occupancy)

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 8082 | Lead - EPA Method 3050/6010B | HOLD | |
|---|---|---|---|---|---|---|---|---|---|---|
| 31 | ~~231208-R-FIELDBLANK1-HO~~ | ~~12/8/2023~~ | ~~0720~~ | WP | 1 | -- | X | | | DW |
| 32 | 231208-L-FIELDBLANK1-HO | 12/8/2023 | 0720 | WP | | -- | | X | | |
| 33 | 231208-L-MEDBLANK1-HO | 12/8/2023 | 1115 | WP | 1 | -- | | X | | |
| 34 | 231208-L-FIELDBLANK2-HO | 12/8/2023 | 0715 | WP | 1 | -- | | X | | |
| 35 | 231208-L-MEDBLANK2-HO | 12/8/2023 | 1120 | WP | 1 | -- | | X | | |
| 36 | ~~AFRAME-CT3B-MED-L1-HS-3-231208-L-A~~ | 12/8/2023 | | WP | 1 | -- | | X | | MK |
| 37 | | | | | | | | | | |
| ~~38~~ | | | | | | | | | | |
| ~~39~~ | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 41 | | | | | | | | | | |
| 42 | | | | | | | | | | |
| 43 | | | | | | | | | | |
| ~~44~~ | | | | | | | | | | |
| 45 | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 12/8/23 1340 |
| [1] Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 12/8/23 13:40 |
| [2] Relinquished By: | Audrey Hudson | " | " | 12/8/23 15:54 |
| [2] Received By: | | | | 12/8/23 15:54 |
| [3] Relinquished By: | | | | 12/9/23 16:49 |
| [3] Received By: | | Angelica Smallenberg | FA | 12/9/23 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

ENTHALPY ANALYTICAL

**Section 1: General Info**

Date Received: 12/8/23 Login # 497531 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 12/8/23 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:

☐ 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 12/8/23 By (print) _____ (sign) _____

Date Labeled 12/8/23 By (print) _____ (sign) _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

# SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants  Project: Hangar 1 NTCRA

Date Received: 12/9/23  Sampler's Name Present: ☑ Yes ☐ No

**Section 2**

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)  Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 1.7 -3.50 AS 12/9/23 #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 5.0 AS 12/9/23 #2: _____ #3: _____ #4: _____

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

**Section 5** Explanations/Comments

497531

**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: DEC 09 2023

SOUTHWEST AIRLINES

Printed on:
08 DEC 19:04

526 OAK 9662 5093

ONT

1.7/5.0

OAK WN 3122 08 DEC 21:00

STN FLT DATE ETD

PC# 10 OF 11

DG G

LOT WT 450 LB (204.1 KG)

LOT 01

PC ID: 0010
PC WT: 41LB

526 96625093 0010

S

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491

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

**Field ID:** AFRAME-C12E-MED-L3-DN-C12.6-VS-231208-L-LA **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-001 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-001 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **83** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-L-LA **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-002 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-002 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **200** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L2-HS-1-231208-L-G **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-003 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-003 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **29** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13E-MED-L2-HS-1-231208-L-G **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-004 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-004 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **32** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-L-I **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-005 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-005 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **28** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-L-FB **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-006 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Dlln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-006 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **130** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-L-I **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-007 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Dlln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-007 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **43** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-L-FB **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-008 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Dlln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-008 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **22** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-L-I **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-009 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Dlln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-009 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **25** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L2-EXT-0 TO 1-231208-L-WF **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-010 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Dlln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-010 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **41** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12E-MED-L2-DN-C12.2-VS-231208-L-LA **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-011 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-011 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **10** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L2-INT-0 TO 0.5-231208-L-FB **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-012 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-012 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **18** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13E-MED-L2-INT-0 TO 0.5-231208-L-FB **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-013 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-013 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **26** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-L-SS **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-014 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-014 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **140** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-LAT-L1-HS-3-231208-L-A **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-015 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-015 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **64** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12E-LAT-L1-HS-3-231208-L-DUP-A **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-016 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-016 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **48** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L1-HS-3-231208-L-A **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-017 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-017 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **55** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L1-HS-3-231208-L-DUP-A **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-018 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-018 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **37** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L1-UP-C12.6-DG-231208-L-SS **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-019 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-019 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **41** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13E-LAT-L1-HS-3-231208-L-A **Batch#:** 328086 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-020 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-020 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **26** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12E-MED-L1-HS-3-231208-L-G **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-021 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-021 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **89** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-L-SS **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-022 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-022 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **200** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-L-LA **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-023 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-023 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **140** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-L-WF **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-024 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-024 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **24** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L1-INT-0 TO 0.5-231208-L-FB **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-025 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-025 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **110** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491

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

**Field ID:** AFRAME-C13E-MED-L1-EXT-1 TO 2-231208-L-WF **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-026 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-026 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **37** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13E-LAT-L1-INT-1 TO 2-231208-L-FB **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-027 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-027 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **120** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-L-SS **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-028 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-028 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **56** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L1-DN-C12E-DG-231208-L-SS **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-029 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-029 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **27** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-L-SS **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-030 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-030 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **110** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491

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

**Field ID:** 231208-L-FIELDBLANK1-HO **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-031 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-031 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **0.72** | 0.50 | ug/ft2 |

**Field ID:** 231208-L-MEDBLANK1-HO **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-032 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-032 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Field ID:** 231208-L-FIELDBLANK2-HO **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-033 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-033 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Field ID:** 231208-L-MEDBLANK2-HO **Batch#:** 328088 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 12/08/23 **Analysis:** EPA 6010B
**Lab ID:** 497531-034 **Received:** 12/08/23 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 12/09/23
**Diln Fac:** 1.000 **Analyzed:** 12/11/23

| 497531-034 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Type:** BLANK **Batch#:** 328086 **Analysis:** EPA 6010B
**Lab ID:** QC1112304 **Prepared:** 12/09/23 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 12/11/23
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112304 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 497531 **Project#:** 20-10491

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

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | BLANK | **Batch#:** | 328088 | **Analysis:** | EPA 6010B |
| **Lab ID:** | QC1112310 | **Prepared:** | 12/09/23 | **Analyst:** | SBW |
| **Matrix:** | Wipe | **Analyzed:** | 12/11/23 | | |
| **Diln Fac:** | 1.000 | **Prep:** | EPA 3050B | | |

| QC1112310 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

Legend

**ND:** Not Detected

**RL:** Reporting Limit

ENTHALPY ANALYTICAL

# Lead: Batch QC

**Lab #:** 497531 **Project#:** 20-10491

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

**Type:** BS **Batch#:** 328086 **Analysis:** EPA 6010B
**Lab ID:** QC1112305 **Prepared:** 12/09/23 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 12/11/23
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112305 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 54.64 | 109 | 80-120 | ug/ft2 |

**Type:** BS **Batch#:** 328088 **Analysis:** EPA 6010B
**Lab ID:** QC1112311 **Prepared:** 12/09/23 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 12/11/23
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112311 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 55.00 | 110 | 80-120 | ug/ft2 |

**Type:** BSD **Batch#:** 328086 **Analysis:** EPA 6010B
**Lab ID:** QC1112306 **Prepared:** 12/09/23 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 12/11/23
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112306 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 53.03 | 106 | 80-120 | ug/ft2 | 3 | 20 |

**Type:** BSD **Batch#:** 328088 **Analysis:** EPA 6010B
**Lab ID:** QC1112312 **Prepared:** 12/09/23 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 12/11/23
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1112312 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 55.37 | 111 | 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: | 502491 |
| Report Level: | II |
| Report Date: | 02/19/2024 |

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*



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

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

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

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 502491 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 02/15/24 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C12W-MED-L2-HS-1-240215-L-G | 502491-001 | 02/15/24 11:30 | Wipe |
| AFRAME-C13W-MED-L2-HS-1-240215-L-G | 502491-002 | 02/15/24 11:40 | Wipe |
| AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-L-WF | 502491-003 | 02/15/24 11:05 | Wipe |
| AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-L-WF | 502491-004 | 02/15/24 10:15 | Wipe |
| AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-L-FB | 502491-005 | 02/15/24 10:10 | Wipe |
| AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-L-LA | 502491-006 | 02/15/24 10:25 | Wipe |
| AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-L-FB | 502491-007 | 02/15/24 10:40 | Wipe |
| AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-L-SS | 502491-008 | 02/15/24 09:35 | Wipe |
| AFRAME-C12W-MED-L1-DN-C12W-DG-240215-L-SS | 502491-009 | 02/15/24 09:50 | Wipe |
| AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-L-SS | 502491-010 | 02/15/24 09:55 | Wipe |
| AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-L-I | 502491-011 | 02/15/24 11:20 | Wipe |

ENTHALPY ANALYTICAL

# Case Narrative

| | | |
|---|---|---|
| Rincon Consultants<br>449 15th Street<br>#303<br>Oakland, CA 94612<br>Austin Moore | Lab Job Number: | 502491 |
| | Project No: | 20-10491 |
| | Location: | Hangar 1<br>NTCRA |
| | Date Received: | 02/15/24 |

This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 02/16/24. The samples were received cold and intact.

**Metals (EPA 6010B):**

No analytical problems were encountered.

ENTHALPY ANALYTICAL

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

# Chain of Custody Record

COC ID: 502491

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X | Custom TAT: | |

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

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

**Report:** Level II data validation

**Sample Receipt Temp:** (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | Analysis Request: Lead - EPA Method 3050/6010B | HOLD | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1 | AFRAME-C12W-MED-L2-HS-1-240215-L-G | 2/15/2024 | 1130 | WP | 1 | -- | X | | **Confirmation Wipe Samples - Level II Report/Stage 2A Validation**<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 6 Enclosure C/D (High Occupancy) |
| 2 | AFRAME-C13W-MED-L2-HS-1-240215-L-G | 2/15/2024 | 1140 | WP | 1 | -- | X | | |
| 3 | AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-L-WF | 2/15/2024 | 1105 | WP | 1 | -- | X | | |
| 4 | AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-L-WF | 2/15/2024 | 1015 | WP | 1 | -- | X | | |
| 5 | AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-L-FB | 2/15/2024 | 1010 | WP | 1 | -- | X | | |
| 6 | AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-L-LA | 2/15/2024 | 1025 | WP | 1 | -- | X | | 1 x Rivet Type 1 = 0.0100 ft² |
| 7 | ~~AFRAME-C13W-MED-L1-EXT-1 TO 2-240215-L-WF~~ | ~~2/15/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| 8 | AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-L-FB | 2/15/2024 | 1040 | WP | 1 | -- | X | | |
| 9 | AFRAME-C11W-MED-L1-DN-C11 7-DG-240215-L-SS | 2/15/2024 | 0935 | WP | 1 | -- | X | | |
| 10 | AFRAME-C12W-MED-L1-DN-C12W-DG-240215-L-SS | 2/15/2024 | 0950 | WP | 1 | -- | X | | |
| 11 | AFRAME-C12W-MED-L1-DN-C12 7-DG-240215-L-SS | 2/15/2024 | 0955 | WP | 1 | -- | X | | |
| 12 | AFRAME-C12W-LAT-L2-UP-C12 6-VS-240215-L-I | 2/15/2024 | 1120 | WP | 1 | -- | X | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| 1 Received By: | Audrey Hudson | Audrey Hudson | Enthalpy | 2/15/24 1410 |
| 2 Relinquished By: | Audrey Hudson | " | " | 2/15/24 16:40 |
| 2 Received By: | | Jack Peterson | Enthalpy | 2.15.24 16:40 |
| 3 Relinquished By: | | Jack Peterson | Enthalpy | 2.15.24 18:15 |
| 3 Received By: | | | CA | FEB 16 2024 0800 |

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

## SAMPLE RECEIPT CHECKLIST

ENTHALPY

**Section 1: General Info**

Date Received: 2/15/24 Login # 502491 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 2.15.24 By (print) Jade Peterson (sign) [signature]

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

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

**Section 6: Explanations / Comments**

_____

_____

_____

_____

_____

_____

_____

_____

_____

**Date Logged** 2/15/24 **By (print)** _____ **(sign)** [signature]

**Date Labeled** 2.15.24 **By (print)** Jade Peterson **(sign)** [signature]

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants  Project: Hangar 1 NTCRA

Date Received: 02/16/24  Sampler's Name Present: ☒ Yes ☐ No

**Section 2**

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)  Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.1 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

**Section 3**

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

Cooler Temp (°C): #1: 4.1 #2: _____ #3: _____ #4: _____

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

**Section 5** Explanations/Comments

502491

**Section 6**

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: FEB 16 2024

SOUTHWEST AIRLINES

Printed on:
15 FEB 19:37

526 OAK 9940 7980

# SNA

42

OAK WN 2652 16 FEB 07:30

STN FLT DATE ETD

PC# 6 OF 7

DG G

LOT WT 280 LB (126.9 KG)

LOT 01

PC ID: 0006
PC WT: 40LB

526 99407980 0006

S

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502491 **Project#:** 20-10491

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

**Field ID:** AFRAME-C12W-MED-L2-HS-1-240215-L-G **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-001 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-001 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **9.6** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-MED-L2-HS-1-240215-L-G **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-002 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-002 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **53** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-L-WF **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-003 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-003 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **45** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-L-WF **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-004 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-004 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **25** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-L-FB **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-005 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-005 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **190** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502491 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-L-LA **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-006 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-006 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 32 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-L-FB **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-007 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-007 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 87 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-L-SS **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-008 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-008 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 92 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-MED-L1-DN-C12W-DG-240215-L-SS **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-009 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-009 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 45 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-L-SS **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/15/24 **Analysis:** EPA 6010B
**Lab ID:** 502491-010 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502491-010 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 94 | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502491 **Project#:** 20-10491

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

**Field ID:** AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-L-I
**Type:** SAMPLE
**Lab ID:** 502491-011
**Matrix:** Wipe
**Diln Fac:** 1.000

**Batch#:** 333249
**Sampled:** 02/15/24
**Received:** 02/15/24
**Prepared:** 02/16/24
**Analyzed:** 02/18/24

**Prep:** EPA 3050B
**Analysis:** EPA 6010B
**Analyst:** SBW

| 502491-011 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **16** | 0.50 | ug/ft2 |

**Type:** BLANK
**Lab ID:** QC1128914
**Matrix:** Wipe
**Diln Fac:** 1.000

**Batch#:** 333249
**Prepared:** 02/16/24
**Analyzed:** 02/18/24
**Prep:** EPA 3050B

**Analysis:** EPA 6010B
**Analyst:** SBW

| QC1128914 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

Legend
**ND:** Not Detected
**RL:** Reporting Limit

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# Lead: Batch QC

**Lab #:** 502491 **Project#:** 20-10491

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

**Type:** BS **Batch#:** 333249 **Analysis:** EPA 6010B

**Lab ID:** QC1128915 **Prepared:** 02/16/24 **Analyst:** SBW

**Matrix:** Wipe **Analyzed:** 02/18/24

**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128915 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 55.32 | 111 | 80-120 | ug/ft2 |

**Type:** BSD **Batch#:** 333249 **Analysis:** EPA 6010B

**Lab ID:** QC1128916 **Prepared:** 02/16/24 **Analyst:** SBW

**Matrix:** Wipe **Analyzed:** 02/18/24

**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128916 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 54.63 | 109 | 80-120 | ug/ft2 | 1 | 20 |

Legend

**RPD:** Relative Percent Difference

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

enthalpy.com

| | |
|---|---|
| Lab Job Number: | 502499 |
| Report Level: | II |
| Report Date: | 02/19/2024 |

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*



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

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

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

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 502499 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 02/15/24 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-L-LA | 502499-001 | 02/14/24 09:25 | Wipe |
| AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-L-LA | 502499-002 | 02/14/24 09:40 | Wipe |
| AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-WF | 502499-003 | 02/14/24 09:55 | Wipe |
| AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 502499-004 | 02/14/24 09:55 | Wipe |
| AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-L-I | 502499-005 | 02/14/24 10:45 | Wipe |
| AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-L-FB | 502499-006 | 02/14/24 10:55 | Wipe |
| AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-L-I | 502499-007 | 02/14/24 11:05 | Wipe |
| AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-L-FB | 502499-008 | 02/14/24 11:15 | Wipe |
| AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-L-I | 502499-009 | 02/14/24 11:30 | Wipe |
| AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-L-LA | 502499-010 | 02/14/24 14:15 | Wipe |
| AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-L-FB | 502499-011 | 02/14/24 11:40 | Wipe |
| AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-L-I | 502499-012 | 02/14/24 14:40 | Wipe |
| AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-L-FB | 502499-013 | 02/14/24 14:30 | Wipe |

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 502499 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 02/15/24 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-L-SS | 502499-014 | 02/14/24 15:35 | Wipe |
| AFRAME-C12W-LAT-L1-HS-3-240214-L-A | 502499-015 | 02/14/24 15:15 | Wipe |
| AFRAME-C12W-LAT-L1-HS-3-240214-L-DUP-A | 502499-016 | 02/14/24 15:15 | Wipe |
| AFRAME-C12W-MED-L1-HS-3-240214-L-A | 502499-017 | 02/14/24 15:30 | Wipe |
| AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-L-SS | 502499-018 | 02/14/24 15:00 | Wipe |
| AFRAME-C13W-LAT-L1-HS-3-240214-L-A | 502499-019 | 02/14/24 14:50 | Wipe |
| 240214-L-FIELDBLANK1-HO | 502499-020 | 02/14/24 14:10 | Wipe |
| 240214-L-MEDBLANK1-HO | 502499-021 | 02/14/24 17:30 | Wipe |
| 240214-L-FIELDBLANK2-HO | 502499-022 | 02/14/24 09:30 | Wipe |
| 240214-L-MEDBLANK2-HO | 502499-023 | 02/14/24 17:32 | Wipe |

# Case Narrative

| | |
|---|---|
| Rincon Consultants<br>449 15th Street<br>#303<br>Oakland, CA 94612<br>Austin Moore | Lab Job Number: 502499<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 02/15/24 |

This data package contains sample and QC results for twenty three wipe samples, requested for the above referenced project on 02/16/24. The samples were received cold and intact.

**Metals (EPA 6010B):**
No analytical problems were encountered.

ENTHALPY ANALYTICAL

**Chain of Custody Record** COC ID: 502499

Page: 1 of 3

**Turn Around Time (rush by advanced notice only)**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X | Custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

**Report:** Level II data validation

**Sample Receipt Temp:** (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | Analysis Request: Lead - EPA Method 3050/6010B | HOLD | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1 | AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-L-LA | 2/14/2024 | 0925 | WP | 1 | -- | X | | 2x Rivet Type 2 = 0.020ft² |
| 2 | AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-L-LA | 2/14/2024 | 0940 | WP | 1 | -- | X | | |
| 3 | AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-WF | 2/14/2024 | 0955 | WP | 1 | -- | X | | |
| 4 | AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 2/14/2024 | 0955 | WP | 1 | -- | X | | |
| 5 | ~~AFRAME-C12W-MED-L2-HS-1-240214-L-G~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| 6 | ~~AFRAME-C13W-MED-L2-HS-1-240214-L-G~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| 7 | AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-L-I | 2/14/2024 | 1045 | WP | 1 | -- | X | | |
| 8 | AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-L-FB | 2/14/2024 | 1055 | WP | 1 | -- | X | | |
| 9 | AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-L-I | 2/14/2024 | 1105 | WP | 1 | -- | X | | |
| 10 | AFRAME-C13W-LAT-L2-INT-0.5 TO 1-240214-L-FB | 2/14/2024 | 1115 | WP | 1 | -- | X | | |
| 11 | AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-L-I | 2/14/2024 | 1130 | WP | 1 | -- | X | | |
| 12 | AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-L-LA | 2/14/2024 | 1415 | WP | 1 | -- | X | | |
| 13 | ~~AFRAME-C12W-MED-L2-EXT-0 TO 1-240214-L-WF~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| 14 | AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-L-FB | 2/14/2024 | 1140 | WP | 1 | -- | X | | |
| 15 | AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-L-I | 2/14/2024 | 1440 | WP | 1 | -- | X | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY " | 2/15/24 14:10 |
| 2 Relinquished By: | Audrey Hudson | " | " | 2/15/24 16:40 |
| 2 Received By: | | Joe Peterson | Enthalpy | 2.15.24 16:40 |
| 3 Relinquished By: | | Joe Peterson | Enthalpy | 2.15.24 18:14 |
| 3 Received By: | | Chim | CA | FEB 16 2024 1000 |

ENTHALPY ANALYTICAL

# Chain of Custody Record

COC ID: 502499

Page: 2 of 3

**Turn Around Time (rush by advanced notice only)**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X | Custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

**Report:** Level II data validation

**Sample Receipt Temp:** (lab use only)

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

**Test Instructions / Comments**

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

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy)

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | Analysis Request: Lead - EPA Method 3050/6010B | HOLD | |
|---|---|---|---|---|---|---|---|---|---|
| 16 | AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-L-FB | 2/14/2024 | 1430 | WP | 1 | -- | X | | |
| 17 | AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-L-SS | 2/14/2024 | 1535 | WP | 1 | -- | X | | |
| 18 | AFRAME-C12W-LAT-L1-HS-3-240214-L-A | 2/14/2024 | 1515 | WP | 1 | -- | X | | |
| 19 | AFRAME-C12W-LAT-L1-HS-3-240214-L-DUP-A | 2/14/2024 | 1515 | WP | 1 | -- | X | | |
| 20 | AFRAME-C12W-MED-L1-HS-3-240214-L-A | 2/14/2024 | 1530 | WP | 1 | -- | X | | |
| 21 | AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-L-SS | 2/14/2024 | 1500 | WP | 1 | -- | X | | |
| 22 | AFRAME-C13W-LAT-L1-HS-3-240214-L-A | 2/14/2024 | 1450 | WP | 1 | -- | X | | |
| ~~23~~ | ~~AFRAME-C12W-LAT-L1-EXT-1 TO 2-240214-L-WF~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| ~~24~~ | ~~AFRAME-C12W-MED-L1-INT-0 TO 0.5-240214-L-FB~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| ~~25~~ | ~~AFRAME-C12W-LAT-L1-DN-C12W-HS-240214-L-LA~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | | ~~X~~ | | DW |
| ~~26~~ | ~~AFRAME-C13W-MED-L1-EXT-1 TO 2-240214-L-WF~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| ~~27~~ | ~~AFRAME-C13W-LAT-L1-INT-1 TO 2-240214-L-FB~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | | ~~X~~ | | DW |
| ~~28~~ | ~~AFRAME-C11W-MED-L1-DN-C11.7-DG-240214-L-SS~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| ~~29~~ | ~~AFRAME-C12W-MED-L1-DN-C12W-DG-240214-L-SS~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |
| ~~30~~ | ~~AFRAME-C12W-MED-L1-DN-C12.7-DG-240214-L-SS~~ | ~~2/14/2024~~ | | ~~WP~~ | ~~1~~ | ~~--~~ | ~~X~~ | | DW |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| [1] Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 2/15/24 14:10 |
| [2] Relinquished By: | Audrey Hudson | " | " | 2/15/24 16:40 |
| [2] Received By: | | Jade Peterson | Enthalpy | 2.15.24 16:40 |
| [3] Relinquished By: | | Jade Peterson | Enthalpy | 2.15.24 18:14 |
| [3] Received By: | | G. Lim | EA | FEB 16 2024 1000 |

ENTHALPY ANALYTICAL

**Chain of Custody Record** COC ID: 502499

Page: 3 of 3

**Turn Around Time (rush by advanced notice only)**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X | Custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

**Report:** Level II data validation

**Sample Receipt Temp:** (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | Lead - EPA Method 3050/6010B | HOLD | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|
| 31 | 240214-L-FIELDBLANK1-HO | 2/14/2024 | 1410 | WP | 1 | -- | X | | |
| 32 | 240214-L-MEDBLANK1-HO | 2/14/2024 | 1730 | WP | 1 | -- | X | | |
| 33 | 240214-L-FIELDBLANK2-HO | 2/14/2024 | 0930 | WP | 1 | -- | X | | |
| 34 | 240214-L-MEDBLANK2-HO | 2/14/2024 | 1732 | WP | 1 | -- | X | | |
| ~~35~~ | ~~AERAME-C12W-LAT-L2-UP-C12.6-VS-240214-L-1~~ | 2/14/2024 | | WP | 1 | | X | | DW |
| 36 | | | | | | | | | |
| 37 | | | | | | | | | |
| 38 | | | | | | | | | |
| 39 | | | | | | | | | |
| 40 | | | | | | | | | |
| 41 | | | | | | | | | |
| 42 | | | | | | | | | |
| 43 | | | | | | | | | |
| 44 | | | | | | | | | |
| 45 | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

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

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy)

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY " | 2/15/24 14:10 |
| 2 Relinquished By: | Audrey Hudson | " | " | 2/15/24 16:40 |
| 2 Received By: | | Jack Peterson | Enthalpy | 2.15.24 16:40 |
| 3 Relinquished By: | | Jack Peterson | Enthalpy | 2.15.24 18:14 |
| 3 Received By: | | Glum | CA | FEB 16 2024 1500 |

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

## SAMPLE RECEIPT CHECKLIST

ENTHALPY

**Section 1: General Info**

Date Received: 2/15/24 Login # 502499 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 2.15.24 By (print) Jade Peterson (sign) _____

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

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

**Section 6: Explanations / Comments**

Date Logged 2/15/24 By (print) _____ (sign) _____

Date Labeled 2.15.24 By (print) Jade Peterson (sign) _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants  Project: Hangar 1 NTCRA

Date Received: 02/16/24  Sampler's Name Present: ☒ Yes ☐ No

**Section 2**

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)  Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

**Section 3**

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

Cooler Temp (°C): #1: 4.2 #2: _____ #3: _____ #4: _____

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

**Section 5** Explanations/Comments

502499

**Section 6**

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: FEB 16 2024

SOUTHWEST AIRLINES

Printed on:
15 FEB 19:37

526 OAK 9940 7980

SNA

42

PC# 6 OF 7 | DG G | LOT WT 280 LB (126.9 KG)

OAK WN 2652 16 FEB 07:30

STN FLT DATE ETD LOT 01

PC ID: 0006
PC WT: 40LB

526 99407980 0006

S

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502499 **Project#:** 20-10491

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

**Field ID:** AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-L-LA **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-001 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-001 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **140** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-L-LA **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-002 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-002 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **100** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-WF **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-003 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-003 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **65** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF **Batch#:** 333249 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-004 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-004 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **53** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-L-I **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-005 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-005 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **11** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502499 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-L-FB **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-006 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-006 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **21** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-L-I **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-007 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-007 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **21** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-L-FB **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-008 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-008 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **19** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-L-I **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-009 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-009 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **71** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-L-LA **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-010 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-010 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **120** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502499 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-L-FB **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-011 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-011 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 95 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-L-I **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-012 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-012 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 28 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-L-FB **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-013 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-013 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 28 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-L-SS **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-014 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-014 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 180 | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L1-HS-3-240214-L-A **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-015 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-015 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | 40 | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502499 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C12W-LAT-L1-HS-3-240214-L-DUP-A **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-016 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-016 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **36** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-MED-L1-HS-3-240214-L-A **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-017 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-017 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **31** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-L-SS **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-018 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-018 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **45** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-LAT-L1-HS-3-240214-L-A **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-019 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-019 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **38** | 0.50 | ug/ft2 |

**Field ID:** 240214-L-FIELDBLANK1-HO **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-020 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-020 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502499 **Project#:** 20-10491

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

**Field ID:** 240214-L-MEDBLANK1-HO **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-021 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-021 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Field ID:** 240214-L-FIELDBLANK2-HO **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-022 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-022 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Field ID:** 240214-L-MEDBLANK2-HO **Batch#:** 333248 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502499-023 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/18/24

| 502499-023 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Type:** BLANK **Batch#:** 333248 **Analysis:** EPA 6010B
**Lab ID:** QC1128911 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/18/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128911 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Type:** BLANK **Batch#:** 333249 **Analysis:** EPA 6010B
**Lab ID:** QC1128914 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/18/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128914 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

Legend
**ND:** Not Detected
**RL:** Reporting Limit

ENTHALPY ANALYTICAL

# Lead: Batch QC

**Lab #:** 502499 **Project#:** 20-10491

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

**Type:** BS **Batch#:** 333248 **Analysis:** EPA 6010B
**Lab ID:** QC1128912 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/18/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128912 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 53.40 | 107 | 80-120 | ug/ft2 |

**Type:** BS **Batch#:** 333249 **Analysis:** EPA 6010B
**Lab ID:** QC1128915 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/18/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128915 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 55.32 | 111 | 80-120 | ug/ft2 |

**Type:** BSD **Batch#:** 333248 **Analysis:** EPA 6010B
**Lab ID:** QC1128913 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/18/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128913 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 54.68 | 109 | 80-120 | ug/ft2 | 2 | 20 |

**Type:** BSD **Batch#:** 333249 **Analysis:** EPA 6010B
**Lab ID:** QC1128916 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/18/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128916 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 54.63 | 109 | 80-120 | ug/ft2 | 1 | 20 |

Legend

**RPD:** Relative Percent Difference

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

enthalpy.com

| | |
|---|---|
| Lab Job Number: | 502501 |
| Report Level: | IV |
| Report Date: | 02/26/2024 |

**PCBs**

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*



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

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

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

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 502501 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 02/15/24 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA | 502501-001 | 02/14/24 15:25 | Wipe |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA | 502501-002 | 02/14/24 15:25 | Wipe |
| AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA | 502501-004 | 02/14/24 11:45 | Wipe |
| AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA | 502501-006 | 02/14/24 12:00 | Wipe |
| AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF | 502501-008 | 02/14/24 15:15 | Wipe |
| AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA | 502501-010 | 02/14/24 14:35 | Wipe |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA | 502501-012 | 02/14/24 14:20 | Wipe |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-P-WF | 502501-014 | 02/14/24 14:45 | Wipe |
| AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-P-LA | 502501-017 | 02/14/24 15:00 | Wipe |
| AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA | 502501-020 | 02/14/24 15:40 | Wipe |
| 240214-P-FIELDBLANK1-HO | 502501-022 | 02/14/24 14:10 | Wipe |
| AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA | 502501-024 | 02/14/24 15:05 | Wipe |

# Case Narrative
## PCBS (EPA 8082)

| | |
|---|---|
| Rincon Consultants<br>449 15th Street<br>#303<br>Oakland, CA 94612<br>Austin Moore | Lab Job Number: 502501<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 02/15/24 |

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 02/16/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

**Chain of Custody**

# ENTHALPY ANALYTICAL

## Chain of Custody Record

COC ID: 502501

Page: 1 of 2

**Turn Around Time (rush by advanced notice only)**

| | | | | | |
|---|---|---|---|---|---|
| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

**Report:** Level IV

**Sample Receipt Temp:** (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA | 2/14/2024 | 1525 | WP | 1 | -- | X | | | **Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** |
| 2 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA | 2/14/2024 | 1525 | WP | 1 | -- | X | | | Report PCB concentrations on a µg/100cm2 basis |
| 3 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA | 2/14/2024 | 1525 | WP | 1 | -- | | X | | Report lead concentrations on a µg/ft2 basis |
| 4 | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA | 2/14/2024 | 1145 | WP | 1 | -- | X | | | Report Aroclor 1268 concentrations in addition to the standard Aroclors |
| 5 | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA | 2/14/2024 | 1145 | WP | 1 | -- | | X | | Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy) |
| 6 | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA | 2/14/2024 | 1200 | WP | 1 | -- | X | | | |
| 7 | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA | 2/14/2024 | 1200 | WP | 1 | -- | | X | | |
| 8 | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF | 2/14/2024 | 1515 | WP | 1 | -- | X | | | |
| 9 | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF | 2/14/2024 | 1515 | WP | 1 | -- | | X | | |
| 10 | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA | 2/14/2024 | 1435 | WP | 1 | -- | X | | | |
| 11 | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA | 2/14/2024 | 1435 | WP | 1 | -- | | X | | |
| 12 | ~~AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-DUP-LA~~ | ~~2/14/2024~~ | | ~~WP~~ | 1 | -- | | X | | TS |
| 13 | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA | 2/14/2024 | 1420 | WP | 1 | -- | X | | | |
| 14 | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA | 2/14/2024 | 1420 | WP | 1 | -- | | X | | |
| 15 | AFRAME-12W-LAT-L3-EXT-0 TO 1-240214-P-WF | 2/14/2024 | 1445 | WP | 1 | -- | X | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| [1] Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 2/15/24 14:10 |
| [2] Relinquished By: | Audrey Hudson | " | " 2.15.24 | ~~2/16/24 JJP~~ 16:40 |
| [2] Received By: | | Jodz Peterson JJP | Enthalpy 2.15.24 | ~~2.16.24 JJP~~ 16:40 |
| [3] Relinquished By: | | | Enthalpy 2.15.24 | ~~2.16.24 JJP~~ ~~16:18~~ 0809 |
| [3] Received By: | | | CA | FEB 16 2024 1000 |

ENTHALPY ANALYTICAL

# Chain of Custody Record

COC ID: 502501

Page: 2 of 2

**Turn Around Time (rush by advanced notice only)**

| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

**Report:** Level IV

**Sample Receipt Temp:** (lab use only)

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

**Test Instructions / Comments**

**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy)

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | AFRAME-12W-LAT-L3-EXT-0 TO 1-240214-L-WF | 2/14/2024 | 1445 | WP | 1 | -- | | X | | |
| 17 | AFRAME-12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 2/14/2024 | 1445 | WP | 1 | -- | | X | | |
| 18 | AFRAME-~~C12W-LAT~~-L3-UP-~~C12.6~~-HS-240214-P-LA (C11W-MED, C11.6) | 2/14/2024 | 1500 | WP | 1 | -- | X | | | |
| 19 | AFRAME-~~C12W-LAT~~-L3-UP-~~C12.6~~-HS-240214-L-LA (C11W-MED, C11.6) | 2/14/2024 | 1500 | WP | 1 | -- | | X | | |
| 20 | ~~AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA~~ (C11W) | 2/14/2024 | | WP | 1 | -- | X | | | TS |
| 21 | AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA | 2/14/2024 | 1505 | WP | 1 | -- | | X | | |
| 22 | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA | 2/14/2024 | 1540 | WP | 1 | -- | X | | | |
| 23 | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA | 2/14/2024 | 1540 | WP | 1 | -- | | X | | |
| 24 | 240214-P-FIELDBLANK1-HO | 2/14/2024 | 1410 | WP | 1 | -- | X | | | |
| 25 | Aframe-C11W-LAT-L3-UP-C11.1-HS-20240214-L-DUP-LA | 2/14/2024 | 1420 | WP | 1 | -- | | X | | |
| 26 | Aframe-C12W-MED-L3-UP-C12.3-DG-20240214-P-LA | 2/14/24 | 1505 | WP | 1 | -- | X | | | |
| 27 | | | | | | | | | | |
| 28 | | | | | | | | | | |
| 29 | | | | | | | | | | |
| 30 | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 2/15/24 1410 |
| 2 Relinquished By: | Audrey Hudson | " | " JP 2.15.24 | ~~2/15/24~~ JP 2.15.24 1640 |
| 2 Received By: | | Jade Peterson JP | Enthalpy | ~~2.16.24~~ 2.15.24 1640 |
| 3 Relinquished By: | | 6 him | Enthalpy EA | 2.15.24 1809 |

FEB 16 2024 PW

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

## SAMPLE RECEIPT CHECKLIST

ENTHALPY

**Section 1: General Info**

Date Received: 2/15/24 Login # 502501 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 2.15.24 By (print) Jade Peterson (sign) _____

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

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

**Section 6: Explanations / Comments**

Date Logged 2/15/24 By (print) _____ (sign) _____

Date Labeled 2.15.24 By (print) Jade Peterson (sign) _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants  Project: Hangar 1 NTCRA

Date Received: 02/16/24  Sampler's Name Present: [X] Yes [ ] No

**Section 2**

Sample(s) received in a cooler? [✔] Yes, How many? 1 [ ] No (skip section 2)  Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

**Section 3**

Was the cooler packed with: [✔] Ice [✔] Ice Packs [✔] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 4.2 #2: _____ #3: _____ #4: _____

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

**Section 5** Explanations/Comments

502501

**Section 6**

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: FEB 16 2024

SOUTHWEST AIRLINES

Printed on:
15 FEB 19:37

526 OAK 9940 7980

SNA

42

OAK WN 2652 16 FEB 07:30

STN FLT DATE ETD

PC# 6 OF 7

DG G

LOT WT 280 LB (126.9 KG)

LOT 01

PC ID: 0006
PC WT: 40LB

526 99407980 0006

S

9 of 302

**Results & QC Summary**

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 502501 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082
**Lab ID:** 502501-001 **Received:** 02/15/24 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 02/21/24
**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-001 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 |

| 502501-001 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 51 | 19-121 |
| Decachlorobiphenyl (PCB) | 46 | 19-121 |

**Field ID:** AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA **Batch#:** 333612 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082
**Lab ID:** 502501-002 **Received:** 02/15/24 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 02/21/24
**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-002 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-002 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 63 | 19-121 |
| Decachlorobiphenyl (PCB) | 52 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 502501 **Project#:** 20-10491

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

**Field ID:** AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-004 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-004 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 |

| 502501-004 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 58 | 19-121 |
| Decachlorobiphenyl (PCB) | 54 | 19-121 |

**Field ID:** AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-006 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-006 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 |

| 502501-006 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 58 | 19-121 |
| Decachlorobiphenyl (PCB) | 51 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 502501 **Project#:** 20-10491

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

**Field ID:** AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-008 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-008 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-008 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 55 | 19-121 |
| Decachlorobiphenyl (PCB) | 51 | 19-121 |

**Field ID:** AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-010 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-010 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-010 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 54 | 19-121 |
| Decachlorobiphenyl (PCB) | 52 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 502501 **Project#:** 20-10491

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

**Field ID:** AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-012 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-012 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-012 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 57 | 19-121 |
| Decachlorobiphenyl (PCB) | 51 | 19-121 |

**Field ID:** AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-P-WF **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-014 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-014 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-014 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 51 | 19-121 |
| Decachlorobiphenyl (PCB) | 44 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 502501 **Project#:** 20-10491

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

**Field ID:** AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-017 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-017 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 |

| 502501-017 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 57 | 19-121 |
| Decachlorobiphenyl (PCB) | 53 | 19-121 |

**Field ID:** AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546

**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082

**Lab ID:** 502501-020 **Received:** 02/15/24 **Analyst:** TRN

**Matrix:** Wipe **Prepared:** 02/21/24

**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-020 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-020 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 56 | 19-121 |
| Decachlorobiphenyl (PCB) | 56 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 502501 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** 240214-P-FIELDBLANK1-HO **Batch#:** 333612 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082
**Lab ID:** 502501-022 **Received:** 02/15/24 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 02/21/24
**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-022 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-022 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 54 | 19-121 |
| Decachlorobiphenyl (PCB) | 50 | 19-121 |

**Field ID:** AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA **Batch#:** 333612 **Prep:** EPA 3546
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 8082
**Lab ID:** 502501-024 **Received:** 02/15/24 **Analyst:** TRN
**Matrix:** Wipe **Prepared:** 02/21/24
**Diln Fac:** 1.000 **Analyzed:** 02/23/24

| 502501-024 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| 502501-024 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 52 | 19-121 |
| Decachlorobiphenyl (PCB) | 50 | 19-121 |

# Enthalpy Analytical - Orange Analytical Report

**Lab #:** 502501 **Project#:** 20-10491

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

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | BLANK | **Batch#:** | 333612 | **Analysis:** | EPA 8082 |
| **Lab ID:** | QC1130128 | **Prepared:** | 02/21/24 | **Analyst:** | TRN |
| **Matrix:** | Wipe | **Analyzed:** | 02/23/24 | | |
| **Diln Fac:** | 1.000 | **Prep:** | EPA 3546 | | |

| QC1130128 Analyte | Result | RL | Units |
|---|---|---|---|
| Aroclor-1016 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1221 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1232 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1242 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1248 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1254 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1260 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1262 | ND | 0.50 | ug/100 cm2 |
| Aroclor-1268 | ND | 0.50 | ug/100 cm2 |

| QC1130128 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 63 | 19-121 |
| Decachlorobiphenyl (PCB) | 53 | 19-121 |

Legend

**ND:** Not Detected

**RL:** Reporting Limit

# Enthalpy Analytical - Orange Analytical Report: Batch QC

**Lab #:** 502501 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Type:** BS **Batch#:** 333612 **Analysis:** EPA 8082
**Lab ID:** QC1130129 **Prepared:** 02/21/24 **Analyst:** TRN
**Matrix:** Wipe **Analyzed:** 02/24/24
**Diln Fac:** 1.000 **Prep:** EPA 3546

| QC1130129 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Aroclor-1016 | 5.000 | 3.287 | 66 | 60-140 | ug/100 cm2 |
| Aroclor-1260 | 5.000 | 3.240 | 65 | 60-140 | ug/100 cm2 |

| QC1130129 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 54 | 19-121 |
| Decachlorobiphenyl (PCB) | 53 | 19-121 |

**Type:** BSD **Batch#:** 333612 **Analysis:** EPA 8082
**Lab ID:** QC1130130 **Prepared:** 02/21/24 **Analyst:** TRN
**Matrix:** Wipe **Analyzed:** 02/24/24
**Diln Fac:** 1.000 **Prep:** EPA 3546

| QC1130130 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.000 | 3.389 | 68 | 60-140 | ug/100 cm2 | 3 | 20 |
| Aroclor-1260 | 5.000 | 3.346 | 67 | 60-140 | ug/100 cm2 | 3 | 20 |

| QC1130130 Surrogate | %REC | Limits |
|---|---|---|
| TCMX (PCB) | 55 | 19-121 |
| Decachlorobiphenyl (PCB) | 54 | 19-121 |

Legend

**RPD:** Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 502501 PCBS Wipe: EPA 8082

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | X Axis: | R |

| Level | File | Seqnum | Sample ID | Analyzed | Standards |
|---|---|---|---|---|---|
| L1 | gc07_0220240017 | 464074251017 | | 20-FEB-2024 13:49 | S19330 |
| L2 | gc07_0220240018 | 464074251018 | | 20-FEB-2024 14:06 | S19332 |
| L3 | gc07_0220240019 | 464074251019 | | 20-FEB-2024 14:24 | S19333 |
| L4 | gc07_0220240020 | 464074251020 | | 20-FEB-2024 14:41 | S19335 |
| L5 | gc07_0220240021 | 464074251021 | | 20-FEB-2024 14:59 | S19340 |
| L6 | gc07_0220240022 | 464074251022 | | 20-FEB-2024 15:16 | S19336 |
| L7 | gc07_0220240023 | 464074251023 | | 20-FEB-2024 15:33 | S19337 |
| L8 | gc07_0220240024 | 464074251024 | | 20-FEB-2024 15:51 | S19338 |
| L9 | gc07_0220240025 | 464074251025 | | 20-FEB-2024 16:08 | S19339 |

| Analyte | Ch | Type | a0 | a1 | a2 | Units | Avg RF | %RSD | n | Min $r^2$ | Max %RSD | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 Peak # 1 | A | AVRG | | 49.6616 | | ug/L | 0.0201 | 20 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 2 | A | AVRG | | 28.2095 | | ug/L | 0.0354 | 17 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 3 | A | AVRG | | 21.2007 | | ug/L | 0.0472 | 16 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 4 | A | AVRG | | 31.4555 | | ug/L | 0.0318 | 14 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 5 | A | AVRG | | 35.5181 | | ug/L | 0.0282 | 16 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 1 | A | AVRG | | 17.7126 | | ug/L | 0.0565 | 17 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 2 | A | AVRG | | 11.0472 | | ug/L | 0.0905 | 18 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 3 | A | AVRG | | 9.75392 | | ug/L | 0.1025 | 15 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 4 | A | AVRG | | 17.3910 | | ug/L | 0.0575 | 14 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 5 | A | AVRG | | 16.9556 | | ug/L | 0.0590 | 12 | 9 | .99 | 20 | |
| Decachlorobiphenyl (PCB) | A | AVRG | | 1.25131 | | pg/uL | 0.7992 | 11 | 9 | .99 | 20 | |
| TCMX (PCB) | A | AVRG | | 1.09986 | | pg/uL | 0.9092 | 14 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 1 | B | AVRG | | 53.5706 | | ug/L | 0.0187 | 12 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 2 | B | AVRG | | 26.8527 | | ug/L | 0.0372 | 12 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 3 | B | AVRG | | 19.5293 | | ug/L | 0.0512 | 15 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 4 | B | AVRG | | 29.5316 | | ug/L | 0.0339 | 12 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 5 | B | AVRG | | 36.6033 | | ug/L | 0.0273 | 10 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 1 | B | AVRG | | 15.6892 | | ug/L | 0.0637 | 11 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 2 | B | AVRG | | 14.3467 | | ug/L | 0.0697 | 14 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 3 | B | AVRG | | 20.8432 | | ug/L | 0.0480 | 11 | 8 | .99 | 20 | |
| Aroclor-1260 Peak # 4 | B | AVRG | | 18.1266 | | ug/L | 0.0552 | 9 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 5 | B | AVRG | | 11.9945 | | ug/L | 0.0834 | 13 | 9 | .99 | 20 | |
| Decachlorobiphenyl (PCB) | B | AVRG | | 0.87838 | | pg/uL | 1.1385 | 17 | 9 | .99 | 20 | |
| TCMX (PCB) | B | AVRG | | 1.14723 | | pg/uL | 0.8717 | 9 | 9 | .99 | 20 | |

ENTHALPY INITIAL CALIBRATION FOR 502501 PCBS Wipe: EPA 8082

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | X Axis: | R |

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

| Analyte | Ch | L1 RF | L2 RF | L3 RF | L4 RF | L5 RF | L6 RF | L7 RF | L8 RF | L9 RF |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 Peak # 1 | A | 0.0268 | 0.0250 | 0.0234 | 0.0204 | 0.0155 | 0.0186 | 0.0178 | 0.0171 | 0.0167 |
| Aroclor-1016 Peak # 2 | A | 0.0445 | 0.0425 | 0.0411 | 0.0370 | 0.0281 | 0.0336 | 0.0318 | 0.0308 | 0.0297 |
| Aroclor-1016 Peak # 3 | A | 0.0531 | 0.0579 | 0.0571 | 0.0499 | 0.0365 | 0.0456 | 0.0426 | 0.0419 | 0.0398 |
| Aroclor-1016 Peak # 4 | A | 0.0366 | 0.0374 | 0.0375 | 0.0337 | 0.0259 | 0.0308 | 0.0286 | 0.0288 | 0.0269 |
| Aroclor-1016 Peak # 5 | A | 0.0338 | 0.0340 | 0.0328 | 0.0293 | 0.0222 | 0.0267 | 0.0254 | 0.0250 | 0.0241 |
| Aroclor-1260 Peak # 1 | A | 0.0704 | 0.0662 | 0.0660 | 0.0595 | 0.0429 | 0.0555 | 0.0507 | 0.0497 | 0.0470 |
| Aroclor-1260 Peak # 2 | A | 0.1147 | 0.1064 | 0.1061 | 0.0933 | 0.0696 | 0.0904 | 0.0806 | 0.0797 | 0.0739 |
| Aroclor-1260 Peak # 3 | A | 0.1258 | 0.1172 | 0.1179 | 0.1056 | 0.0789 | 0.1036 | 0.0934 | 0.0932 | 0.0871 |
| Aroclor-1260 Peak # 4 | A | 0.0700 | 0.0637 | 0.0649 | 0.0591 | 0.0445 | 0.0594 | 0.0533 | 0.0532 | 0.0495 |
| Aroclor-1260 Peak # 5 | A | 0.0595 | 0.0619 | 0.0649 | 0.0611 | 0.0466 | 0.0708 | 0.0553 | 0.0591 | 0.0516 |
| Decachlorobiphenyl (PCB) | A | 0.9142 | 0.8015 | 0.8643 | 0.8229 | 0.6274 | 0.8857 | 0.7715 | 0.7915 | 0.7135 |
| TCMX (PCB) | A | 1.0845 | 1.0647 | 1.0198 | 0.9264 | 0.7160 | 0.8690 | 0.8398 | 0.8327 | 0.8300 |
| Aroclor-1016 Peak # 1 | B | 0.0221 | 0.0209 | 0.0202 | 0.0192 | 0.0152 | 0.0186 | 0.0176 | 0.0173 | 0.0169 |
| Aroclor-1016 Peak # 2 | B | 0.0430 | 0.0424 | 0.0408 | 0.0388 | 0.0304 | 0.0375 | 0.0349 | 0.0343 | 0.0331 |
| Aroclor-1016 Peak # 3 | B | 0.0662 | 0.0577 | 0.0562 | 0.0519 | 0.0408 | 0.0505 | 0.0465 | 0.0457 | 0.0453 |
| Aroclor-1016 Peak # 4 | B | 0.0401 | 0.0372 | 0.0371 | 0.0352 | 0.0274 | 0.0341 | 0.0319 | 0.0315 | 0.0304 |
| Aroclor-1016 Peak # 5 | B | 0.0306 | 0.0299 | 0.0299 | 0.0282 | 0.0224 | 0.0280 | 0.0261 | 0.0259 | 0.0248 |
| Aroclor-1260 Peak # 1 | B | 0.0737 | 0.0676 | 0.0704 | 0.0662 | 0.0511 | 0.0672 | 0.0599 | 0.0611 | 0.0565 |
| Aroclor-1260 Peak # 2 | B | 0.0842 | 0.0749 | 0.0798 | 0.0725 | 0.0549 | 0.0724 | 0.0640 | 0.0646 | 0.0601 |
| Aroclor-1260 Peak # 3 | B | | 0.0502 | 0.0549 | 0.0506 | 0.0389 | 0.0525 | 0.0463 | 0.0470 | 0.0435 |
| Aroclor-1260 Peak # 4 | B | 0.0593 | 0.0552 | 0.0606 | 0.0576 | 0.0444 | 0.0604 | 0.0535 | 0.0546 | 0.0509 |
| Aroclor-1260 Peak # 5 | B | 0.0988 | 0.0859 | 0.0929 | 0.0848 | 0.0640 | 0.0907 | 0.0780 | 0.0815 | 0.0737 |
| Decachlorobiphenyl (PCB) | B | 1.5082 | 1.1928 | 1.2679 | 1.1251 | 0.8454 | 1.2138 | 1.0487 | 1.0752 | 0.9689 |
| TCMX (PCB) | B | 0.9732 | 0.9133 | 0.9291 | 0.8736 | 0.6948 | 0.8754 | 0.8552 | 0.8663 | 0.8640 |

ENTHALPY INITIAL CALIBRATION FOR 502501 PCBS Wipe: EPA 8082

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | 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 | 33 | 50.000 | **24** | 100.00 | 16 | 250.00 | 1 | 500.00 | **-23** | 750.00 | -8 | 1000.0 | -11 | 1500.0 | -15 |
| Aroclor-1016 Peak # 2 | A | 20.000 | 26 | 50.000 | 20 | 100.00 | 16 | 250.00 | 4 | 500.00 | **-21** | 750.00 | -5 | 1000.0 | -10 | 1500.0 | -13 |
| Aroclor-1016 Peak # 3 | A | 20.000 | 13 | 50.000 | **23** | 100.00 | **21** | 250.00 | 6 | 500.00 | **-23** | 750.00 | -3 | 1000.0 | -10 | 1500.0 | -11 |
| Aroclor-1016 Peak # 4 | A | 20.000 | 15 | 50.000 | 18 | 100.00 | 18 | 250.00 | 6 | 500.00 | -19 | 750.00 | -3 | 1000.0 | -10 | 1500.0 | -9 |
| Aroclor-1016 Peak # 5 | A | 20.000 | 20 | 50.000 | **21** | 100.00 | 17 | 250.00 | 4 | 500.00 | **-21** | 750.00 | -5 | 1000.0 | -10 | 1500.0 | -11 |
| Aroclor-1260 Peak # 1 | A | 20.000 | 25 | 50.000 | 17 | 100.00 | 17 | 250.00 | 5 | 500.00 | **-24** | 750.00 | -2 | 1000.0 | -10 | 1500.0 | -12 |
| Aroclor-1260 Peak # 2 | A | 20.000 | 27 | 50.000 | 17 | 100.00 | 17 | 250.00 | 3 | 500.00 | **-23** | 750.00 | 0 | 1000.0 | -11 | 1500.0 | -12 |
| Aroclor-1260 Peak # 3 | A | 20.000 | 23 | 50.000 | 14 | 100.00 | 15 | 250.00 | 3 | 500.00 | **-23** | 750.00 | 1 | 1000.0 | -9 | 1500.0 | -9 |
| Aroclor-1260 Peak # 4 | A | 20.000 | 22 | 50.000 | 11 | 100.00 | 13 | 250.00 | 3 | 500.00 | **-23** | 750.00 | 3 | 1000.0 | -7 | 1500.0 | -8 |
| Aroclor-1260 Peak # 5 | A | 20.000 | 1 | 50.000 | 5 | 100.00 | 10 | 250.00 | 4 | 500.00 | **-21** | 750.00 | 20 | 1000.0 | -6 | 1500.0 | 0 |
| Decachlorobiphenyl (PCB) | A | 1.6000 | 14 | 4.0000 | 0 | 8.0000 | 8 | 20.000 | 3 | 40.000 | **-21** | 60.000 | 11 | 80.000 | -3 | 120.00 | -1 |
| TCMX (PCB) | A | 1.6000 | 19 | 4.0000 | 17 | 8.0000 | 12 | 20.000 | 2 | 40.000 | **-21** | 60.000 | -4 | 80.000 | -8 | 120.00 | -8 |
| Aroclor-1016 Peak # 1 | B | 20.000 | 18 | 50.000 | 12 | 100.00 | 8 | 250.00 | 3 | 500.00 | -19 | 750.00 | 0 | 1000.0 | -6 | 1500.0 | -7 |
| Aroclor-1016 Peak # 2 | B | 20.000 | 16 | 50.000 | 14 | 100.00 | 10 | 250.00 | 4 | 500.00 | -18 | 750.00 | 1 | 1000.0 | -6 | 1500.0 | -8 |
| Aroclor-1016 Peak # 3 | B | 20.000 | 29 | 50.000 | 13 | 100.00 | 10 | 250.00 | 1 | 500.00 | -20 | 750.00 | -1 | 1000.0 | -9 | 1500.0 | -11 |
| Aroclor-1016 Peak # 4 | B | 20.000 | 18 | 50.000 | 10 | 100.00 | 9 | 250.00 | 4 | 500.00 | -19 | 750.00 | 1 | 1000.0 | -6 | 1500.0 | -7 |
| Aroclor-1016 Peak # 5 | B | 20.000 | 12 | 50.000 | 9 | 100.00 | 10 | 250.00 | 3 | 500.00 | -18 | 750.00 | 2 | 1000.0 | -5 | 1500.0 | -5 |
| Aroclor-1260 Peak # 1 | B | 20.000 | 16 | 50.000 | 6 | 100.00 | 10 | 250.00 | 4 | 500.00 | -20 | 750.00 | 5 | 1000.0 | -6 | 1500.0 | -4 |
| Aroclor-1260 Peak # 2 | B | 20.000 | 21 | 50.000 | 7 | 100.00 | 14 | 250.00 | 4 | 500.00 | **-21** | 750.00 | 4 | 1000.0 | -8 | 1500.0 | -7 |
| Aroclor-1260 Peak # 3 | B | | | 50.000 | 5 | 100.00 | 15 | 250.00 | 5 | 500.00 | -19 | 750.00 | 9 | 1000.0 | -4 | 1500.0 | -2 |
| Aroclor-1260 Peak # 4 | B | 20.000 | 8 | 50.000 | 0 | 100.00 | 10 | 250.00 | 4 | 500.00 | -20 | 750.00 | 9 | 1000.0 | -3 | 1500.0 | -1 |
| Aroclor-1260 Peak # 5 | B | 20.000 | 18 | 50.000 | 3 | 100.00 | 11 | 250.00 | 2 | 500.00 | **-23** | 750.00 | 9 | 1000.0 | -6 | 1500.0 | -2 |
| Decachlorobiphenyl (PCB) | B | 1.6000 | 32 | 4.0000 | 5 | 8.0000 | 11 | 20.000 | -1 | 40.000 | **-26** | 60.000 | 7 | 80.000 | -8 | 120.00 | -6 |
| TCMX (PCB) | B | 1.6000 | 12 | 4.0000 | 5 | 8.0000 | 7 | 20.000 | 0 | 40.000 | -20 | 60.000 | 0 | 80.000 | -2 | 120.00 | -1 |

ENTHALPY INITIAL CALIBRATION FOR 502501 PCBS Wipe: EPA 8082

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | X Axis: | R |

| Spiked Amounts / Drifts | Ch | L9 | %D |
|---|---|---|---|
| Aroclor-1016 Peak # 1 | A | 2000.0 | -17 |
| Aroclor-1016 Peak # 2 | A | 2000.0 | -16 |
| Aroclor-1016 Peak # 3 | A | 2000.0 | -16 |
| Aroclor-1016 Peak # 4 | A | 2000.0 | -15 |
| Aroclor-1016 Peak # 5 | A | 2000.0 | -14 |
| Aroclor-1260 Peak # 1 | A | 2000.0 | -17 |
| Aroclor-1260 Peak # 2 | A | 2000.0 | -18 |
| Aroclor-1260 Peak # 3 | A | 2000.0 | -15 |
| Aroclor-1260 Peak # 4 | A | 2000.0 | -14 |
| Aroclor-1260 Peak # 5 | A | 2000.0 | -13 |
| Decachlorobiphenyl (PCB) | A | 160.00 | -11 |
| TCMX (PCB) | A | 160.00 | -9 |
| Aroclor-1016 Peak # 1 | B | 2000.0 | -9 |
| Aroclor-1016 Peak # 2 | B | 2000.0 | -11 |
| Aroclor-1016 Peak # 3 | B | 2000.0 | -11 |
| Aroclor-1016 Peak # 4 | B | 2000.0 | -10 |
| Aroclor-1016 Peak # 5 | B | 2000.0 | -9 |
| Aroclor-1260 Peak # 1 | B | 2000.0 | -11 |
| Aroclor-1260 Peak # 2 | B | 2000.0 | -14 |
| Aroclor-1260 Peak # 3 | B | 2000.0 | -9 |
| Aroclor-1260 Peak # 4 | B | 2000.0 | -8 |
| Aroclor-1260 Peak # 5 | B | 2000.0 | -12 |
| Decachlorobiphenyl (PCB) | B | 160.00 | -15 |
| TCMX (PCB) | B | 160.00 | -1 |

TRN 02/20/24 : manually integrated for coeluting peak ,negative/tailing peak, automatic draw baseline for one/both columns for multiple levels

**Analyst:** TRN 02/20/24

**Reviewer:** LW 02/21/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 502501 PCBS Wipe

EPA 8082

| | | | |
|---|---|---|---|
| Inst: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calnum: | 464074251001 | Cal Date: | 20-FEB-2024 |

- ICV 464074251027 (gc07_0220240027 20-FEB-2024) stds: S19897

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | 500.0 | 514.5 | ug/L | 3 | 15 | |
| Aroclor-1260 | A | 500.0 | 497.7 | ug/L | 0 | 15 | |
| Aroclor-1016 | B | 500.0 | 521.0 | ug/L | 4 | 15 | |
| Aroclor-1260 | B | 500.0 | 465.8 | ug/L | -7 | 15 | |

-

**Analyst:** TRN 02/20/24 **Reviewer:** LW 02/21/24

ENTHALPY CONTINUING CALIBRATION FOR 502501 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Run Name: | PCB CCV | IDF: | 1.0 |
| Seqnum: | 464078296014 | File: | gc07_0223240014 | Time: | 23-FEB-2024 12:11 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |

Standards: S19824

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | | | 500.0 | 525.4 | ug/L | 5 | 15 | 0.0000 | |
| Aroclor-1260 | A | | | 500.0 | 499.3 | ug/L | 0 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | A | 0.7992 | 0.4705 | 40.00 | 23.55 | pg/uL | **-41** | 15 | 0.0000 | c- |
| TCMX (PCB) | A | 0.9092 | 0.5343 | 40.00 | 23.51 | pg/uL | **-41** | 15 | 0.0000 | c- |
| Aroclor-1016 | B | | | 500.0 | 548.0 | ug/L | 10 | 15 | 0.0000 | |
| Aroclor-1260 | B | | | 500.0 | 473.9 | ug/L | -5 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | B | 1.1385 | 0.5755 | 40.00 | 20.22 | pg/uL | **-49** | 15 | 0.0000 | c- |
| TCMX (PCB) | B | 0.8717 | 0.4861 | 40.00 | 22.30 | pg/uL | **-44** | 15 | 0.0000 | c- |

| ISTD (ICAL gc07_0220240018) | Ch | ICAL Abund | Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4889123 | 6983339 | 42.83 |
| 1-bromo-2-nitrobenzene (PCB) | A | 24323130 | 34889734 | 43.44 |

02/23/24 : 500 PPB PCB CCV

MES 02/23/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

MES 02/23/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

*-=low bias c=CCV*

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**Analyst:** MES 02/23/24 *

**Reviewer:** LW 02/23/24

ENTHALPY CONTINUING CALIBRATION FOR 502501 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | | | IDF: | 1.0 |
| Seqnum: | 464080159003 | File: | gc07_0224240003 | Time: | 24-FEB-2024 16:17 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |

Standards: S19824

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | | | 500.0 | 497.8 | ug/L | 0 | 15 | 0.0000 | |
| Aroclor-1260 | A | | | 500.0 | 444.5 | ug/L | -11 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | A | 0.7992 | 0.4075 | 40.00 | 20.40 | pg/uL | **-49** | 15 | 0.0000 | c- |
| TCMX (PCB) | A | 0.9092 | 0.4987 | 40.00 | 21.94 | pg/uL | **-45** | 15 | 0.0000 | c- |
| Aroclor-1016 | B | | | 500.0 | 497.8 | ug/L | 0 | 15 | 0.0000 | |
| Aroclor-1260 | B | | | 500.0 | 425.2 | ug/L | -15 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | B | 1.1385 | 0.5009 | 40.00 | 17.60 | pg/uL | **-56** | 15 | 0.0000 | c- |
| TCMX (PCB) | B | 0.8717 | 0.4702 | 40.00 | 21.58 | pg/uL | **-46** | 15 | 0.0000 | c- |

| ISTD (ICAL gc07_0220240018) | Ch | ICAL Abund | Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4889123 | 8609201 | 76.09 |
| 1-bromo-2-nitrobenzene (PCB) | A | 24323130 | 45413329 | 86.71 |

02/24/24 : 500 PPB PCB CCV

TRN 02/24/24 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

TRN 02/24/24 [Aroclor-1260 B]: Corrected baseline noise or negative peak for Ch. B.

*-=low bias c=CCV*

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**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

Enthalpy Internal Standard Summary for Sequence 464078296

| | | | |
|---|---|---|---|
| Date: | 02/23/24 | Reference: | gc07_0220240018 |
| Sequence: | SVOA-GC07 gc07_022324 | Analyzed: | 02/20/24 14:06 |

| # | Type | Sample ID | 1BR2NITROBZPCB B | 1BR2NITROBZPCB A |
|---|---|---|---|---|
| | | ICAL STD | 4889123 | 24323130 |
| | | LOWER LIMIT | 2444561 | 12161565 |
| | | UPPER LIMIT | 9778246 | 48646261 |
| | | | | |
| 008 | CCV | | 3847407 | 20335592 |
| 010 | CCV | | 2893300 | 15933662 |
| 014 | CCV | PCB CCV | 6983339 | 34889734 |

Enthalpy Internal Standard Summary for Sequence 464078296

Date: 02/23/24 Reference: gc07_0223240014
Sequence: SVOA-GC07 gc07_022324 Analyzed: 02/23/24 12:11

| # | Type | Sample ID | 1BR2NITROBZPCB B | 1BR2NITROBZPCB A |
|---|---|---|---|---|
| | | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD | 6983339 | 34889734 |
| | | LOWER LIMIT | 3491669 | 17444867 |
| | | UPPER LIMIT | 13966677 | 69779468 |
| 023 | BLANK | QC1130128 | 9177448 | 46015655 |
| 024 | BS | QC1130129 | 9649157 | 47860197 |
| 025 | BSD | QC1130130 | 10510775 | 49905214 |
| 026 | SAMPLE | 502501-001 | 9695979 | 46419054 |
| 027 | BLANK | QC1131196 | 8416203 | 33651478 |
| 028 | BS | QC1131197 | 9177268 | 37108973 |
| 029 | BSD | QC1131198 | 8259569 | 38524437 |
| 030 | SAMPLE | 502953-002 | 8209715 | 37639861 |
| 031 | SAMPLE | 502953-005 | 11017535 | 49152469 |
| 032 | SAMPLE | 503051-002 | 9820377 | 42851209 |
| 033 | SAMPLE | 503051-004 | 10326260 | 45535389 |
| 034 | SAMPLE | 502501-002 | 10189875 | 59572009 |
| 035 | SAMPLE | 502501-004 | 9295687 | 44075988 |
| 036 | SAMPLE | 502501-006 | 10327959 | 48949471 |
| 037 | SAMPLE | 502501-008 | 7835646 | 38793973 |
| 038 | SAMPLE | 502501-010 | 9345708 | 45032769 |
| 039 | SAMPLE | 502501-012 | 10049450 | 55260111 |
| 040 | SAMPLE | 502501-014 | 10184953 | 48612002 |
| 041 | SAMPLE | 502501-017 | 8919557 | 43196637 |
| 042 | SAMPLE | 502501-020 | 9564203 | 46572354 |
| 043 | SAMPLE | 502501-022 | 9569535 | 46756663 |
| 044 | SAMPLE | 502501-024 | 9768864 | 48078683 |

Enthalpy Internal Standard Summary for Sequence 464078296

Date: 02/23/24 Reference: gc07_0223240014
Sequence: SVOA-GC07 gc07_022324 Analyzed: 02/23/24 12:11

| # | Type | Sample ID | 1BR2NITROBZPCB B RT | 1BR2NITROBZPCB A RT |
|---|---|---|---|---|
| | | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD | 3.94 | 3.69 |
| | | LOWER LIMIT | 3.74 | 3.49 |
| | | UPPER LIMIT | 4.14 | 3.89 |
| 023 | BLANK | QC1130128 | 3.94 | 3.69 |
| 024 | BS | QC1130129 | 3.94 | 3.69 |
| 025 | BSD | QC1130130 | 3.94 | 3.69 |
| 026 | SAMPLE | 502501-001 | 3.94 | 3.69 |
| 027 | BLANK | QC1131196 | 3.94 | 3.69 |
| 028 | BS | QC1131197 | 3.94 | 3.69 |
| 029 | BSD | QC1131198 | 3.94 | 3.69 |
| 030 | SAMPLE | 502953-002 | 3.94 | 3.69 |
| 031 | SAMPLE | 502953-005 | 3.94 | 3.69 |
| 032 | SAMPLE | 503051-002 | 3.94 | 3.69 |
| 033 | SAMPLE | 503051-004 | 3.94 | 3.69 |
| 034 | SAMPLE | 502501-002 | 3.94 | 3.69 |
| 035 | SAMPLE | 502501-004 | 3.94 | 3.69 |
| 036 | SAMPLE | 502501-006 | 3.94 | 3.69 |
| 037 | SAMPLE | 502501-008 | 3.94 | 3.69 |
| 038 | SAMPLE | 502501-010 | 3.94 | 3.69 |
| 039 | SAMPLE | 502501-012 | 3.94 | 3.69 |
| 040 | SAMPLE | 502501-014 | 3.94 | 3.69 |
| 041 | SAMPLE | 502501-017 | 3.94 | 3.69 |
| 042 | SAMPLE | 502501-020 | 3.94 | 3.69 |
| 043 | SAMPLE | 502501-022 | 3.94 | 3.69 |
| 044 | SAMPLE | 502501-024 | 3.94 | 3.69 |

Enthalpy Internal Standard Summary for Sequence 464080159

| | | | |
|---|---|---|---|
| Date: | 02/24/24 | Reference: | gc07_0220240018 |
| Sequence: | SVOA-GC07 gc07_022424 | Analyzed: | 02/20/24 14:06 |

| # | Type | Sample ID | 1BR2NITROBZPCB B | 1BR2NITROBZPCB A |
|---|---|---|---|---|
| | | ICAL STD | 4889123 | 24323130 |
| | | LOWER LIMIT | 2444561 | 12161565 |
| | | UPPER LIMIT | 9778246 | 48646261 |
| | | | | |
| 003 | CCV | | 8609201 | 45413329 |

Enthalpy Internal Standard Summary for Sequence 464080159

| | | | |
|---|---|---|---|
| Date: | 02/24/24 | Reference: | gc07_0224240003 |
| Sequence: | SVOA-GC07 gc07_022424 | Analyzed: | 02/24/24 16:17 |

| # | Type | Sample ID | 1BR2NITROBZPCB B | 1BR2NITROBZPCB A |
|---|---|---|---|---|
| | | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD | 8609201 | 45413329 |
| | | LOWER LIMIT | 4304600 | 22706664 |
| | | UPPER LIMIT | 17218401 | 90826657 |
| 008 | BS | QC1130129 | 10718453 | 52182318 |
| 009 | BSD | QC1130130 | 11013906 | 53714737 |

Enthalpy Internal Standard Summary for Sequence 464080159

| | | | |
|---|---|---|---|
| Date: | 02/24/24 | Reference: | gc07_0224240003 |
| Sequence: | SVOA-GC07 gc07_022424 | Analyzed: | 02/24/24 16:17 |

| # | Type | Sample ID | 1BR2NITROBZPCB B RT | 1BR2NITROBZPCB A RT |
|---|---|---|---|---|
| | | CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD | 3.90 | 3.64 |
| | | LOWER LIMIT | 3.70 | 3.44 |
| | | UPPER LIMIT | 4.10 | 3.84 |
| | | | | |
| 008 | BS | QC1130129 | 3.90 | 3.64 |
| 009 | BSD | QC1130130 | 3.90 | 3.64 |

Enthalpy Sequence Summary for Sequence 464074251

Instrument: SVOA-GC07 Begun: 02/20/24 09:45
Method: EPA 8081A, EPA 8082

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used |
|---|---|---|---|---|---|---|---|---|
| 003 | gc07_0220240003 | PEM | | | | 02/20/24 09:45 | 1.0 | 1 |
| 005 | gc07_0220240005 | ICAL | ICAL-1 | | | 02/20/24 10:20 | 1.0 | 2 |
| 006 | gc07_0220240006 | ICAL | ICAL-2 | | | 02/20/24 10:37 | 1.0 | 3 |
| 007 | gc07_0220240007 | ICAL | ICAL-3 | | | 02/20/24 10:54 | 1.0 | 4 |
| 008 | gc07_0220240008 | ICAL | ICAL-4 | | | 02/20/24 11:12 | 1.0 | 5 |
| 009 | gc07_0220240009 | ICAL | ICAL-5 | | | 02/20/24 11:29 | 1.0 | 6 |
| 010 | gc07_0220240010 | ICAL | ICAL-6 | | | 02/20/24 11:47 | 1.0 | 7 |
| 011 | gc07_0220240011 | ICAL | ICAL-7 | | | 02/20/24 12:04 | 1.0 | 8 |
| 012 | gc07_0220240012 | ICAL | ICAL-8 | | | 02/20/24 12:22 | 1.0 | 9 |
| 014 | gc07_0220240014 | XICV | | | | 02/20/24 12:57 | 1.0 | 10 |
| 016 | gc07_0220240016 | ICAL | | | | 02/20/24 13:31 | 1.0 | 11 |
| 017 | gc07_0220240017 | ICAL | | | | 02/20/24 13:49 | 1.0 | 12 |
| 018 | gc07_0220240018 | ICAL | | | | 02/20/24 14:06 | 1.0 | 13 |
| 019 | gc07_0220240019 | ICAL | | | | 02/20/24 14:24 | 1.0 | 14 |
| 020 | gc07_0220240020 | ICAL | | | | 02/20/24 14:41 | 1.0 | 15 |
| 021 | gc07_0220240021 | ICAL | | | | 02/20/24 14:59 | 1.0 | 16 |
| 022 | gc07_0220240022 | ICAL | | | | 02/20/24 15:16 | 1.0 | 17 |
| 023 | gc07_0220240023 | ICAL | | | | 02/20/24 15:33 | 1.0 | 18 |
| 024 | gc07_0220240024 | ICAL | | | | 02/20/24 15:51 | 1.0 | 19 |
| 025 | gc07_0220240025 | ICAL | | | | 02/20/24 16:08 | 1.0 | 20 |
| 027 | gc07_0220240027 | ICV | | | | 02/20/24 16:43 | 1.0 | 21 |
| 031 | gc07_0220240031 | ICV | | | | 02/20/24 21:18 | 1.0 | 10 |
| 049 | gc07_0220240049 | ICAL | | | | 02/20/24 23:08 | 1.0 | 2 |
| 050 | gc07_0220240050 | ICAL | | | | 02/20/24 23:26 | 1.0 | 3 |
| 051 | gc07_0220240051 | ICAL | | | | 02/20/24 23:43 | 1.0 | 4 |
| 052 | gc07_0220240052 | ICAL | | | | 02/21/24 00:00 | 1.0 | 5 |
| 053 | gc07_0220240053 | ICAL | | | | 02/21/24 00:18 | 1.0 | 6 |
| 054 | gc07_0220240054 | ICAL | | | | 02/21/24 00:35 | 1.0 | 7 |
| 055 | gc07_0220240055 | ICAL | | | | 02/21/24 00:53 | 1.0 | 8 |
| 056 | gc07_0220240056 | ICAL | | | | 02/21/24 01:10 | 1.0 | 9 |
| 058 | gc07_0220240058 | ICV | | | | 02/21/24 01:45 | 1.0 | 10 |

TRN 02/21/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 3 through 58.

*Standards Used:*
*1=S19911 2=S20051 3=S20052 4=S20053 5=S20062 6=S20055 7=S20056 8=S20057 9=S20058 10=S19881 11=S19328 12=S19330 13=S19332 14=S19333 15=S19335 16=S19340 17=S19336 18=S19337 19=S19338 20=S19339 21=S19897*

Enthalpy Sequence Summary for Sequence 464078296

Instrument: SVOA-GC07 Begun: 02/23/24 08:39
Method: EPA 8081A, EPA 8082

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 007 | gc07_0223240007 | PEM | | | | 02/23/24 08:39 | 1.0 | 1 | |
| 008 | gc07_0223240008 | CCV | | | | 02/23/24 08:56 | 1.0 | 2 | |
| 009 | gc07_0223240009 | CCV | | | | 02/23/24 09:14 | 1.0 | 3 | ac |
| 010 | gc07_0223240010 | CCV | | | | 02/23/24 09:31 | 1.0 | 2 | |
| 013 | gc07_0223240013 | PEM | PEM | | | 02/23/24 11:53 | 1.0 | 1 | |
| 014 | gc07_0223240014 | CCV | PCB CCV | | | 02/23/24 12:11 | 1.0 | 2 | |
| 015 | gc07_0223240015 | CCV | PEST CCV | | | 02/23/24 12:28 | 1.0 | 3 | |
| 023 | gc07_0223240023 | BLANK | QC1130128 | Wipe | 333612 | 02/23/24 14:49 | 1.0 | 4 | |
| 024 | gc07_0223240024 | BS | QC1130129 | Wipe | 333612 | 02/23/24 15:06 | 1.0 | 4 | |
| 025 | gc07_0223240025 | BSD | QC1130130 | Wipe | 333612 | 02/23/24 15:24 | 1.0 | 4 | |
| 026 | gc07_0223240026 | SAMPLE | 502501-001 | Wipe | 333612 | 02/23/24 15:41 | 1.0 | 4 | |
| 027 | gc07_0223240027 | BLANK | QC1131196 | Air | 333828 | 02/23/24 15:58 | 1.0 | 4 | |
| 028 | gc07_0223240028 | BS | QC1131197 | Air | 333828 | 02/23/24 16:16 | 1.0 | 4 | |
| 029 | gc07_0223240029 | BSD | QC1131198 | Air | 333828 | 02/23/24 16:33 | 1.0 | 4 | |
| 030 | gc07_0223240030 | SAMPLE | 502953-002 | Air | 333828 | 02/23/24 16:51 | 1.0 | 4 | |
| 031 | gc07_0223240031 | SAMPLE | 502953-005 | Air | 333828 | 02/23/24 17:08 | 1.0 | 4 | |
| 032 | gc07_0223240032 | SAMPLE | 503051-002 | Air | 333828 | 02/23/24 17:26 | 1.0 | 4 | |
| 033 | gc07_0223240033 | SAMPLE | 503051-004 | Air | 333828 | 02/23/24 17:43 | 1.0 | 4 | |
| 034 | gc07_0223240034 | SAMPLE | 502501-002 | Wipe | 333612 | 02/23/24 18:00 | 1.0 | 4 | |
| 035 | gc07_0223240035 | SAMPLE | 502501-004 | Wipe | 333612 | 02/23/24 18:18 | 1.0 | 4 | |
| 036 | gc07_0223240036 | SAMPLE | 502501-006 | Wipe | 333612 | 02/23/24 18:35 | 1.0 | 4 | |
| 037 | gc07_0223240037 | SAMPLE | 502501-008 | Wipe | 333612 | 02/23/24 18:53 | 1.0 | 4 | |
| 038 | gc07_0223240038 | SAMPLE | 502501-010 | Wipe | 333612 | 02/23/24 19:10 | 1.0 | 4 | |
| 039 | gc07_0223240039 | SAMPLE | 502501-012 | Wipe | 333612 | 02/23/24 19:27 | 1.0 | 4 | |
| 040 | gc07_0223240040 | SAMPLE | 502501-014 | Wipe | 333612 | 02/23/24 19:45 | 1.0 | 4 | |
| 041 | gc07_0223240041 | SAMPLE | 502501-017 | Wipe | 333612 | 02/23/24 20:02 | 1.0 | 4 | |
| 042 | gc07_0223240042 | SAMPLE | 502501-020 | Wipe | 333612 | 02/23/24 20:20 | 1.0 | 4 | |
| 043 | gc07_0223240043 | SAMPLE | 502501-022 | Wipe | 333612 | 02/23/24 20:37 | 1.0 | 4 | |
| 044 | gc07_0223240044 | SAMPLE | 502501-024 | Wipe | 333612 | 02/23/24 20:55 | 1.0 | 4 | |

TRN 02/24/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 13 through 44.

*ac=average CCV drift out*

*Standards Used:*
*1=S19911 2=S19824 3=S19828 4=S19190*

Enthalpy Sequence Summary for Sequence 464080159

Instrument: SVOA-GC07 Begun: 02/24/24 15:59
Method: EPA 8081A, EPA 8082

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 002 | gc07_0224240002 | PEM | | | | 02/24/24 15:59 | 1.0 | 1 | |
| 003 | gc07_0224240003 | CCV | | | | 02/24/24 16:17 | 1.0 | 2 | |
| 007 | gc07_0224240007 | CCV | | | | 02/24/24 16:57 | 1.0 | 3 | ac |
| 008 | gc07_0224240008 | BS | QC1130129 | Wipe | 333612 | 02/24/24 17:14 | 1.0 | 4 | |
| 009 | gc07_0224240009 | BSD | QC1130130 | Wipe | 333612 | 02/24/24 17:32 | 1.0 | 4 | |
| 010 | gc07_0224240010 | CCV | | | | 02/24/24 17:49 | 1.0 | 3 | |
| 013 | gc07_0224240013 | MS | QC1130361 | Soil | 333692 | 02/24/24 18:27 | 1.0 | 4 | |
| 014 | gc07_0224240014 | MSD | QC1130362 | Soil | 333692 | 02/24/24 18:44 | 1.0 | 4 | |
| 020 | gc07_0224240020 | SAMPLE | 502623-226 | Soil | 333690 | 02/24/24 20:29 | 1.0 | 4 | |
| 022 | gc07_0224240022 | BLANK | QC1131504 | Soil | 333918 | 02/24/24 21:21 | 1.0 | 4 | |
| 023 | gc07_0224240023 | LCS | QC1131505 | Soil | 333918 | 02/24/24 21:39 | 1.0 | 4 | |
| 024 | gc07_0224240024 | MS | QC1131506 | Soil | 333918 | 02/24/24 21:56 | 1.0 | 4 | |
| 026 | gc07_0224240026 | MSD | QC1131507 | Soil | 333918 | 02/24/24 22:31 | 1.0 | 4 | |
| 027 | gc07_0224240027 | MSS | 502661-001 | Soil | 333918 | 02/24/24 22:49 | 1.0 | 4 | |
| 028 | gc07_0224240028 | MS | QC1131066 | Soil | 333795 | 02/24/24 23:06 | 10.0 | 4 | |
| 029 | gc07_0224240029 | MSD | QC1131067 | Soil | 333795 | 02/24/24 23:23 | 10.0 | 4 | |
| 030 | gc07_0224240030 | SAMPLE | 502067-007 | Soil | 333795 | 02/24/24 23:41 | 10.0 | 4 | |
| 031 | gc07_0224240031 | SAMPLE | 502067-008 | Soil | 333795 | 02/24/24 23:58 | 10.0 | 4 | |
| 032 | gc07_0224240032 | SAMPLE | 502067-009 | Soil | 333795 | 02/25/24 00:16 | 10.0 | 4 | |
| 033 | gc07_0224240033 | SAMPLE | 502067-024 | Soil | 333795 | 02/25/24 00:33 | 10.0 | 4 | |
| 034 | gc07_0224240034 | MSS | 502265-005 | Soil | 333795 | 02/25/24 00:50 | 10.0 | 4 | |
| 035 | gc07_0224240035 | SAMPLE | 502265-007 | Soil | 333795 | 02/25/24 01:08 | 10.0 | 4 | |
| 036 | gc07_0224240036 | SAMPLE | 502265-008 | Soil | 333795 | 02/25/24 01:25 | 10.0 | 4 | |
| 037 | gc07_0224240037 | SAMPLE | 502265-009 | Soil | 333795 | 02/25/24 01:43 | 10.0 | 4 | |

TRN 02/24/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 9.

MES 02/26/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 10 through 37.

*ac=average CCV drift out*

*Standards Used:*
*1=S19911 2=S19824 3=S19828 4=S19190*

SAMPLE PREPARATION SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Batch #: | 333612 | Method: | 3546 | Analysis: | 8080 |
| Started By: | JAM | Prep Date: | 21-FEB-2024 16:07 | Finished By: | JAM |

| Sample | Matrix | Initial | Final | Prep DF | pH | Spike S19975 | Spike S19822 | Analysis |
|---|---|---|---|---|---|---|---|---|
| 502501-001 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-002 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-004 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-006 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-008 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-010 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-012 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-014 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-017 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-020 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-022 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| 502501-024 | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | PCB-MICROWAVE |
| QC1130128 BLANK | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | | 8080 |
| QC1130129 BS | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | .5 mL | 8080 |
| QC1130130 BSD | Wipe | 1 dm2 | 10 mL | 10.0 | | .5 mL | .5 mL | 8080 |

**Analyst:** TRN 02/24/24

**Reviewer:** LW 02/26/24

# 8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 2/21/24 16:07 Initials: JAM

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

Hotblock Temp (Obs/Corr), °C: N/A /____

Balance ID: N/A Microdipenser ID: Syringe

Extraction Start Time*: 16:22 Extraction end time*: 17:07

* For hot block, microwave, shaker table

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 333612

| Sample ID | Cont. ID | Sample Initial Amount Circle one: ~~mL~~ ~~g~~ | pH is 5-9? | Extraction Equipment ID (Sox, Sonic., Shaker) | Turbo Vap ID | Extract, Final Volume (mL) | Date/Time (if diff from above) | Comment |
|---|---|---|---|---|---|---|---|---|
| Blank | | 1 S | | M1003-9 | TV09 | 10.0 | | |
| LCS | | | | -10 | | 10.0 | | |
| LCSD | | | | -11 | | 10.0 | | |
| 502501 - 1 | A | | | -12 | | 10.0 | | |
| -2 | | | | -13 | | 10.0 | | |
| -4 | | | | -14 | ↓ | 10.0 | | |
| -6 | | | | -15 | TV08 | 10.0 | | |
| -8 | | | | -16 | | 10.0 | | |
| -10 | | | | -17 | | 10.0 | | |
| -12 | | | | -18 | | 10.0 | | |
| -14 | | | | -19 | | 10.0 | | |
| -17 | | | | -20 | ↓ | 10.0 | | |
| -20 | | | | -21 | TV07 | 10.0 | | |
| -22 | | | | -22 | | 10.0 | | |
| ↓ -24 | ↓ | ↓ | | ↓ -23 | ↓ | 10.0 | | |

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: EH753-US

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: 225342

Baked Sand Lot: N/A

Surrogate ID: 519975 B Volume: 500 µL

Pest LCS Spike ID: ____ Volume: ____ µL

PCB LCS Spike ID: 519822 C Volume: 500 µL

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

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

# 8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 2/21/24 16:07 Initials: JAM

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

Hotblock Temp (Obs/Corr), °C: N/A /____

Balance ID: N/A Microdipenser ID: Syringe

Extraction Start Time*: 16:22 Extraction end time*: 17:07

* For hot block, microwave, shaker table

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 333612

| Sample ID | Cont. ID | Sample Initial Amount Circle one: ~~mL~~ ~~g~~ 1m 2/21 | pH is 5-9? | Extraction Equipment ID (Sox, Sonic., Shaker) | Turbo Vap ID | Extract, Final Volume (mL) | Date/Time (if diff from above) | Comment |
|---|---|---|---|---|---|---|---|---|
| Blank | | 18 sm | | MK03-9 | TV09 | 10.0 | | 1 dm² SRM |
| LCS | | 1dm² | | -10 | | 10.0 | | |
| LCSD | | | | -11 | | 10.0 | | |
| 502501-1 | A | | | -12 | | 10.0 | | |
| -2 | | | | -13 | | 10.0 | | |
| -4 | | | | -14 | | 10.0 | | |
| -6 | | | | -15 | TV08 | 10.0 | | |
| -8 | | | | -16 | | 10.0 | | |
| -10 | | | | -17 | | 10.0 | | |
| -12 | | | | -18 | | 10.0 | | |
| -14 | | | | -19 | | 10.0 | | |
| -17 | | | | -20 | | 10.0 | | |
| -20 | | | | -21 | TV07 | 10.0 | | |
| -22 | | | | -22 | | 10.0 | | |
| -24 | | | | -23 | | 10.0 | | |

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: EH753-US

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: 225342

Baked Sand Lot: N/A

Surrogate ID: 519975 B Volume: 500 µL

Pest LCS Spike ID: ____ Volume: ____ µL

PCB LCS Spike ID: 519822 C Volume: 500 µL

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

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

## REPORTING SUMMARY FOR 502501 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 502501-001 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 15:41 |
| 502501-001 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 15:41 |
| | | | | |
| 502501-002 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 18:00 |
| 502501-002 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 18:00 |
| | | | | |
| 502501-004 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 18:18 |

## REPORTING SUMMARY FOR 502501 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 502501-004 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 18:18 |
| 502501-004 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 18:18 |
| | | | | |
| 502501-006 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 18:35 |
| 502501-006 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 18:35 |
| | | | | |
| 502501-008 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 18:53 |
| 502501-008 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 18:53 |
| | | | | |
| 502501-010 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 19:10 |

## REPORTING SUMMARY FOR 502501 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 502501-010 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 19:10 |
| 502501-010 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 19:10 |
| | | | | |
| 502501-012 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 19:27 |
| 502501-012 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 19:27 |
| | | | | |
| 502501-014 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 19:45 |
| 502501-014 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 19:45 |
| | | | | |
| 502501-017 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 20:02 |

## REPORTING SUMMARY FOR 502501 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 502501-017 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 20:02 |
| 502501-017 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 20:02 |
| | | | | |
| 502501-020 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 20:20 |
| 502501-020 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 20:20 |
| | | | | |
| 502501-022 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 20:37 |
| 502501-022 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 20:37 |
| | | | | |

## REPORTING SUMMARY FOR 502501 PCBS Wipe

| Sample ID | Analyte | Inst ID | Ch | Date & Time |
|---|---|---|---|---|
| 502501-024 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 20:55 |
| 502501-024 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 20:55 |
| | | | | |
| QC1130128 | Aroclor-1016 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1221 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1232 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1242 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1248 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1254 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1260 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1262 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Aroclor-1268 | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | TCMX (PCB) | SVOA-GC07 | B | 02/23/24 14:49 |
| QC1130128 | Decachlorobiphenyl (PCB) | SVOA-GC07 | B | 02/23/24 14:49 |
| | | | | |
| QC1130129 | Aroclor-1016 | SVOA-GC07 | A | 02/24/24 17:14 |
| QC1130129 | Aroclor-1260 | SVOA-GC07 | A | 02/24/24 17:14 |
| QC1130129 | TCMX (PCB) | SVOA-GC07 | A | 02/24/24 17:14 |
| QC1130129 | Decachlorobiphenyl (PCB) | SVOA-GC07 | A | 02/24/24 17:14 |
| | | | | |
| QC1130130 | Aroclor-1016 | SVOA-GC07 | A | 02/24/24 17:32 |
| QC1130130 | Aroclor-1260 | SVOA-GC07 | A | 02/24/24 17:32 |
| QC1130130 | TCMX (PCB) | SVOA-GC07 | A | 02/24/24 17:32 |
| QC1130130 | Decachlorobiphenyl (PCB) | SVOA-GC07 | A | 02/24/24 17:32 |

**Sample Raw Data**

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-001 | Client ID: | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA |
| Seqnum: | 464078296026 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240026 | Batch: | 333612 | Time: | 23-FEB-2024 15:41 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 77.23 | ug/L | ~~0.77~~ FP | 3.6 | 129% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 74.54 | ug/L | 0.75 | 0.74 | 1% | | | |
| Aroclor-1016 Peak # 2 | B | 80.57 | ug/L | 0.81 | 0.22 | 114% | | | |
| Aroclor-1016 Peak # 3 | B | 149.9 | ug/L | 1.50 | 3.90 | 89% | | | |
| Aroclor-1016 Peak # 4 | B | 72.19 | ug/L | 0.72 | 4.82 | 148% | | | |
| Aroclor-1016 Peak # 5 | B | 8.989 | ug/L | 0.09 | 8.11 | 196% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 180.7 | ug/L | ~~1.8~~ FP | 0.85 | 72% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 22.86 | ug/L | 0.23 | 2.49 | 166% | | | |
| Aroclor-1260 Peak # 2 | B | 15.98 | ug/L | 0.16 | 0.03 | 143% | | | |
| Aroclor-1260 Peak # 3 | B | 176.6 | ug/L | 1.77 | 0.18 | 163% | | | |
| Aroclor-1260 Peak # 4 | B | 603.6 | ug/L | 6.04 | 1.49 | 121% | | | |
| Aroclor-1260 Peak # 5 | B | 84.63 | ug/L | 0.85 | 0.05 | 179% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 25.47 | pg/uL | 0.5000 | 0.2547 | 51 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 22.83 | pg/uL | 0.5000 | 0.2283 | 46 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9695979 | 38.84 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 46419054 | 33.05 |

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

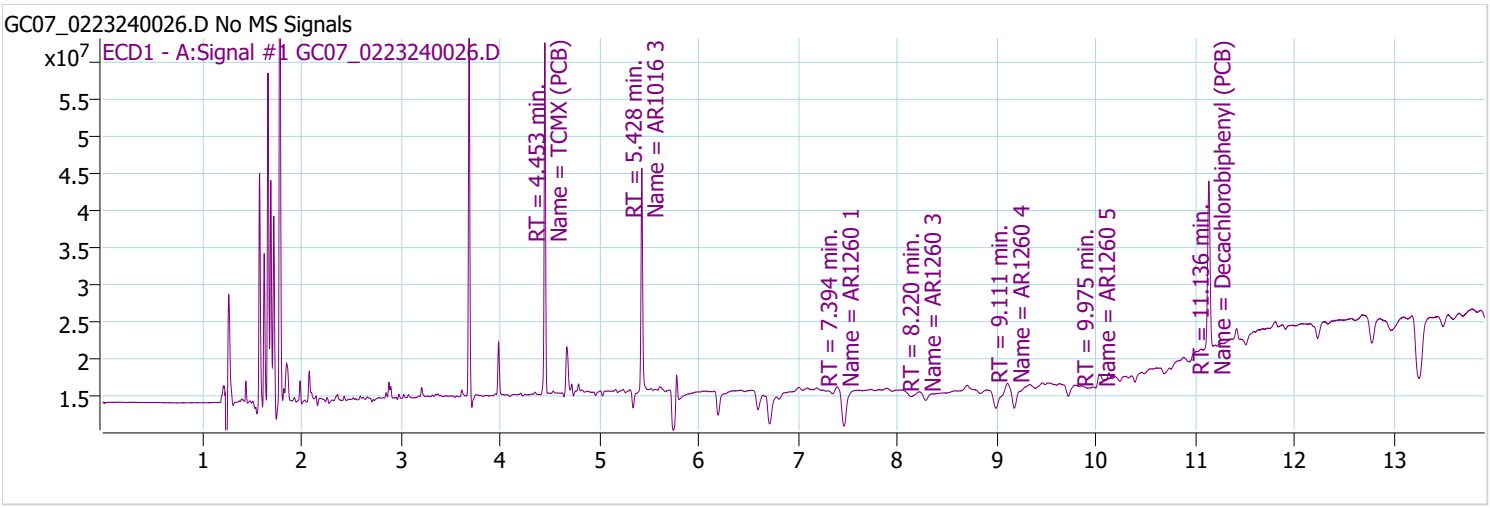
| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

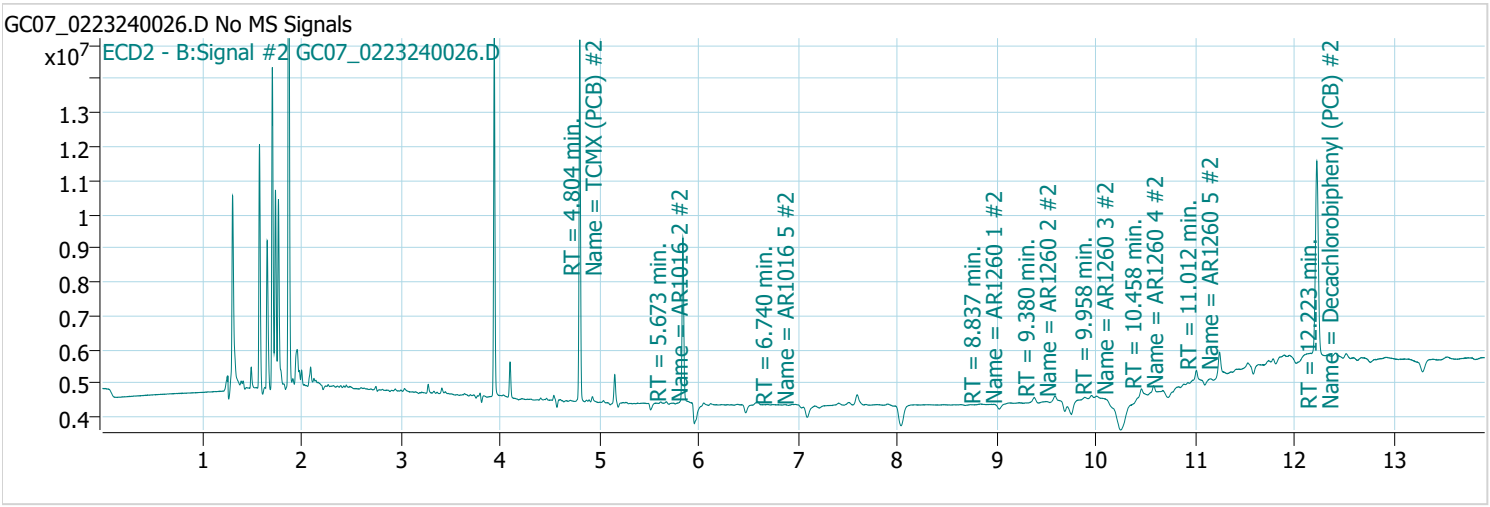
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240026.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 3:41:30 PM |
| Sample Name | 502501-001, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 4 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML//SOX |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



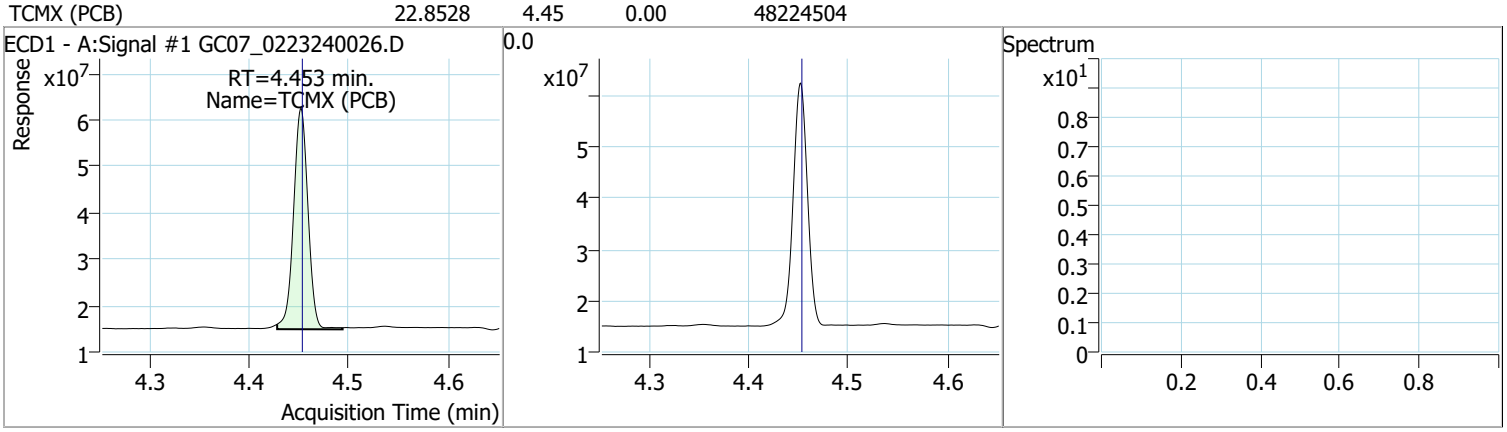




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 46419053.556 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 9695979.073 | 20.0000 | ng/ml | 0.001 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.453 | 0.0 | 48224504.349 | 22.8528 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 114.26% | | |
| S TCMX (PCB) #2 | 4.804 | 0.0 | 10762048.575 | 25.4674 | ng/ml | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 127.34% | | |
| S Decachlorobiphenyl (PCB) | 11.136 | 0.0 | 41015820.541 | 22.1131 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 110.57% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.223 | 0.0 | 12601675.464 | 22.8324 | ng/ml | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 114.16% | | |
| **Target Compounds** | | | | | | QValue |

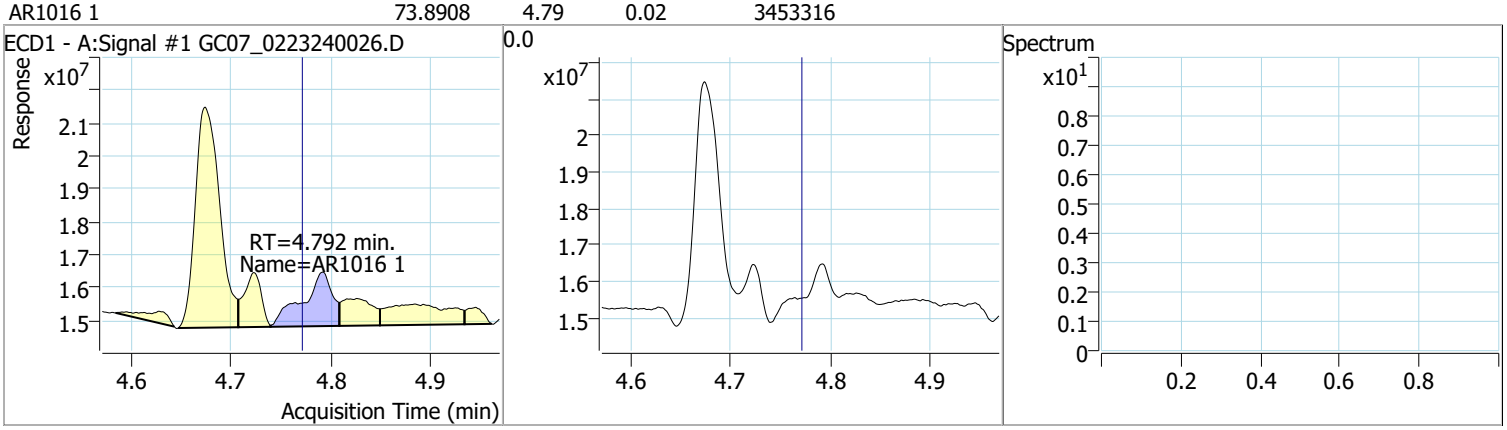
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.792 | 0.0 | 3453316.184 | 73.8908 | ng/ml | 100 |
| T AR1016 2 | 5.011 | 0.0 | 1806472.450 | 21.9564 | ng/ml | 100 |
| T AR1016 1 #2 | 5.267 | 0.0 | 674584.863 | 74.5421 | ng/ml | 100 |
| T AR1016 3 | 5.428 | 0.0 | 42725662.987 | 390.2771 | ng/ml | 100 |
| T AR1016 4 | 5.607 | 0.0 | 35596679.239 | 482.4366 | ng/ml | 100 |
| T AR1016 2 #2 | 5.673 | 0.0 | 1454677.354 | 80.5736 | ng/ml | 100 |
| T AR1016 5 | 5.779 | 0.0 | 53011887.111 | 811.2531 | ng/ml | 100 |
| T AR1016 3 #2 | 6.053 | 0.0 | 3720492.622 | 149.8740 | ng/ml | 100 |
| T AR1016 4 #2 | 6.121 | 0.0 | 1185029.664 | 72.1863 | ng/ml | 100 |
| T AR1016 5 #2 | 6.740 | 0.0 | 119056.110 | 8.9890 | ng/ml | 100 |
| T AR1260 1 | 7.394 | 0.0 | 32624082.115 | 248.9743 | ng/ml | 100 |
| T AR1260 2 | 7.814 | 0.0 | 557020.567 | 2.6513 | ng/ml | 100 |
| T AR1260 3 | 8.220 | 0.0 | 4269935.828 | 17.9446 | ng/ml | 100 |
| T AR1260 1 #2 | 8.837 | 0.0 | 706257.305 | 22.8561 | ng/ml | 100 |
| T AR1260 4 | 9.111 | 0.0 | 19847226.296 | 148.7161 | ng/ml | 100 |
| T AR1260 2 #2 | 9.380 | 0.0 | 539973.289 | 15.9795 | ng/ml | 100 |
| T AR1260 3 #2 | 9.958 | 0.0 | 4107155.276 | 176.5808 | ng/ml | 100 |
| T AR1260 5 | 9.975 | 0.0 | 627942.541 | 4.5874 | ng/ml | 100 |
| T AR1260 4 #2 | 10.458 | 0.0 | 16143856.071 | 603.6169 | ng/ml | 100 |
| T AR1260 5 #2 | 11.012 | 0.0 | 3420678.955 | 84.6318 | ng/ml | 100 |

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

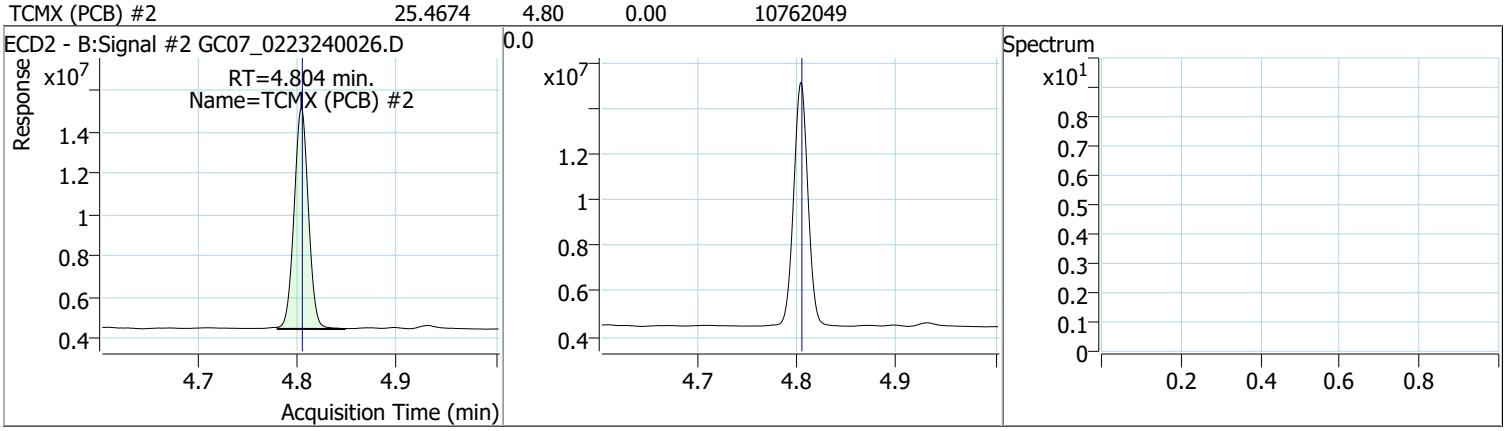
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 22.8528 | 4.45 | 0.00 | 48224504 | | | | |



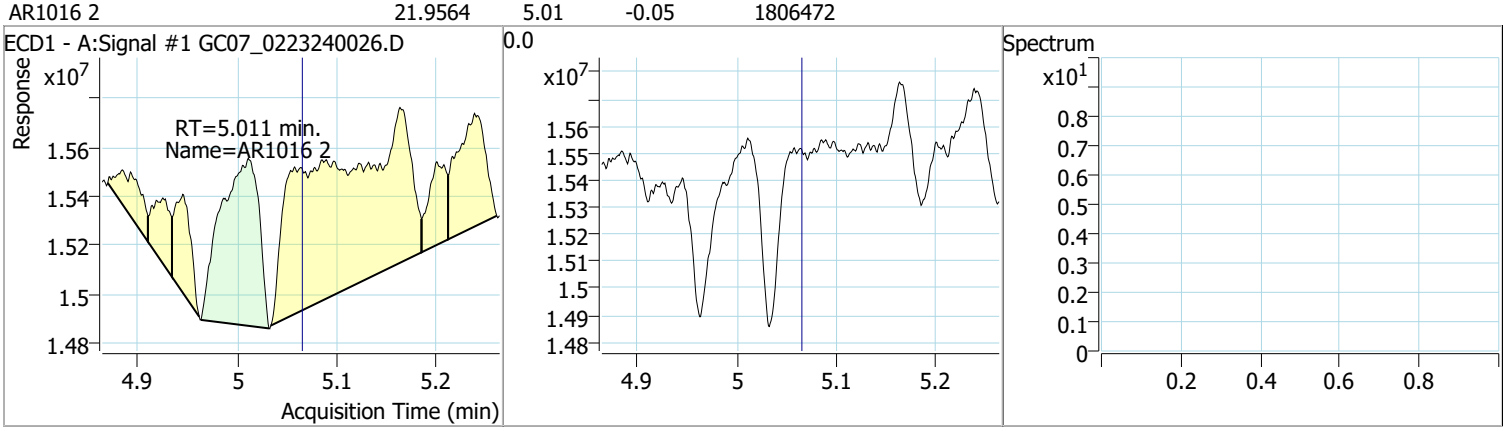

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 73.8908 | 4.79 | 0.02 | 3453316 | | | | |



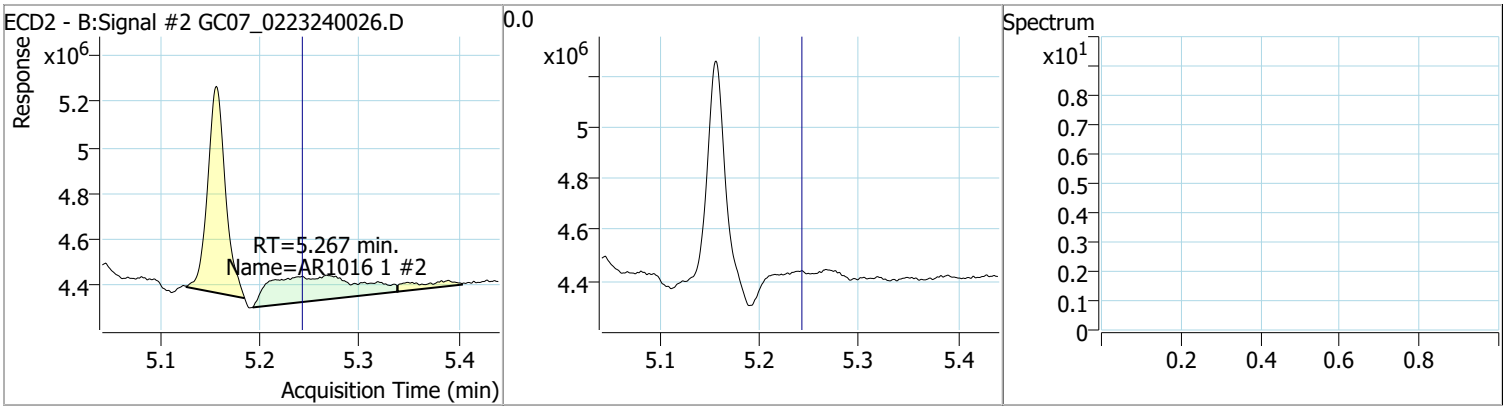

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 25.4674 | 4.80 | 0.00 | 10762049 | | | | |



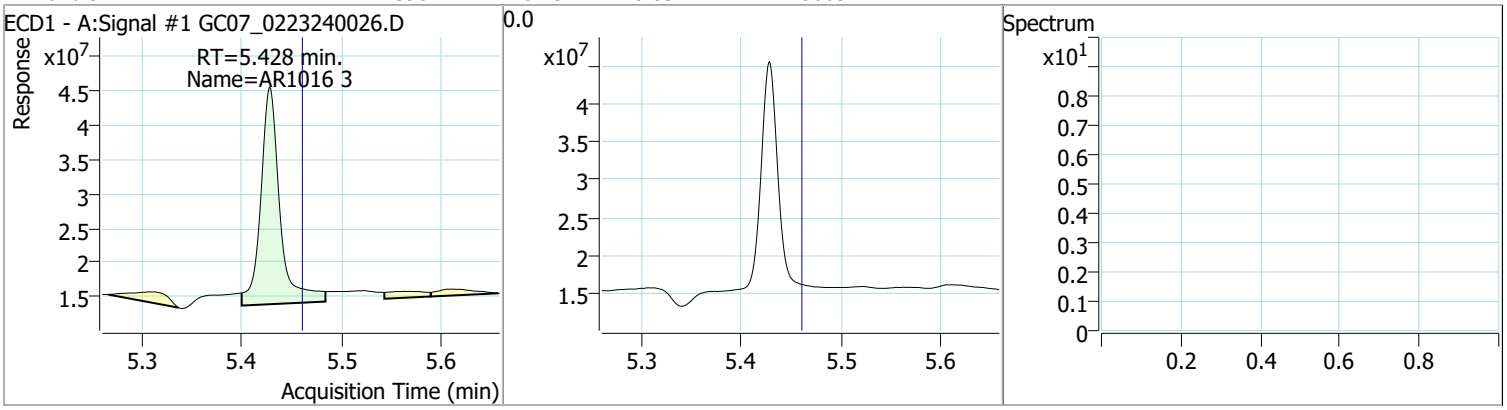

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 21.9564 | 5.01 | -0.05 | 1806472 | | | | |



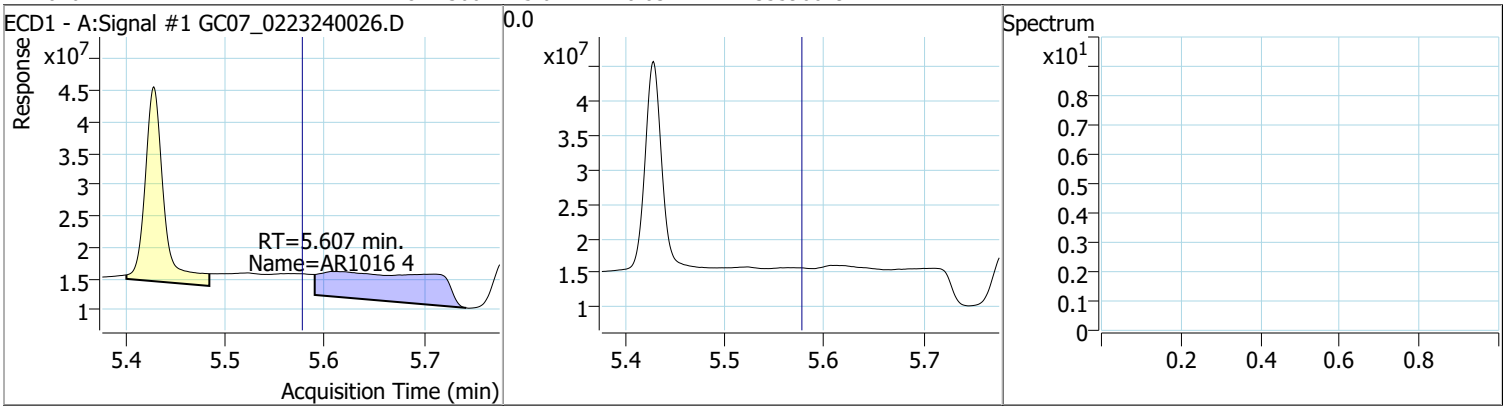
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 74.5421 | 5.27 | 0.03 | 674585 | | | | |



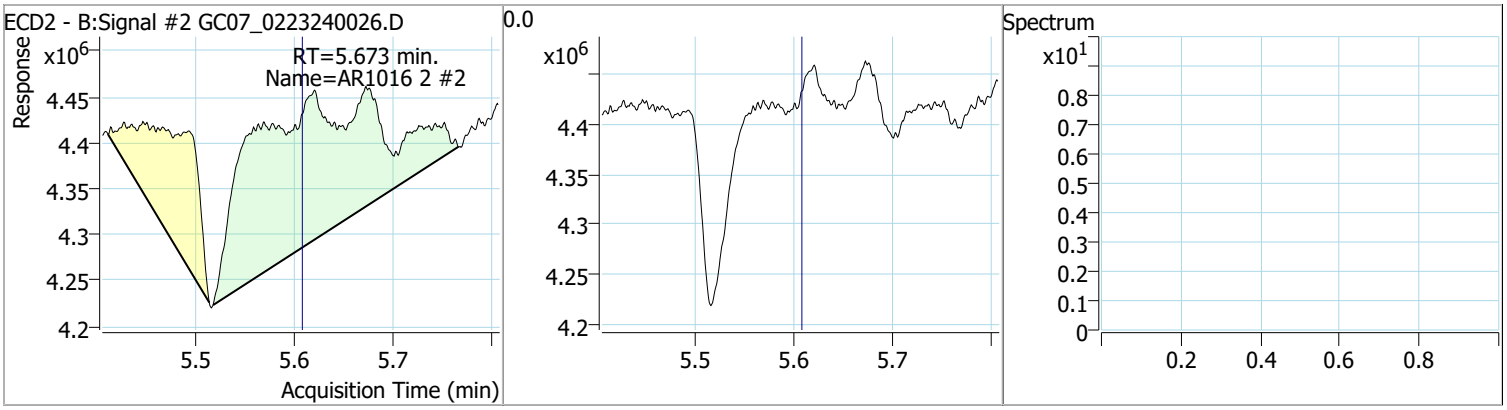

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 390.2771 | 5.43 | -0.03 | 42725663 | | | | |



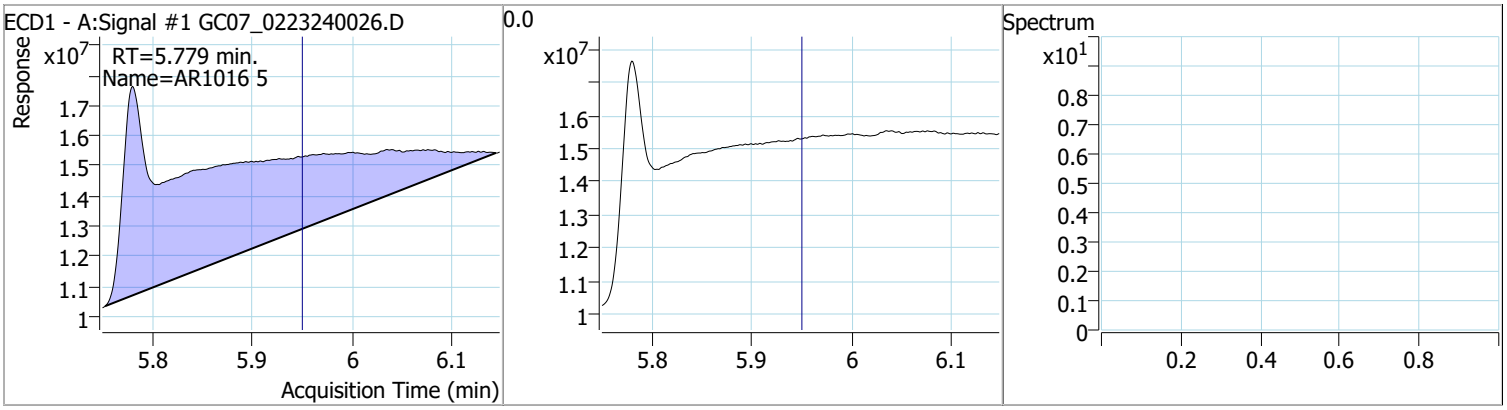

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 482.4366 | 5.61 | 0.03 | 35596679 | | | | |



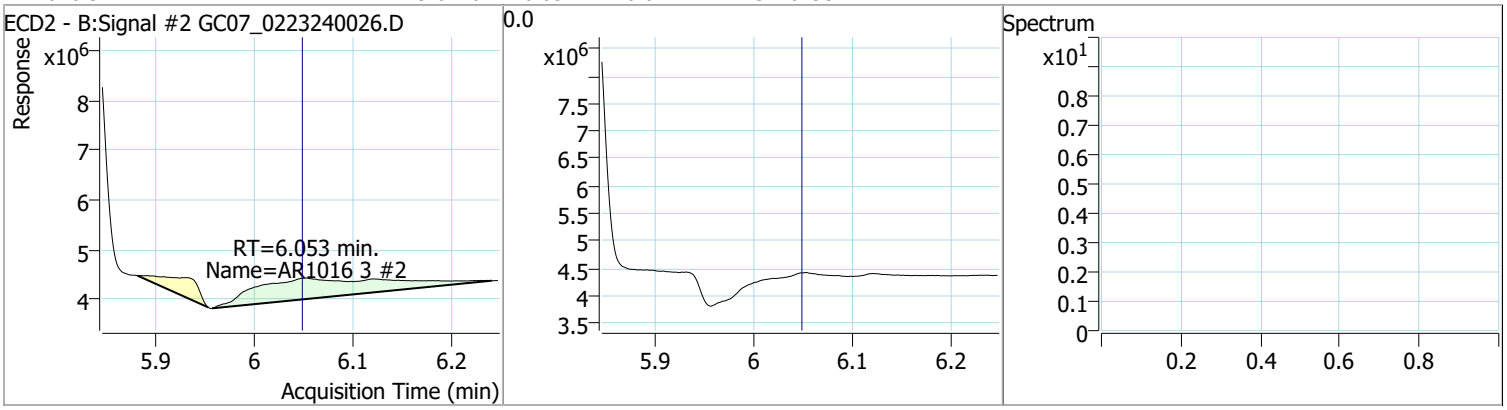

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 80.5736 | 5.67 | 0.07 | 1454677 | | | | |



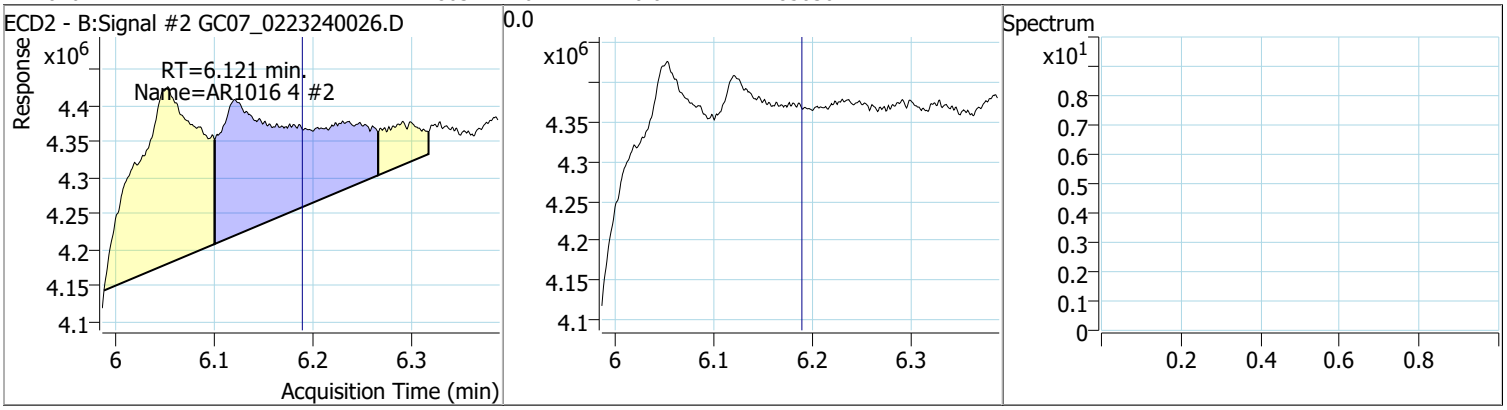
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 811.2531 | 5.78 | -0.17 | 53011887 | | | | |



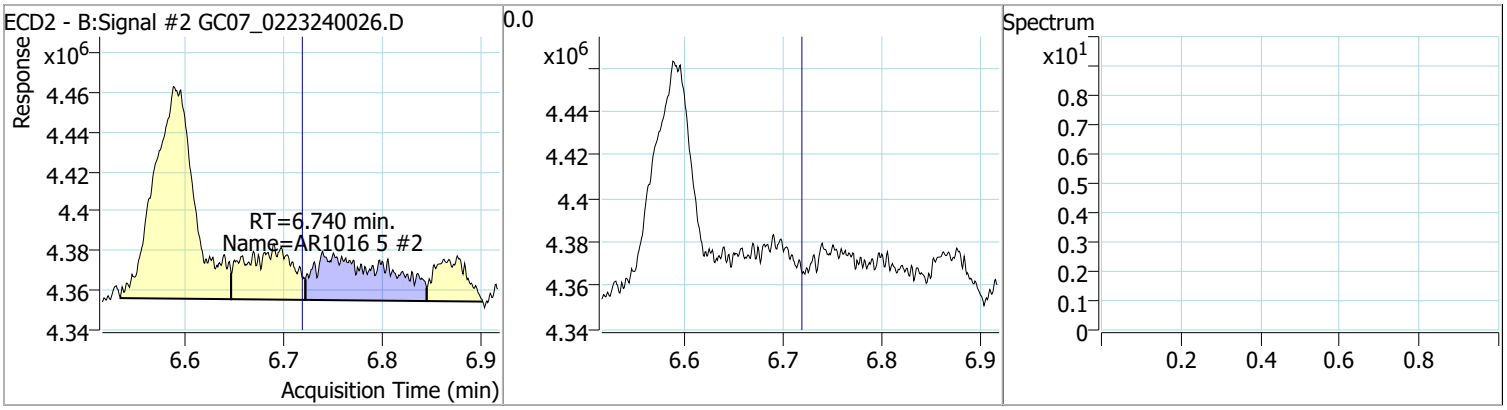

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 149.8740 | 6.05 | 0.01 | 3720493 | | | | |



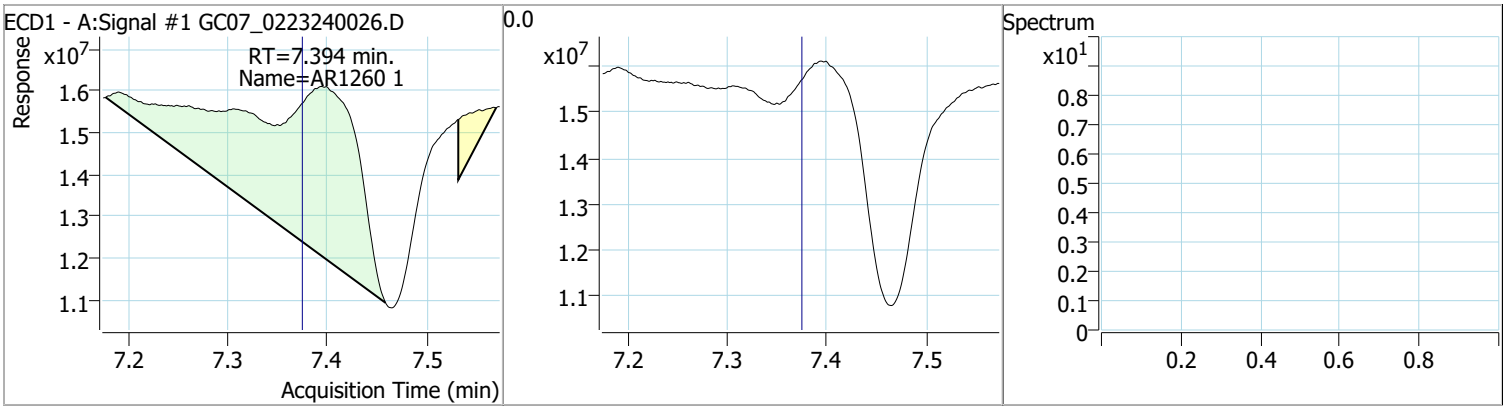

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 72.1863 | 6.12 | -0.07 | 1185030 | | | | |



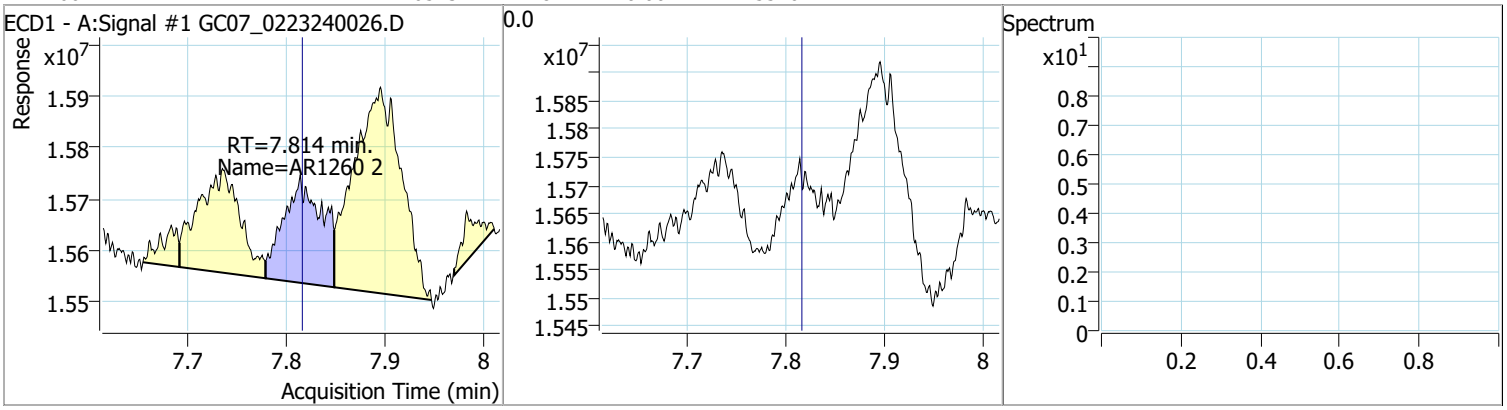

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 8.9890 | 6.74 | 0.02 | 119056 | | | | |



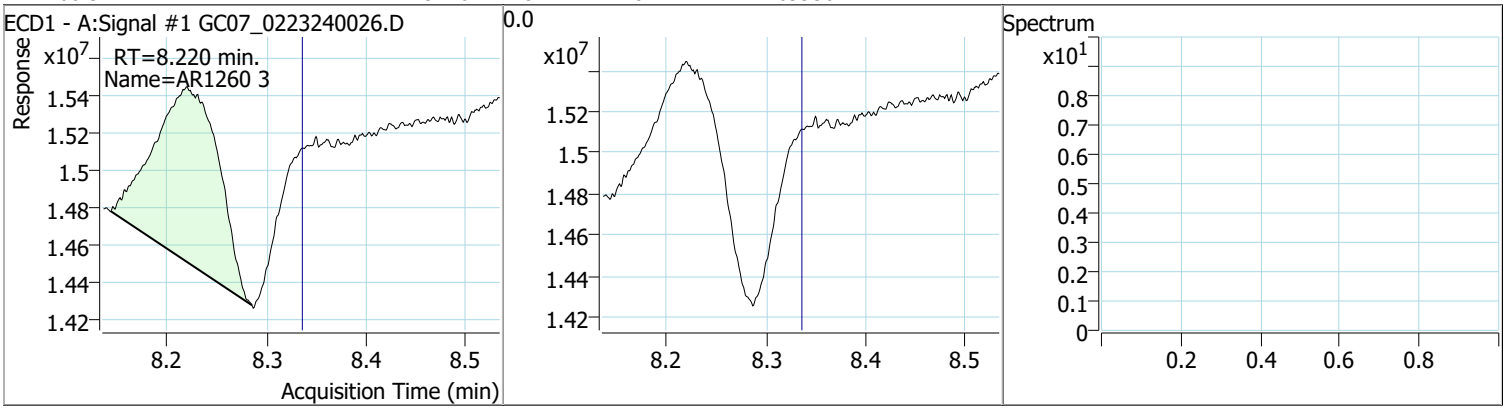
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 248.9743 | 7.39 | 0.02 | 32624082 | | | | |



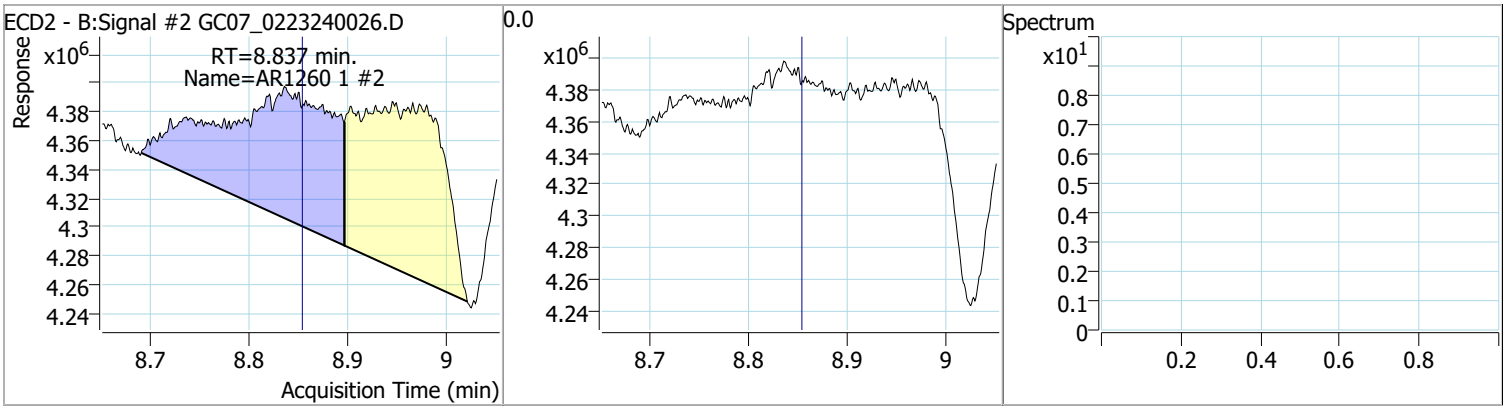

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.6513 | 7.81 | 0.00 | 557021 | | | | |



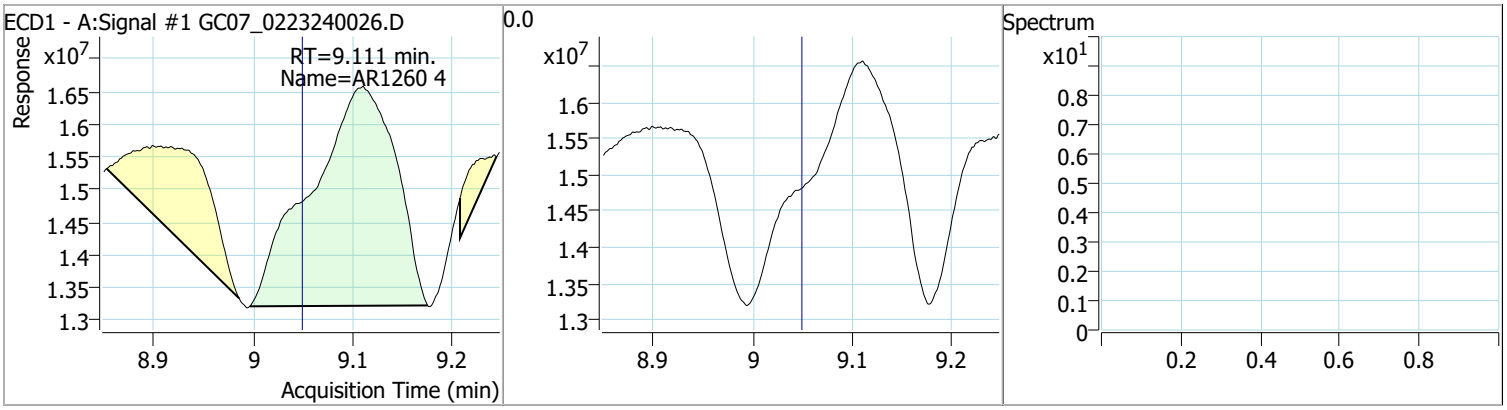

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 17.9446 | 8.22 | -0.12 | 4269936 | | | | |



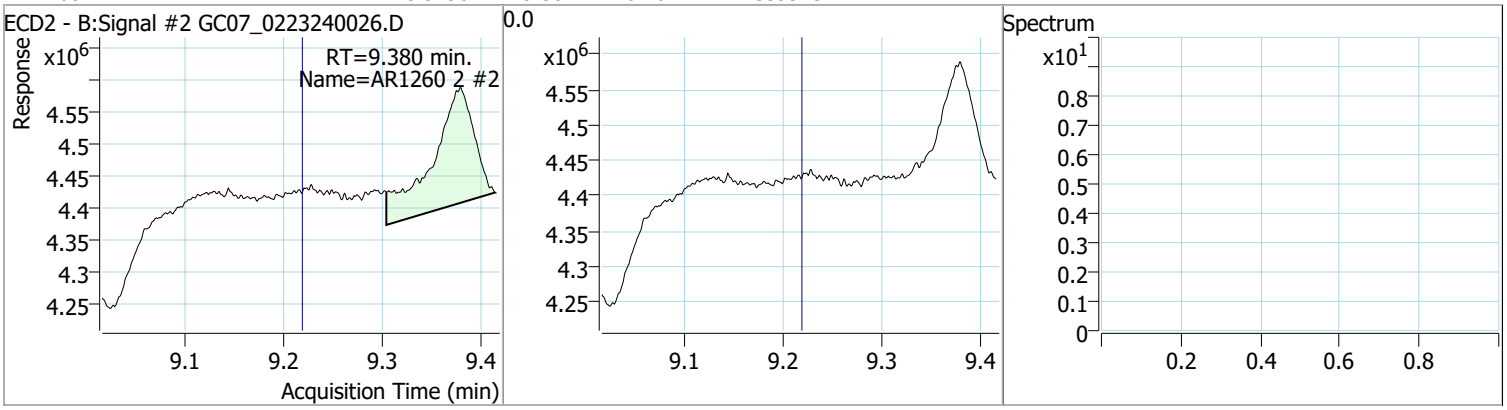

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 22.8561 | 8.84 | -0.01 | 706257 | | | | |



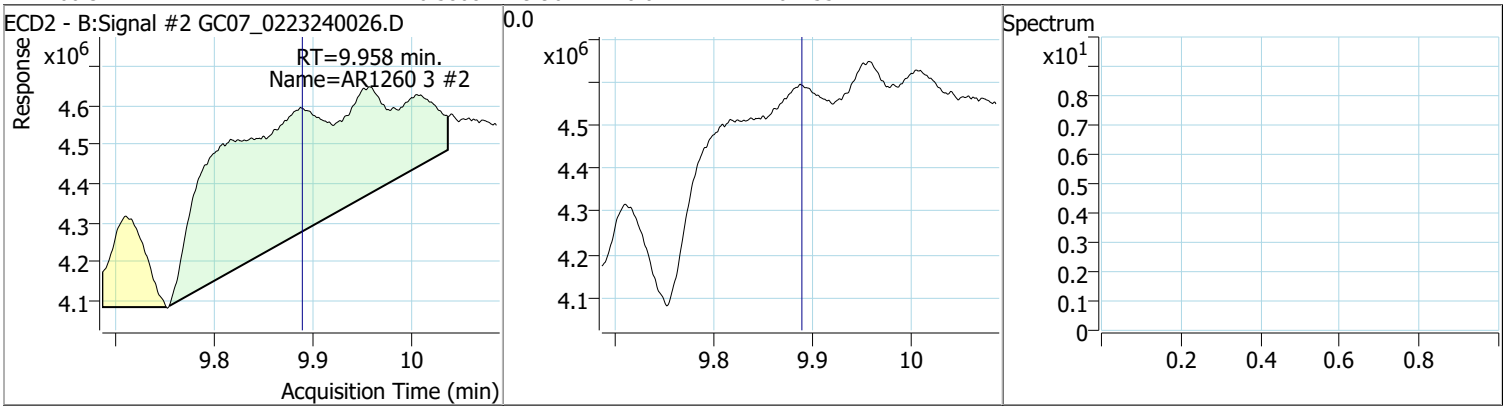
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 148.7161 | 9.11 | 0.06 | 19847226 | | | | |



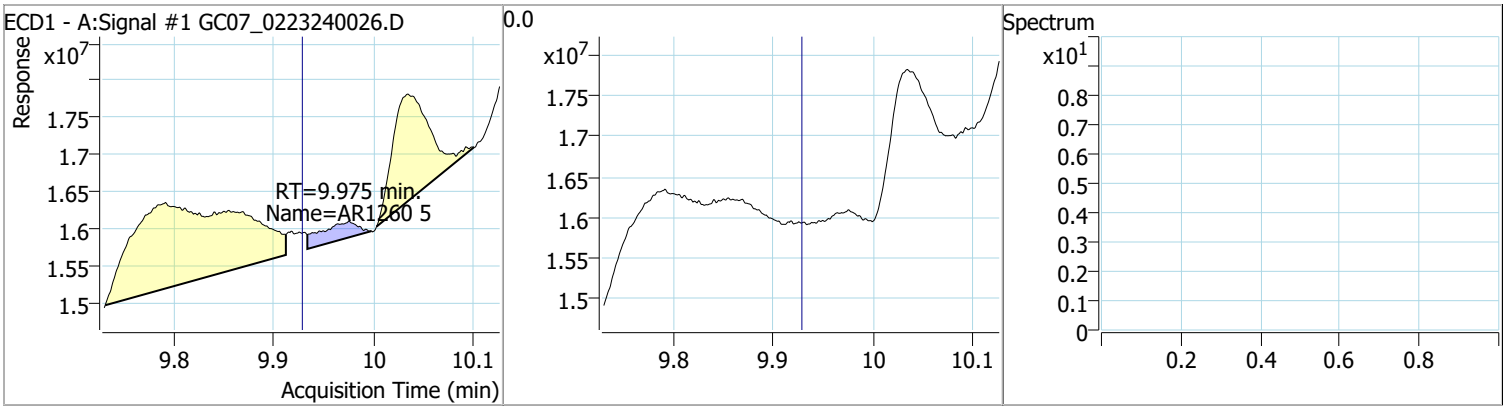

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 15.9795 | 9.38 | 0.16 | 539973 | | | | |



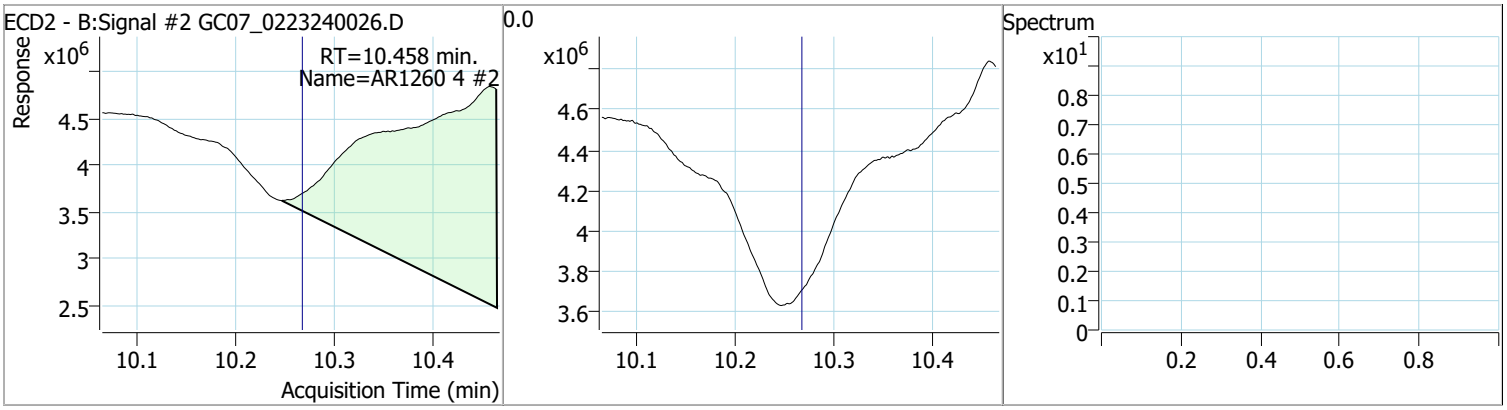

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 176.5808 | 9.96 | 0.07 | 4107155 | | | | |



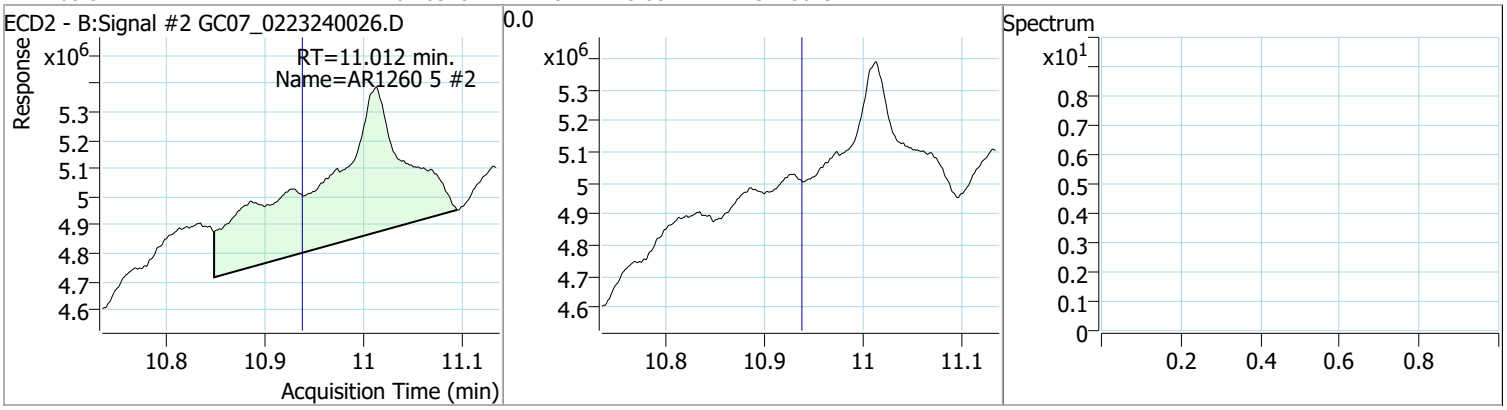

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 4.5874 | 9.98 | 0.05 | 627943 | | | | |



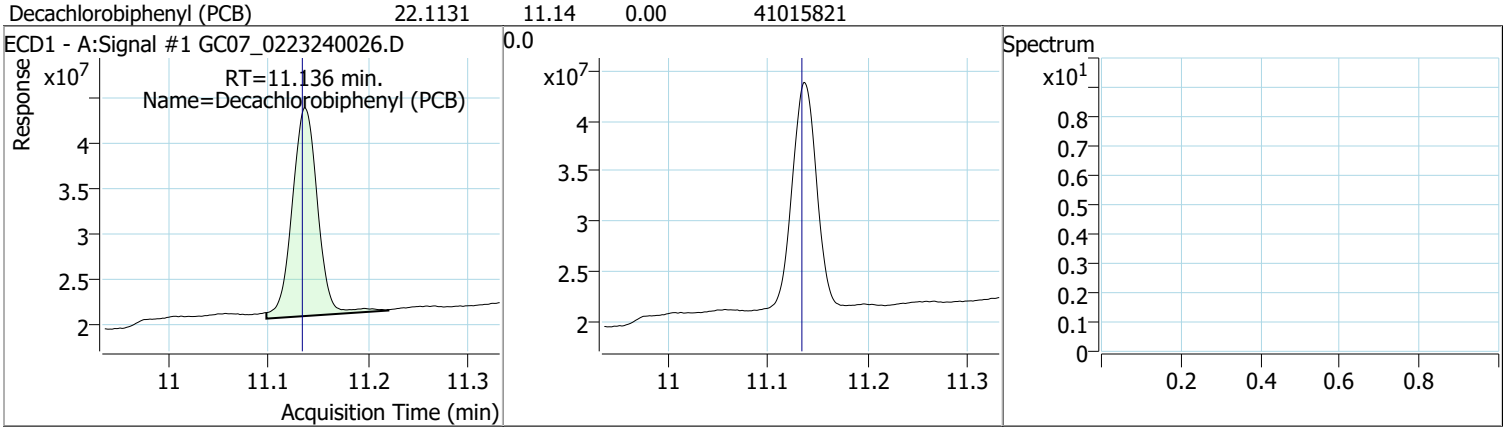
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 603.6169 | 10.46 | 0.19 | 16143856 | | | | |



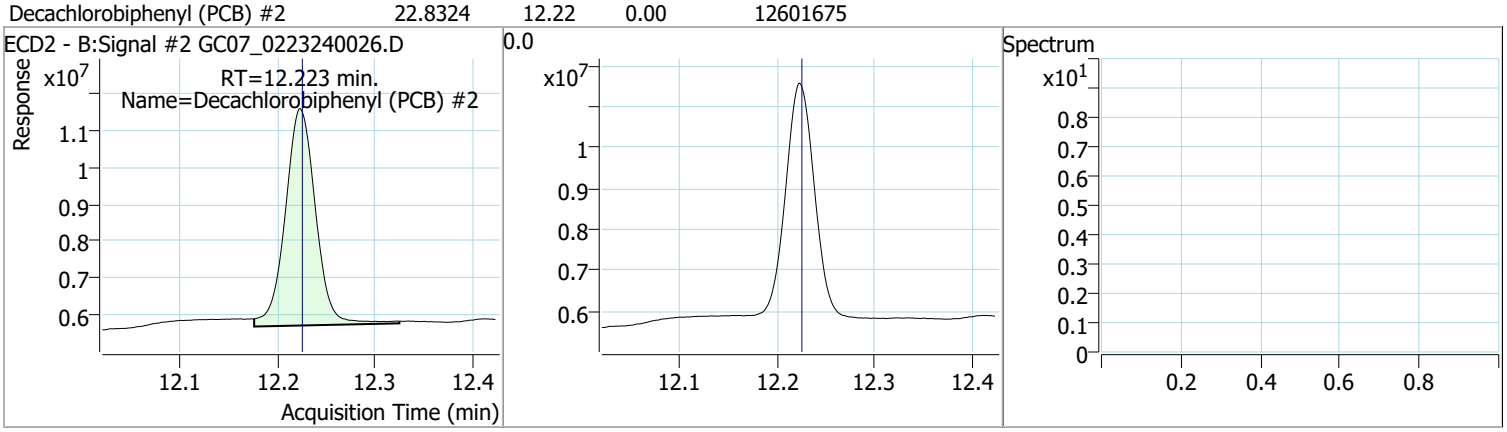

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 84.6318 | 11.01 | 0.08 | 3420679 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 22.1131 | 11.14 | 0.00 | 41015821 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 22.8324 | 12.22 | 0.00 | 12601675 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-002 | Client ID: | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA |
| Seqnum: | 464078296034 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240034 | Batch: | 333612 | Time: | 23-FEB-2024 18:00 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 72.55 | ug/L | ~~0.73~~ FP | 3.3 | 128% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 88.93 | ug/L | 0.89 | 1.69 | 62% | | | |
| Aroclor-1016 Peak # 2 | B | 123.7 | ug/L | 1.24 | 0.21 | 141% | | | |
| Aroclor-1016 Peak # 3 | B | 85.29 | ug/L | 0.85 | 3.58 | 123% | | | |
| Aroclor-1016 Peak # 4 | B | 61.20 | ug/L | 0.61 | 1.94 | 104% | | | |
| Aroclor-1016 Peak # 5 | B | 3.598 | ug/L | 0.04 | 9.10 | 198% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 63.92 | ug/L | ~~0.64~~ FP | 0.85 | 28% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 61.33 | ug/L | 0.61 | 2.28 | 115% | | | |
| Aroclor-1260 Peak # 2 | B | 21.27 | ug/L | 0.21 | 0.04 | 136% | | | |
| Aroclor-1260 Peak # 3 | B | 204.1 | ug/L | 2.04 | 0.21 | 162% | | | |
| Aroclor-1260 Peak # 4 | B | 1.691 | ug/L | 0.02 | 1.44 | 195% | | | |
| Aroclor-1260 Peak # 5 | B | 31.20 | ug/L | 0.31 | 0.27 | 13% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 31.47 | pg/uL | 0.5000 | 0.3147 | 63 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 26.19 | pg/uL | 0.5000 | 0.2619 | 52 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 10189875 | 45.92 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 59572009 | 70.74 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

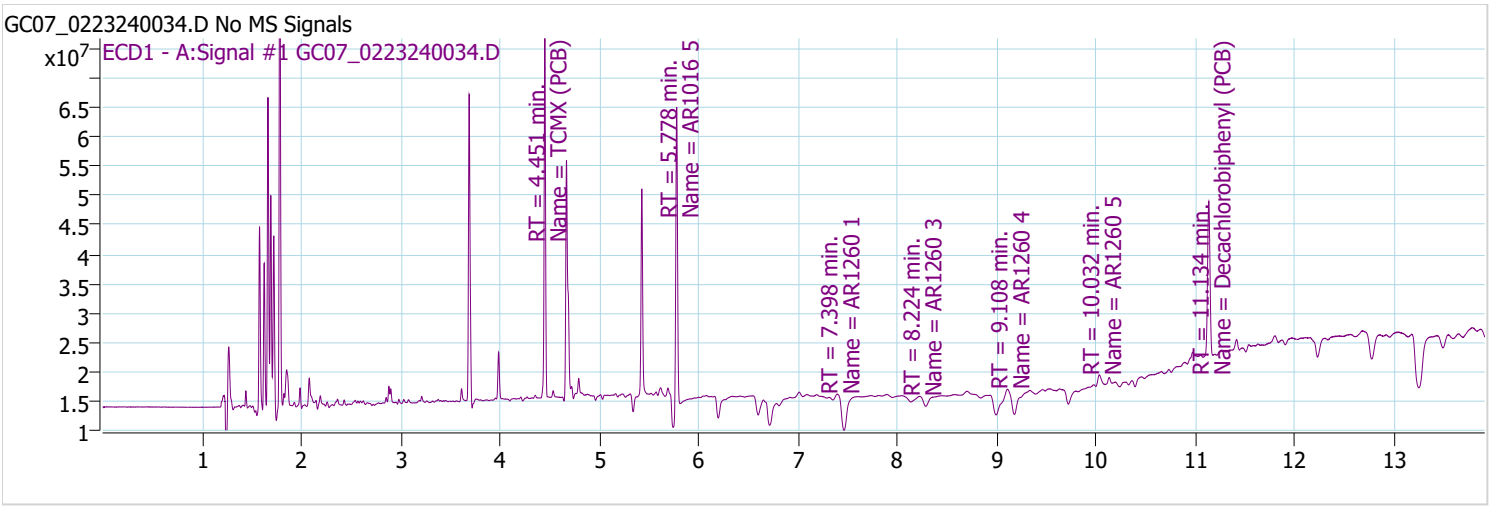
02/24/24 : WIPE/1S-10ML//

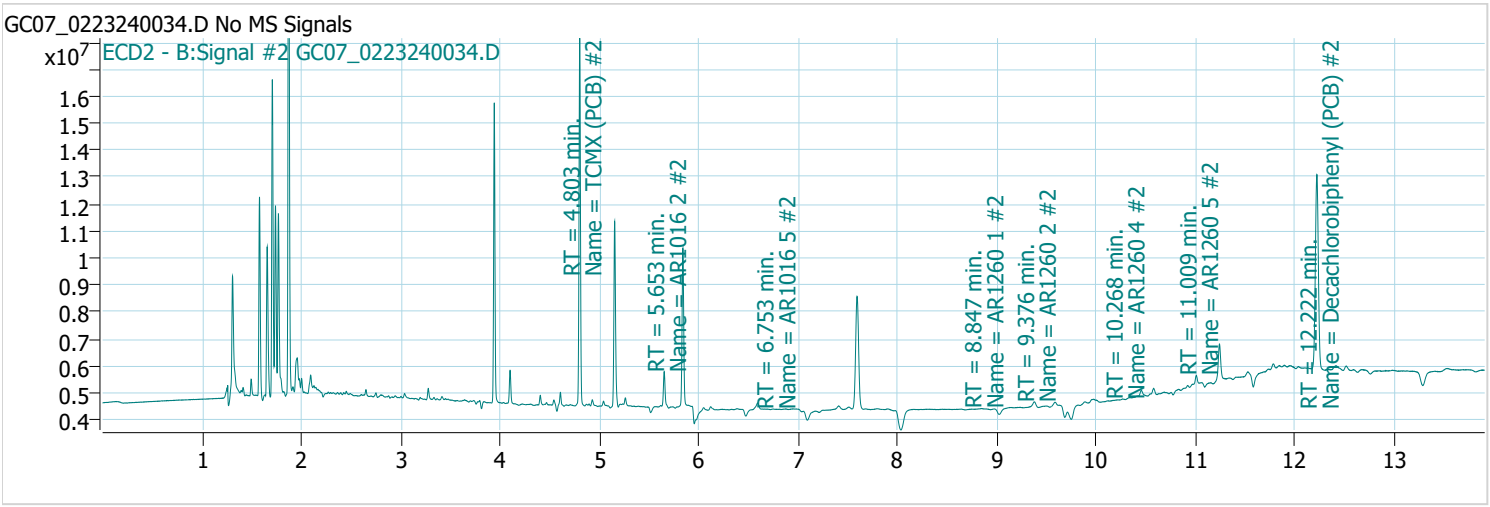
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240034.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 6:00:47 PM |
| Sample Name | 502501-002, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 5 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



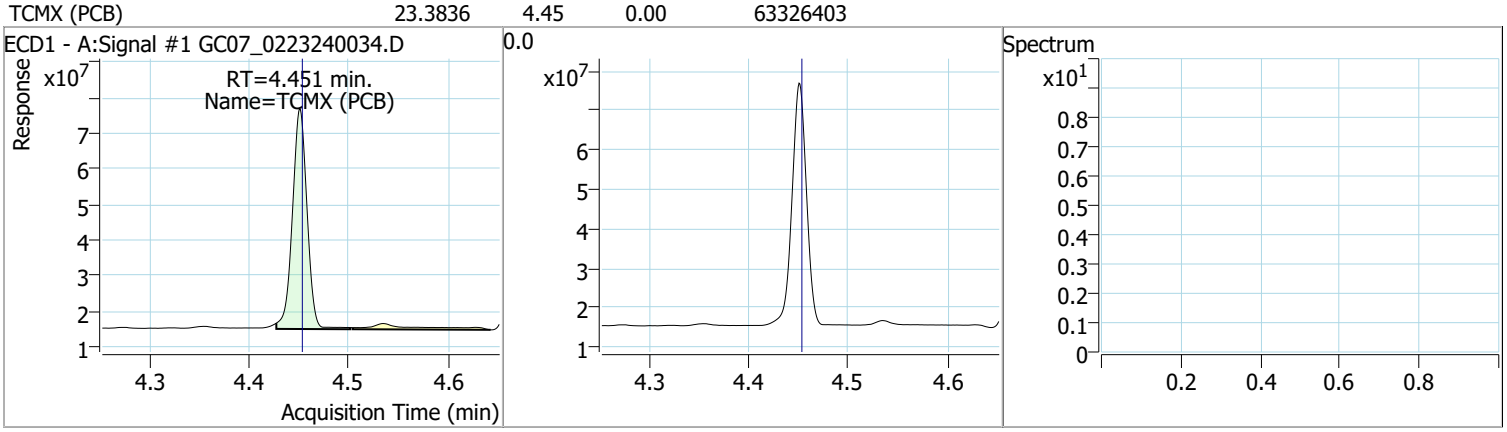




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 59572008.810 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 10189874.739 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.451 | 0.0 | 63326402.573 | 23.3836 | ng/ml | | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 116.92% | | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 13978111.692 | 31.4747 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 157.37% | | * | |
| S Decachlorobiphenyl (PCB) | 11.134 | 0.0 | 46154578.587 | 19.3895 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 96.95% | | | |
| S Decachlorobiphenyl (PCB) #2 | 12.222 | 0.0 | 15193433.782 | 26.1940 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 130.97% | | | |
| **Target Compounds** | | | | | | | QValue |

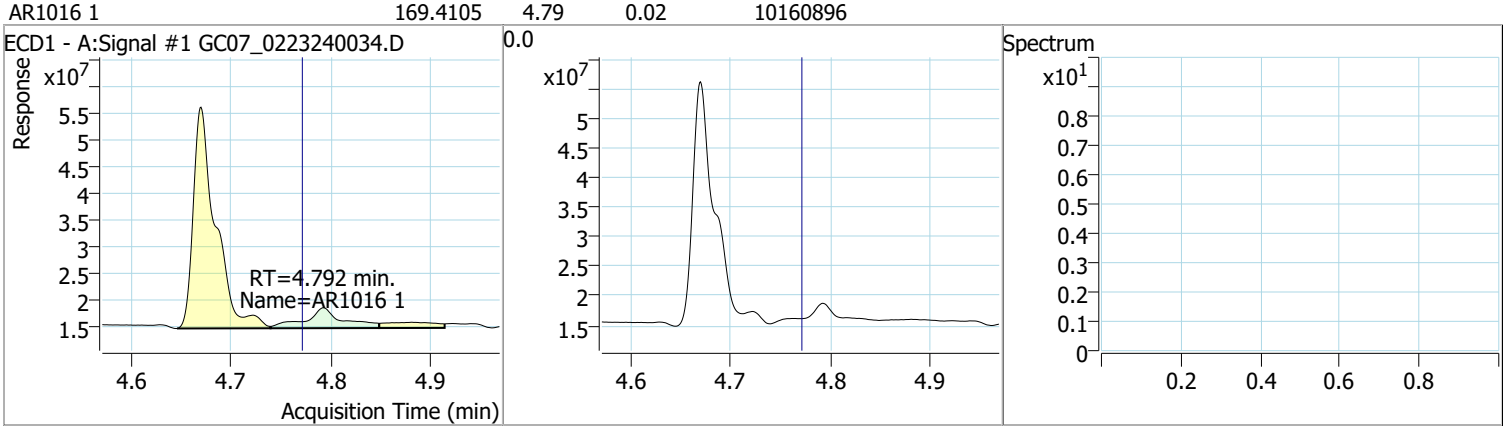
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.792 | 0.0 | 10160895.831 | 169.4105 | ng/ml | 100 |
| T AR1016 2 | 5.010 | 0.0 | 2259490.253 | 21.3990 | ng/ml | 100 |
| T AR1016 1 #2 | 5.262 | 0.0 | 845758.484 | 88.9271 | ng/ml | 100 |
| T AR1016 3 | 5.428 | 0.0 | 50336277.539 | 358.2774 | ng/ml | 100 |
| T AR1016 4 | 5.616 | 0.0 | 18386807.277 | 194.1740 | ng/ml | 100 |
| T AR1016 2 #2 | 5.653 | 0.0 | 2347718.861 | 123.7358 | ng/ml | 100 |
| T AR1016 5 | 5.778 | 0.0 | 76335320.938 | 910.2542 | ng/ml | 100 |
| T AR1016 3 #2 | 6.048 | 0.0 | 2225226.204 | 85.2948 | ng/ml | 100 |
| T AR1016 4 #2 | 6.121 | 0.0 | 1055857.831 | 61.2004 | ng/ml | 100 |
| T AR1016 5 #2 | 6.753 | 0.0 | 50076.869 | 3.5977 | ng/ml | 100 |
| T AR1260 1 | 7.398 | 0.0 | 38390542.325 | 228.2940 | ng/ml | 100 |
| T AR1260 2 | 7.813 | 0.0 | 1092767.119 | 4.0529 | ng/ml | 100 |
| T AR1260 3 | 8.224 | 0.0 | 6554154.627 | 21.4627 | ng/ml | 100 |
| T AR1260 1 #2 | 8.847 | 0.0 | 1991479.708 | 61.3251 | ng/ml | 100 |
| T AR1260 4 | 9.108 | 0.0 | 24717430.276 | 144.3163 | ng/ml | 100 |
| T AR1260 2 #2 | 9.376 | 0.0 | 755190.060 | 21.2652 | ng/ml | 100 |
| T AR1260 3 #2 | 9.971 | 0.0 | 4989179.836 | 204.1053 | ng/ml | 100 |
| T AR1260 5 | 10.032 | 0.0 | 4809850.280 | 27.3800 | ng/ml | 100 |
| T AR1260 4 #2 | 10.268 | 0.0 | 47528.927 | 1.6910 | ng/ml | 100 |
| T AR1260 5 #2 | 11.009 | 0.0 | 1325084.141 | 31.1952 | ng/ml | 100 |

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

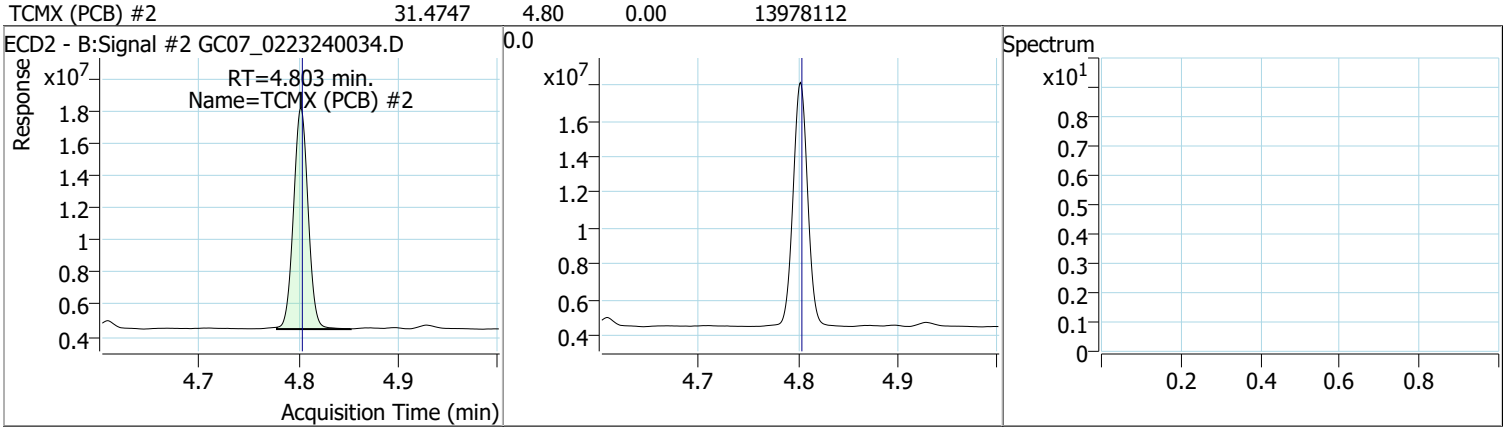
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 23.3836 | 4.45 | 0.00 | 63326403 | | | | |



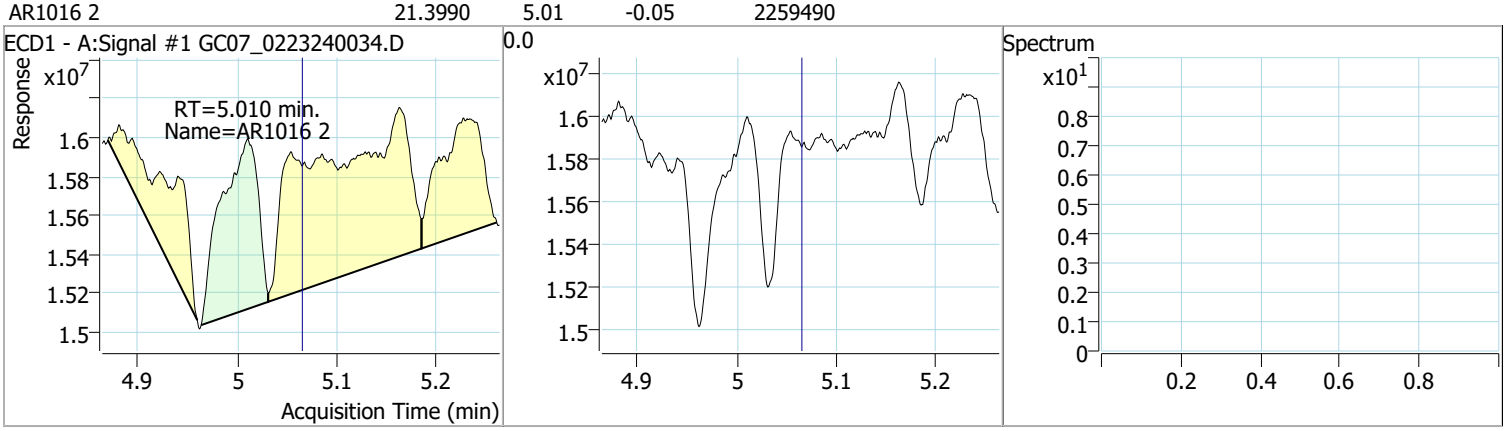

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 169.4105 | 4.79 | 0.02 | 10160896 | | | | |



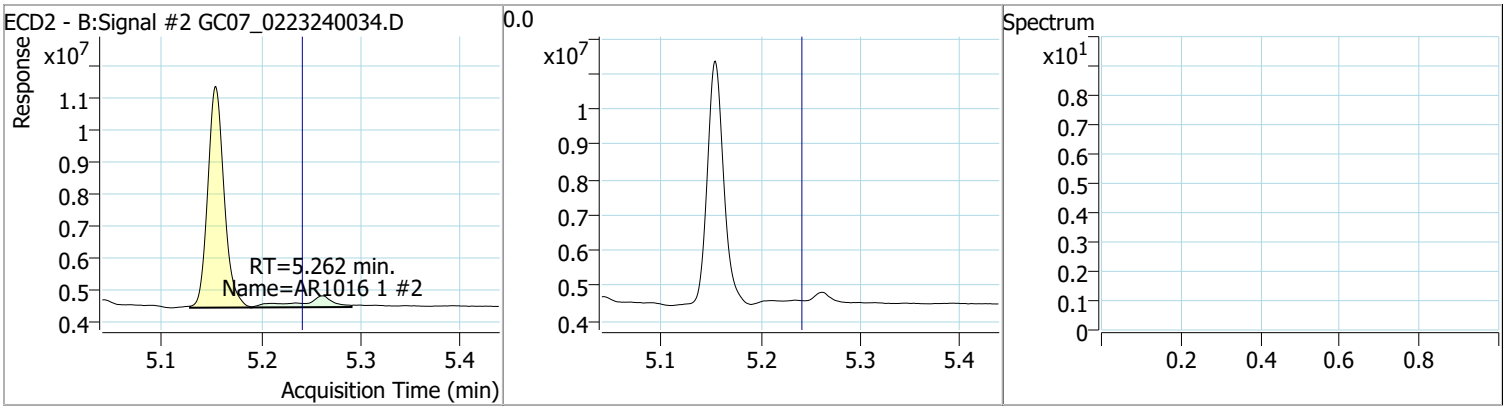

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 31.4747 | 4.80 | 0.00 | 13978112 | | | | |



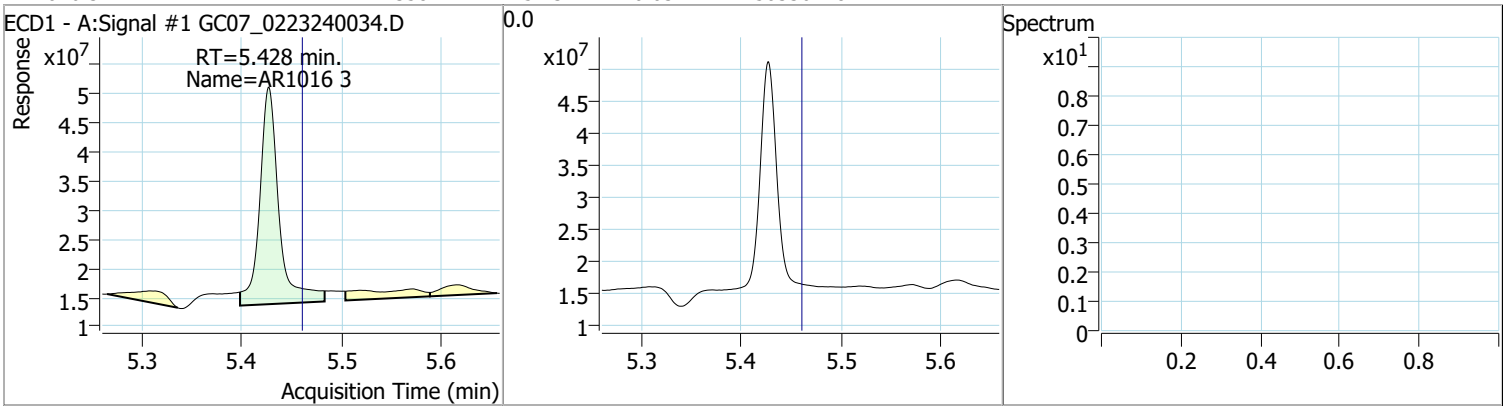

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 21.3990 | 5.01 | -0.05 | 2259490 | | | | |



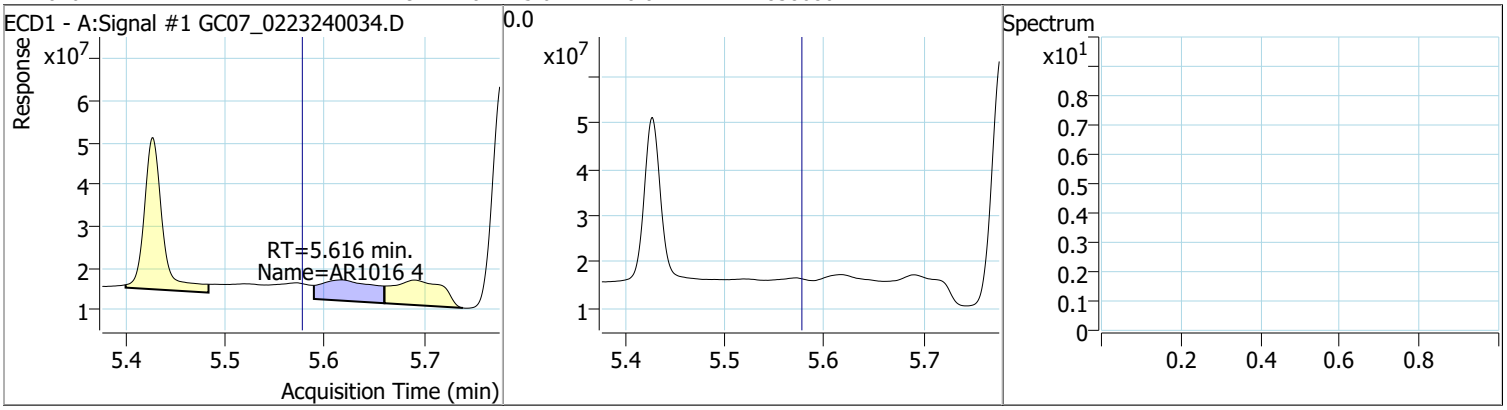
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 88.9271 | 5.26 | 0.02 | 845758 | | | | |



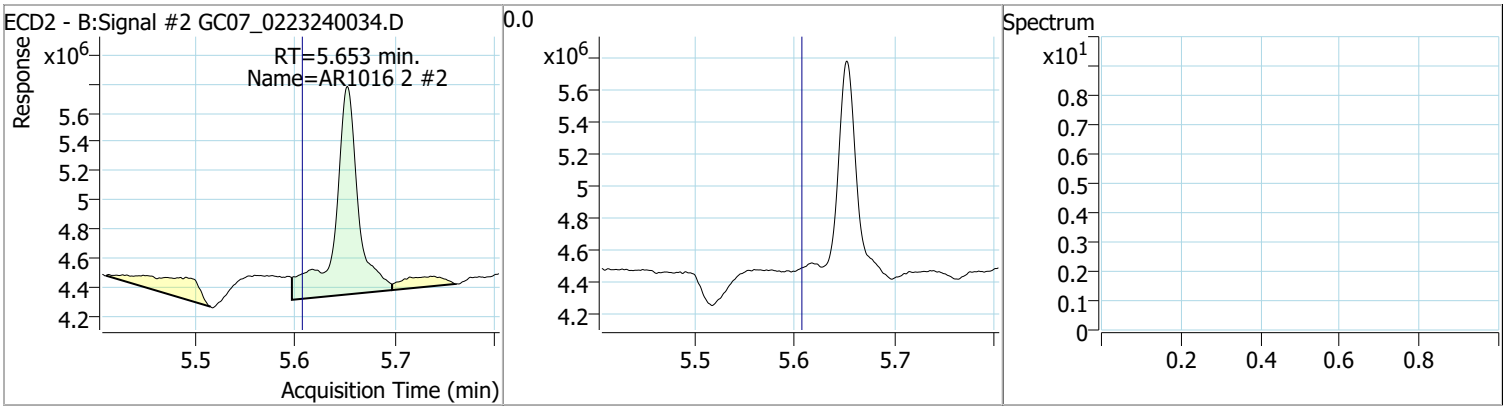

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 358.2774 | 5.43 | -0.03 | 50336278 | | | | |



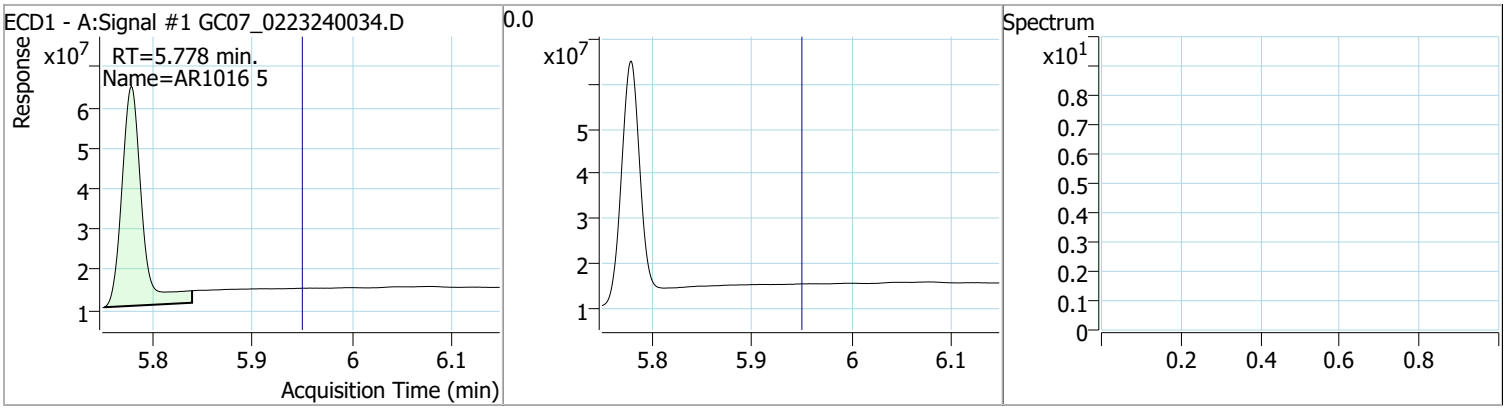

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 194.1740 | 5.62 | 0.04 | 18386807 | | | | |



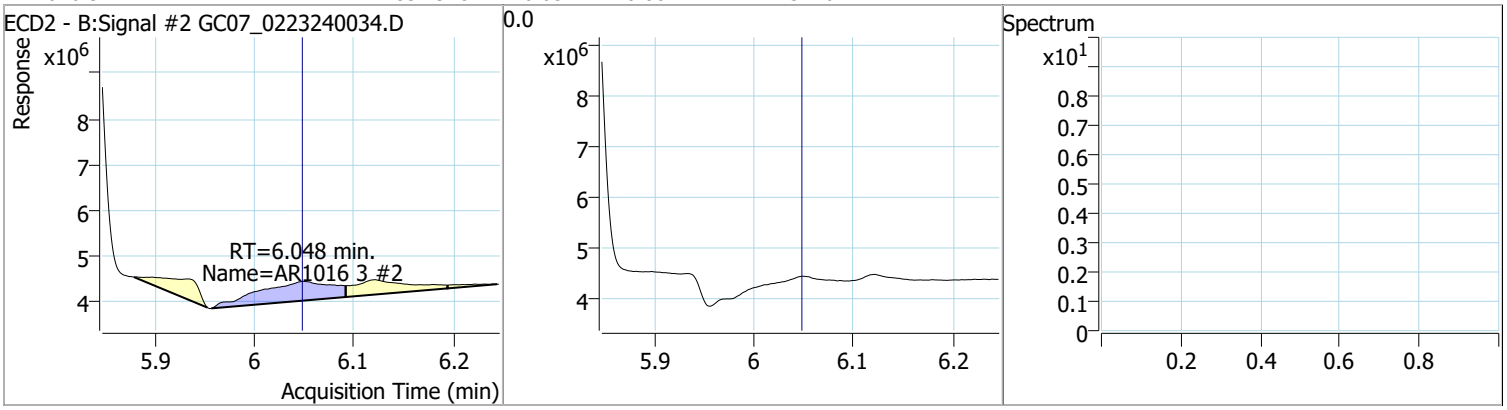

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 123.7358 | 5.65 | 0.05 | 2347719 | | | | |



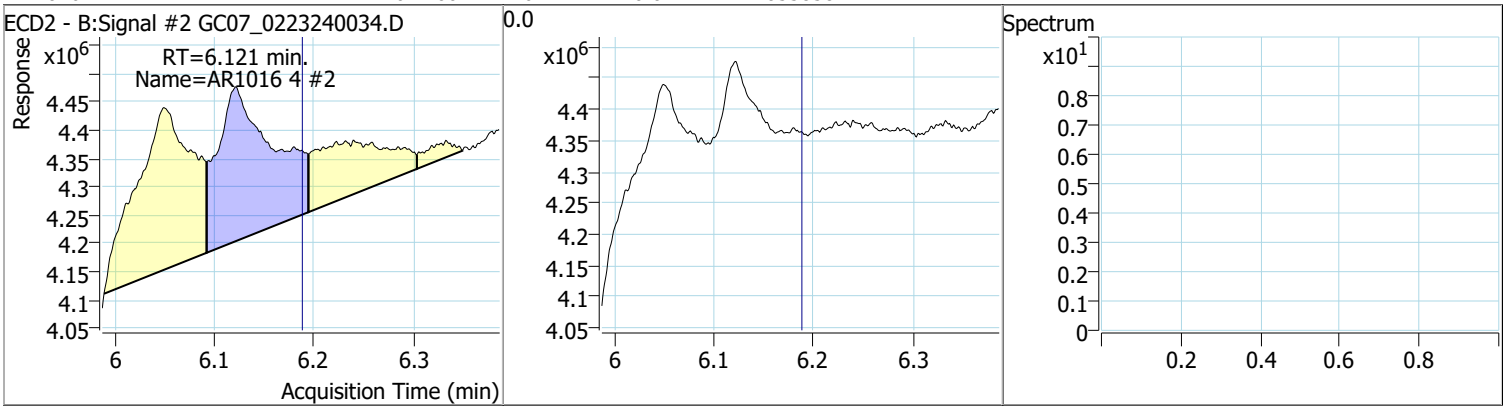
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 910.2542 | 5.78 | -0.17 | 76335321 | | | | |



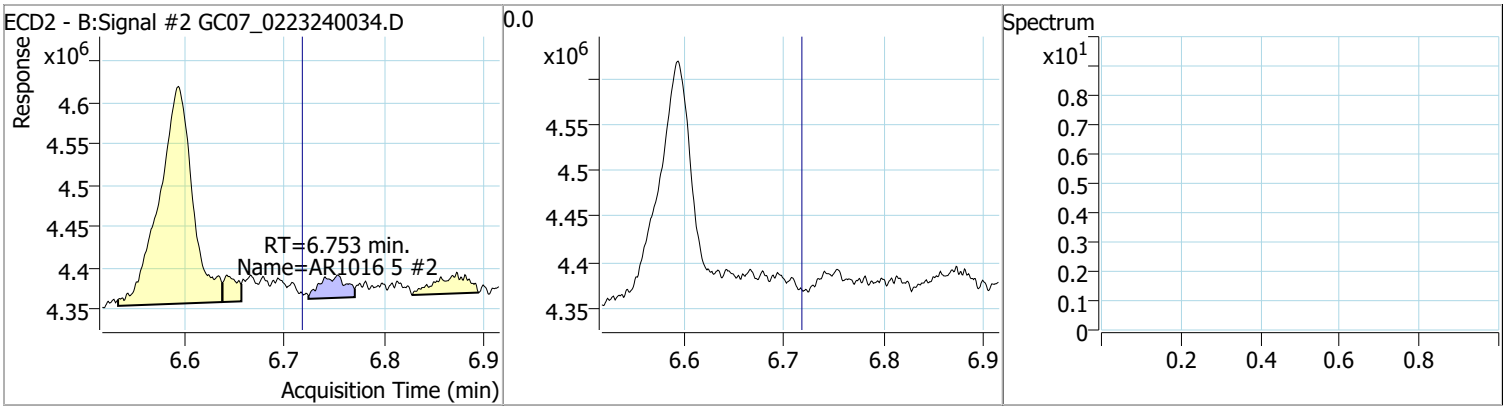

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 85.2948 | 6.05 | 0.00 | 2225226 | | | | |



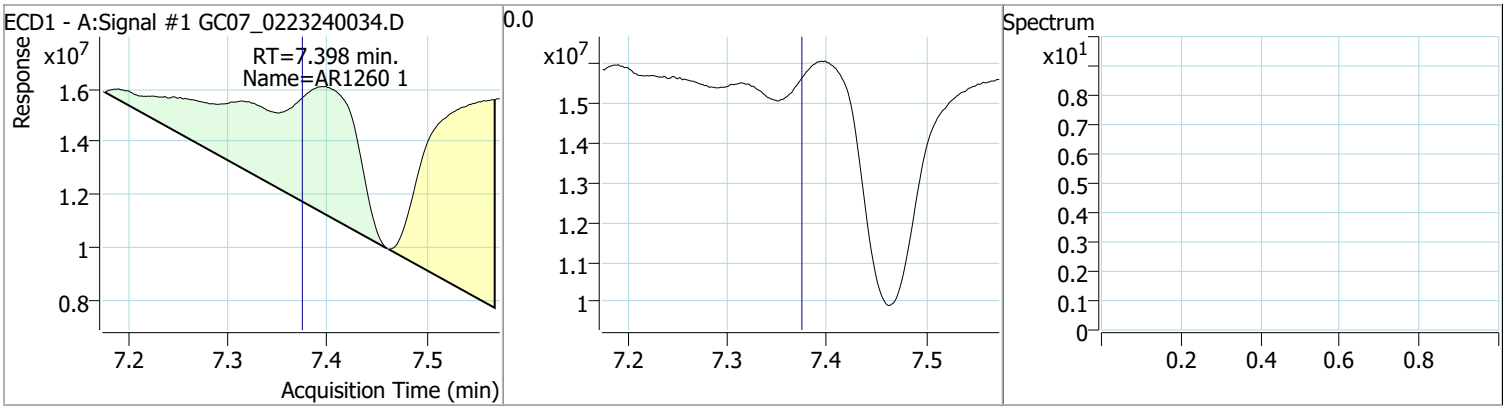

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 61.2004 | 6.12 | -0.07 | 1055858 | | | | |



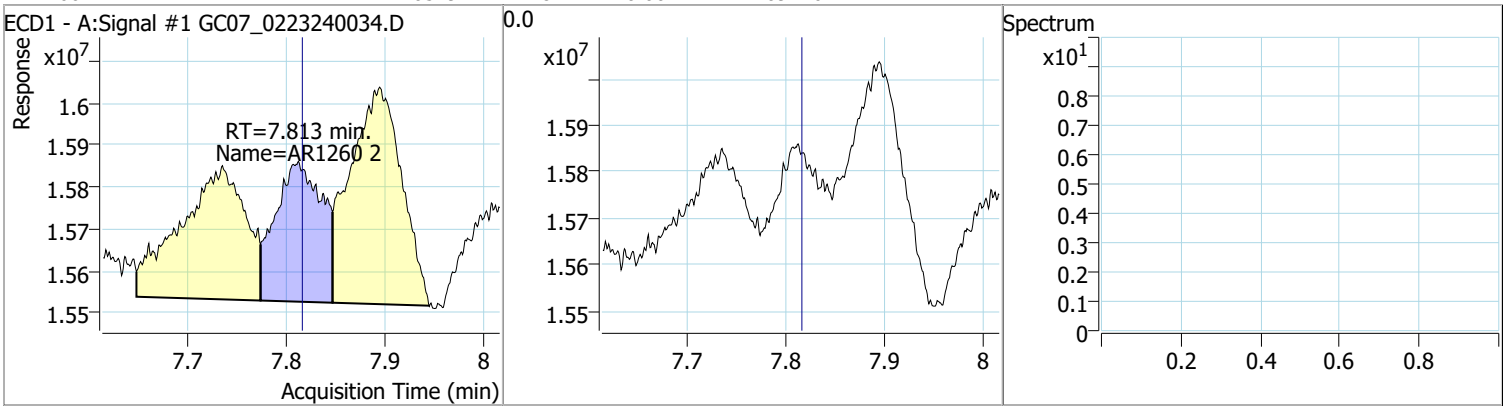

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 3.5977 | 6.75 | 0.04 | 50077 | | | | |



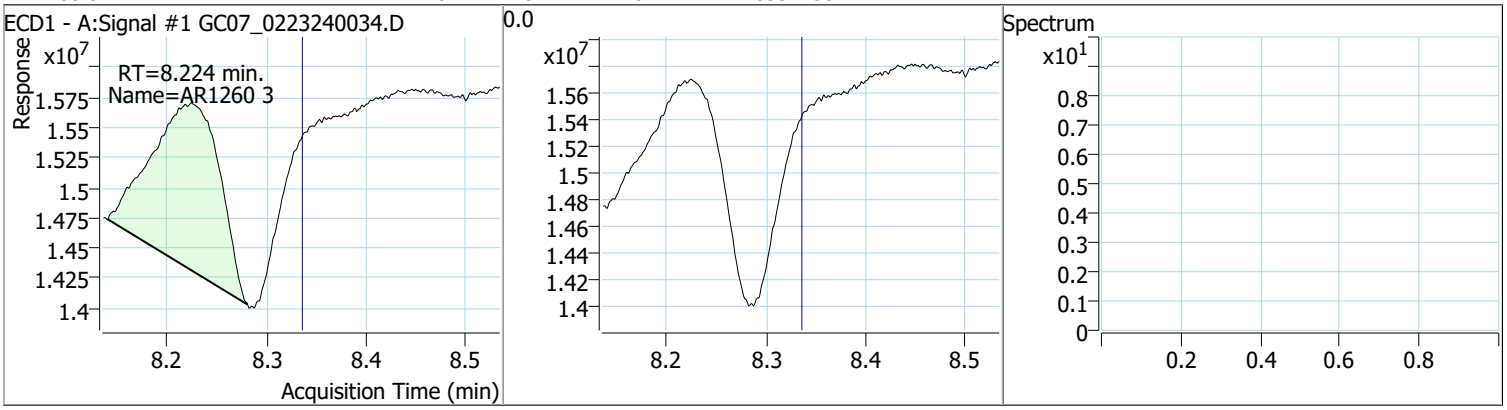
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 228.2940 | 7.40 | 0.02 | 38390542 | | | | |



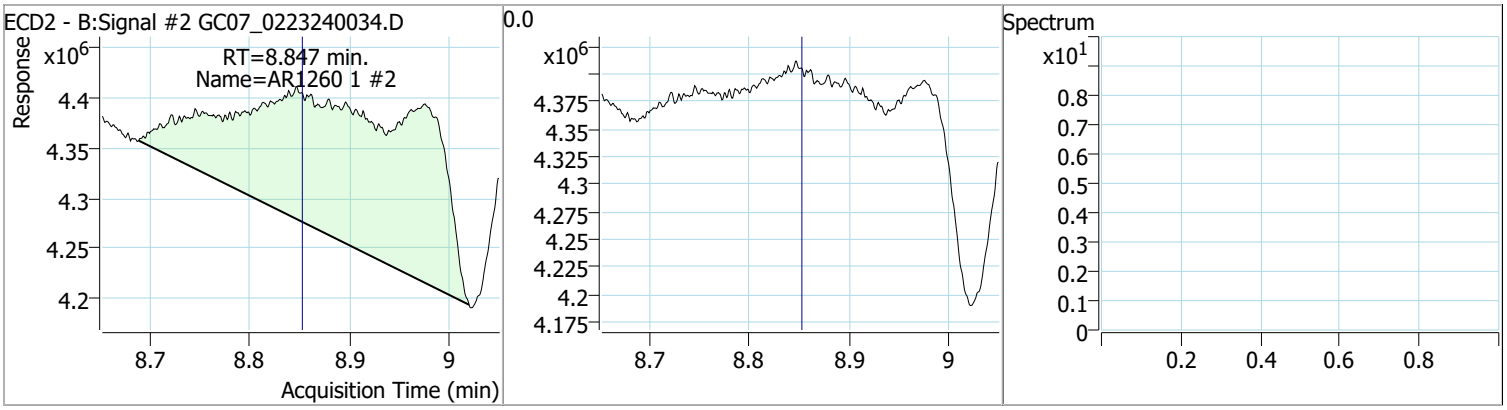

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 4.0529 | 7.81 | 0.00 | 1092767 | | | | |



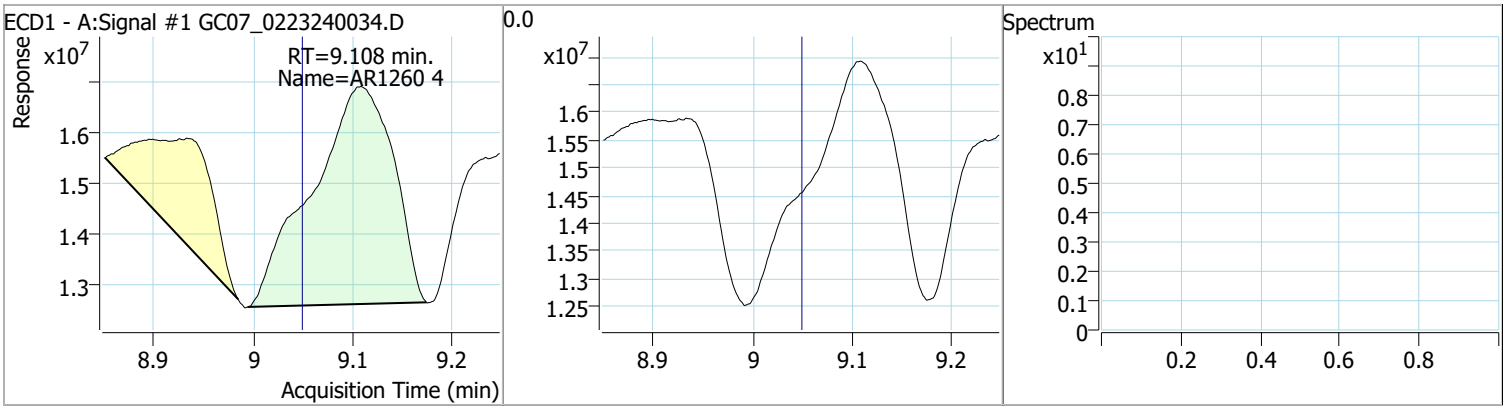

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 21.4627 | 8.22 | -0.11 | 6554155 | | | | |



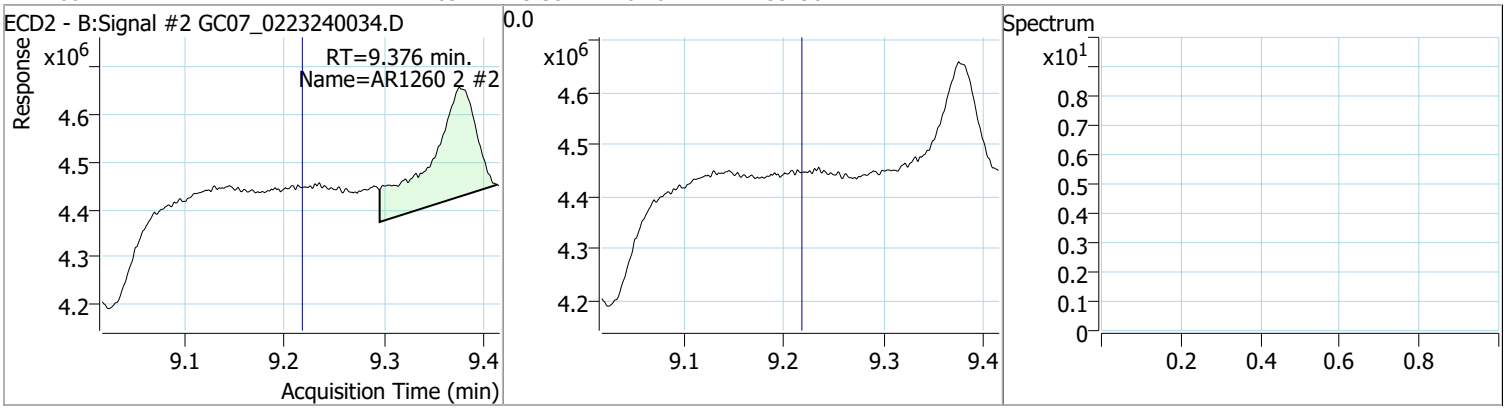

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 61.3251 | 8.85 | 0.00 | 1991480 | | | | |



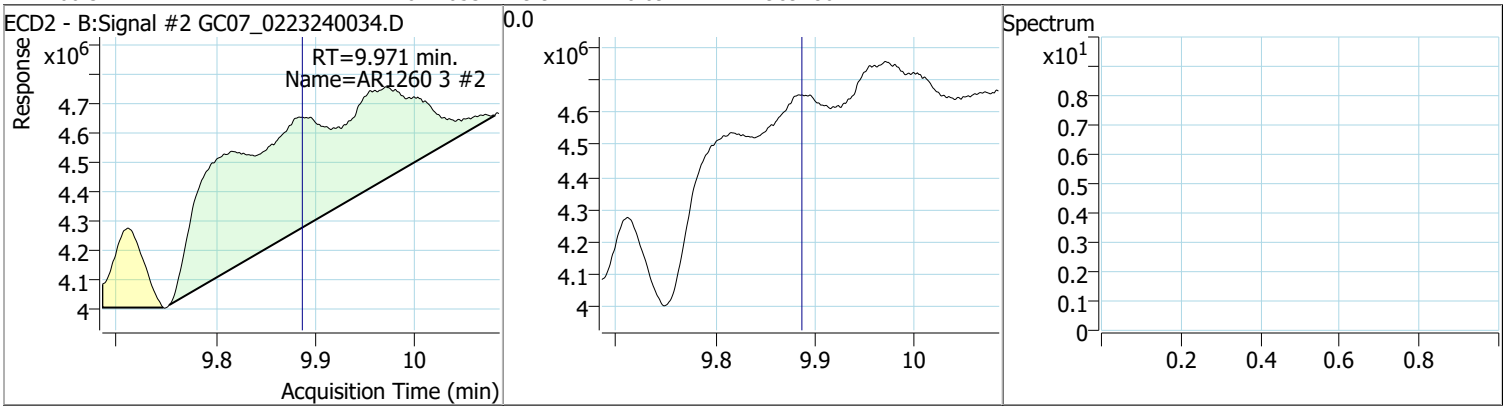
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 144.3163 | 9.11 | 0.06 | 24717430 | | | | |



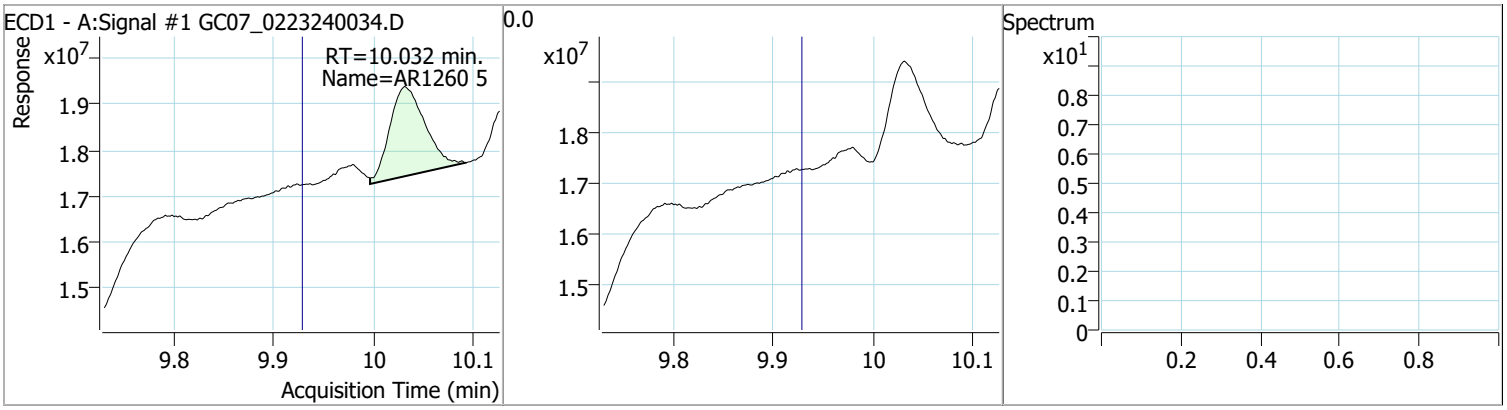

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 21.2652 | 9.38 | 0.16 | 755190 | | | | |



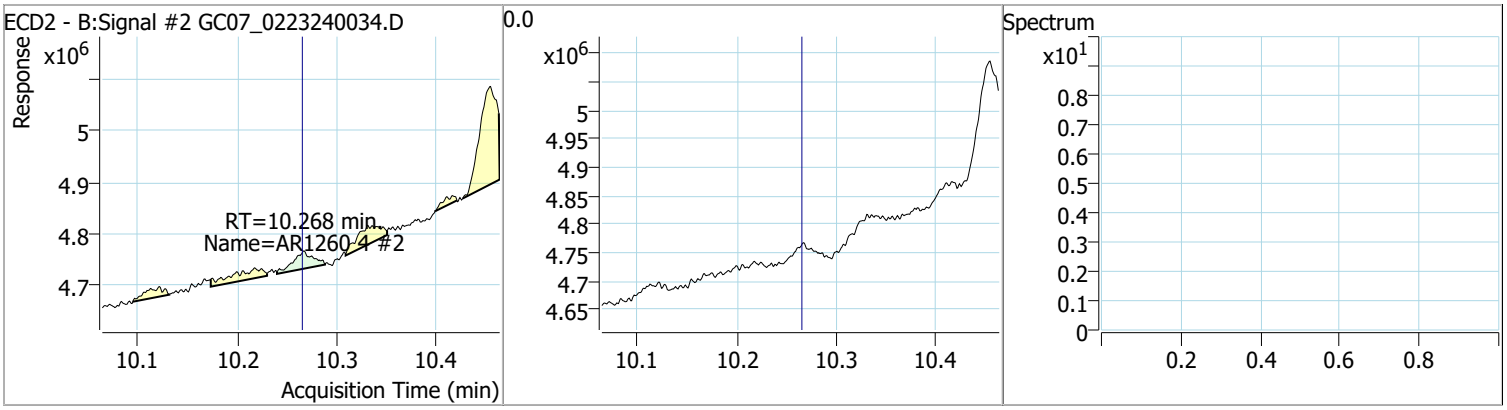

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 204.1053 | 9.97 | 0.09 | 4989180 | | | | |



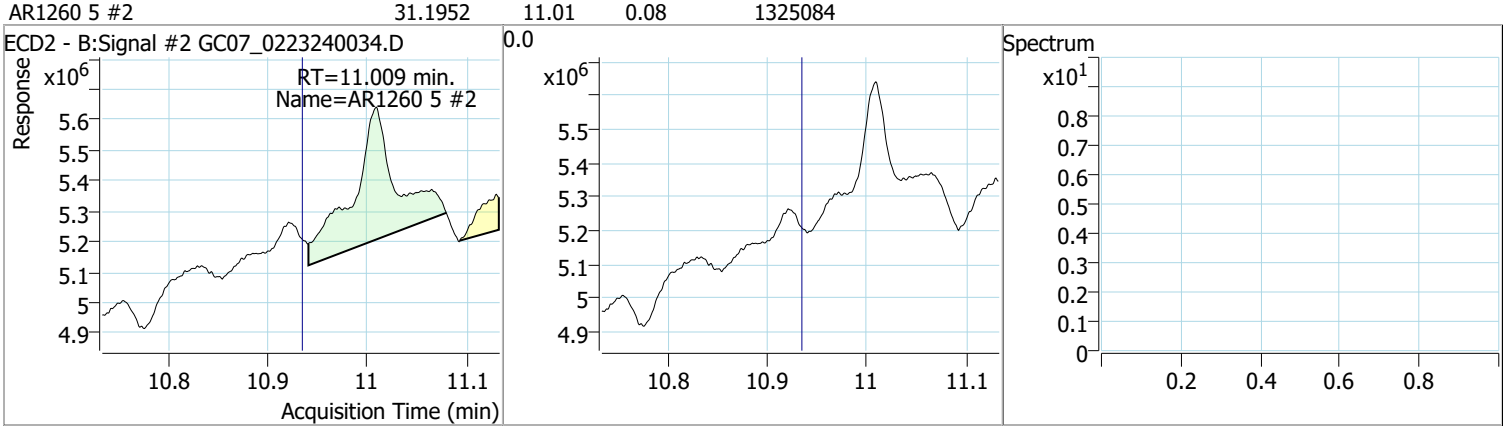

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 27.3800 | 10.03 | 0.10 | 4809850 | | | | |



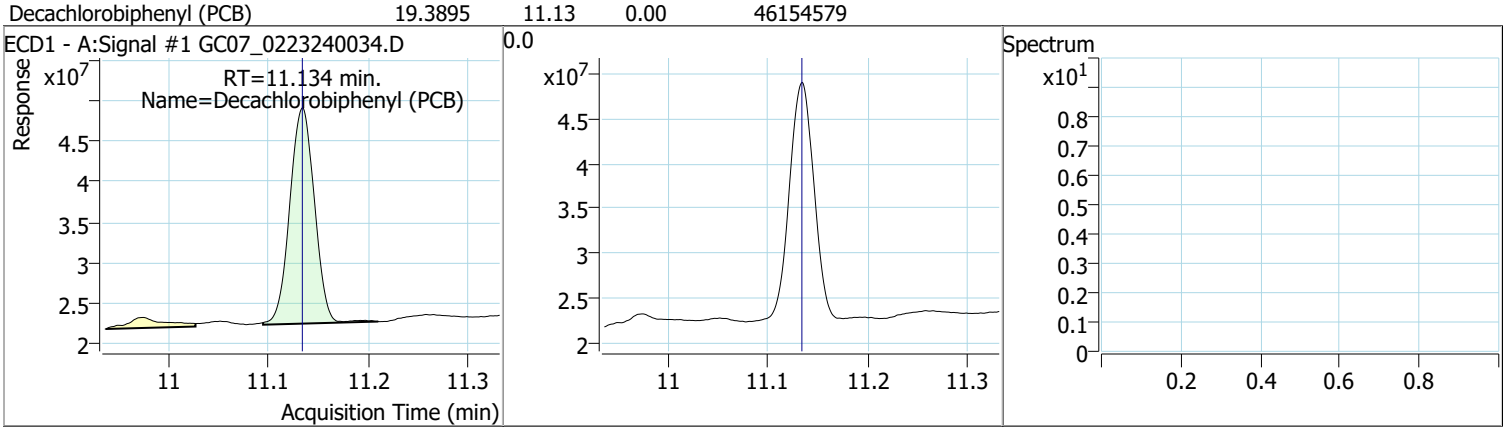
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 1.6910 | 10.27 | 0.00 | 47529 | | | | |



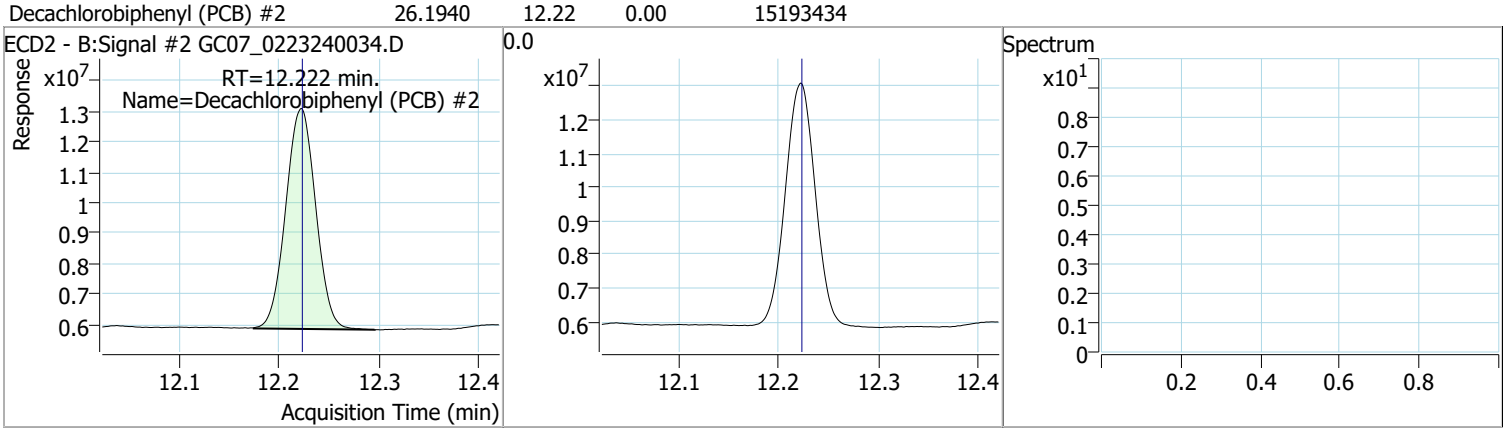

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 31.1952 | 11.01 | 0.08 | 1325084 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 19.3895 | 11.13 | 0.00 | 46154579 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 26.1940 | 12.22 | 0.00 | 15193434 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-004 | Client ID: | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA |
| Seqnum: | 464078296035 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240035 | Batch: | 333612 | Time: | 23-FEB-2024 18:18 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 56.35 | ug/L | ~~0.56~~ FP | 3.0 | 137% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 30.04 | ug/L | 0.30 | 1.19 | 119% | | | |
| Aroclor-1016 Peak # 2 | B | 75.40 | ug/L | 0.75 | 0.60 | 23% | | | |
| Aroclor-1016 Peak # 3 | B | 142.7 | ug/L | 1.43 | 3.02 | 72% | | | |
| Aroclor-1016 Peak # 4 | B | 25.33 | ug/L | 0.25 | 2.57 | 164% | | | |
| Aroclor-1016 Peak # 5 | B | 8.341 | ug/L | 0.08 | 7.82 | 196% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 98.59 | ug/L | ~~0.99~~ FP | 0.89 | 10% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 27.78 | ug/L | 0.28 | 2.66 | 162% | | | |
| Aroclor-1260 Peak # 2 | B | 16.60 | ug/L | 0.17 | 0.04 | 125% | | | |
| Aroclor-1260 Peak # 3 | B | 183.1 | ug/L | 1.83 | 0.19 | 162% | | | |
| Aroclor-1260 Peak # 4 | B | 262.4 | ug/L | 2.62 | 1.47 | 56% | | | |
| Aroclor-1260 Peak # 5 | B | 3.037 | ug/L | 0.03 | 0.11 | 113% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 29.19 | pg/uL | 0.5000 | 0.2919 | 58 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 26.94 | pg/uL | 0.5000 | 0.2694 | 54 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9295687 | 33.11 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 44075988 | 26.33 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

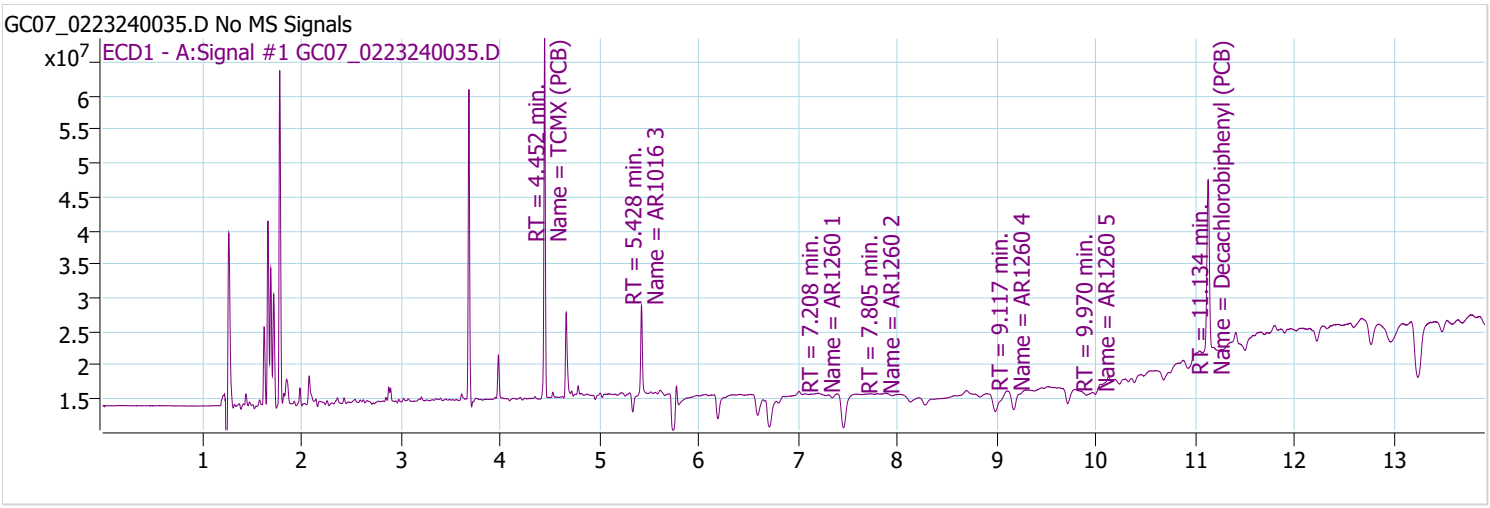
02/24/24 : WIPE/1S-10ML//

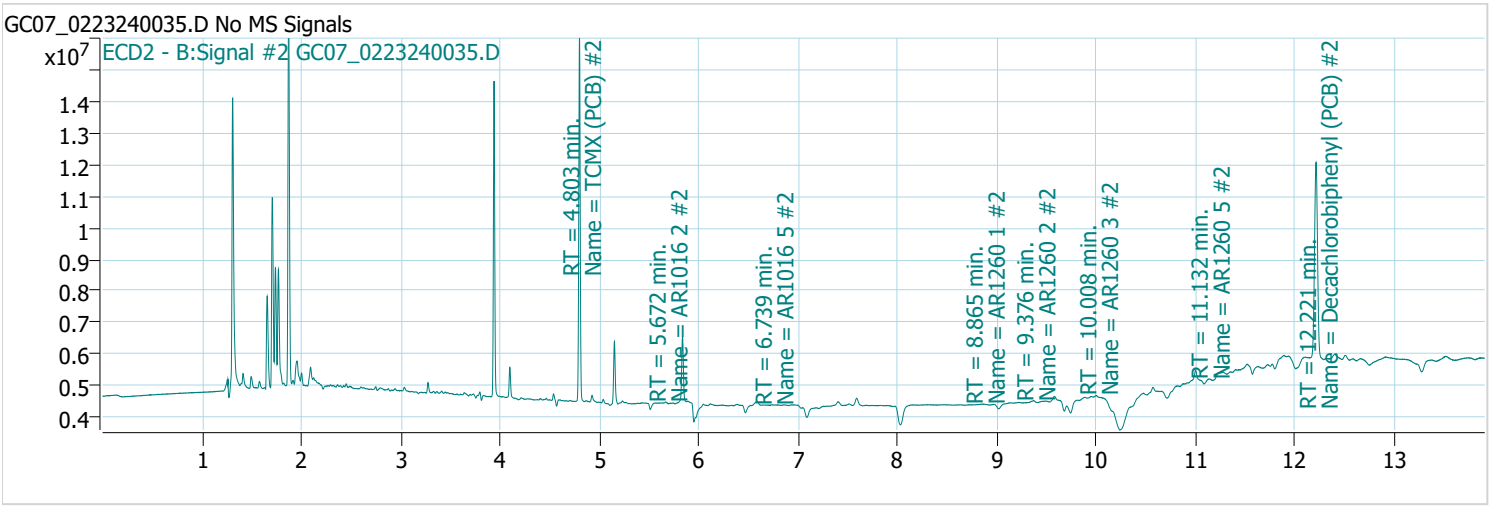
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240035.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 6:18:12 PM |
| Sample Name | 502501-004, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 6 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



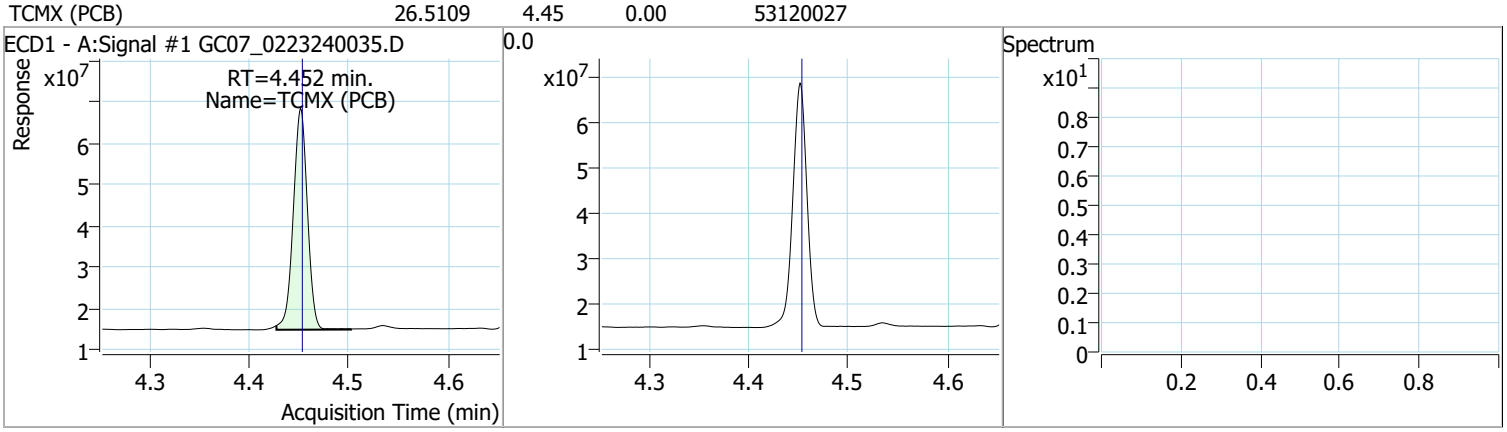




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 44075988.483 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 9295687.480 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 53120027.200 | 26.5109 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 132.55% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 11826789.410 | 29.1922 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 145.96% | | |
| S Decachlorobiphenyl (PCB) | 11.134 | 0.0 | 51572896.943 | 29.2828 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 146.41% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.221 | 0.0 | 14254921.717 | 26.9400 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 134.70% | | |
| **Target Compounds** | | | | | | QValue |

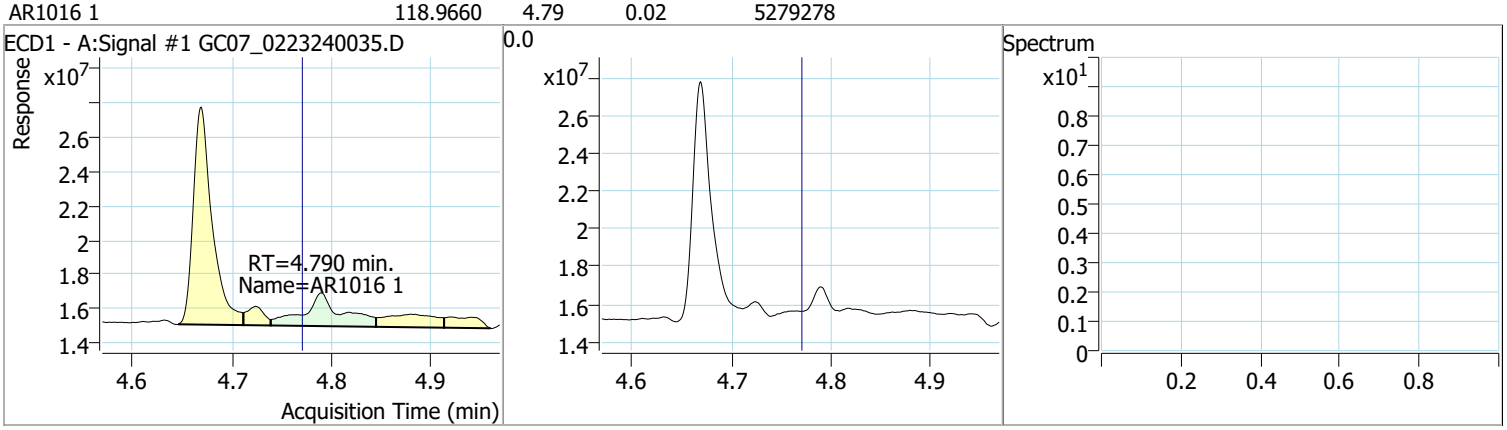
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.790 | 0.0 | 5279278.029 | 118.9660 | ng/ml | 100 |
| T AR1016 2 | 5.102 | 0.0 | 4677735.293 | 59.8769 | ng/ml | 100 |
| T AR1016 1 #2 | 5.236 | 0.0 | 260604.062 | 30.0370 | ng/ml | 100 |
| T AR1016 3 | 5.428 | 0.0 | 31351550.101 | 301.6043 | ng/ml | 100 |
| T AR1016 4 | 5.618 | 0.0 | 18032679.814 | 257.3862 | ng/ml | 100 |
| T AR1016 2 #2 | 5.672 | 0.0 | 1305083.760 | 75.4006 | ng/ml | 100 |
| T AR1016 5 | 5.779 | 0.0 | 48549861.667 | 782.4658 | ng/ml | 100 |
| T AR1016 3 #2 | 6.120 | 0.0 | 3395165.942 | 142.6582 | ng/ml | 100 |
| T AR1016 4 #2 | 6.228 | 0.0 | 398672.393 | 25.3310 | ng/ml | 100 |
| T AR1016 5 #2 | 6.739 | 0.0 | 105913.547 | 8.3410 | ng/ml | 100 |
| T AR1260 1 | 7.208 | 0.0 | 33140906.656 | 266.3635 | ng/ml | 100 |
| T AR1260 2 | 7.805 | 0.0 | 762232.777 | 3.8209 | ng/ml | 100 |
| T AR1260 3 | 8.217 | 0.0 | 4332873.364 | 19.1771 | ng/ml | 100 |
| T AR1260 1 #2 | 8.865 | 0.0 | 823010.085 | 27.7815 | ng/ml | 100 |
| T AR1260 4 | 9.117 | 0.0 | 18639370.947 | 147.0902 | ng/ml | 100 |
| T AR1260 2 #2 | 9.376 | 0.0 | 537889.333 | 16.6033 | ng/ml | 100 |
| T AR1260 3 #2 | 10.008 | 0.0 | 4082723.767 | 183.0891 | ng/ml | 100 |
| T AR1260 5 | 9.970 | 0.0 | 1423484.302 | 10.9520 | ng/ml | 100 |
| T AR1260 4 #2 | 10.067 | 0.0 | 6728929.350 | 262.4280 | ng/ml | 100 |
| T AR1260 5 #2 | 11.132 | 0.0 | 117698.584 | 3.0374 | ng/ml | 100 |

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

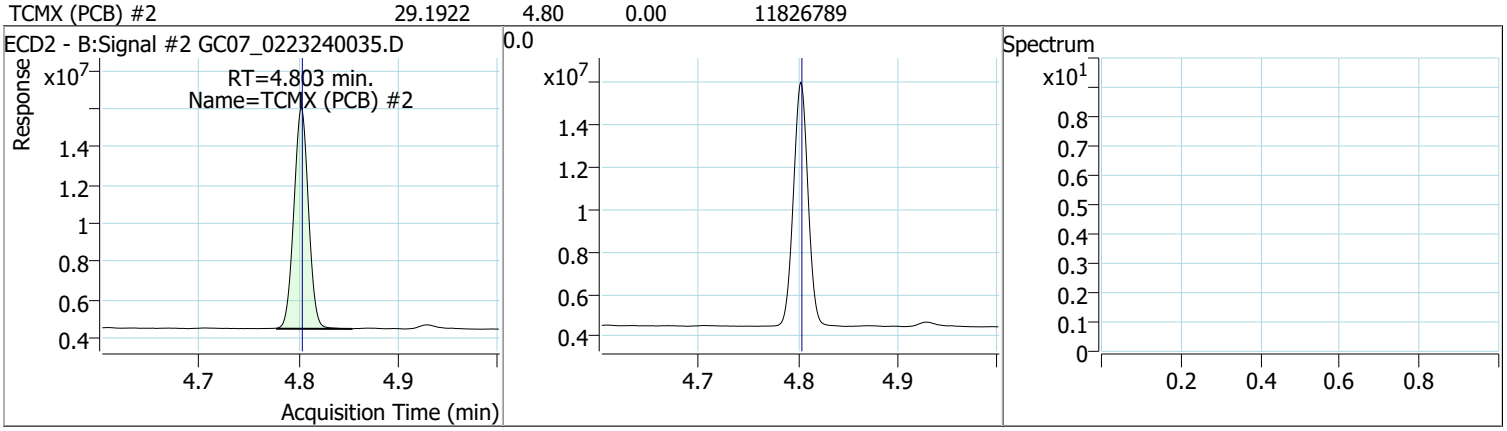
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 26.5109 | 4.45 | 0.00 | 53120027 | | | | |



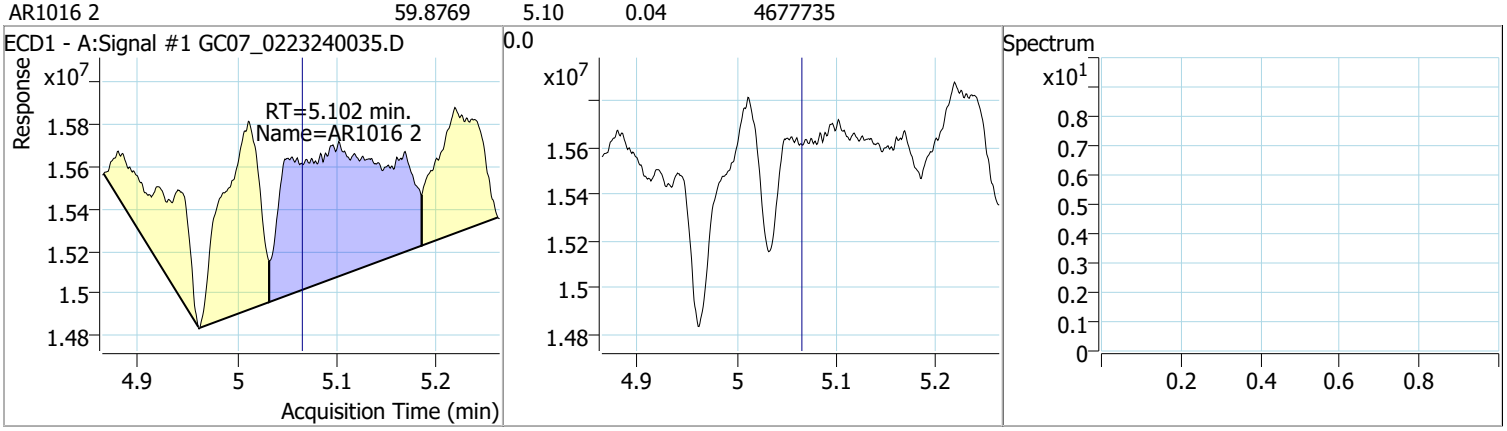

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 118.9660 | 4.79 | 0.02 | 5279278 | | | | |



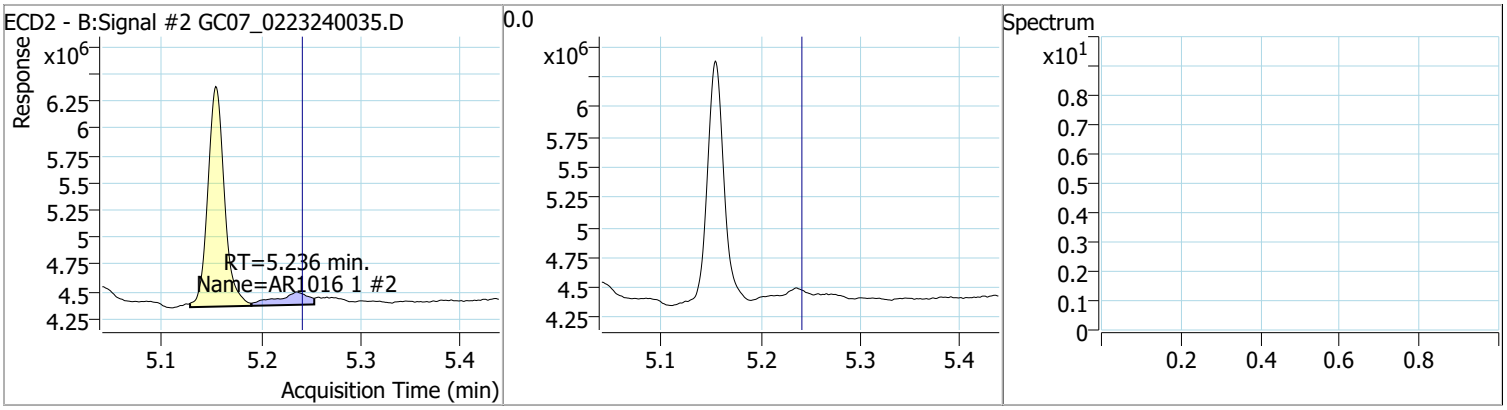

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 29.1922 | 4.80 | 0.00 | 11826789 | | | | |



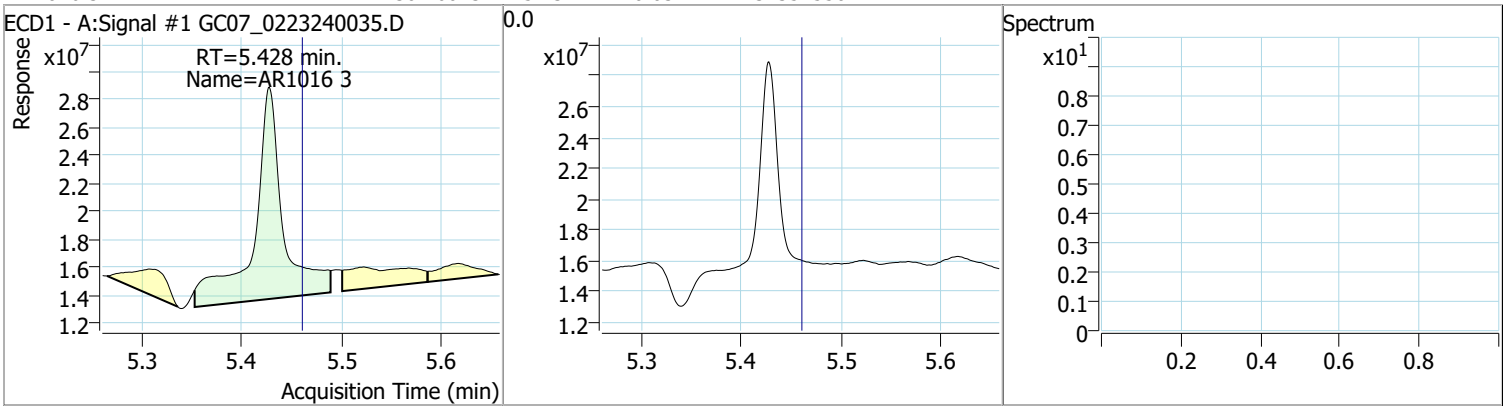

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 59.8769 | 5.10 | 0.04 | 4677735 | | | | |



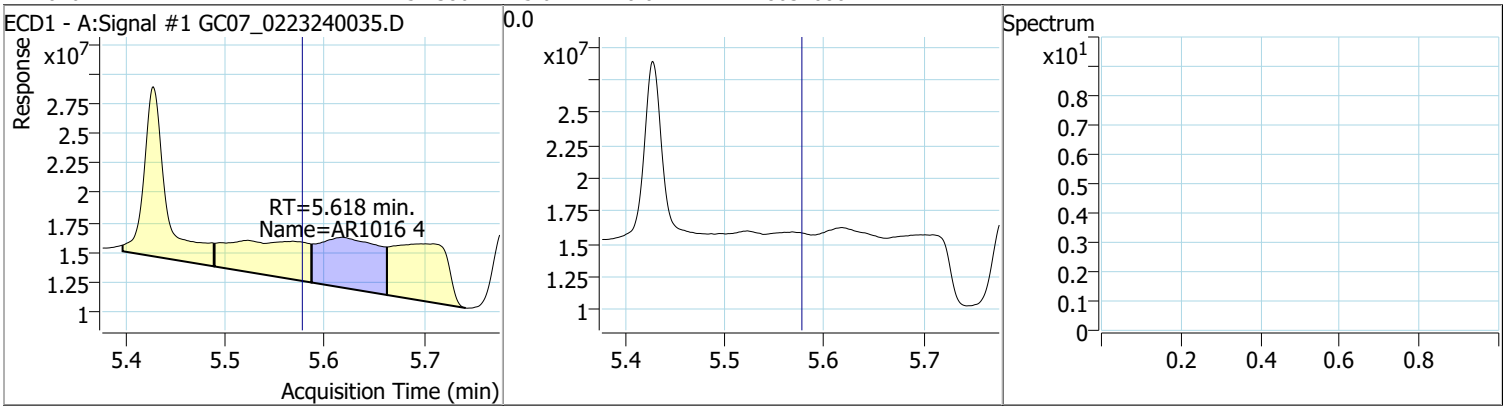
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 30.0370 | 5.24 | 0.00 | 260604 | | | | |



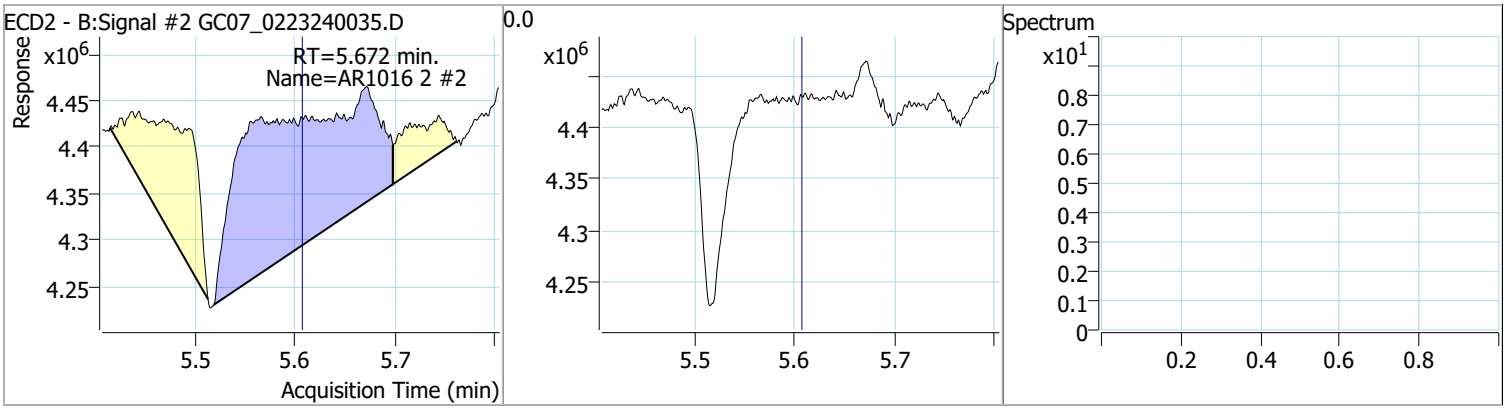

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 301.6043 | 5.43 | -0.03 | 31351550 | | | | |



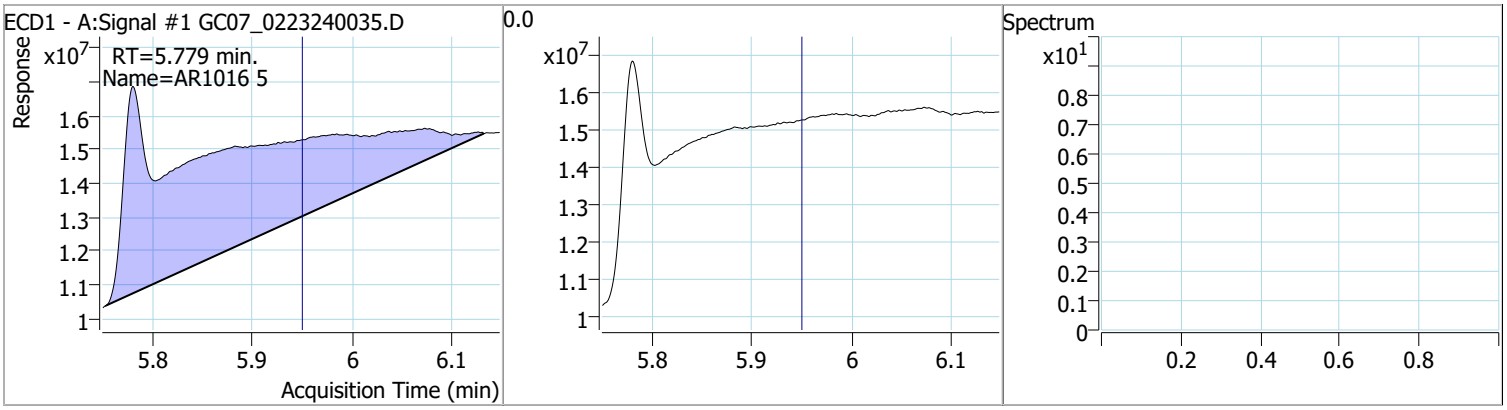

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 257.3862 | 5.62 | 0.04 | 18032680 | | | | |



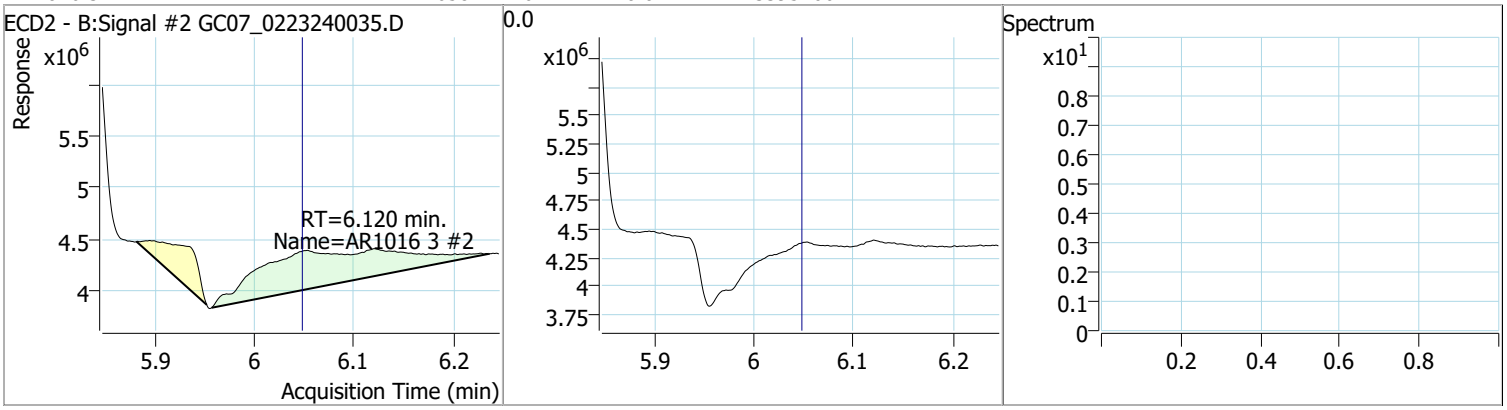

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 75.4006 | 5.67 | 0.07 | 1305084 | | | | |



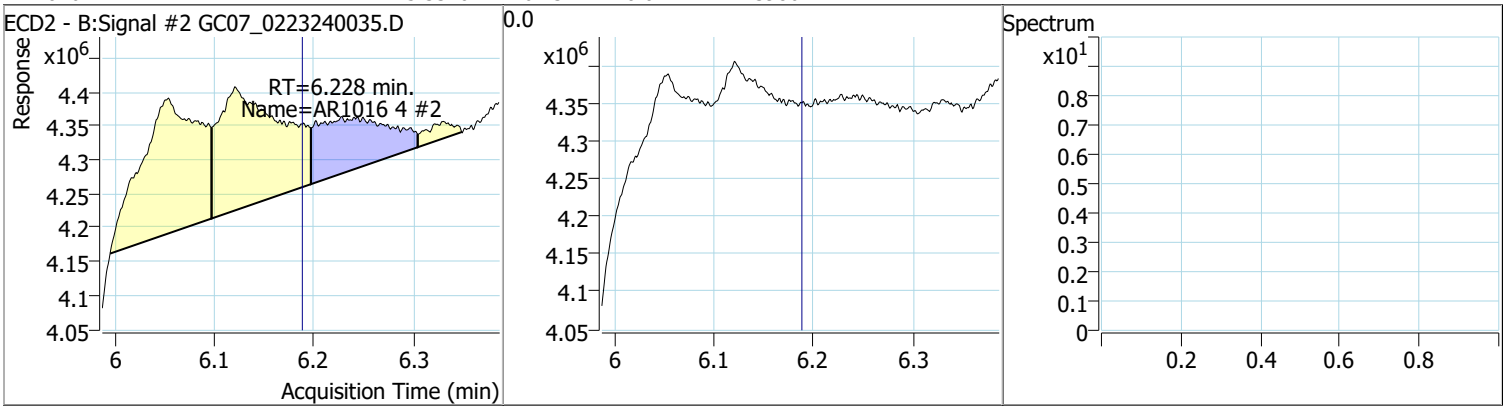
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 782.4658 | 5.78 | -0.17 | 48549862 | | | | |



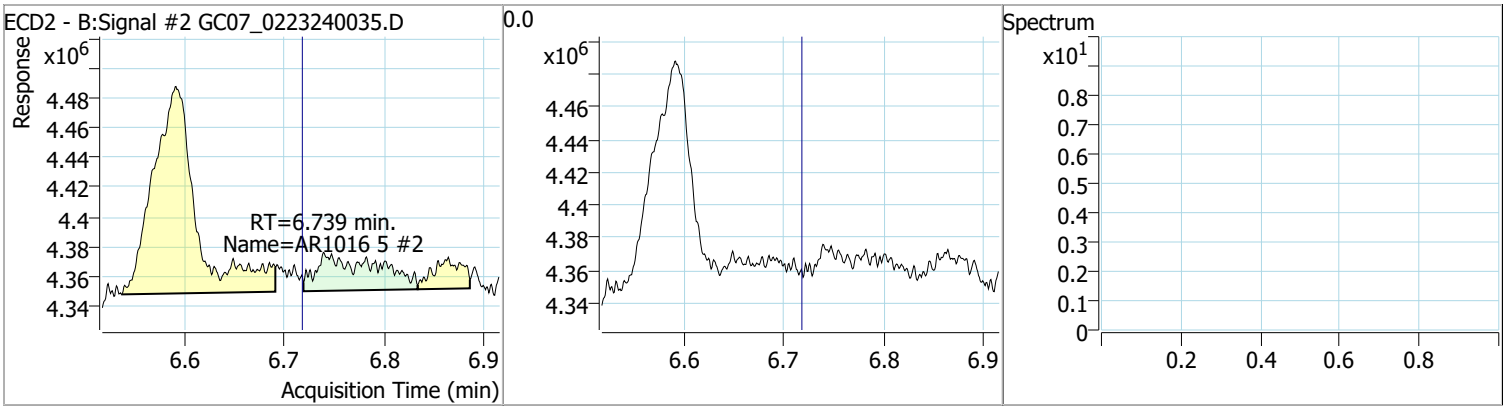

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 142.6582 | 6.12 | 0.07 | 3395166 | | | | |



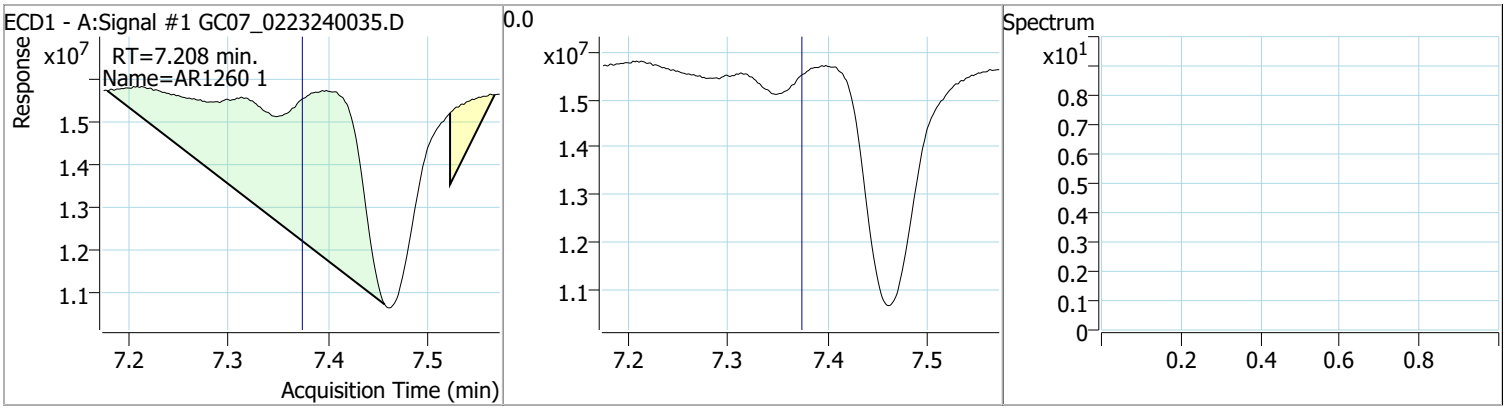

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 25.3310 | 6.23 | 0.04 | 398672 | | | | |



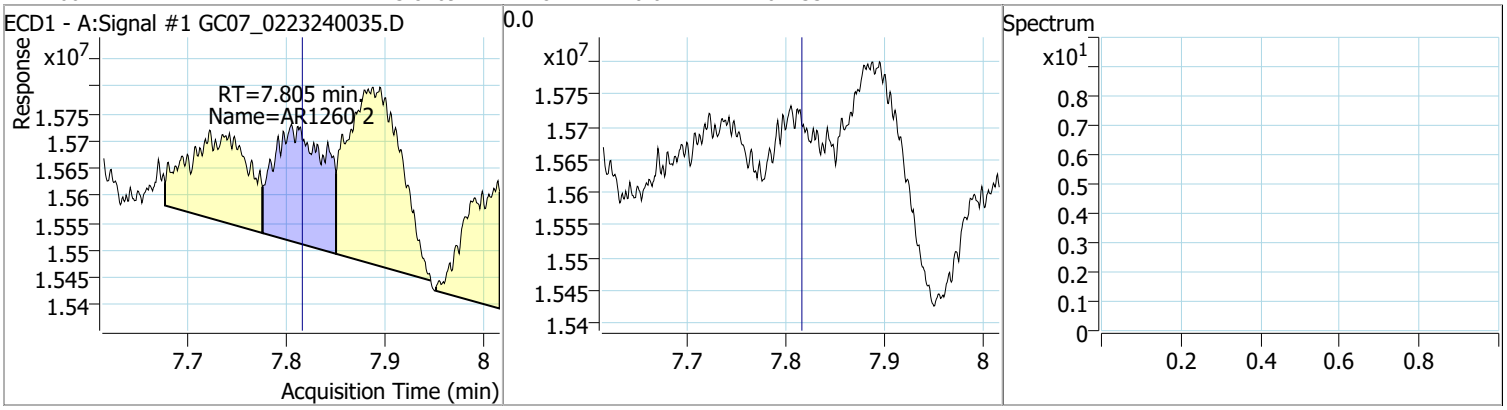

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 8.3410 | 6.74 | 0.02 | 105914 | | | | |



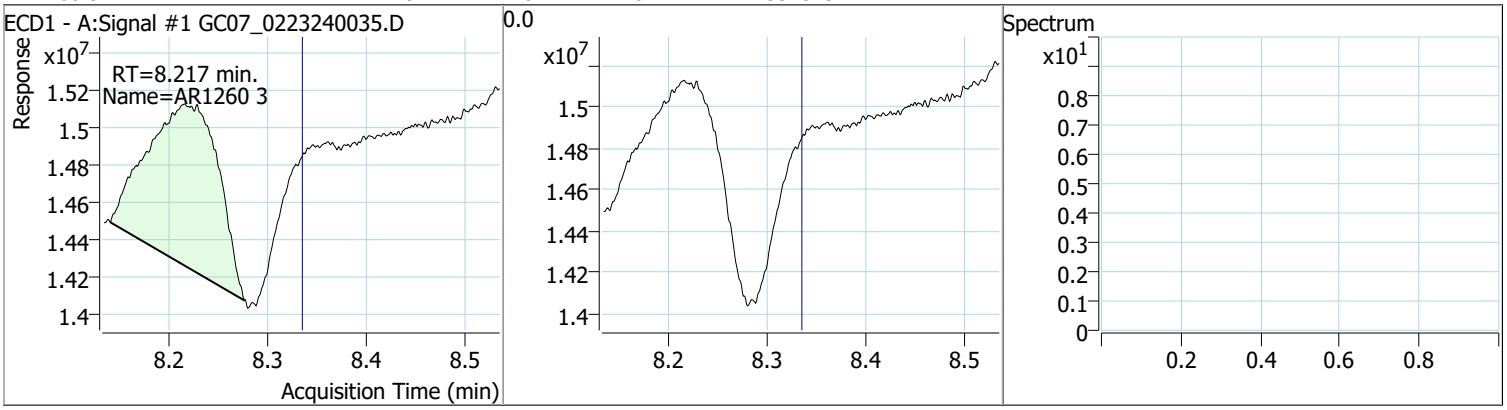
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 266.3635 | 7.21 | -0.17 | 33140907 | | | | |



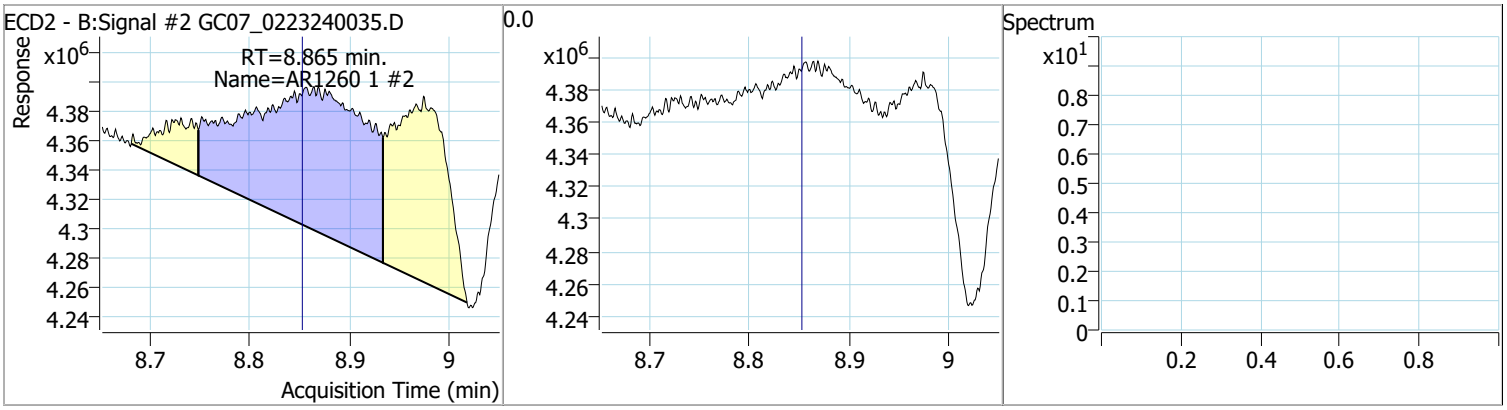

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 3.8209 | 7.81 | -0.01 | 762233 | | | | |



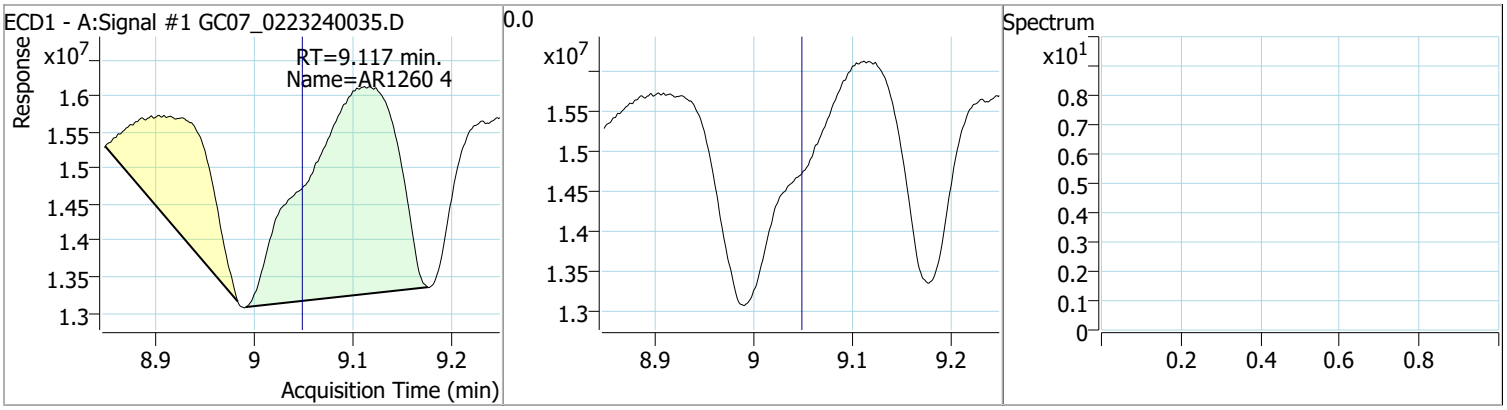

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 19.1771 | 8.22 | -0.12 | 4332873 | | | | |



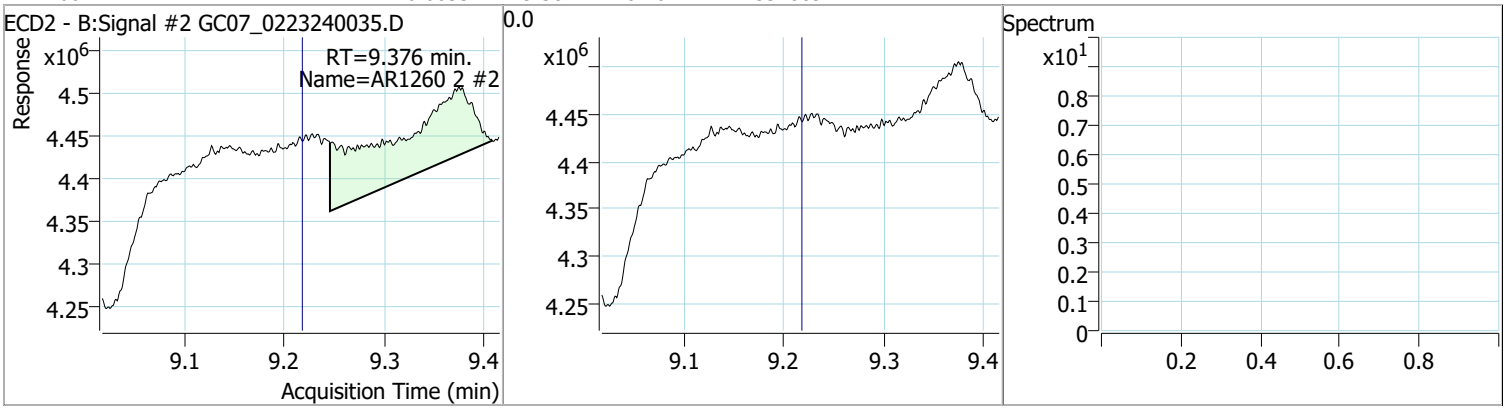

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 27.7815 | 8.87 | 0.01 | 823010 | | | | |



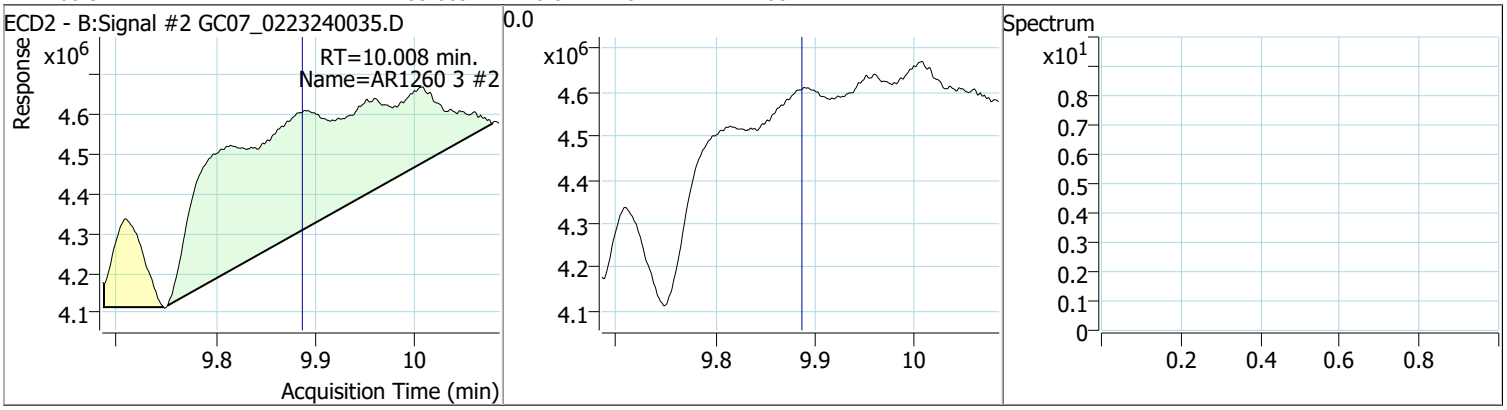
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 147.0902 | 9.12 | 0.07 | 18639371 | | | | |



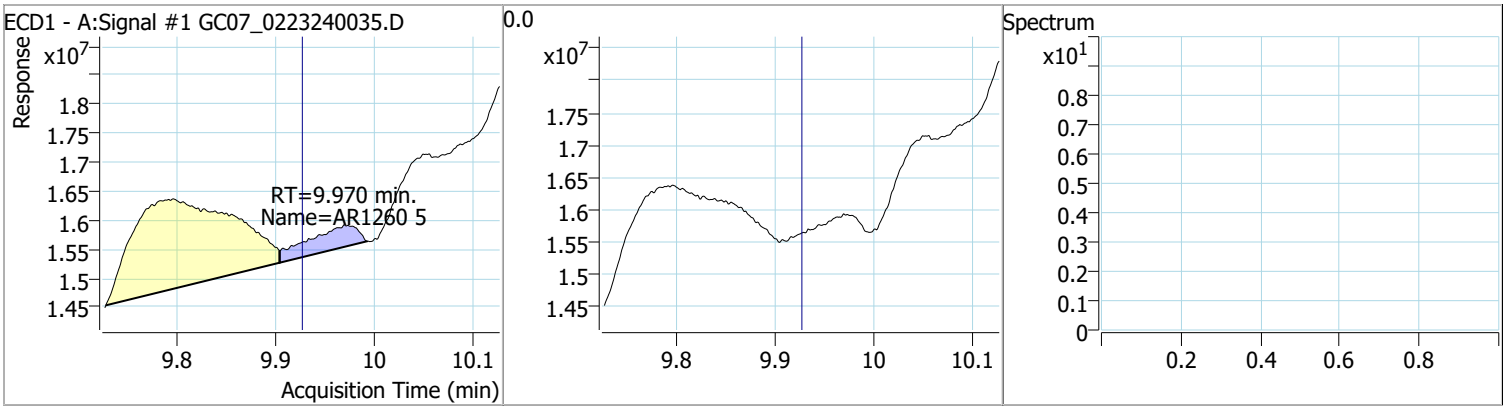

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 16.6033 | 9.38 | 0.16 | 537889 | | | | |



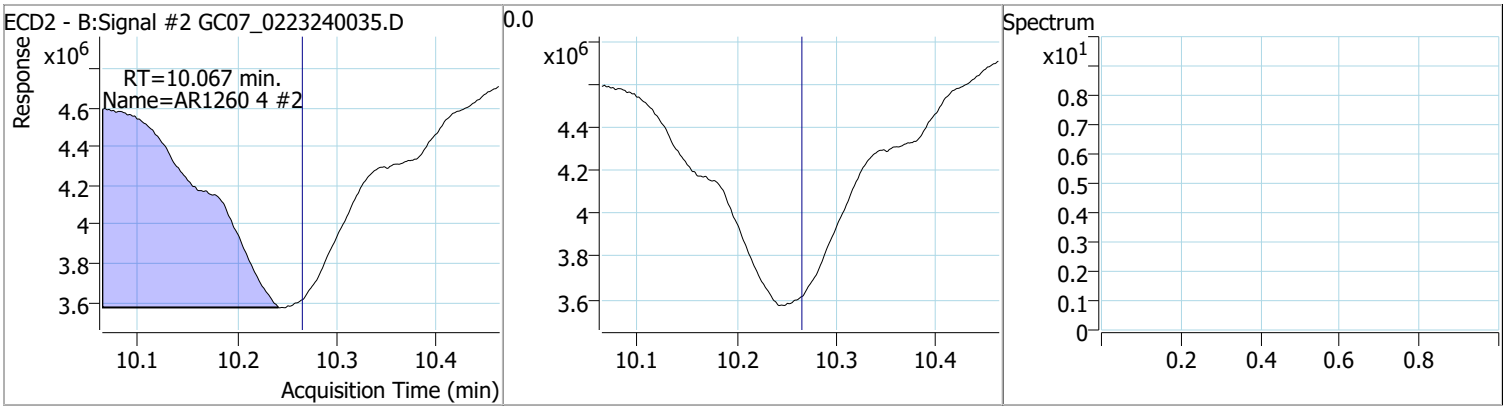

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 183.0891 | 10.01 | 0.12 | 4082724 | | | | |



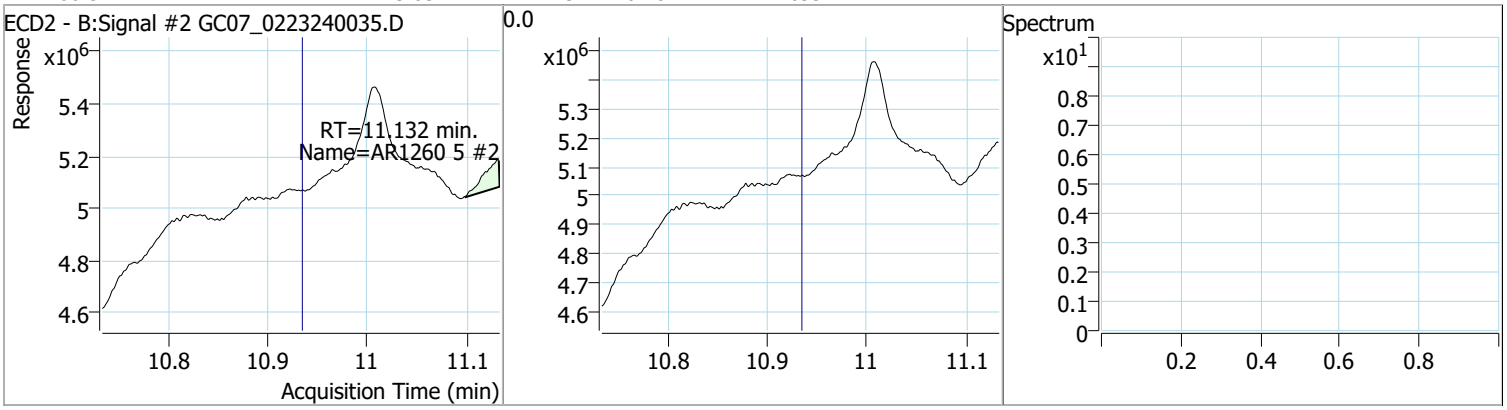

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 10.9520 | 9.97 | 0.04 | 1423484 | | | | |



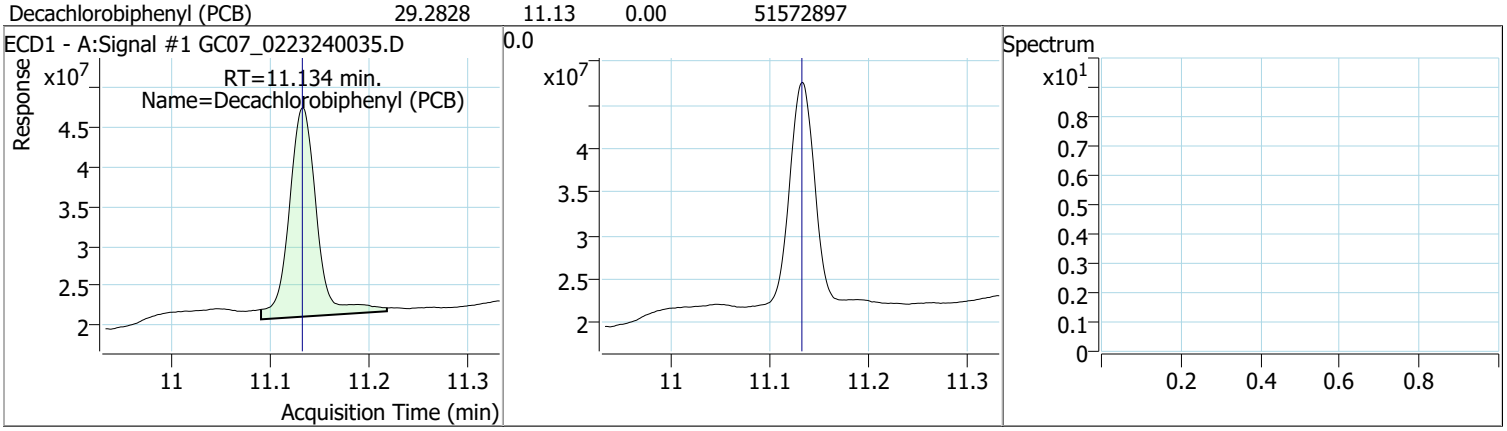
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 262.4280 | 10.07 | -0.20 | 6728929 | | | | |



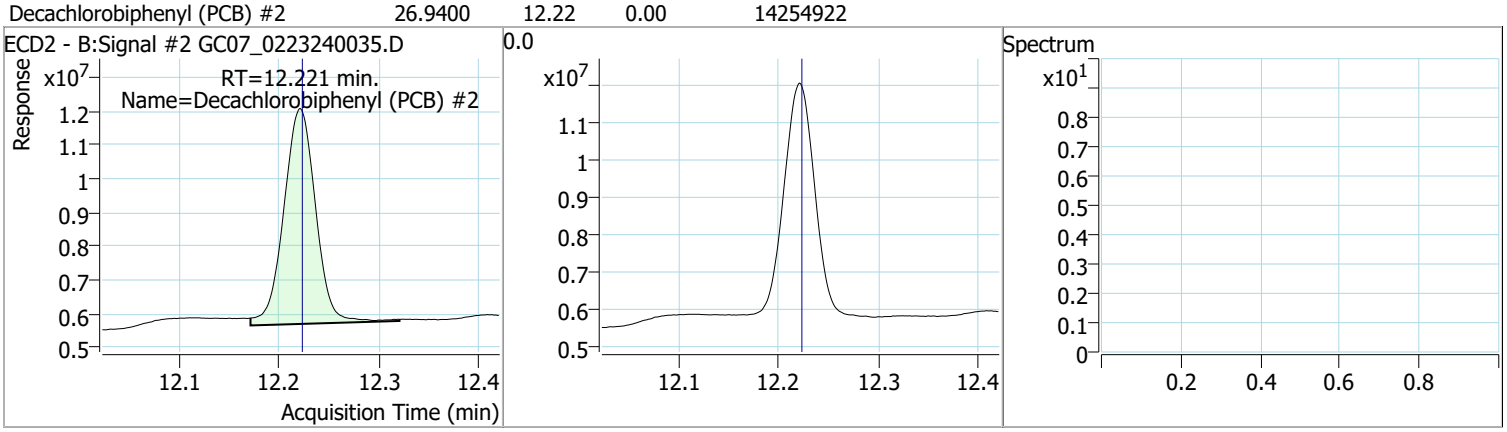

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 3.0374 | 11.13 | 0.20 | 117699 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 29.2828 | 11.13 | 0.00 | 51572897 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 26.9400 | 12.22 | 0.00 | 14254922 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-006 | Client ID: | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA |
| Seqnum: | 464078296036 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240036 | Batch: | 333612 | Time: | 23-FEB-2024 18:35 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 50.25 | ug/L | ~~0.50~~ FP | 3.7 | 152% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 62.46 | ug/L | 0.62 | 2.39 | 117% | | | |
| Aroclor-1016 Peak # 2 | B | 83.98 | ug/L | 0.84 | 0.32 | 89% | | | |
| Aroclor-1016 Peak # 3 | B | 86.59 | ug/L | 0.87 | 5.14 | 142% | | | |
| Aroclor-1016 Peak # 4 | B | 13.63 | ug/L | 0.14 | 4.73 | 189% | | | |
| Aroclor-1016 Peak # 5 | B | 4.597 | ug/L | 0.05 | 5.75 | 197% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 175.2 | ug/L | ~~1.8~~ FP | 0.82 | 73% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 29.89 | ug/L | 0.30 | 2.44 | 156% | | | |
| Aroclor-1260 Peak # 2 | B | 17.95 | ug/L | 0.18 | 0.04 | 130% | | | |
| Aroclor-1260 Peak # 3 | B | 185.6 | ug/L | 1.86 | 0.22 | 157% | | | |
| Aroclor-1260 Peak # 4 | B | 585.6 | ug/L | 5.86 | 1.34 | 126% | | | |
| Aroclor-1260 Peak # 5 | B | 57.04 | ug/L | 0.57 | 0.05 | 165% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 28.76 | pg/uL | 0.5000 | 0.2876 | 58 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 25.44 | pg/uL | 0.5000 | 0.2544 | 51 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 10327959 | 47.89 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 48949471 | 40.30 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

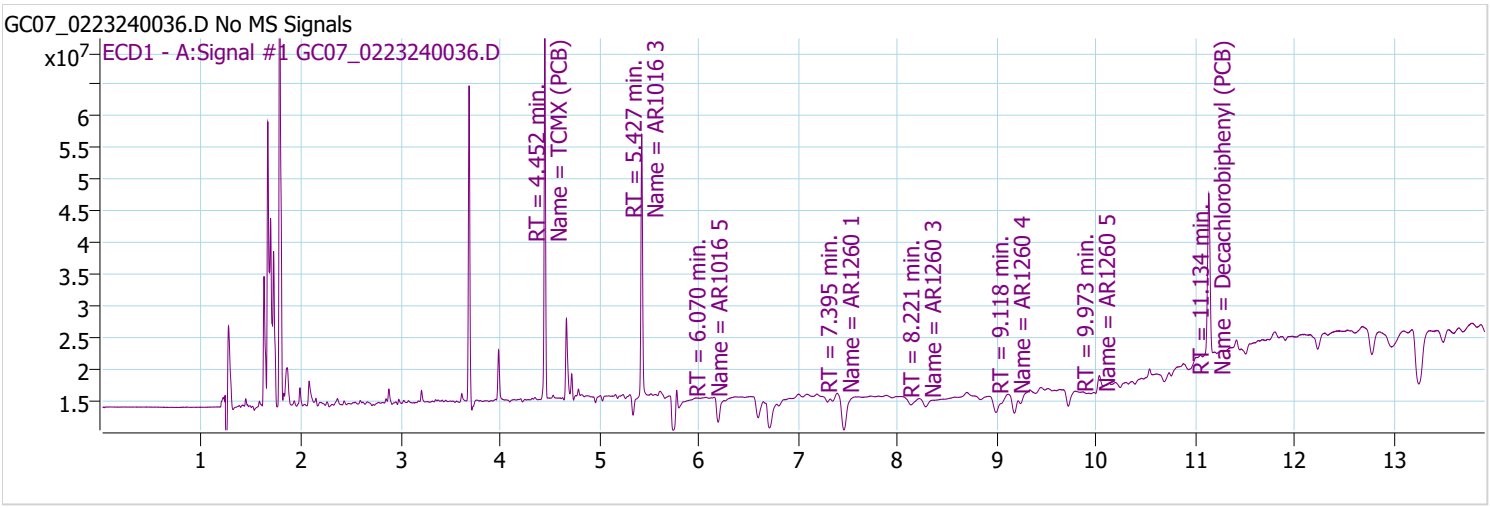
02/24/24 : WIPE/1S-10ML//

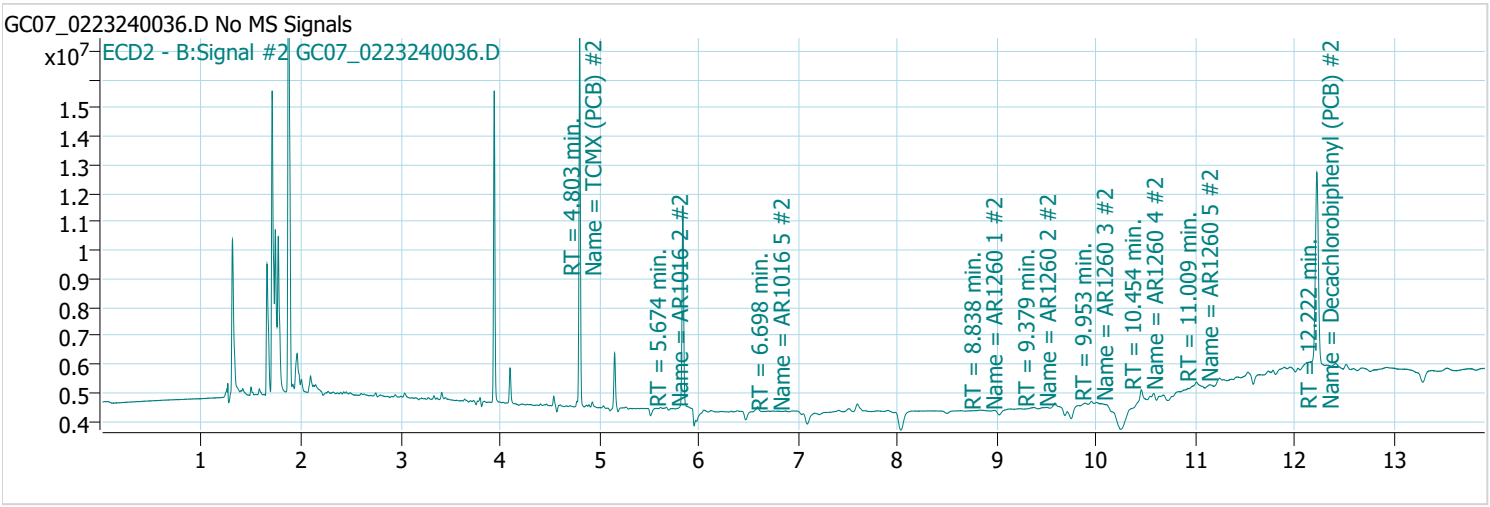
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240036.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 6:35:41 PM |
| Sample Name | 502501-006, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 7 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



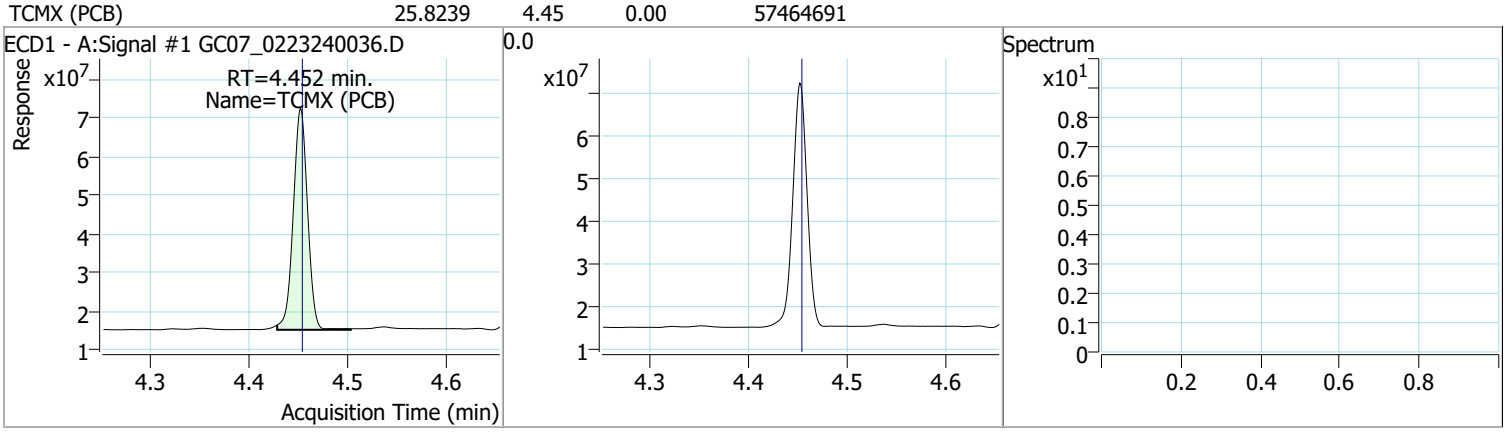




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 48949471.310 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 10327959.068 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 57464690.827 | 25.8239 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 129.12% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 12943654.402 | 28.7557 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 143.78% | | |
| S Decachlorobiphenyl (PCB) | 11.134 | 0.0 | 50321654.619 | 25.7277 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 128.64% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.222 | 0.0 | 14955980.677 | 25.4399 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 127.20% | | |
| **Target Compounds** | | | | | | QValue |

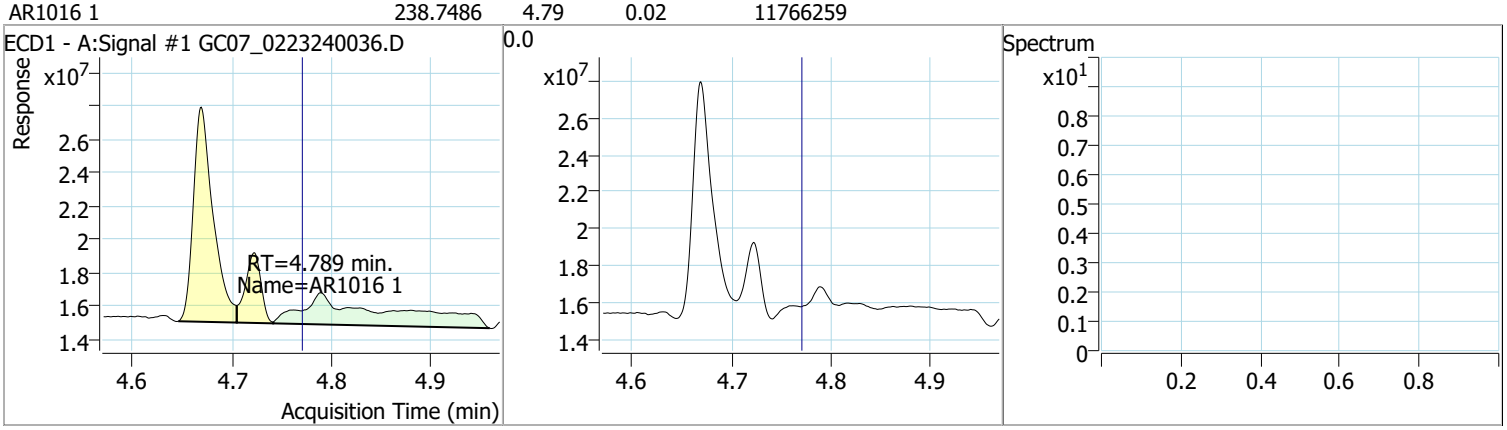
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.789 | 0.0 | 11766259.135 | 238.7486 | ng/ml | 100 |
| T AR1016 2 | 5.012 | 0.0 | 2789635.081 | 32.1533 | ng/ml | 100 |
| T AR1016 1 #2 | 5.266 | 0.0 | 602069.444 | 62.4581 | ng/ml | 100 |
| T AR1016 3 | 5.427 | 0.0 | 59343865.071 | 514.0536 | ng/ml | 100 |
| T AR1016 4 | 5.616 | 0.0 | 36792534.206 | 472.8667 | ng/ml | 100 |
| T AR1016 2 #2 | 5.674 | 0.0 | 1615082.578 | 83.9843 | ng/ml | 100 |
| T AR1016 5 | 6.070 | 0.0 | 39613220.262 | 574.8725 | ng/ml | 100 |
| T AR1016 3 #2 | 6.053 | 0.0 | 2289627.747 | 86.5900 | ng/ml | 100 |
| T AR1016 4 #2 | 6.170 | 0.0 | 238336.016 | 13.6299 | ng/ml | 100 |
| T AR1016 5 #2 | 6.698 | 0.0 | 64858.766 | 4.5973 | ng/ml | 100 |
| T AR1260 1 | 7.395 | 0.0 | 33652123.998 | 243.5437 | ng/ml | 100 |
| T AR1260 2 | 7.813 | 0.0 | 850933.716 | 3.8409 | ng/ml | 100 |
| T AR1260 3 | 8.221 | 0.0 | 5641180.858 | 22.4818 | ng/ml | 100 |
| T AR1260 1 #2 | 8.838 | 0.0 | 983798.448 | 29.8898 | ng/ml | 100 |
| T AR1260 4 | 9.118 | 0.0 | 18795381.198 | 133.5542 | ng/ml | 100 |
| T AR1260 2 #2 | 9.379 | 0.0 | 646247.626 | 17.9542 | ng/ml | 100 |
| T AR1260 3 #2 | 9.953 | 0.0 | 4597876.251 | 185.5824 | ng/ml | 100 |
| T AR1260 5 | 9.973 | 0.0 | 791975.702 | 5.4867 | ng/ml | 100 |
| T AR1260 4 #2 | 10.454 | 0.0 | 16683493.327 | 585.6232 | ng/ml | 100 |
| T AR1260 5 #2 | 11.009 | 0.0 | 2455858.044 | 57.0429 | ng/ml | 100 |

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

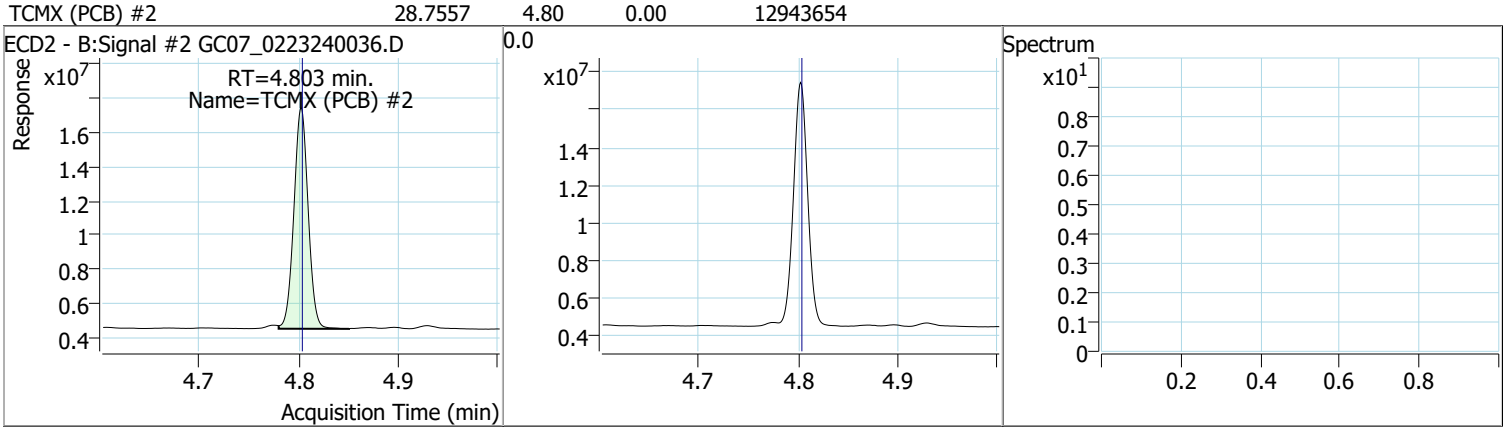
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 25.8239 | 4.45 | 0.00 | 57464691 | | | | |



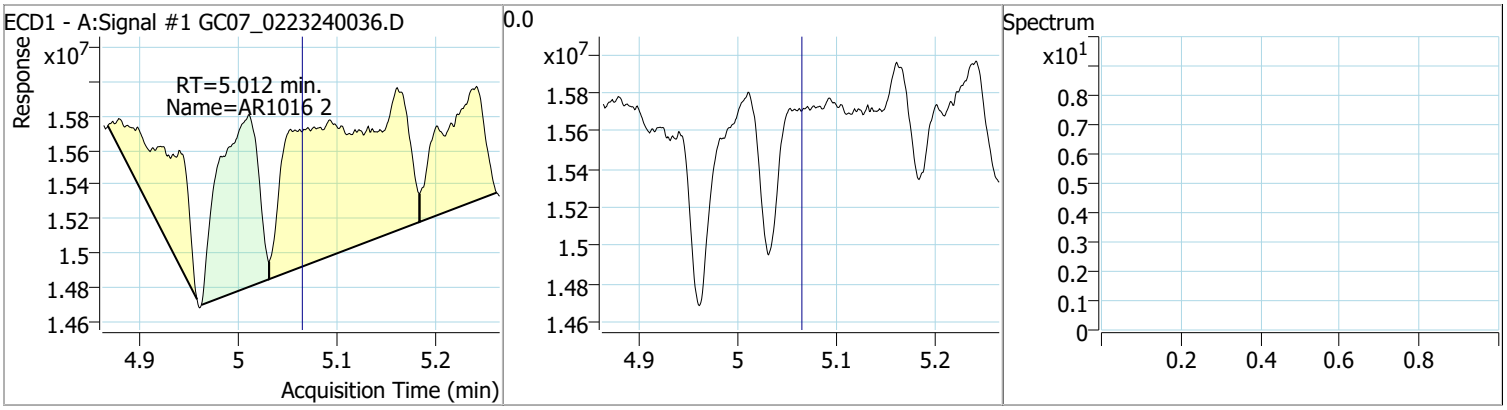

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 238.7486 | 4.79 | 0.02 | 11766259 | | | | |



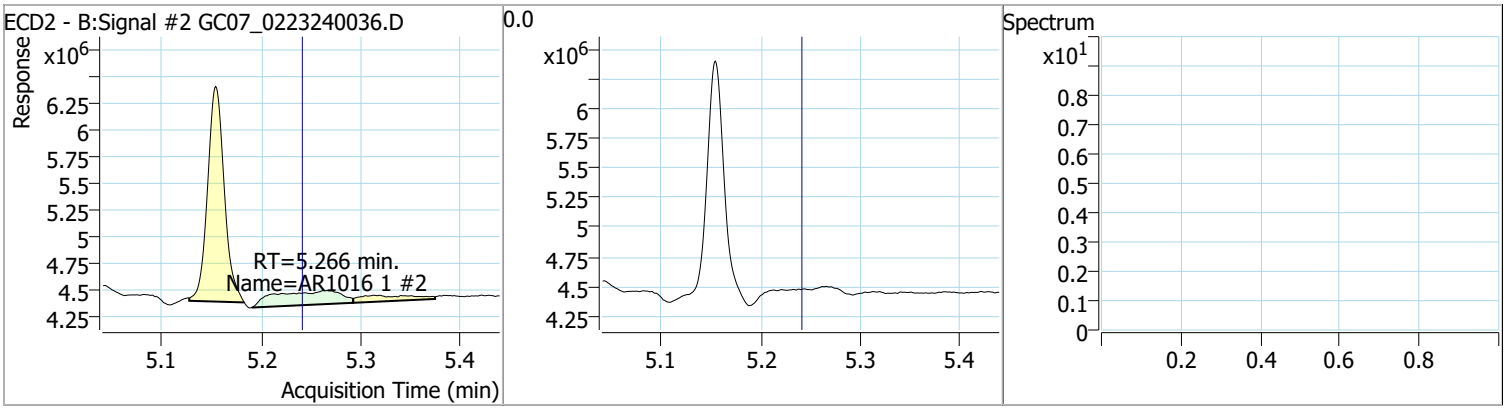

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 28.7557 | 4.80 | 0.00 | 12943654 | | | | |



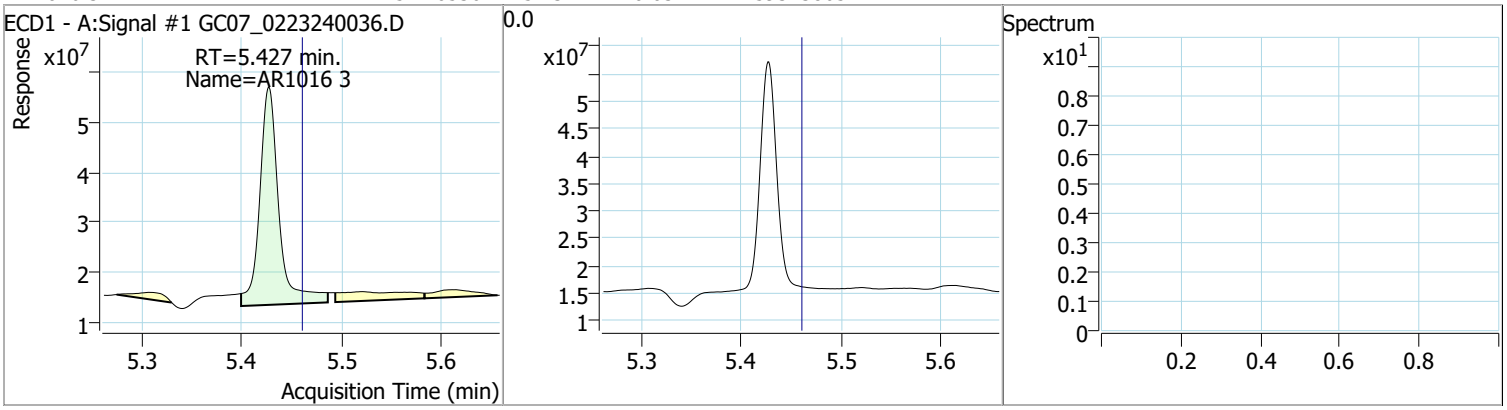

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 32.1533 | 5.01 | -0.05 | 2789635 | | | | |



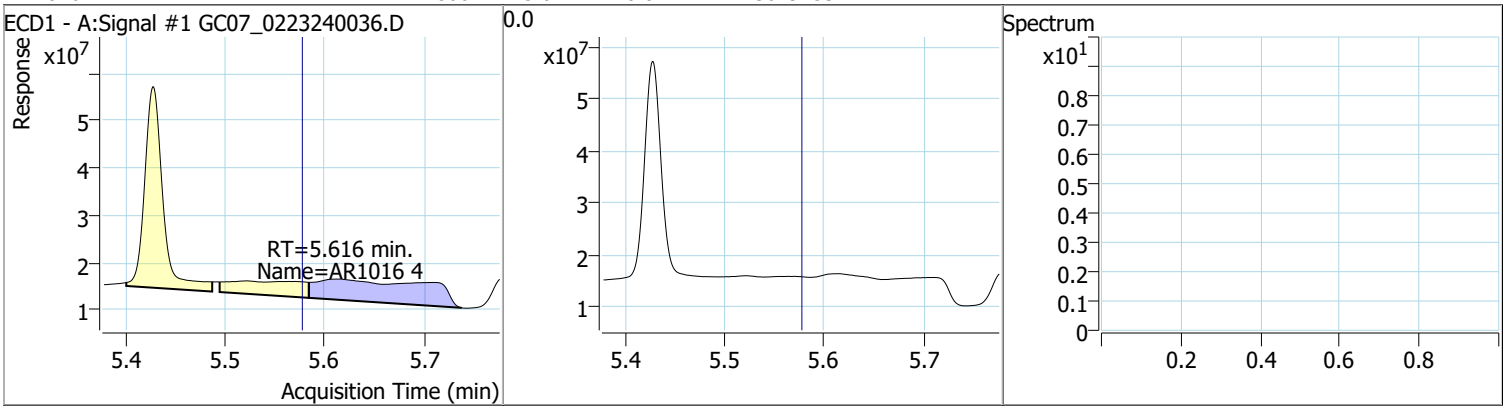
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 62.4581 | 5.27 | 0.03 | 602069 | | | | |



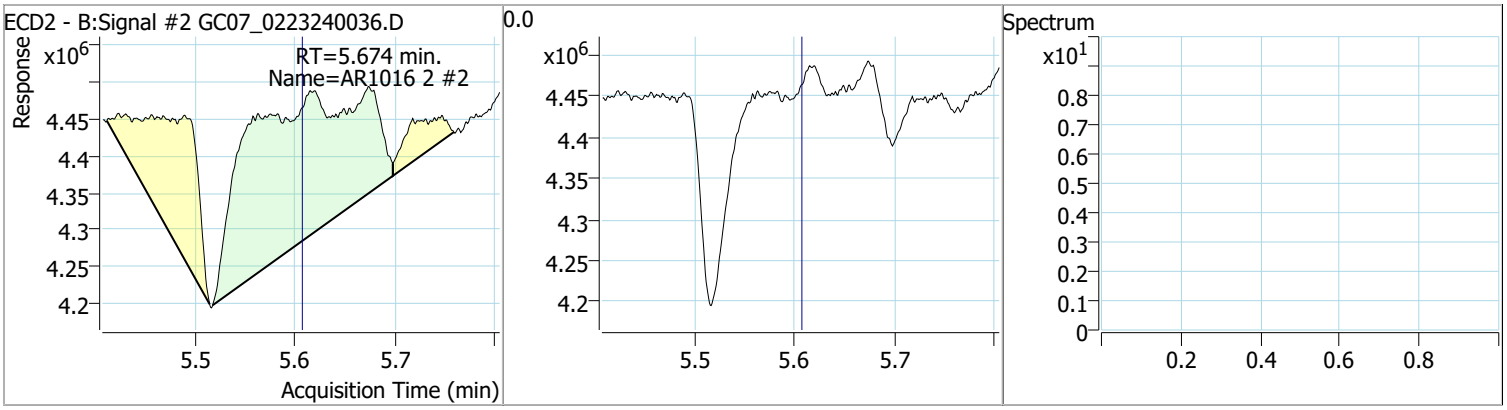

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 514.0536 | 5.43 | -0.03 | 59343865 | | | | |



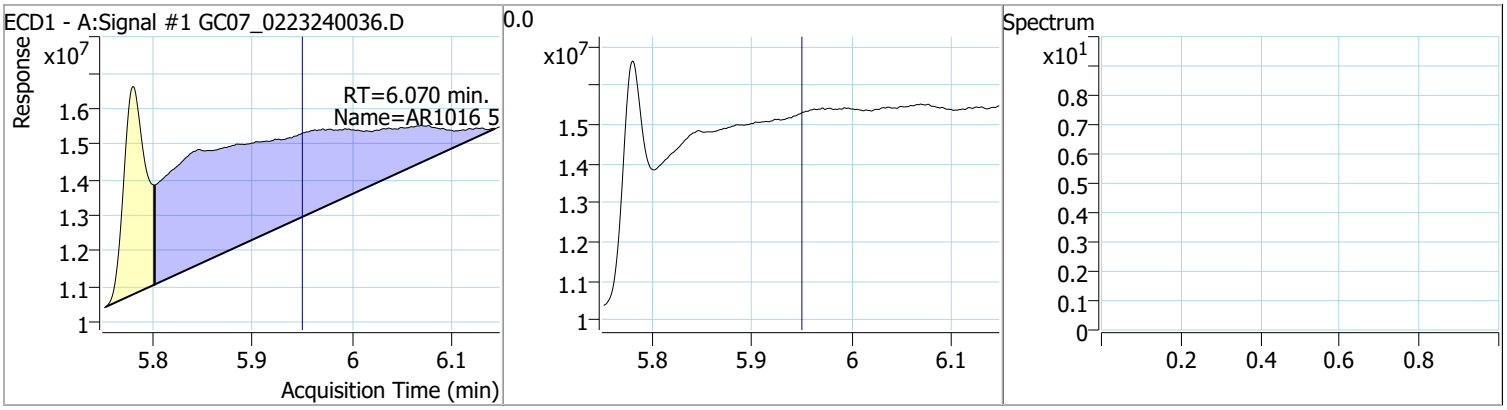

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 472.8667 | 5.62 | 0.04 | 36792534 | | | | |



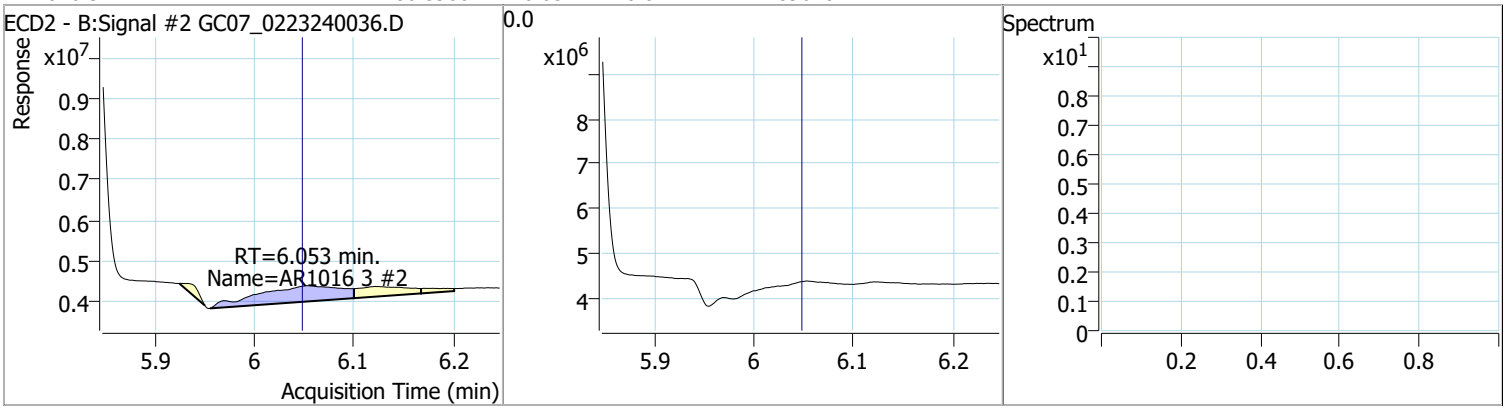

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 83.9843 | 5.67 | 0.07 | 1615083 | | | | |



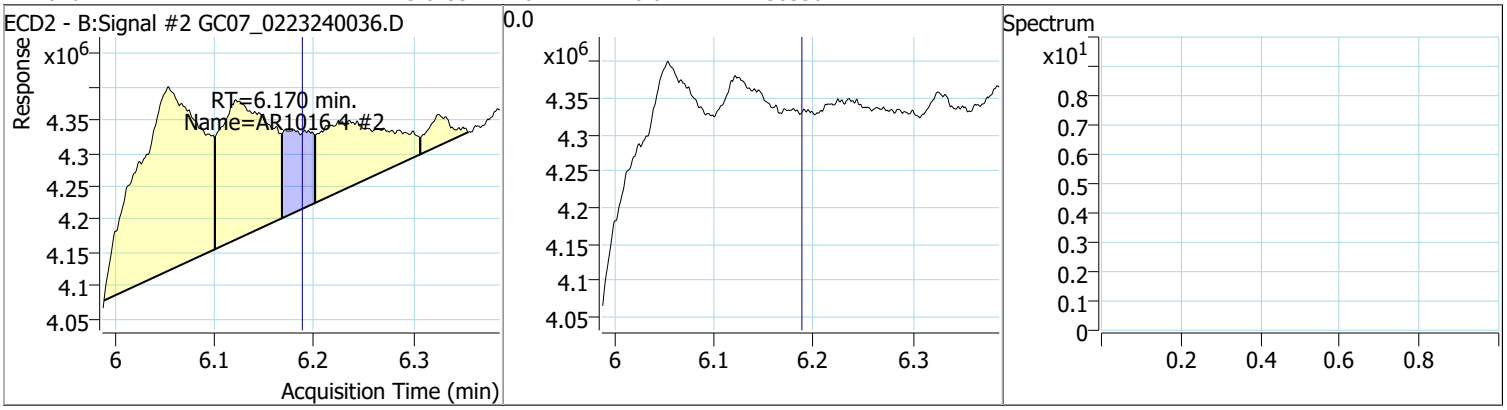
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 574.8725 | 6.07 | 0.12 | 39613220 | | | | |



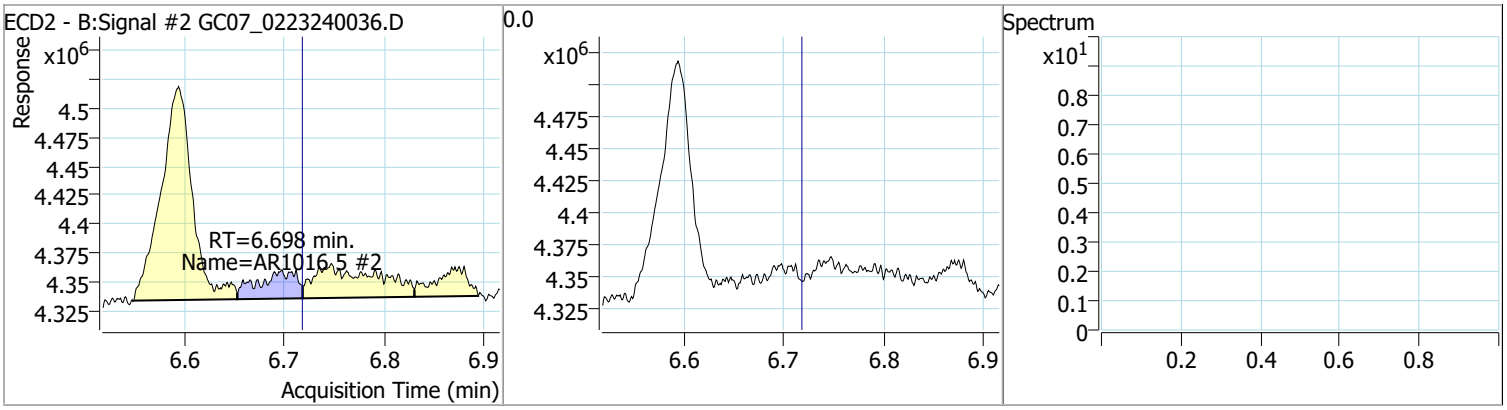

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 86.5900 | 6.05 | 0.01 | 2289628 | | | | |



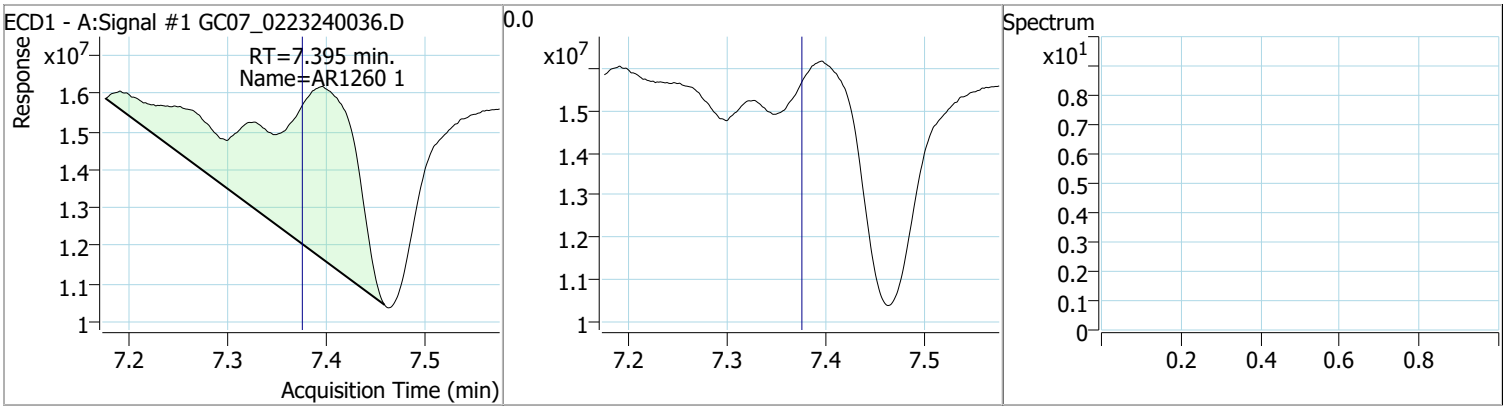

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 13.6299 | 6.17 | -0.02 | 238336 | | | | |



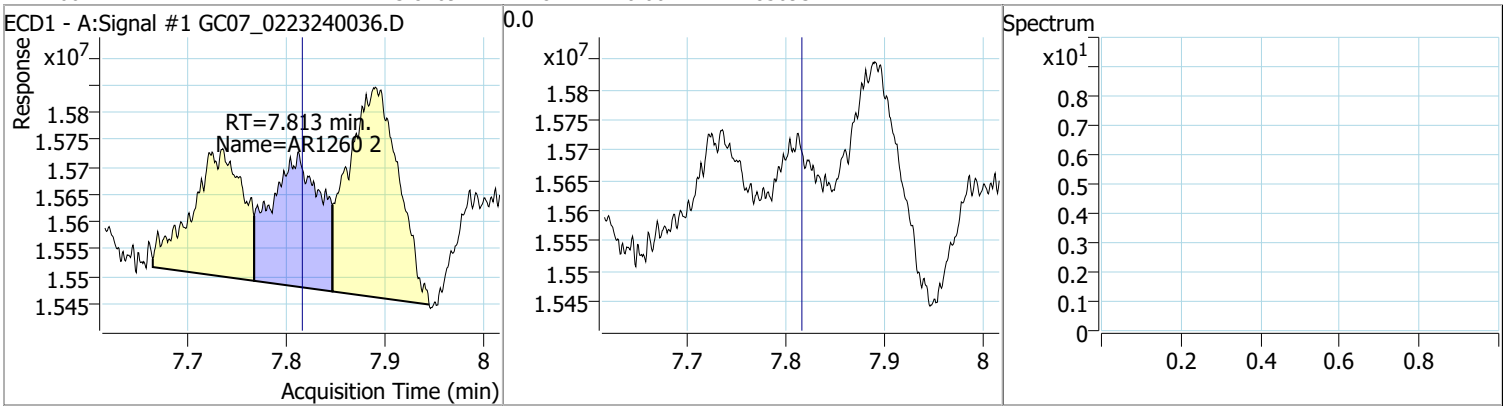

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 4.5973 | 6.70 | -0.02 | 64859 | | | | |



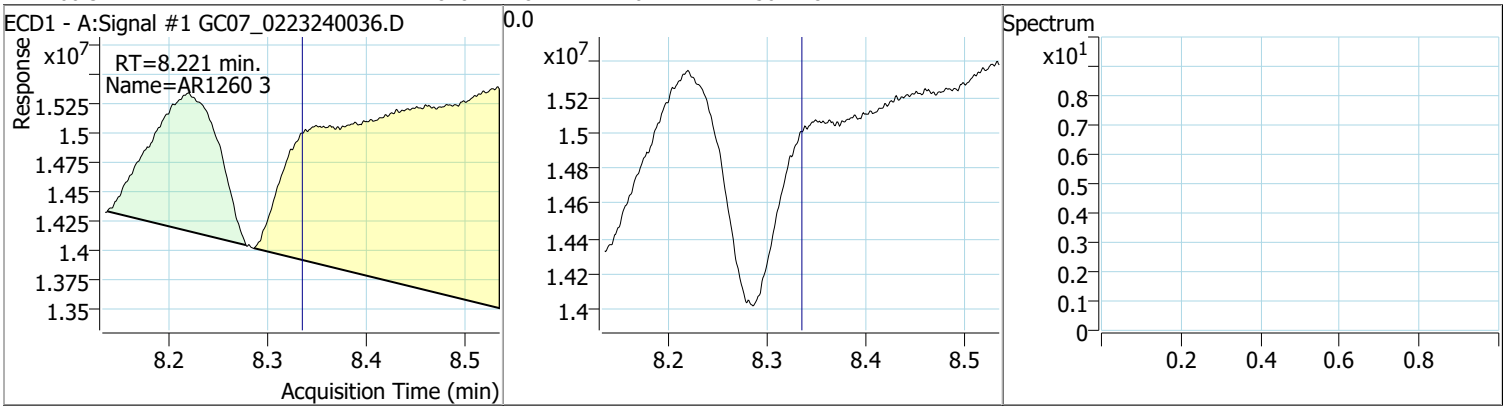
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 243.5437 | 7.40 | 0.02 | 33652124 | | | | |



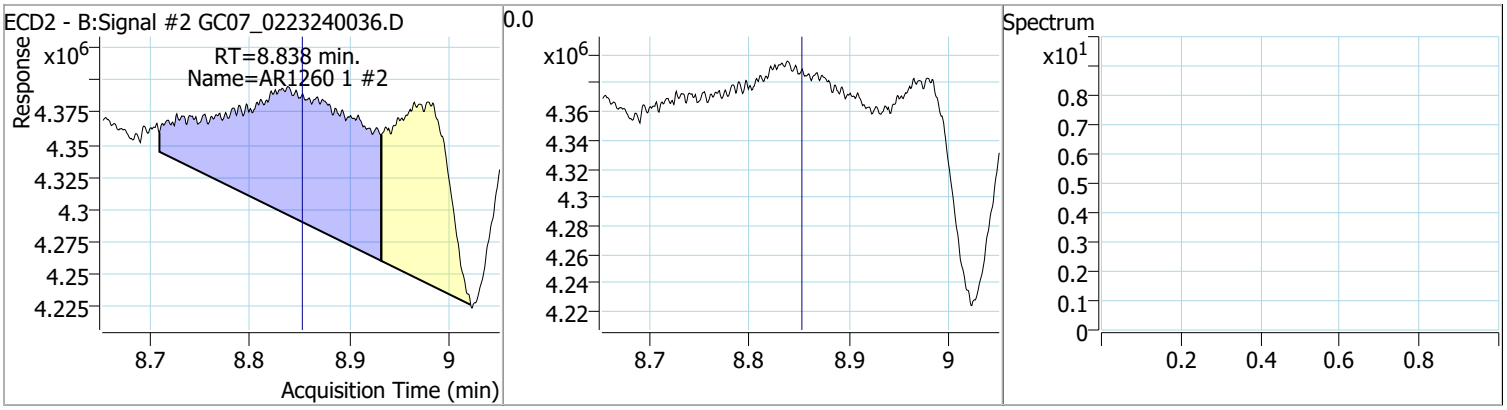

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 3.8409 | 7.81 | 0.00 | 850934 | | | | |



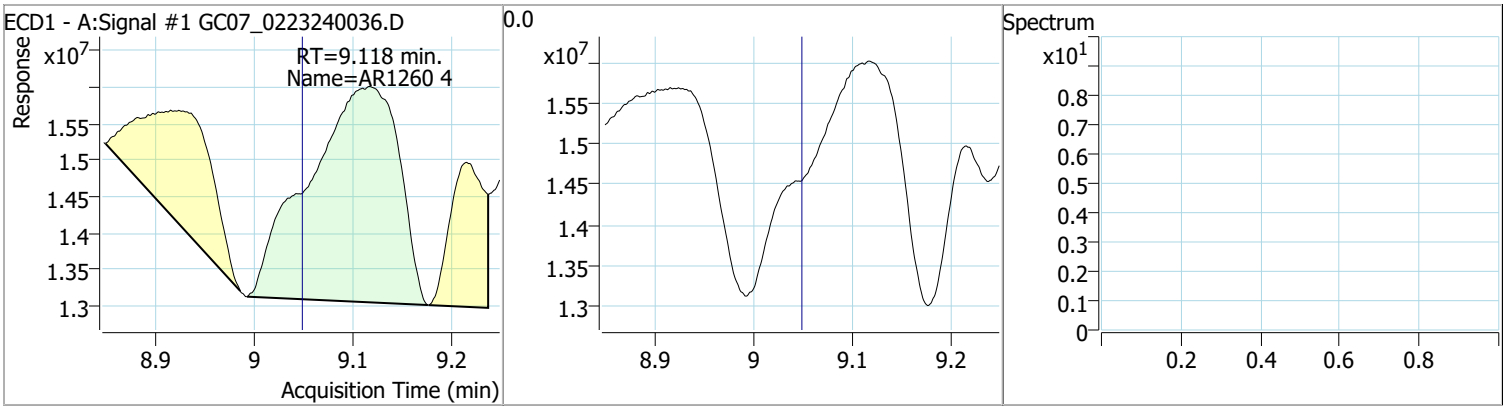

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 22.4818 | 8.22 | -0.12 | 5641181 | | | | |



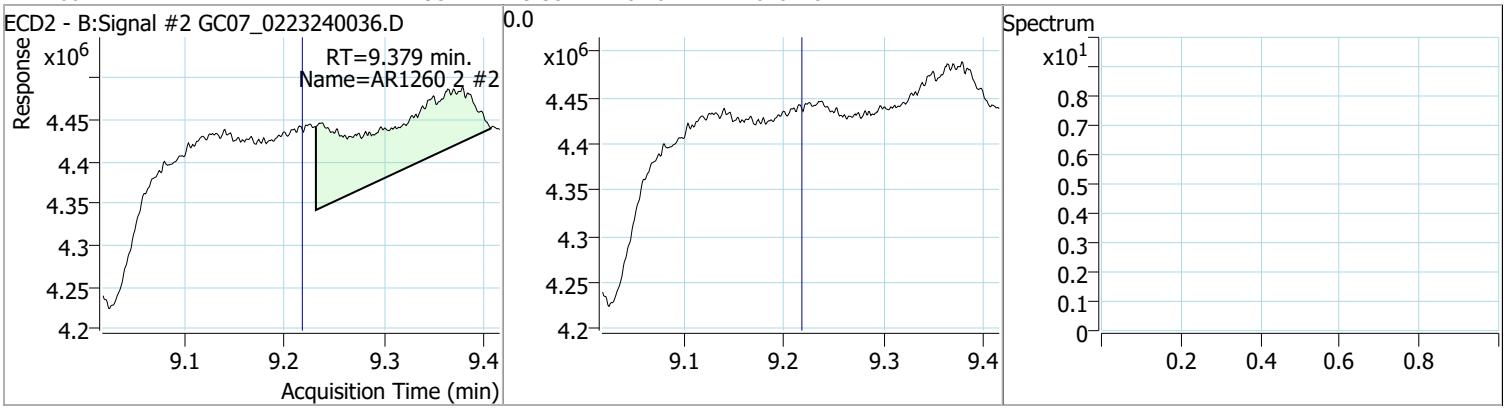

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 29.8898 | 8.84 | -0.01 | 983798 | | | | |



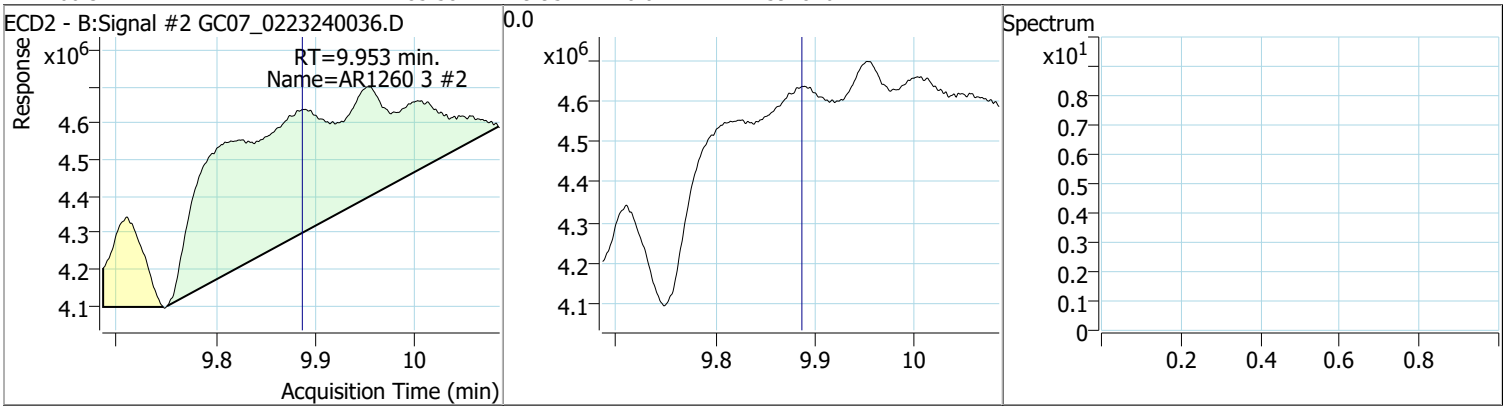
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 133.5542 | 9.12 | 0.07 | 18795381 | | | | |



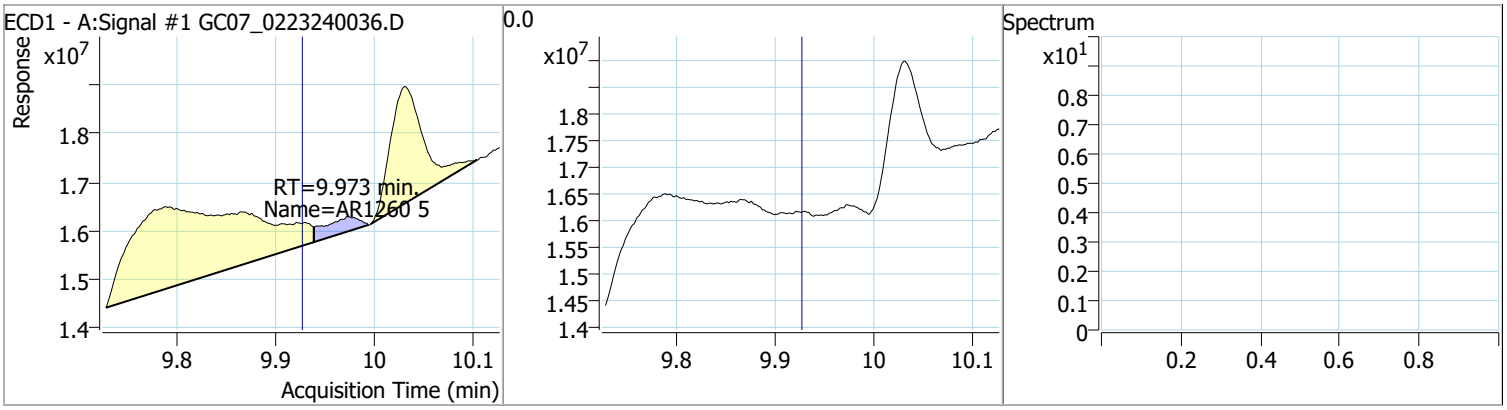

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 17.9542 | 9.38 | 0.16 | 646248 | | | | |



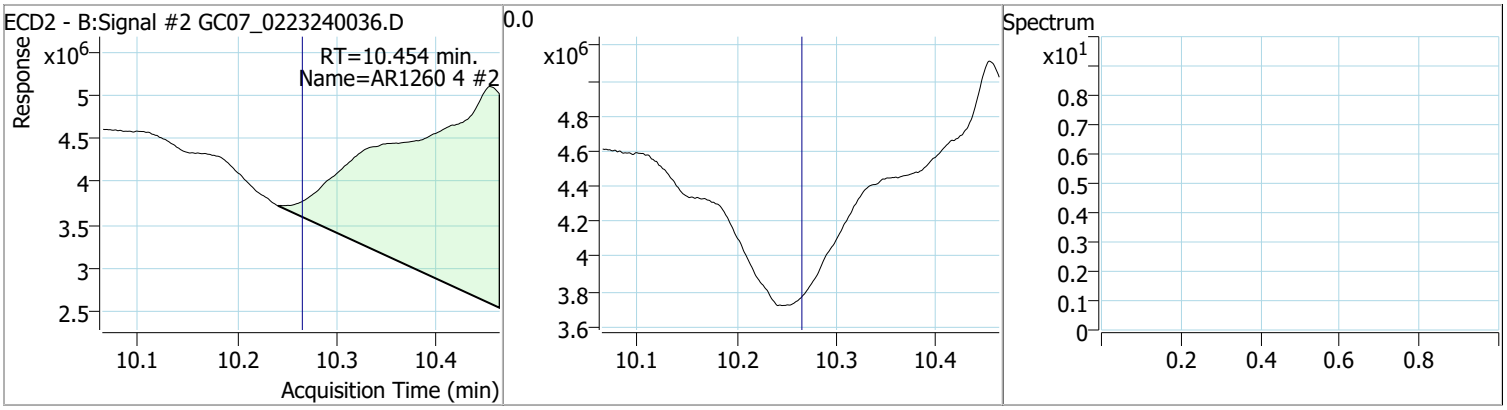

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 185.5824 | 9.95 | 0.07 | 4597876 | | | | |



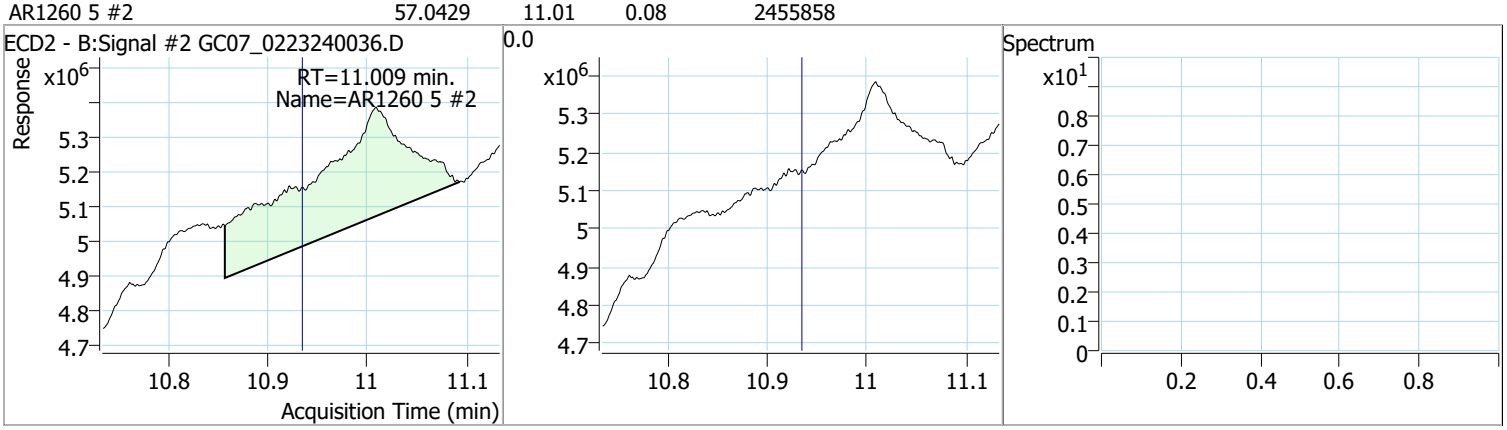

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 5.4867 | 9.97 | 0.04 | 791976 | | | | |



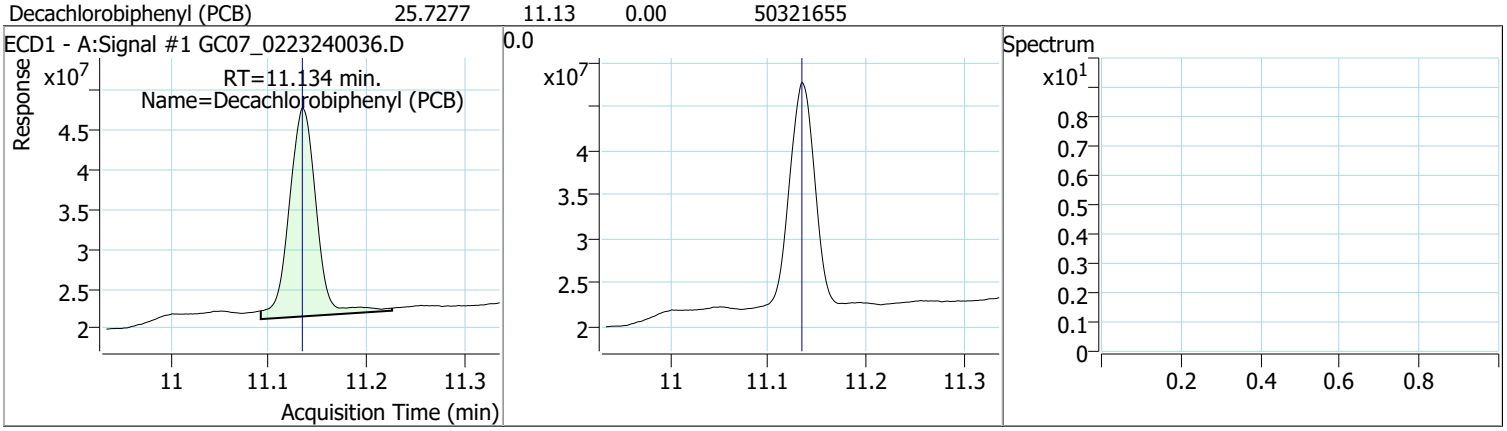
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 585.6232 | 10.45 | 0.19 | 16683493 | | | | |



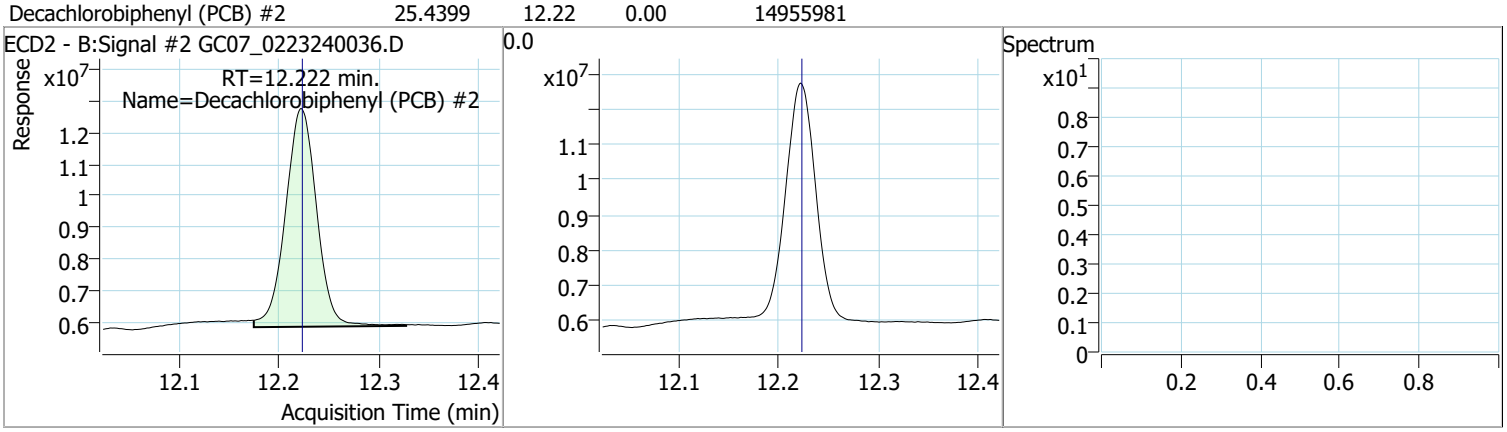

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 57.0429 | 11.01 | 0.08 | 2455858 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 25.7277 | 11.13 | 0.00 | 50321655 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.4399 | 12.22 | 0.00 | 14955981 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-008 | Client ID: | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF |
| Seqnum: | 464078296037 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240037 | Batch: | 333612 | Time: | 23-FEB-2024 18:53 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 74.21 | ug/L | ~~0.74~~ FP | 3.7 | 134% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 91.50 | ug/L | 0.92 | 1.20 | 27% | | | |
| Aroclor-1016 Peak # 2 | B | 77.88 | ug/L | 0.78 | 0.26 | 100% | | | |
| Aroclor-1016 Peak # 3 | B | 124.8 | ug/L | 1.25 | 3.39 | 92% | | | |
| Aroclor-1016 Peak # 4 | B | 71.08 | ug/L | 0.71 | 5.88 | 157% | | | |
| Aroclor-1016 Peak # 5 | B | 5.755 | ug/L | 0.06 | 7.89 | 197% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 54.89 | ug/L | ~~0.55~~ FP | 0.94 | 52% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 9.270 | ug/L | 0.09 | 2.80 | 187% | | | |
| Aroclor-1260 Peak # 2 | B | 14.78 | ug/L | 0.15 | 0.03 | 136% | | | |
| Aroclor-1260 Peak # 3 | B | 121.9 | ug/L | 1.22 | 0.18 | 148% | | | |
| Aroclor-1260 Peak # 4 | B | 11.75 | ug/L | 0.12 | 1.60 | 173% | | | |
| Aroclor-1260 Peak # 5 | B | 116.8 | ug/L | 1.17 | 0.09 | 172% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 27.40 | pg/uL | 0.5000 | 0.2740 | 55 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 25.42 | pg/uL | 0.5000 | 0.2542 | 51 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 7835646 | 12.20 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 38793973 | 11.19 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

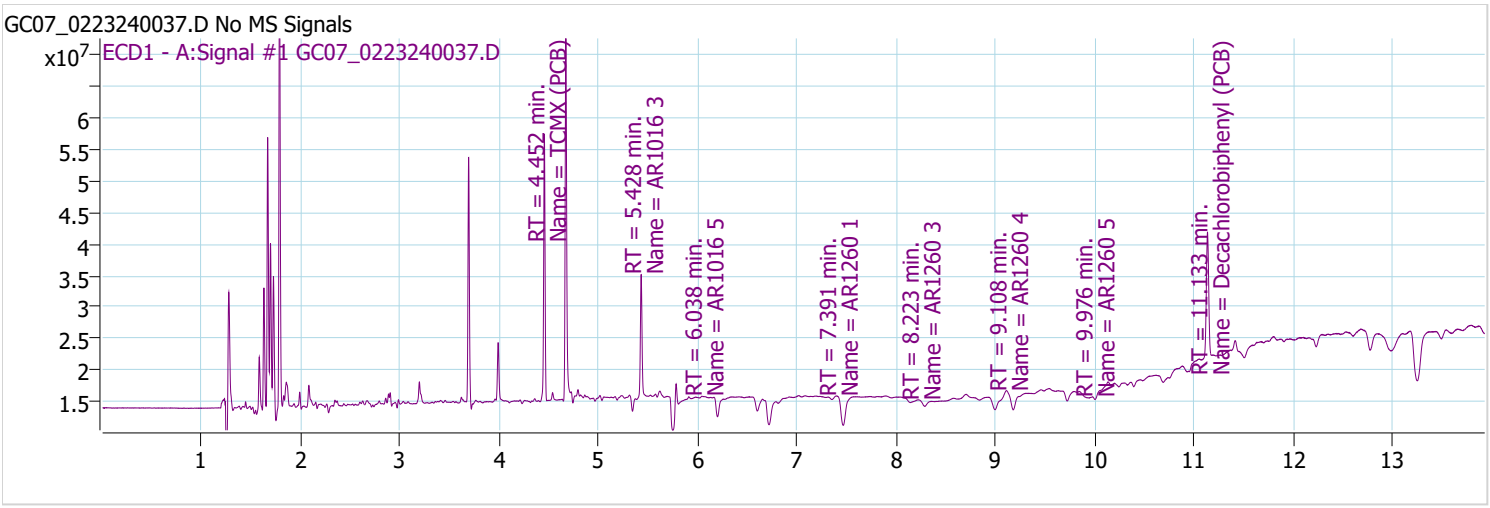
02/24/24 : WIPE/1S-10ML//

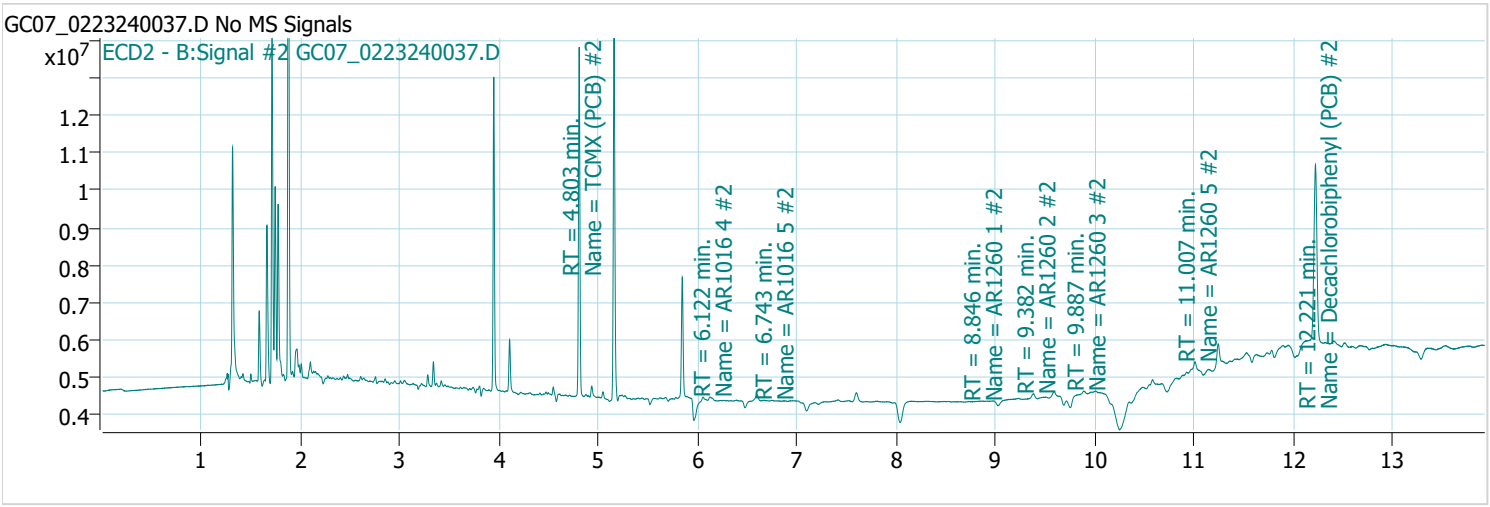
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240037.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 6:53:05 PM |
| Sample Name | 502501-008, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 8 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



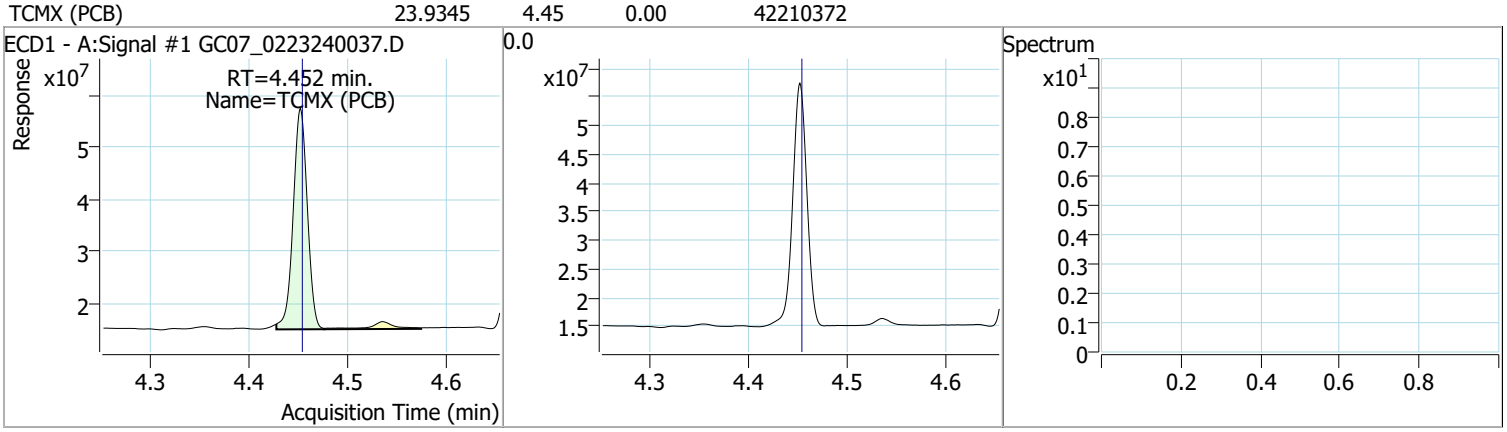




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 38793972.595 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 7835646.115 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 42210371.880 | 23.9345 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 119.67% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 9358139.239 | 27.4029 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 137.01% | | |
| S Decachlorobiphenyl (PCB) | 11.133 | 0.0 | 38866406.327 | 25.0729 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 125.36% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.221 | 0.0 | 11338133.648 | 25.4203 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 127.10% | | |
| **Target Compounds** | | | | | | QValue |

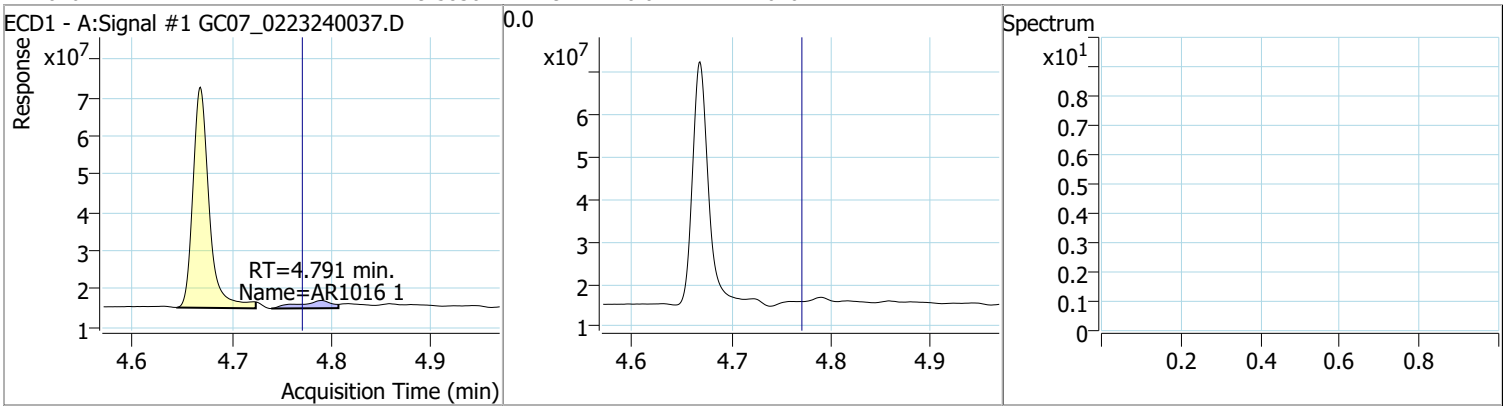
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.791 | 0.0 | 4670712.446 | 119.5830 | ng/ml | 100 |
| T AR1016 2 | 5.013 | 0.0 | 1793259.376 | 26.0798 | ng/ml | 100 |
| T AR1016 1 #2 | 5.236 | 0.0 | 669199.841 | 91.5035 | ng/ml | 100 |
| T AR1016 3 | 5.428 | 0.0 | 31033212.093 | 339.1900 | ng/ml | 100 |
| T AR1016 4 | 5.616 | 0.0 | 36244026.046 | 587.7590 | ng/ml | 100 |
| T AR1016 2 #2 | 5.672 | 0.0 | 1136266.535 | 77.8795 | ng/ml | 100 |
| T AR1016 5 | 6.038 | 0.0 | 43092087.570 | 789.0648 | ng/ml | 100 |
| T AR1016 3 #2 | 6.051 | 0.0 | 2504480.454 | 124.8419 | ng/ml | 100 |
| T AR1016 4 #2 | 6.122 | 0.0 | 942991.760 | 71.0805 | ng/ml | 100 |
| T AR1016 5 #2 | 6.743 | 0.0 | 61595.447 | 5.7547 | ng/ml | 100 |
| T AR1260 1 | 7.391 | 0.0 | 30620936.717 | 279.6190 | ng/ml | 100 |
| T AR1260 2 | 7.813 | 0.0 | 493681.044 | 2.8117 | ng/ml | 100 |
| T AR1260 3 | 8.223 | 0.0 | 3614855.274 | 18.1776 | ng/ml | 100 |
| T AR1260 1 #2 | 8.846 | 0.0 | 231487.269 | 9.2701 | ng/ml | 100 |
| T AR1260 4 | 9.108 | 0.0 | 17812602.058 | 159.7046 | ng/ml | 100 |
| T AR1260 2 #2 | 9.382 | 0.0 | 403609.655 | 14.7798 | ng/ml | 100 |
| T AR1260 3 #2 | 9.887 | 0.0 | 2290562.574 | 121.8601 | ng/ml | 100 |
| T AR1260 5 | 9.976 | 0.0 | 1015118.929 | 8.8735 | ng/ml | 100 |
| T AR1260 4 #2 | 10.071 | 0.0 | 253935.697 | 11.7488 | ng/ml | 100 |
| T AR1260 5 #2 | 11.007 | 0.0 | 3814891.751 | 116.7940 | ng/ml | 100 |

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

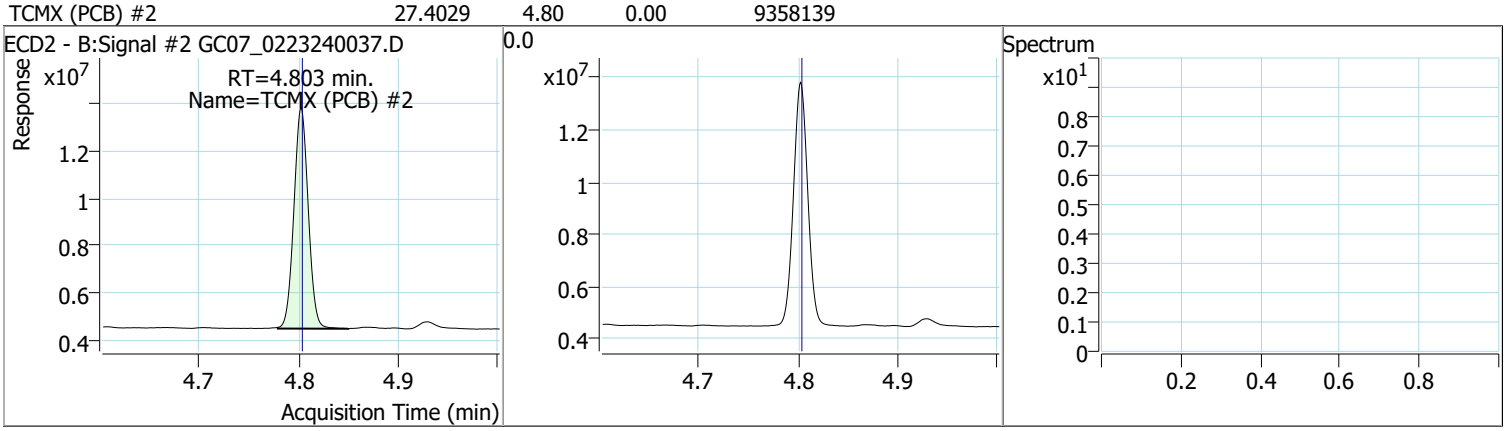
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 23.9345 | 4.45 | 0.00 | 42210372 | | | | |



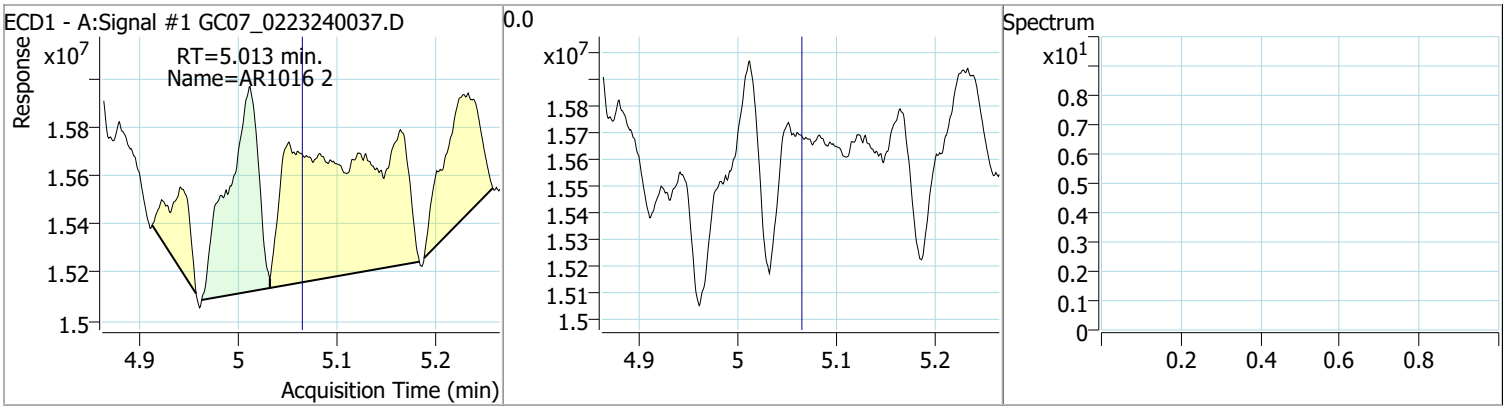

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 119.5830 | 4.79 | 0.02 | 4670712 | | | | |



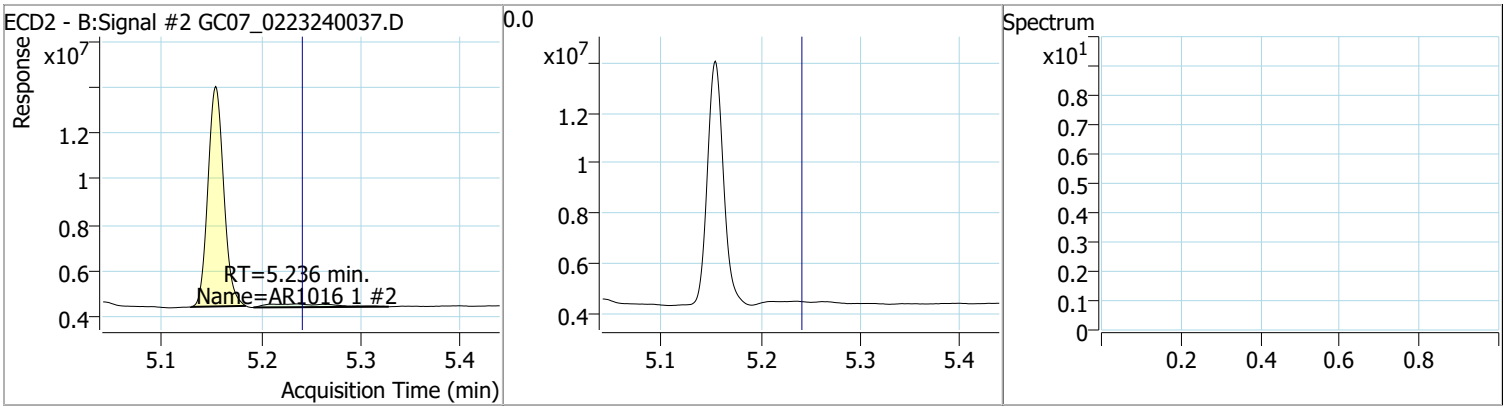

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 27.4029 | 4.80 | 0.00 | 9358139 | | | | |



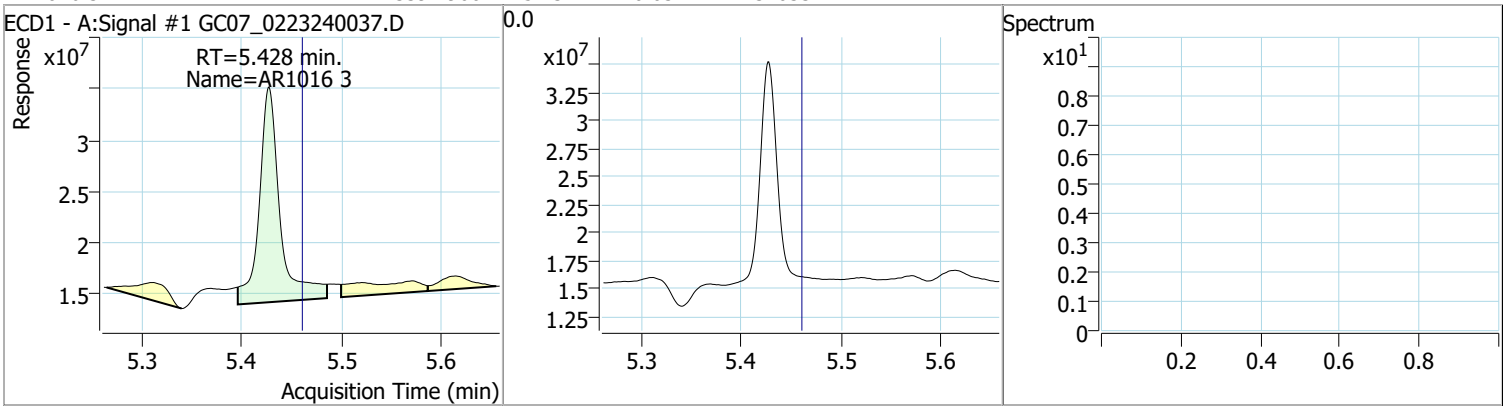

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 26.0798 | 5.01 | -0.05 | 1793259 | | | | |



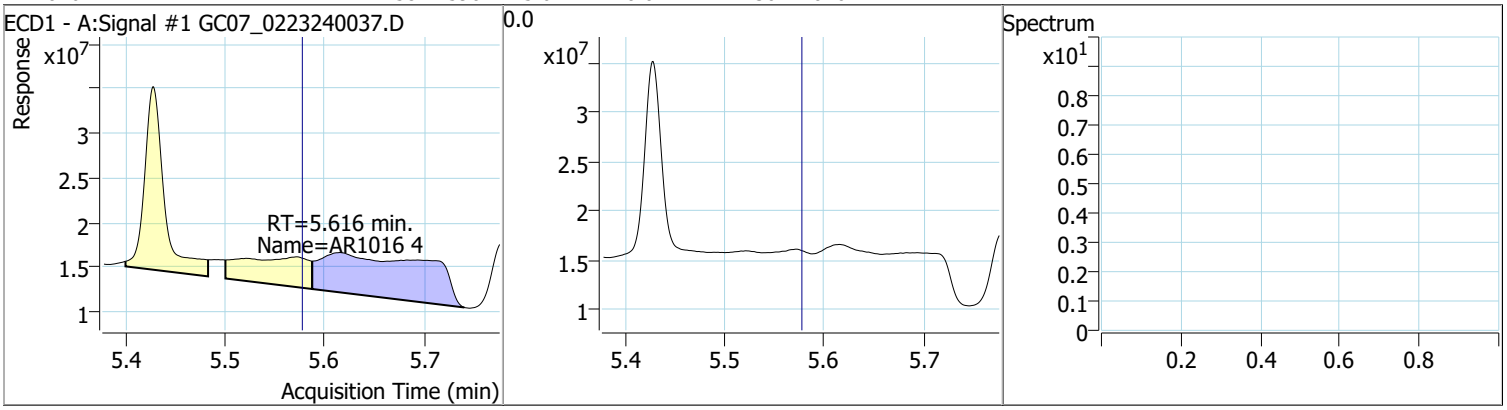
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 91.5035 | 5.24 | 0.00 | 669200 | | | | |



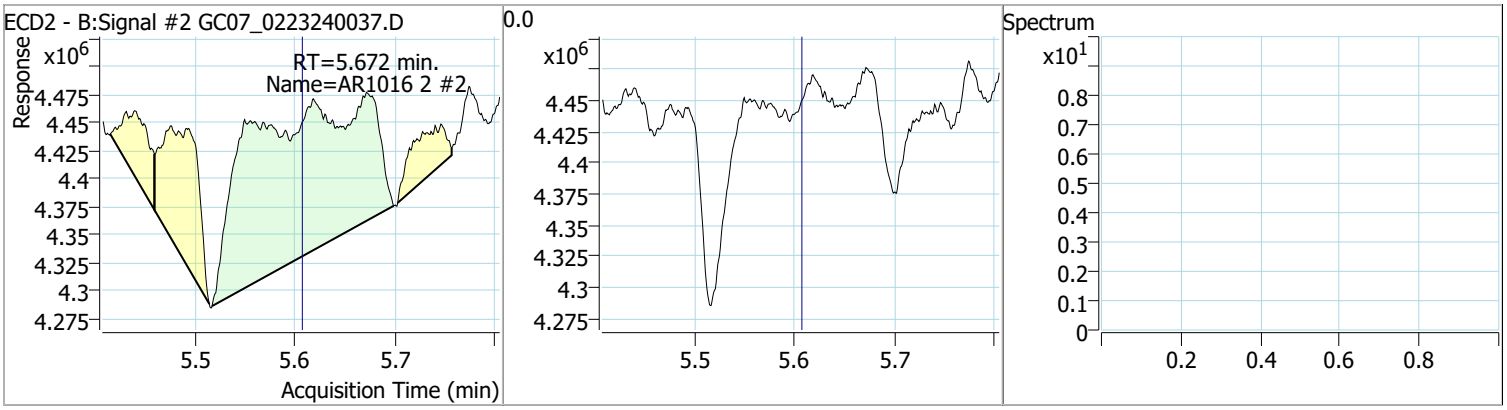

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 339.1900 | 5.43 | -0.03 | 31033212 | | | | |



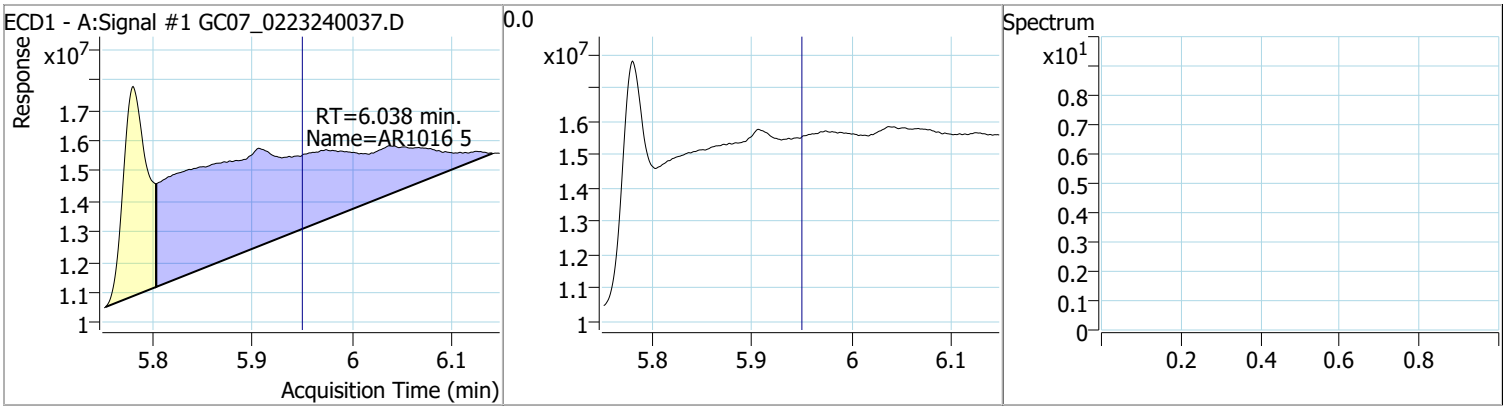

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 587.7590 | 5.62 | 0.04 | 36244026 | | | | |



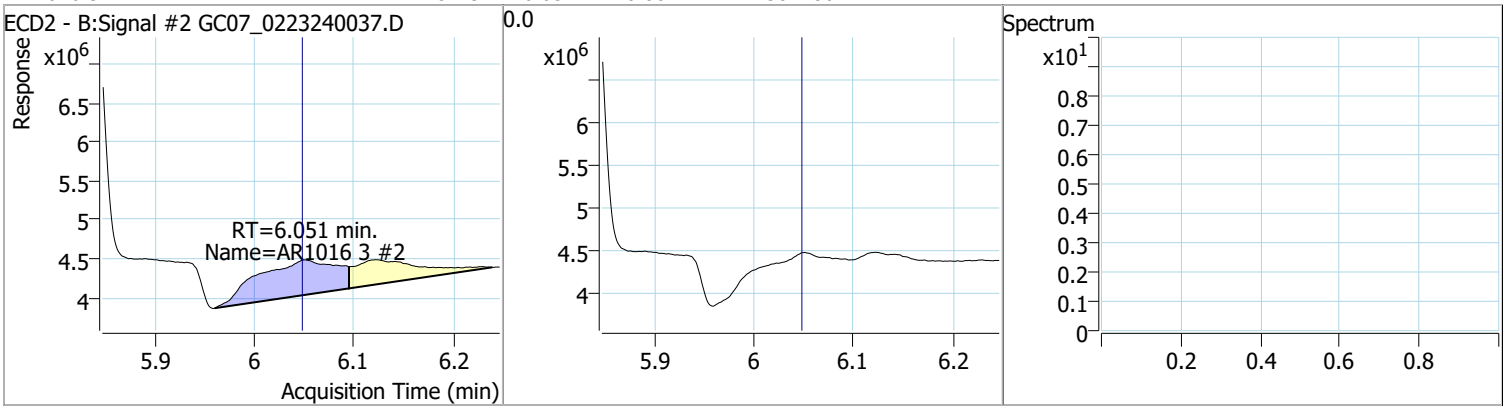

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 77.8795 | 5.67 | 0.07 | 1136267 | | | | |



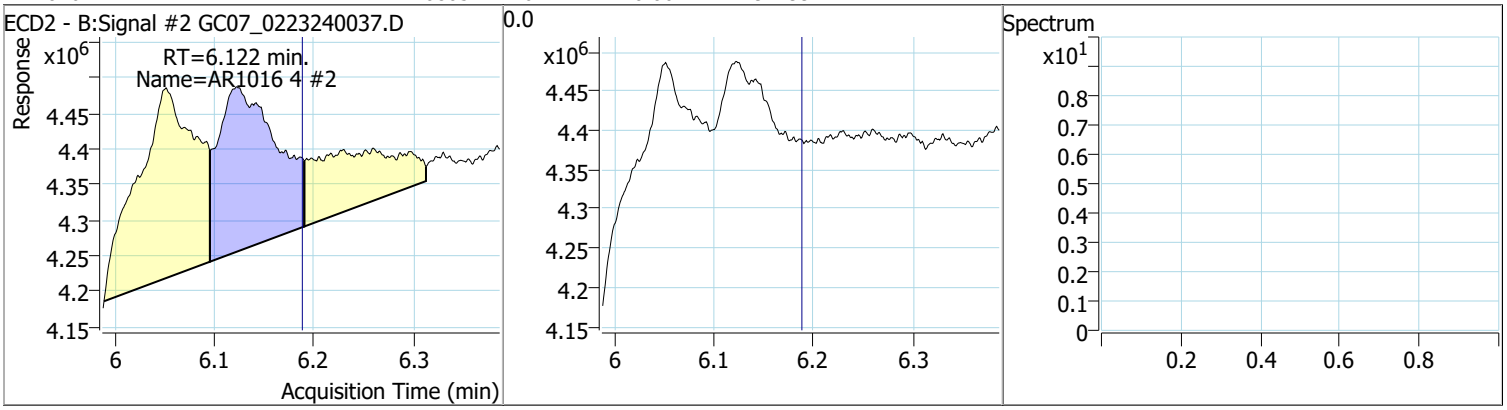
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 789.0648 | 6.04 | 0.09 | 43092088 | | | | |



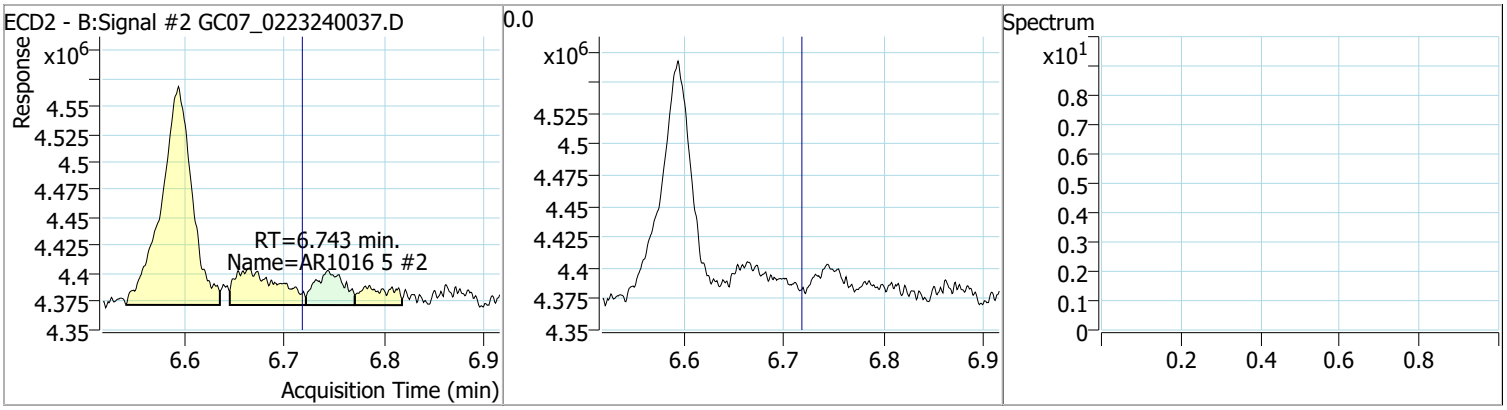

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 124.8419 | 6.05 | 0.00 | 2504480 | | | | |



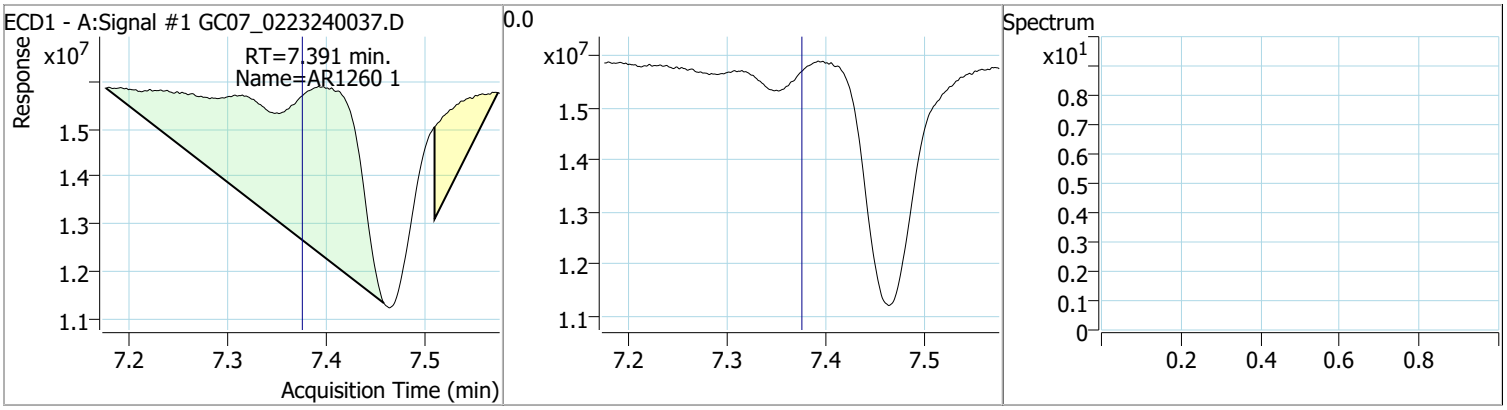

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 71.0805 | 6.12 | -0.06 | 942992 | | | | |



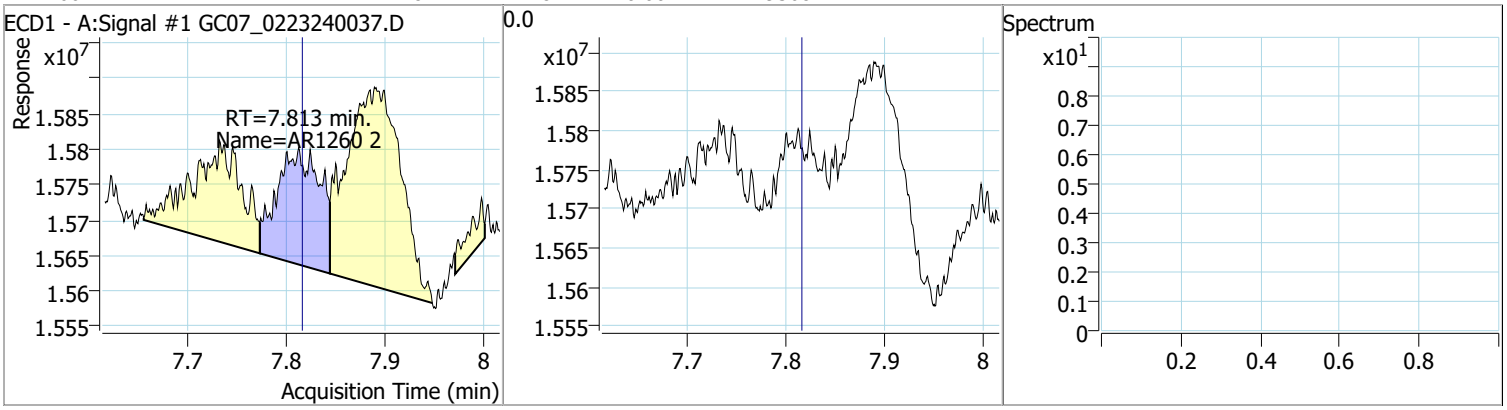

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 5.7547 | 6.74 | 0.03 | 61595 | | | | |



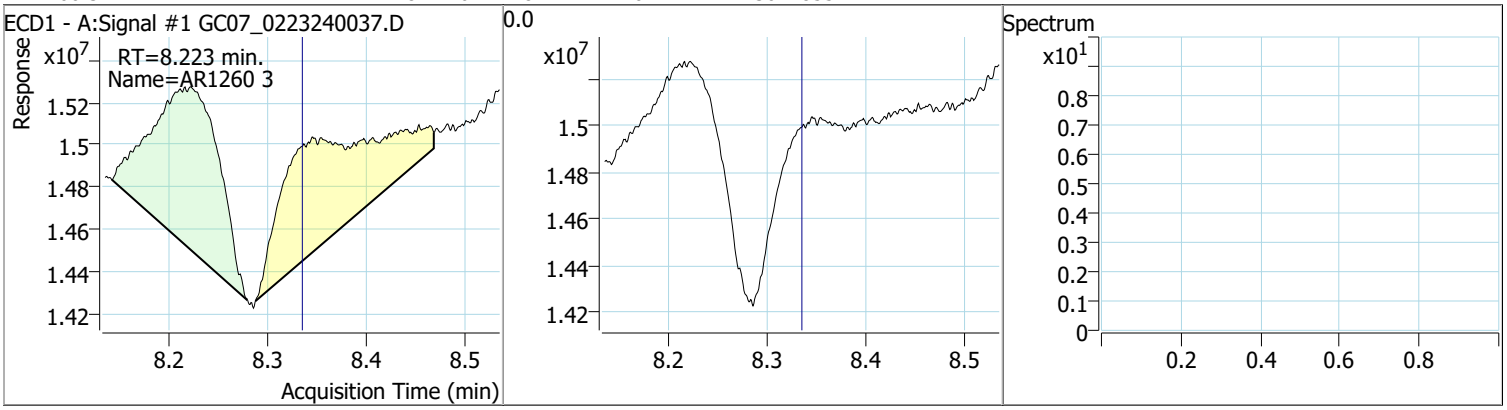
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 279.6190 | 7.39 | 0.02 | 30620937 | | | | |



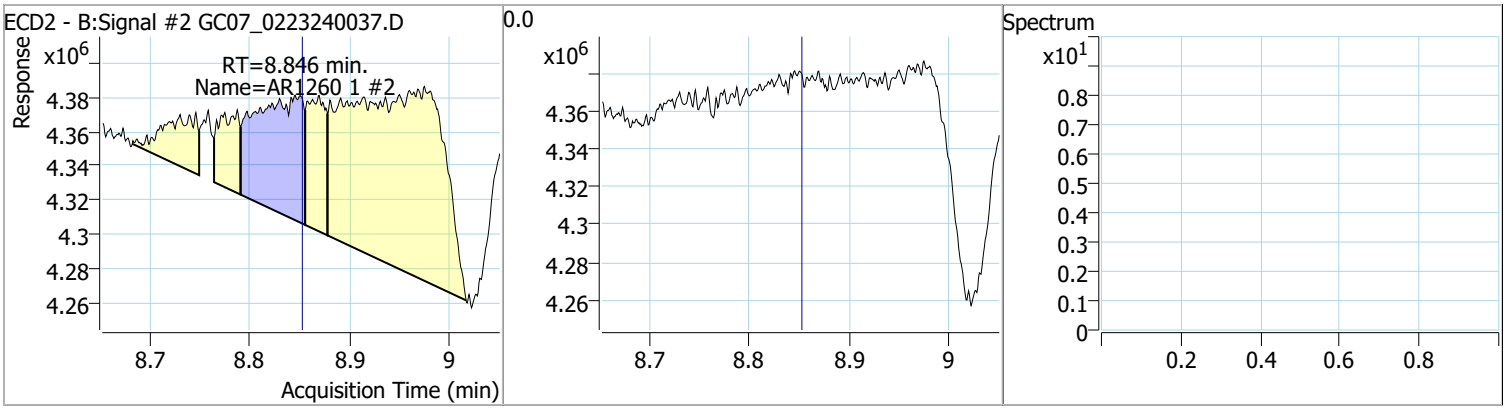

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.8117 | 7.81 | 0.00 | 493681 | | | | |



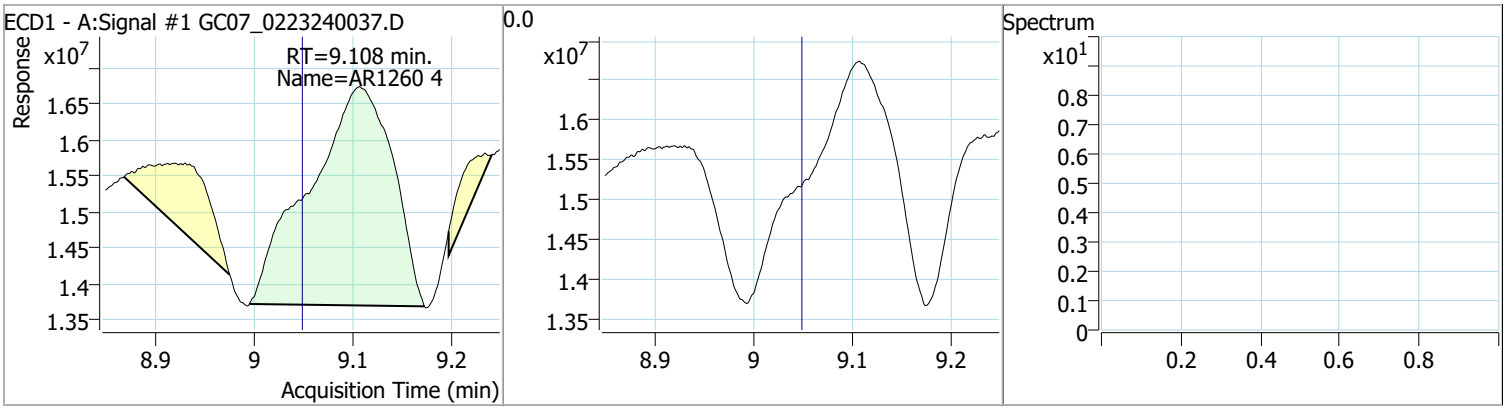

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 18.1776 | 8.22 | -0.11 | 3614855 | | | | |



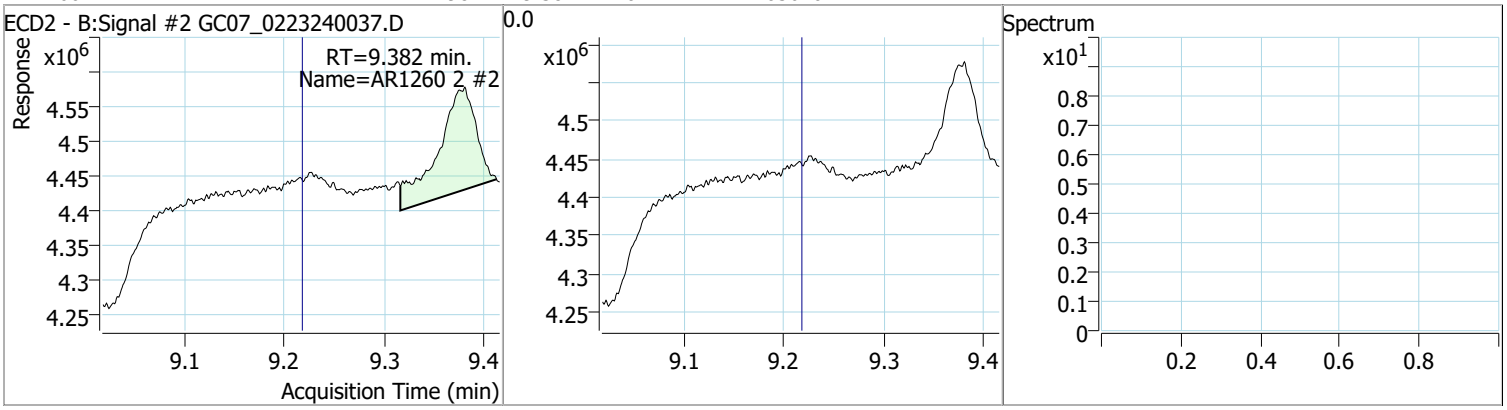

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 9.2701 | 8.85 | -0.01 | 231487 | | | | |



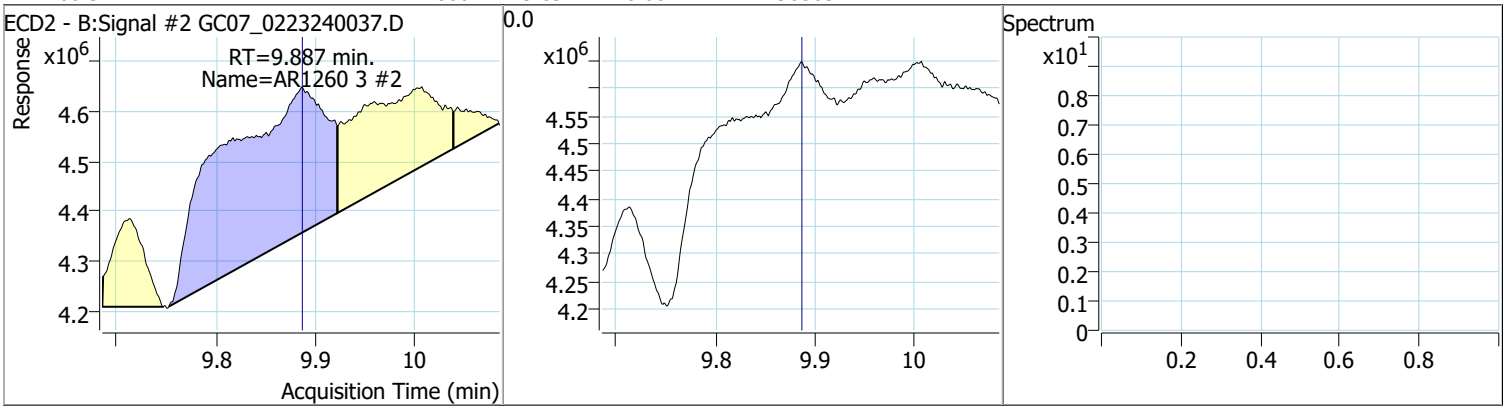
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 159.7046 | 9.11 | 0.06 | 17812602 | | | | |



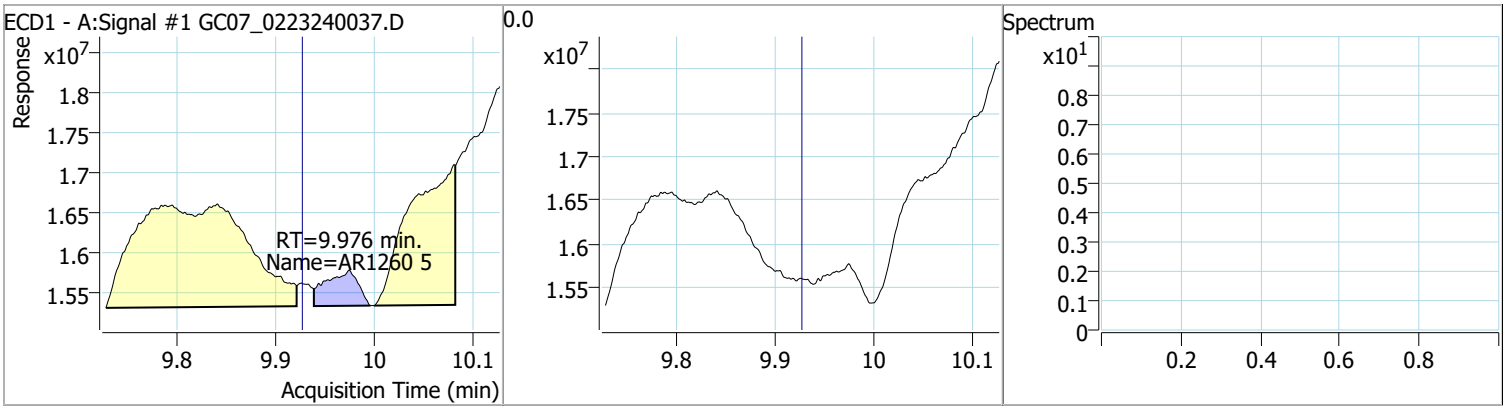

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 14.7798 | 9.38 | 0.17 | 403610 | | | | |



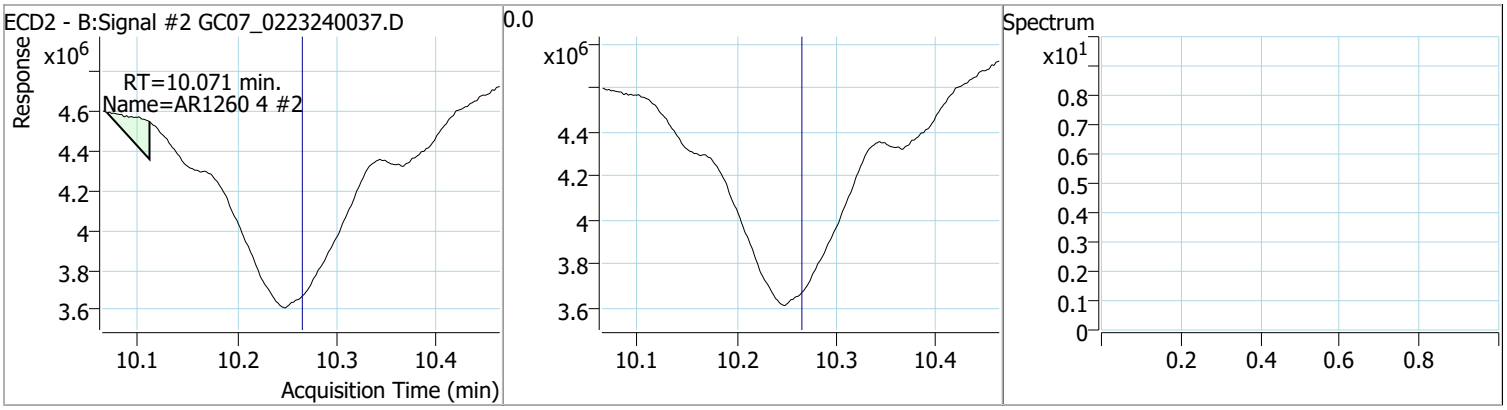

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 121.8601 | 9.89 | 0.00 | 2290563 | | | | |



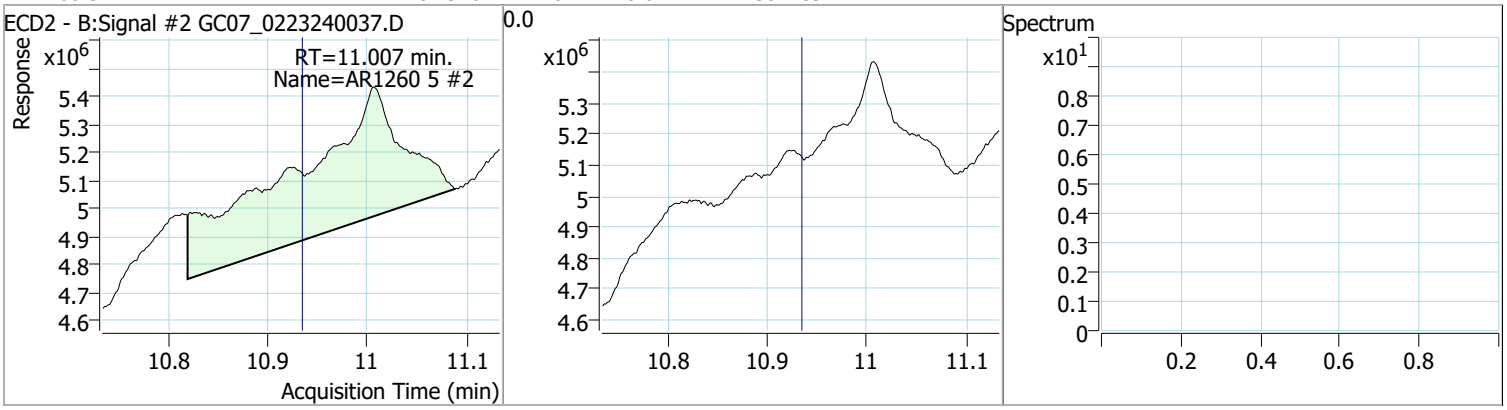

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 8.8735 | 9.98 | 0.05 | 1015119 | | | | |



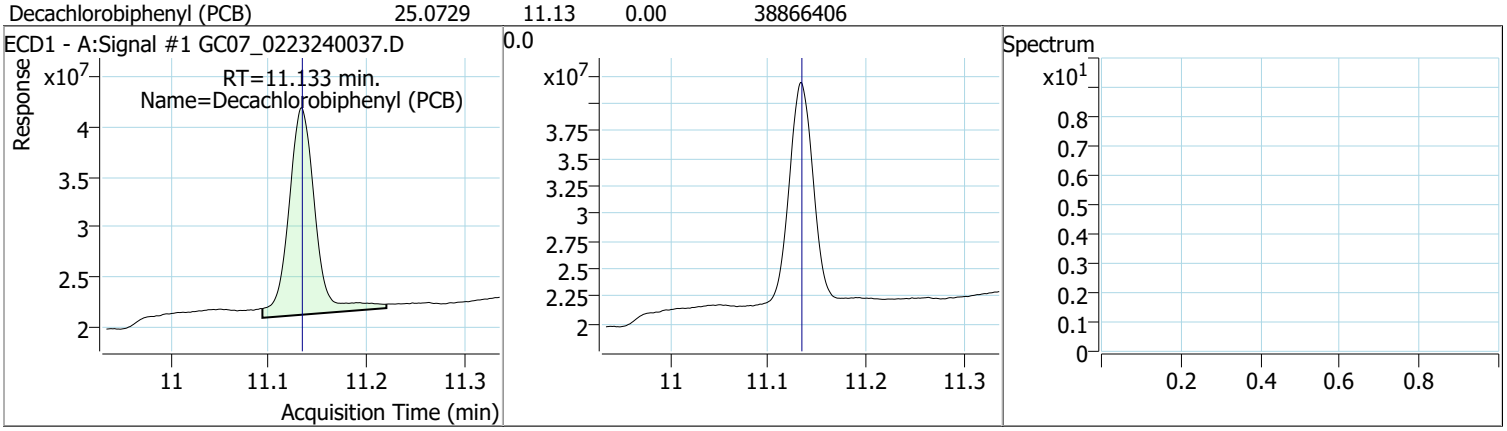
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 11.7488 | 10.07 | -0.19 | 253936 | | | | |



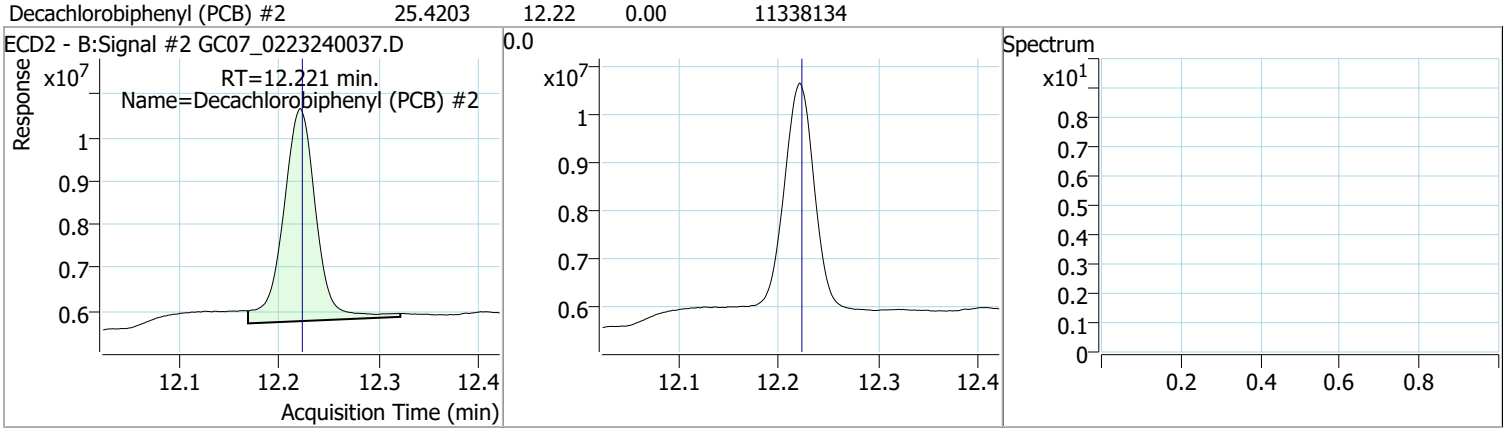

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 116.7940 | 11.01 | 0.07 | 3814892 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 25.0729 | 11.13 | 0.00 | 38866406 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.4203 | 12.22 | 0.00 | 11338134 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-010 | Client ID: | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA |
| Seqnum: | 464078296038 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240038 | Batch: | 333612 | Time: | 23-FEB-2024 19:10 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 65.52 | ug/L | ~~0.66~~ FP | 3.6 | 139% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 80.89 | ug/L | 0.81 | 0.57 | 34% | | | |
| Aroclor-1016 Peak # 2 | B | 53.41 | ug/L | 0.53 | 0.19 | 94% | | | |
| Aroclor-1016 Peak # 3 | B | 148.4 | ug/L | 1.48 | 3.82 | 88% | | | |
| Aroclor-1016 Peak # 4 | B | 42.66 | ug/L | 0.43 | 6.96 | 177% | | | |
| Aroclor-1016 Peak # 5 | B | 2.259 | ug/L | 0.02 | 6.70 | 199% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 173.1 | ug/L | ~~1.7~~ FP | 0.51 | 109% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 28.39 | ug/L | 0.28 | 0.36 | 23% | | | |
| Aroclor-1260 Peak # 2 | B | 11.28 | ug/L | 0.11 | 0.09 | 21% | | | |
| Aroclor-1260 Peak # 3 | B | 146.5 | ug/L | 1.47 | 0.18 | 156% | | | |
| Aroclor-1260 Peak # 4 | B | 629.6 | ug/L | 6.30 | 1.03 | 144% | | | |
| Aroclor-1260 Peak # 5 | B | 49.87 | ug/L | 0.50 | 0.89 | 56% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 26.76 | pg/uL | 0.5000 | 0.2676 | 54 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 25.84 | pg/uL | 0.5000 | 0.2584 | 52 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9345708 | 33.83 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 45032769 | 29.07 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

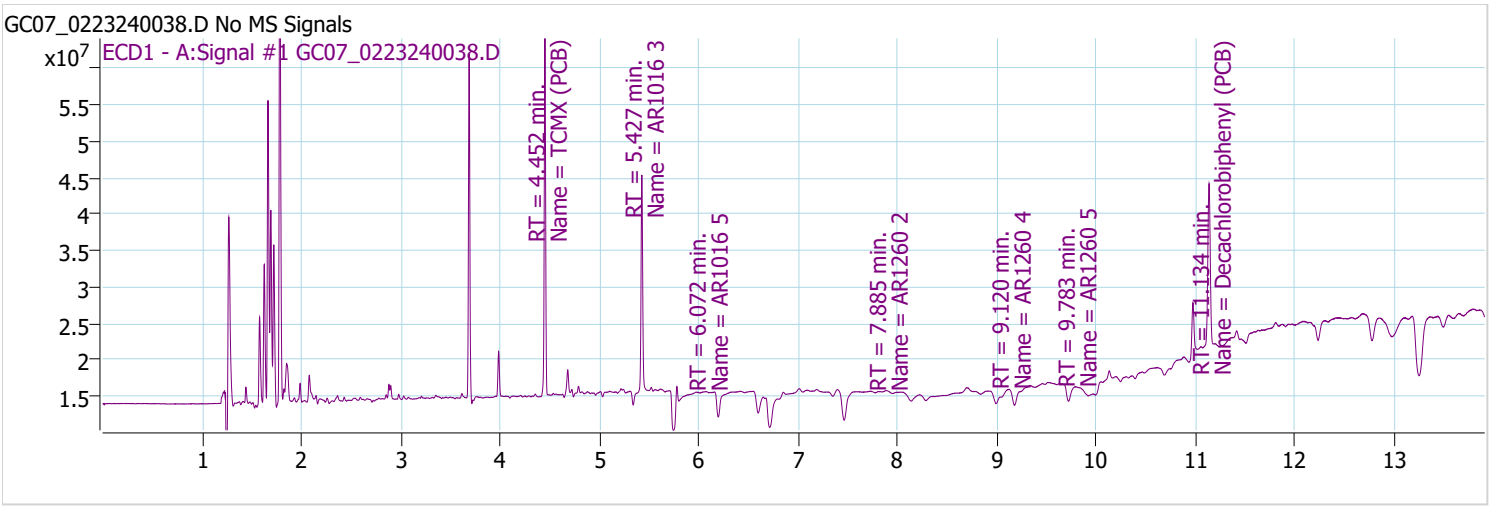
02/24/24 : WIPE/1S-10ML//

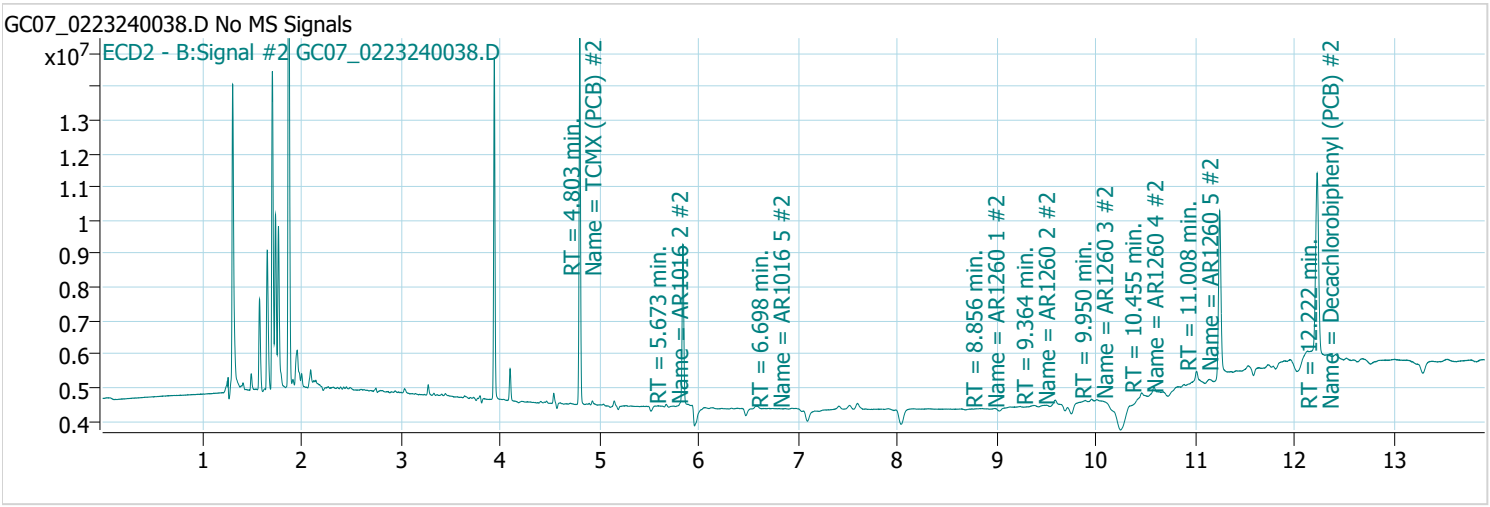
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240038.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 7:10:32 PM |
| Sample Name | 502501-010, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 9 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



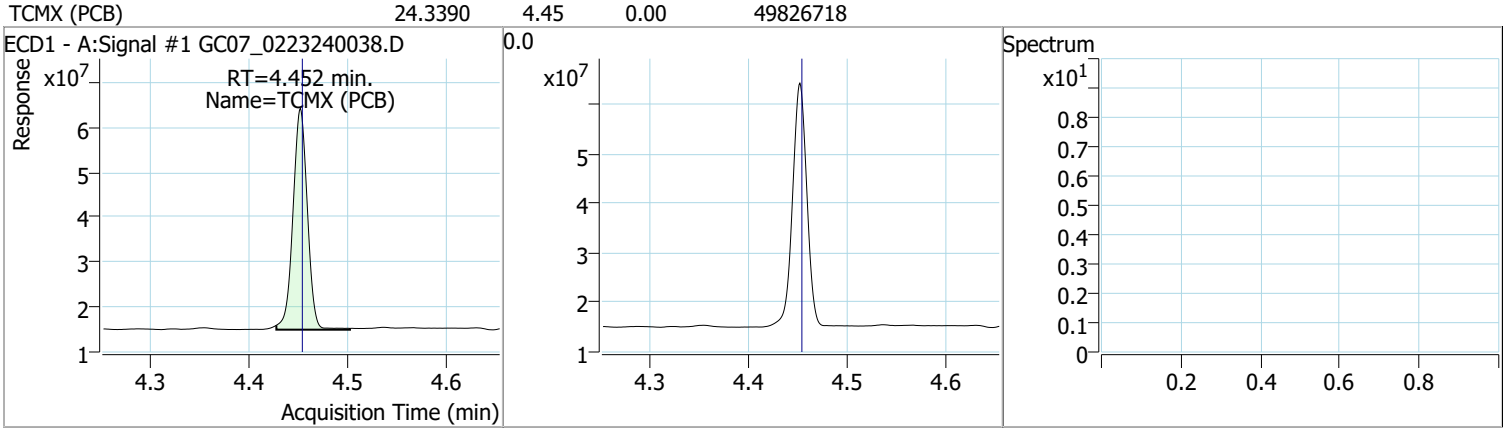




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 45032769.411 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 9345708.195 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 49826717.795 | 24.3390 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 121.69% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 10897798.173 | 26.7552 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 133.78% | | |
| S Decachlorobiphenyl (PCB) | 11.134 | 0.0 | 43394369.228 | 24.1156 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 120.58% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.222 | 0.0 | 13746287.160 | 25.8397 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 129.20% | | |
| **Target Compounds** | | | | | | QValue |

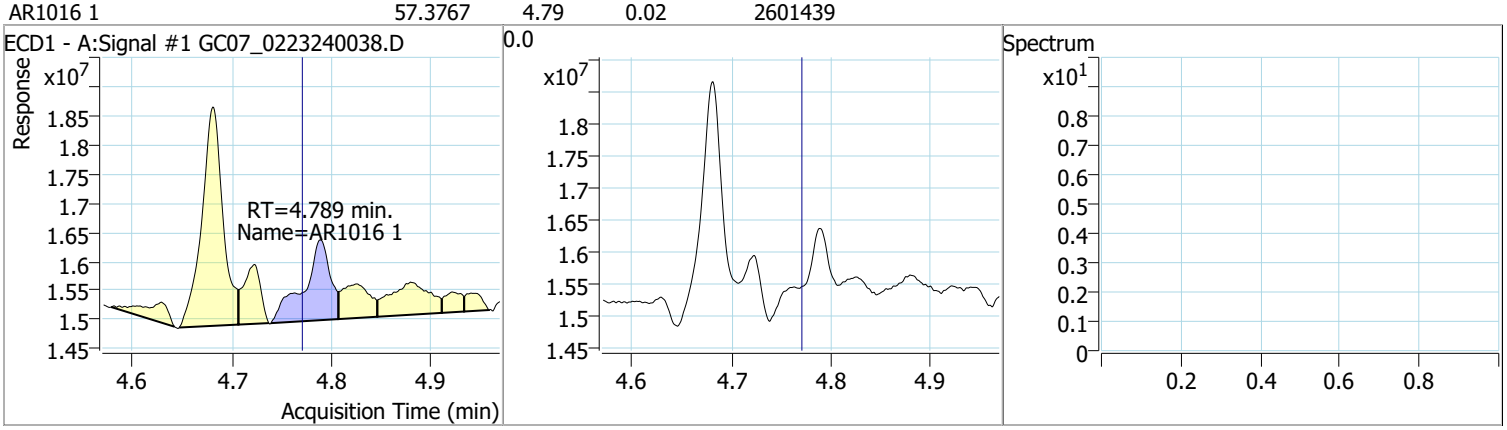
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.789 | 0.0 | 2601439.138 | 57.3767 | ng/ml | 100 |
| T AR1016 2 | 5.012 | 0.0 | 1536270.617 | 19.2471 | ng/ml | 100 |
| T AR1016 1 #2 | 5.263 | 0.0 | 705580.160 | 80.8892 | ng/ml | 100 |
| T AR1016 3 | 5.427 | 0.0 | 40598715.357 | 382.2647 | ng/ml | 100 |
| T AR1016 4 | 5.522 | 0.0 | 49822079.349 | 696.0177 | ng/ml | 100 |
| T AR1016 2 #2 | 5.673 | 0.0 | 929472.470 | 53.4124 | ng/ml | 100 |
| T AR1016 5 | 6.072 | 0.0 | 42465376.903 | 669.8626 | ng/ml | 100 |
| T AR1016 3 #2 | 6.142 | 0.0 | 3550640.599 | 148.3925 | ng/ml | 100 |
| T AR1016 4 #2 | 6.142 | 0.0 | 675037.371 | 42.6612 | ng/ml | 100 |
| T AR1016 5 #2 | 6.698 | 0.0 | 28838.109 | 2.2589 | ng/ml | 100 |
| T AR1260 1 | 7.562 | 0.0 | 4557213.473 | 35.8495 | ng/ml | 100 |
| T AR1260 2 | 7.885 | 0.0 | 1864094.604 | 9.1458 | ng/ml | 100 |
| T AR1260 3 | 8.219 | 0.0 | 4194701.550 | 18.1711 | ng/ml | 100 |
| T AR1260 1 #2 | 8.856 | 0.0 | 845696.028 | 28.3945 | ng/ml | 100 |
| T AR1260 4 | 9.120 | 0.0 | 13393609.682 | 103.4483 | ng/ml | 100 |
| T AR1260 2 #2 | 9.364 | 0.0 | 367242.564 | 11.2752 | ng/ml | 100 |
| T AR1260 3 #2 | 9.950 | 0.0 | 3285012.236 | 146.5274 | ng/ml | 100 |
| T AR1260 5 | 9.783 | 0.0 | 11808282.863 | 88.9205 | ng/ml | 100 |
| T AR1260 4 #2 | 10.455 | 0.0 | 16231696.103 | 629.6475 | ng/ml | 100 |
| T AR1260 5 #2 | 11.008 | 0.0 | 1942964.354 | 49.8730 | ng/ml | 100 |

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

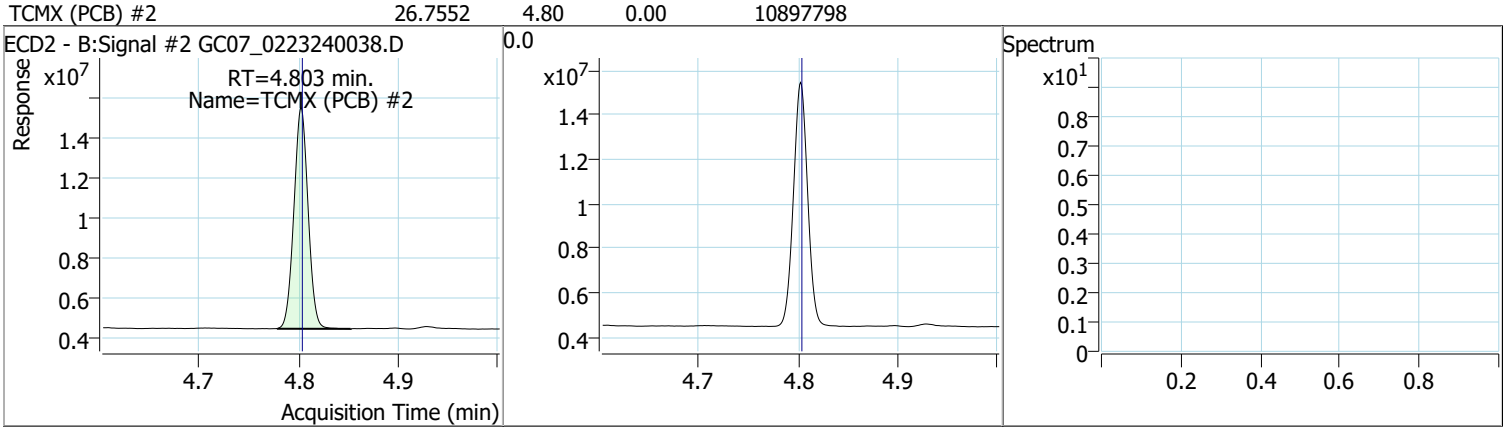
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 24.3390 | 4.45 | 0.00 | 49826718 | | | | |



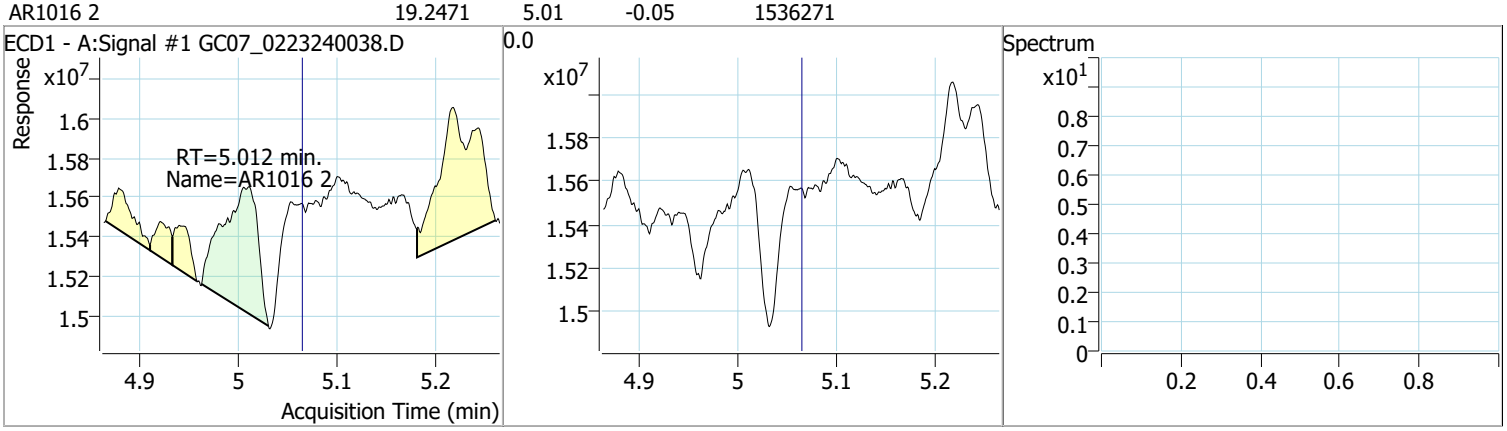

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 57.3767 | 4.79 | 0.02 | 2601439 | | | | |



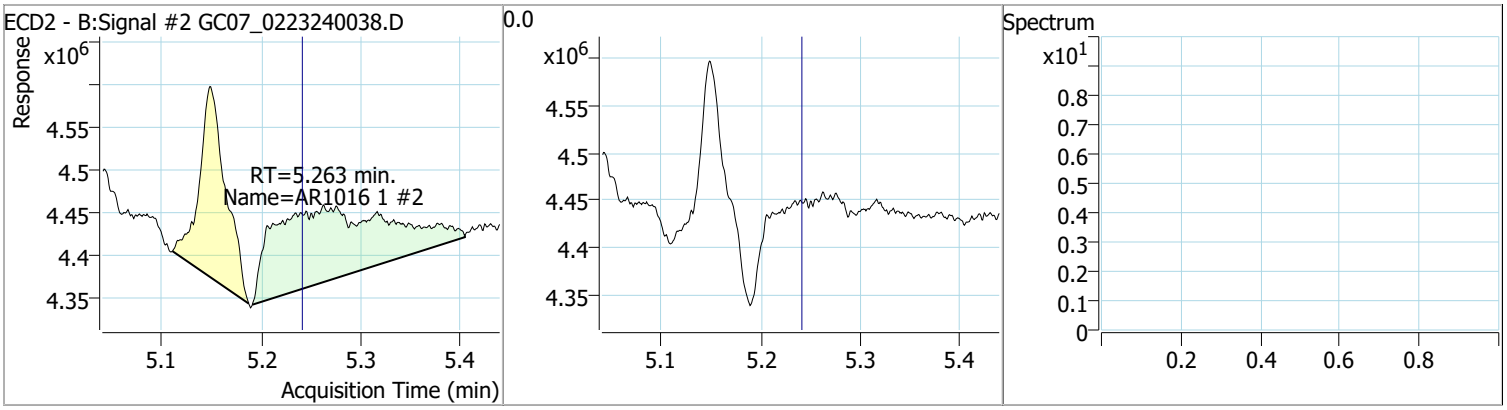

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 26.7552 | 4.80 | 0.00 | 10897798 | | | | |



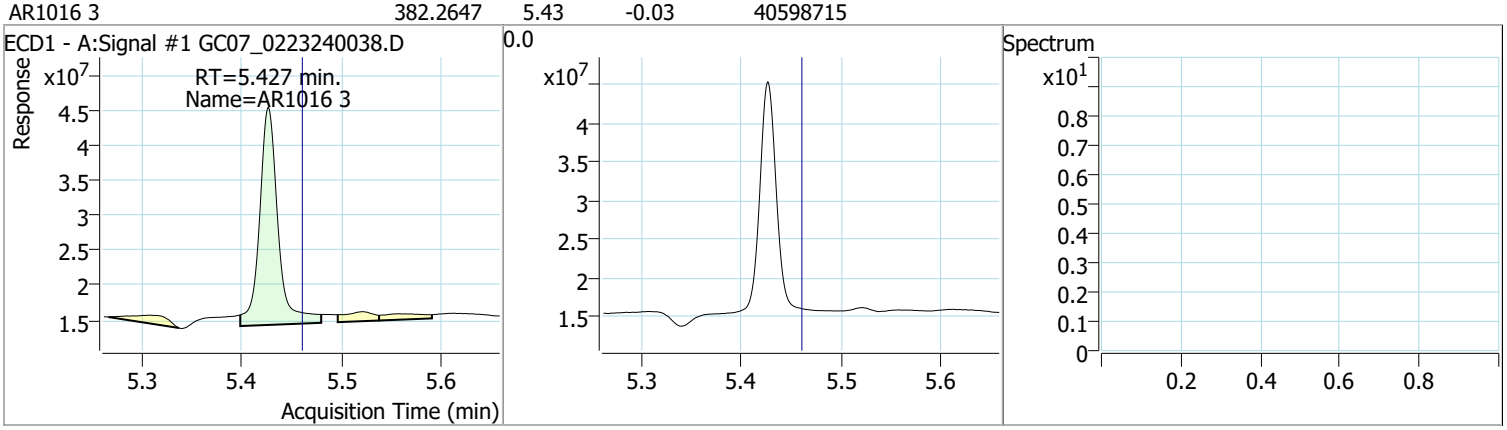

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 19.2471 | 5.01 | -0.05 | 1536271 | | | | |



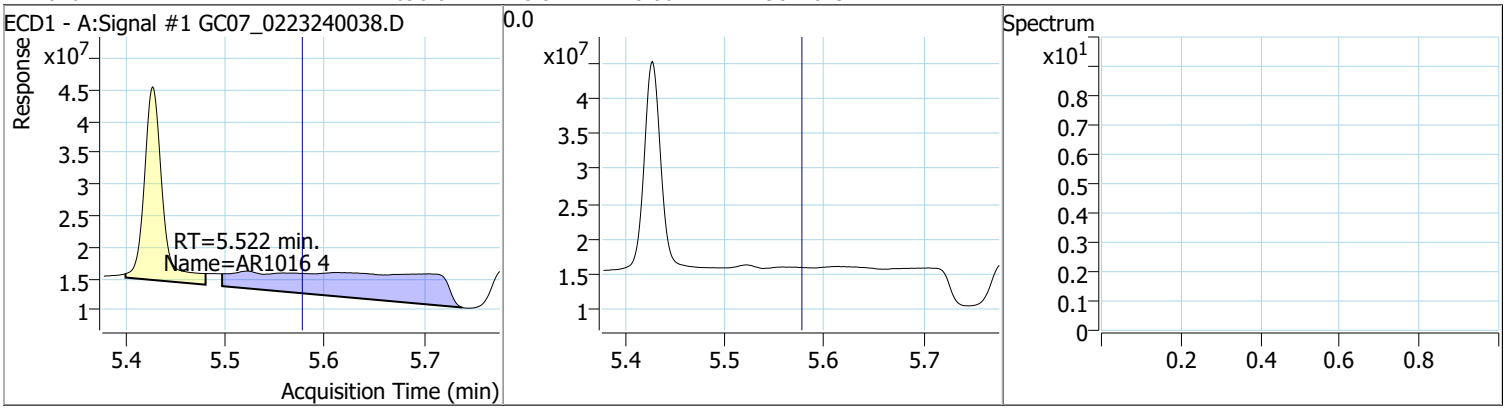
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 80.8892 | 5.26 | 0.02 | 705580 | | | | |



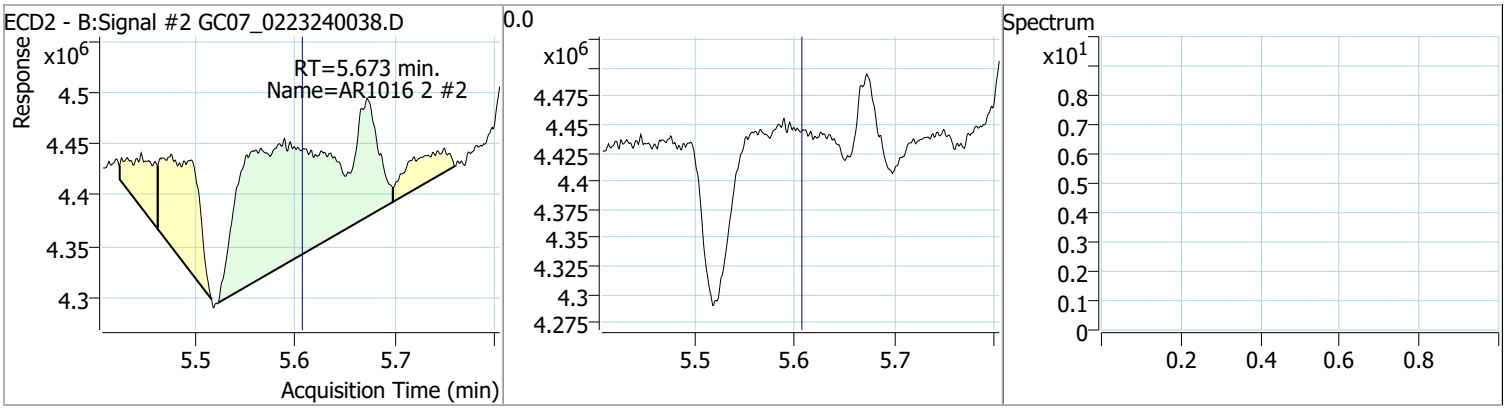

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 382.2647 | 5.43 | -0.03 | 40598715 | | | | |



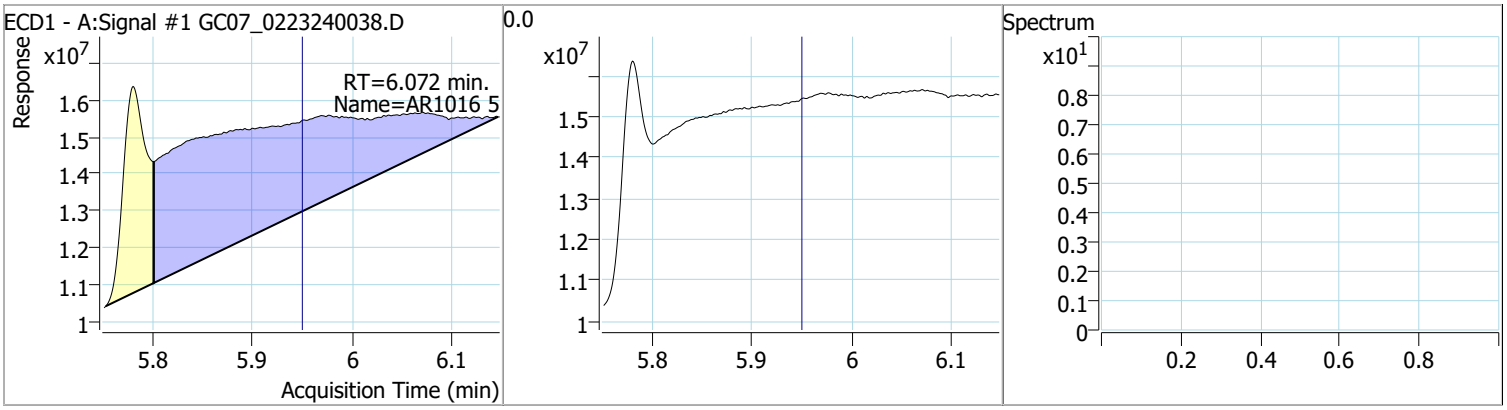

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 696.0177 | 5.52 | -0.06 | 49822079 | | | | |



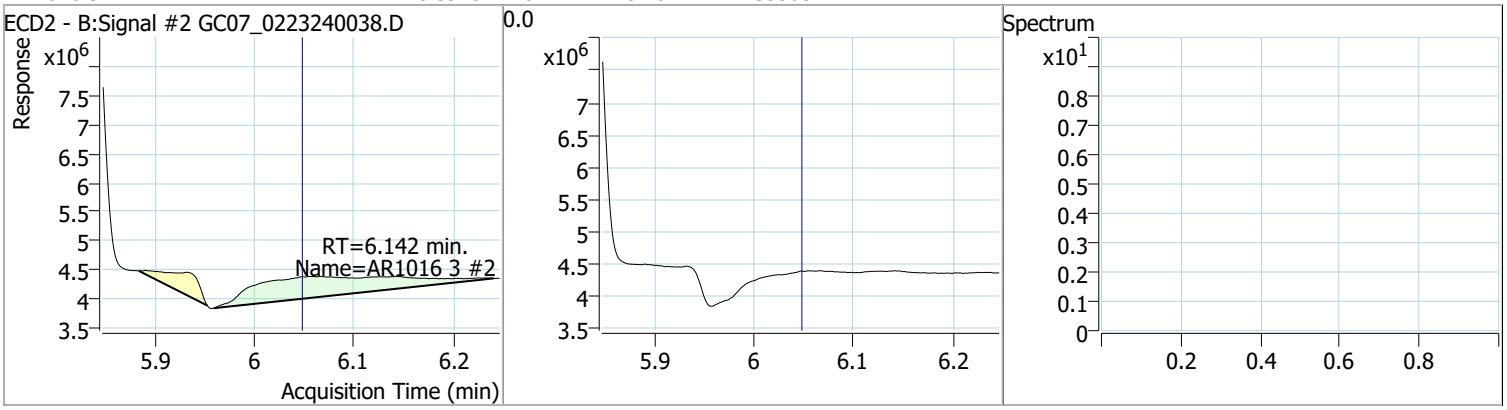

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 53.4124 | 5.67 | 0.07 | 929472 | | | | |



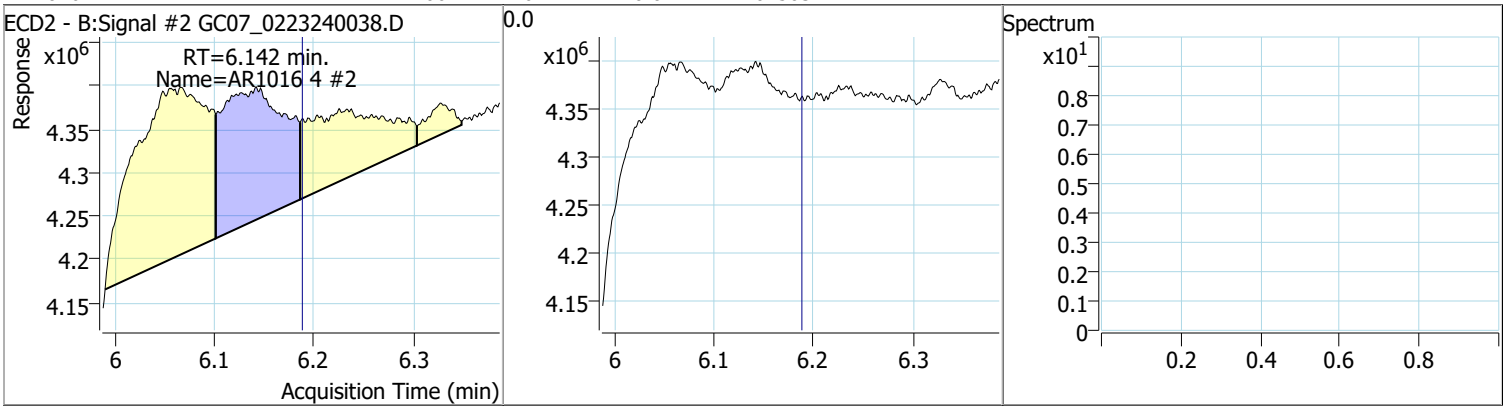
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 669.8626 | 6.07 | 0.12 | 42465377 | | | | |



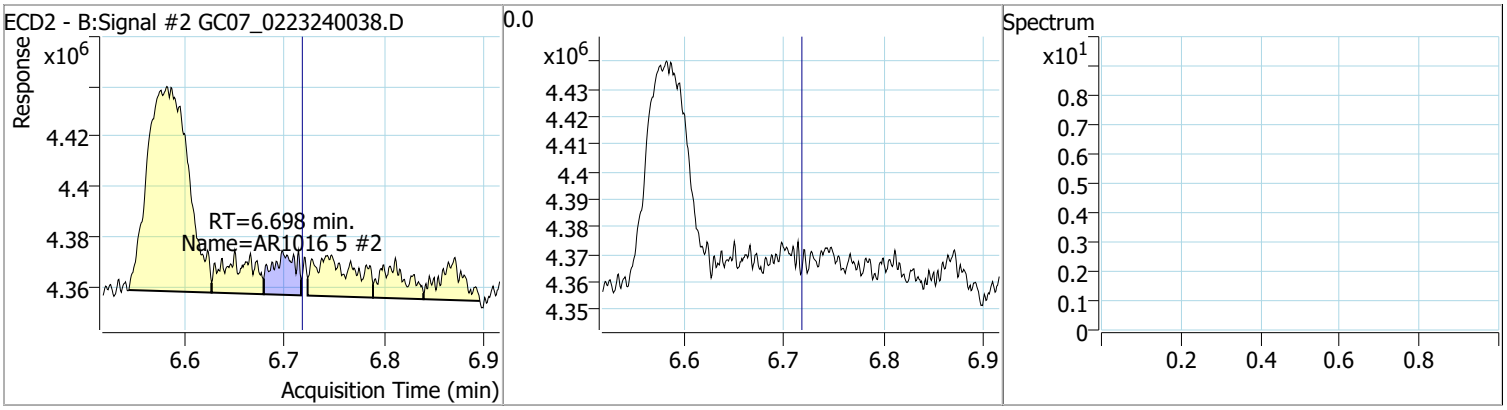

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 148.3925 | 6.14 | 0.10 | 3550641 | | | | |



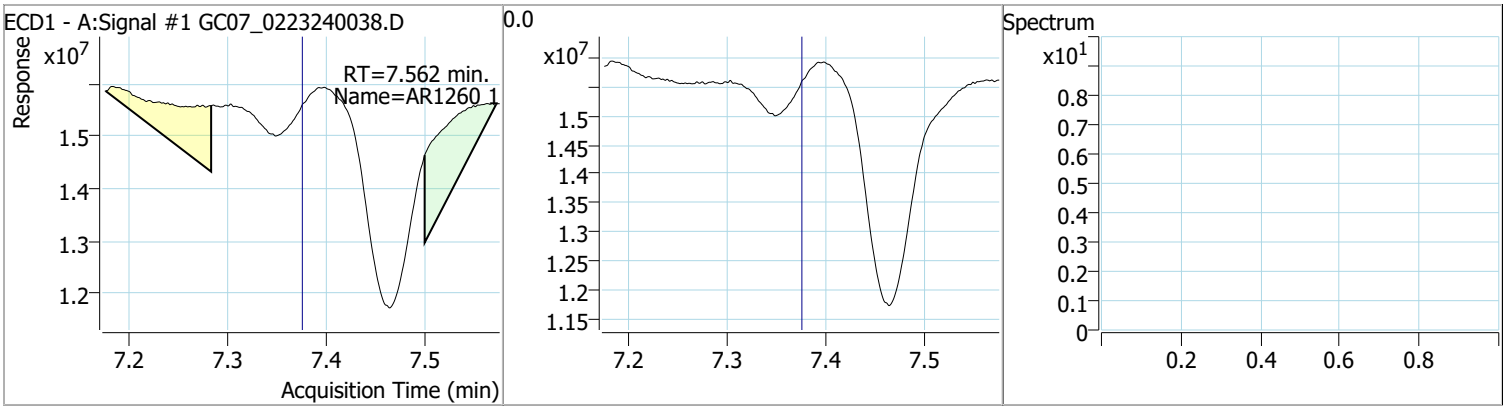

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 42.6612 | 6.14 | -0.04 | 675037 | | | | |



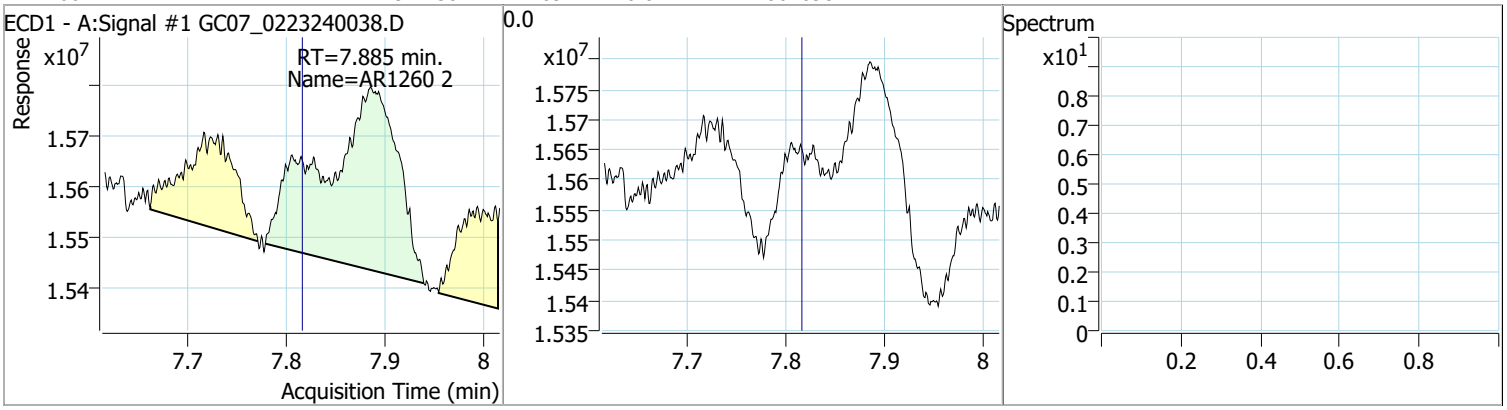

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 2.2589 | 6.70 | -0.02 | 28838 | | | | |



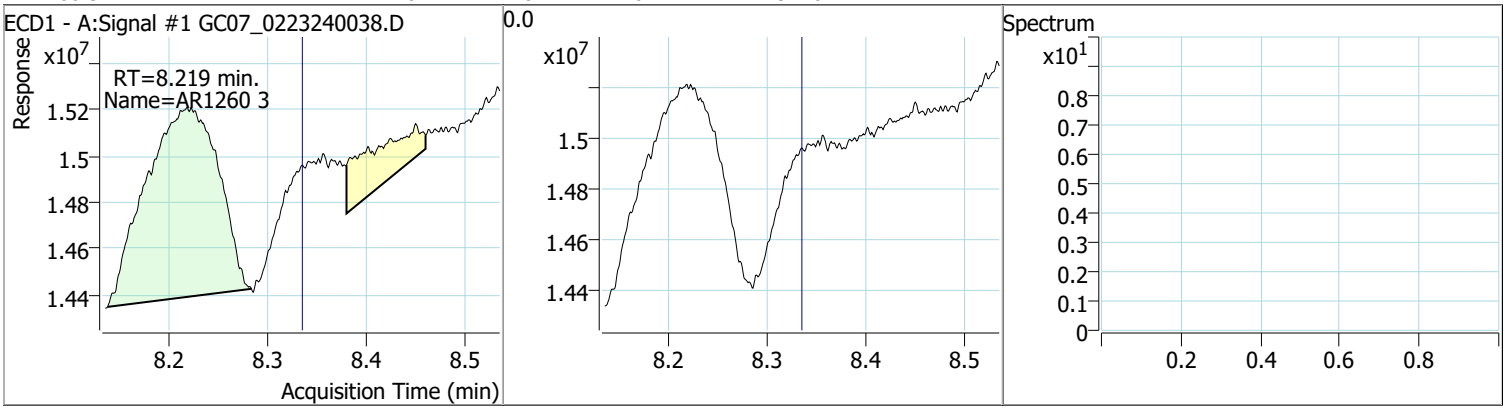
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 35.8495 | 7.56 | 0.19 | 4557213 | | | | |



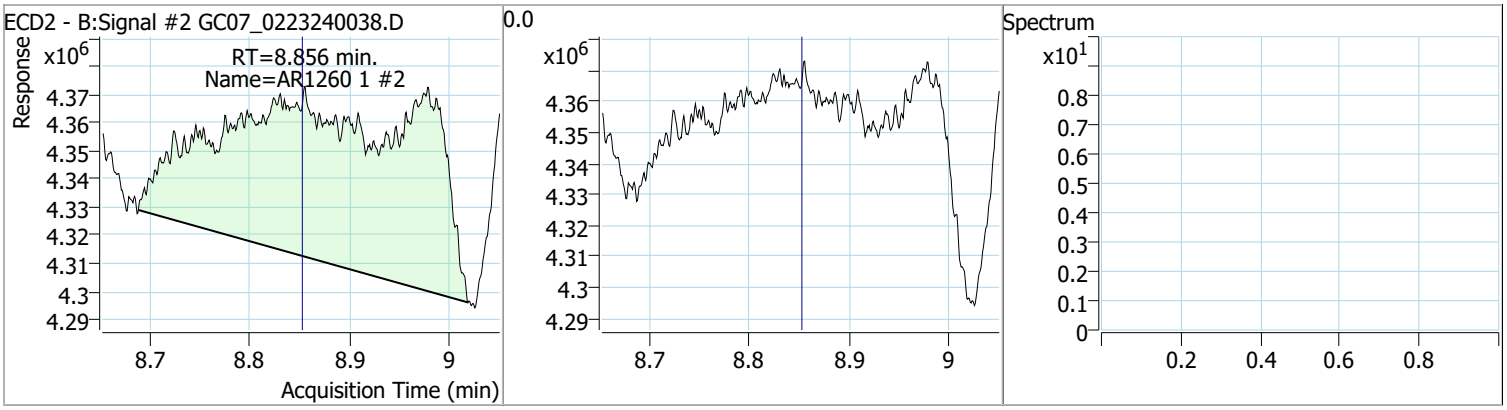

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 9.1458 | 7.89 | 0.07 | 1864095 | | | | |



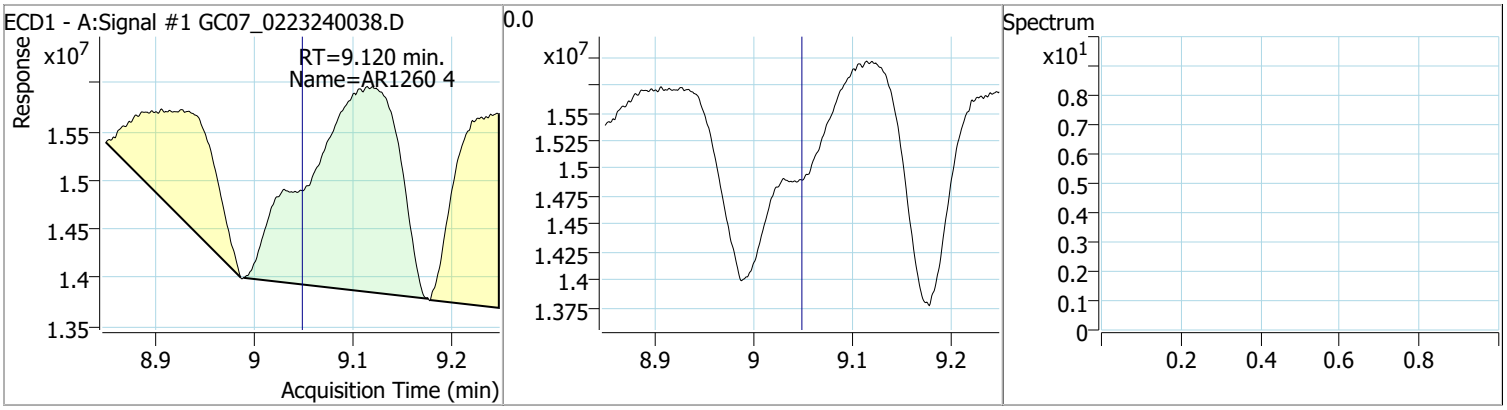

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 18.1711 | 8.22 | -0.12 | 4194702 | | | | |



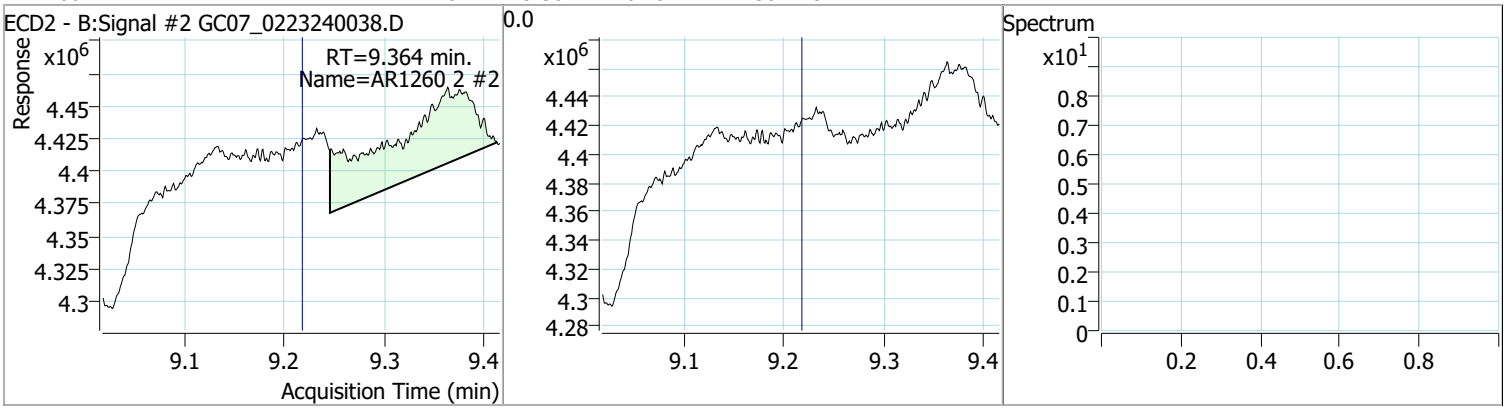

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 28.3945 | 8.86 | 0.00 | 845696 | | | | |



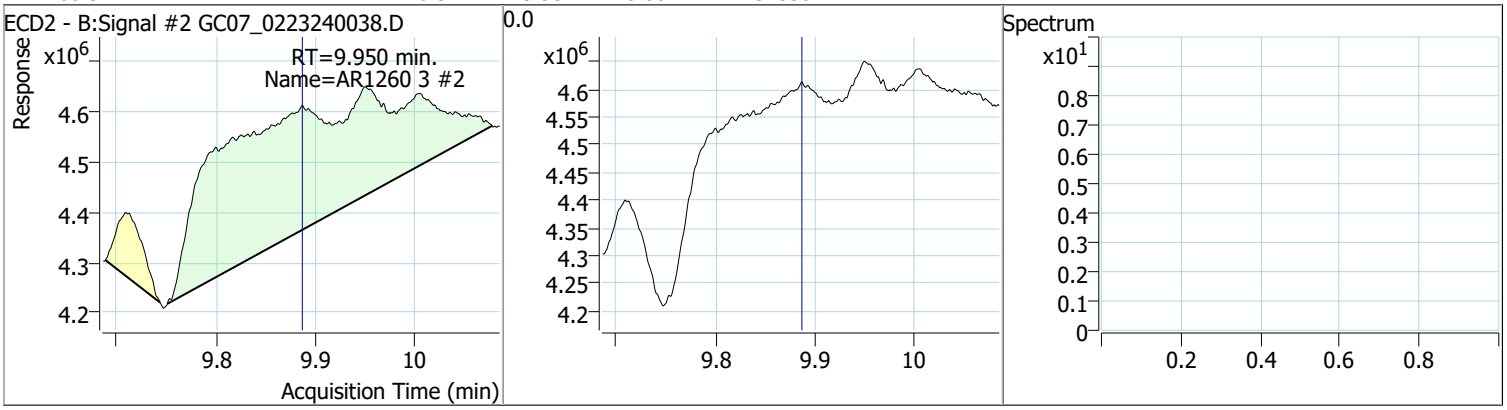
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 103.4483 | 9.12 | 0.07 | 13393610 | | | | |



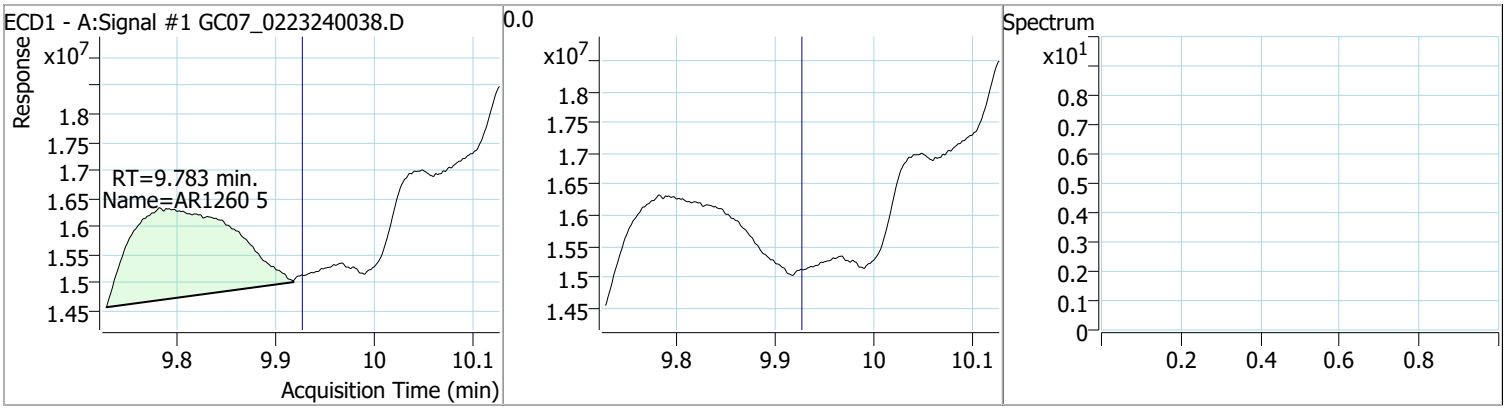

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 11.2752 | 9.36 | 0.15 | 367243 | | | | |



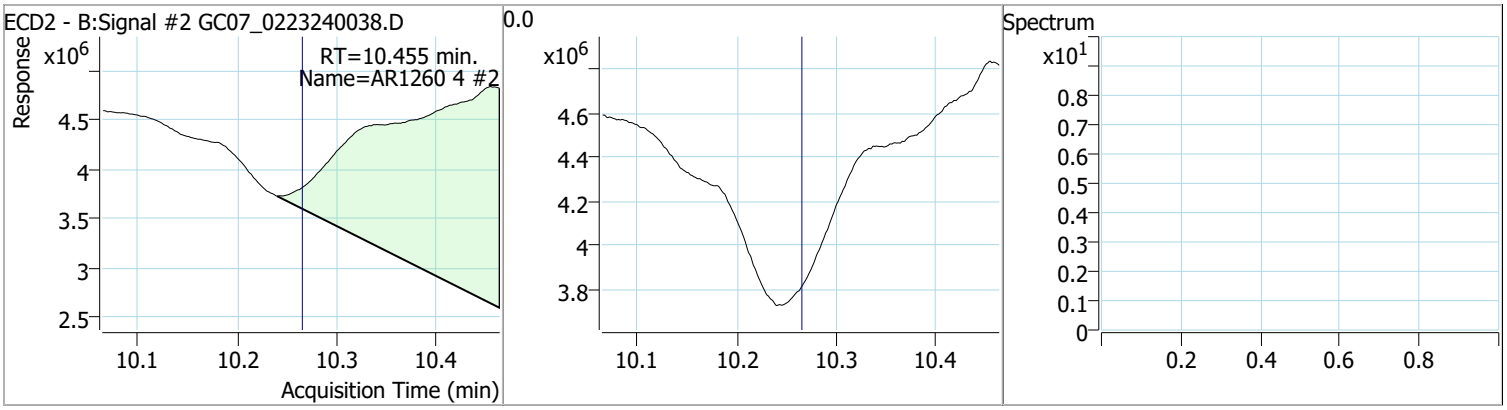

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 146.5274 | 9.95 | 0.06 | 3285012 | | | | |



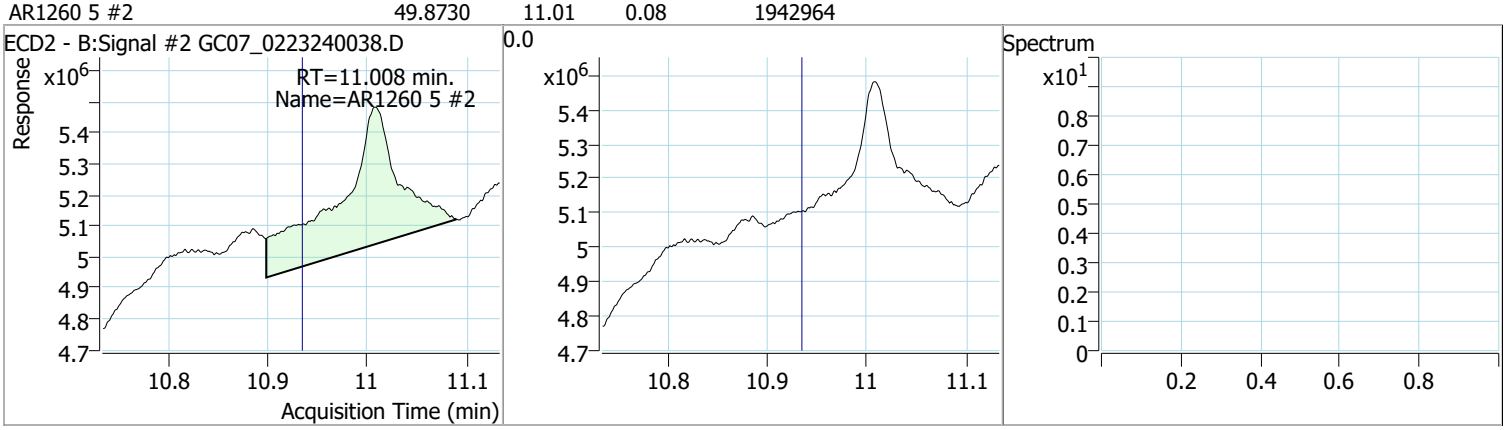

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 88.9205 | 9.78 | -0.15 | 11808283 | | | | |



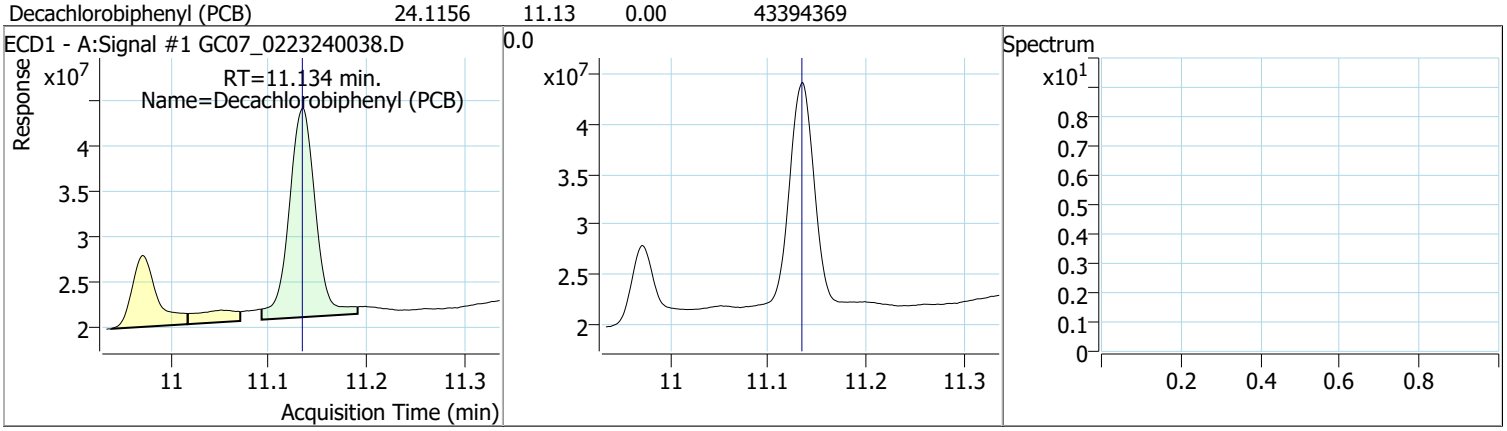
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 629.6475 | 10.46 | 0.19 | 16231696 | | | | |



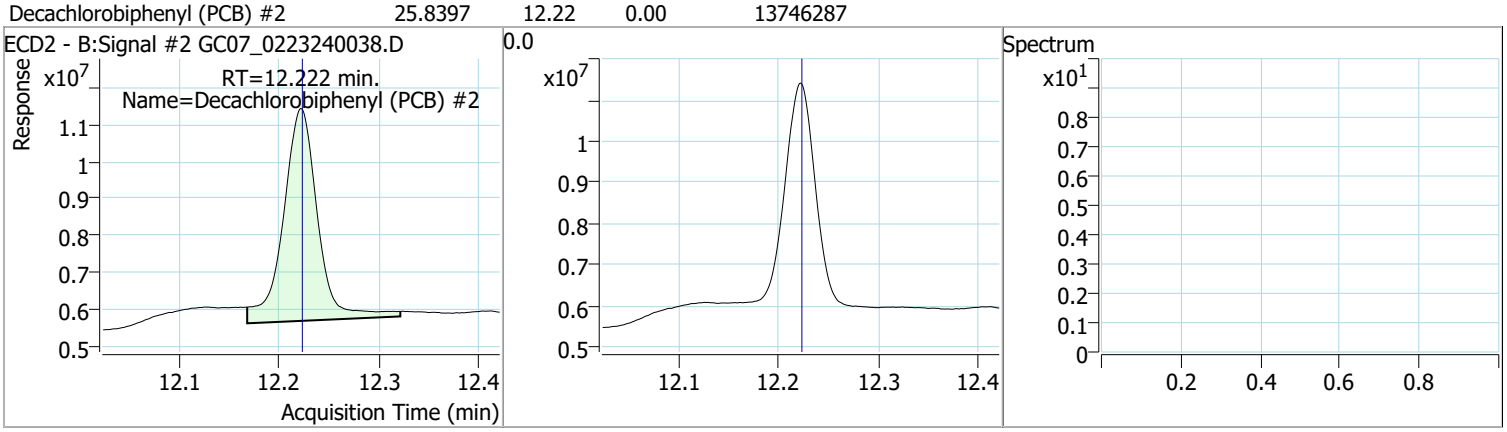

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 49.8730 | 11.01 | 0.08 | 1942964 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 24.1156 | 11.13 | 0.00 | 43394369 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.8397 | 12.22 | 0.00 | 13746287 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-012 | Client ID: | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA |
| Seqnum: | 464078296039 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240039 | Batch: | 333612 | Time: | 23-FEB-2024 19:27 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 49.36 | ug/L | ND | 2.3 | 130% | 0.50 | | u |
| Aroclor-1016 Peak # 1 | B | 72.08 | ug/L | 0.72 | 0.70 | 3% | | | |
| Aroclor-1016 Peak # 2 | B | 57.22 | ug/L | 0.57 | 0.20 | 95% | | | |
| Aroclor-1016 Peak # 3 | B | 35.92 | ug/L | 0.36 | 3.19 | 159% | | | |
| Aroclor-1016 Peak # 4 | B | 77.21 | ug/L | 0.77 | 4.28 | 139% | | | |
| Aroclor-1016 Peak # 5 | B | 4.366 | ug/L | 0.04 | 3.23 | 195% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 59.41 | ug/L | ~~0.59~~ FP | 0.72 | 20% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 39.32 | ug/L | 0.39 | 2.13 | 138% | | | |
| Aroclor-1260 Peak # 2 | B | 48.13 | ug/L | 0.48 | 0.01 | 188% | | | |
| Aroclor-1260 Peak # 3 | B | 150.4 | ug/L | 1.50 | 0.17 | 160% | | | |
| Aroclor-1260 Peak # 4 | B | 0 | ug/L | ND | 1.16 | | | | |
| Aroclor-1260 Peak # 5 | B | 59.20 | ug/L | 0.59 | 0.15 | 121% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 28.51 | pg/uL | 0.5000 | 0.2851 | 57 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 25.56 | pg/uL | 0.5000 | 0.2556 | 51 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 10049450 | 43.91 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 55260111 | 58.39 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

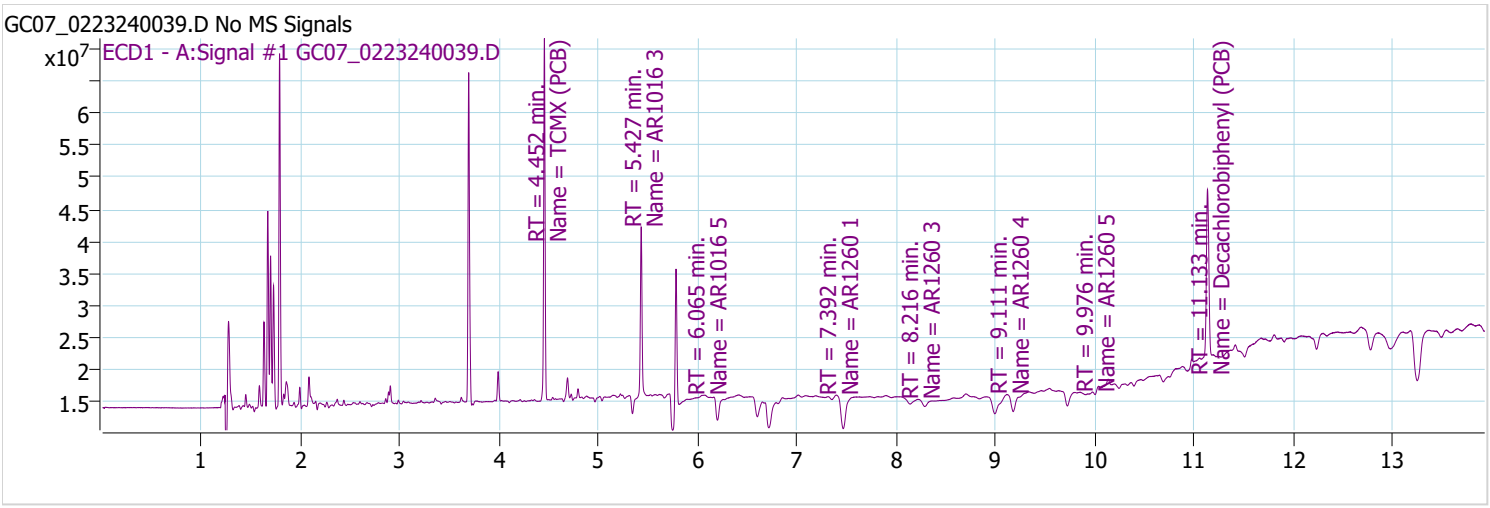
02/24/24 : WIPE/1S-10ML//

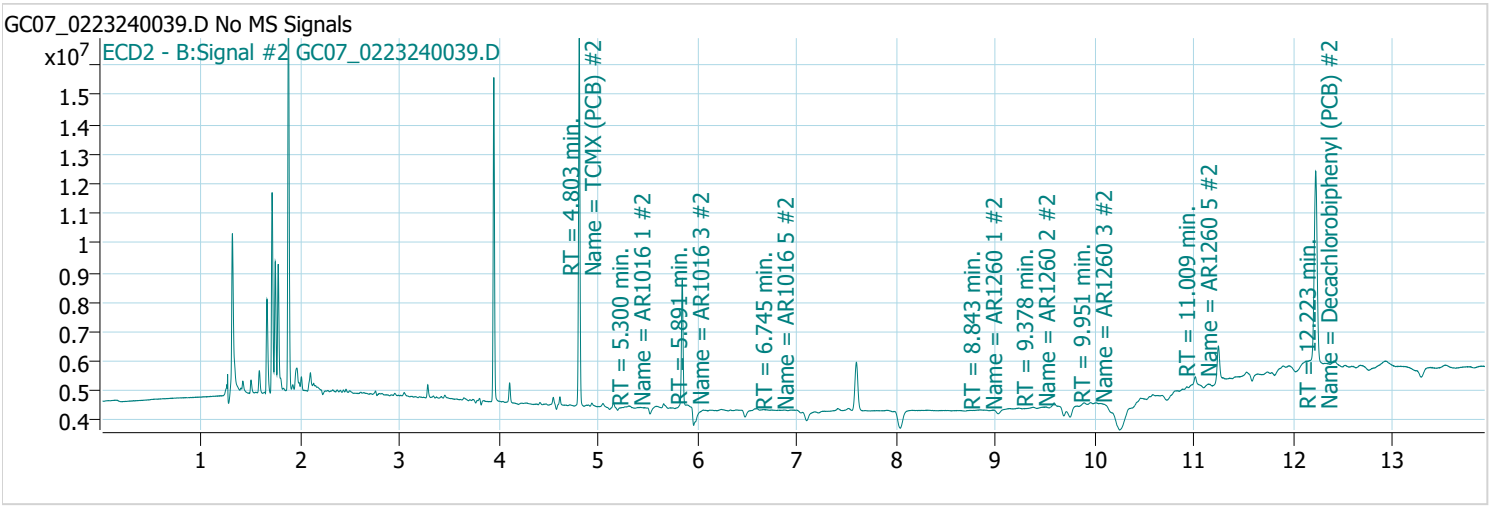
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240039.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 7:27:57 PM |
| Sample Name | 502501-012, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 10 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



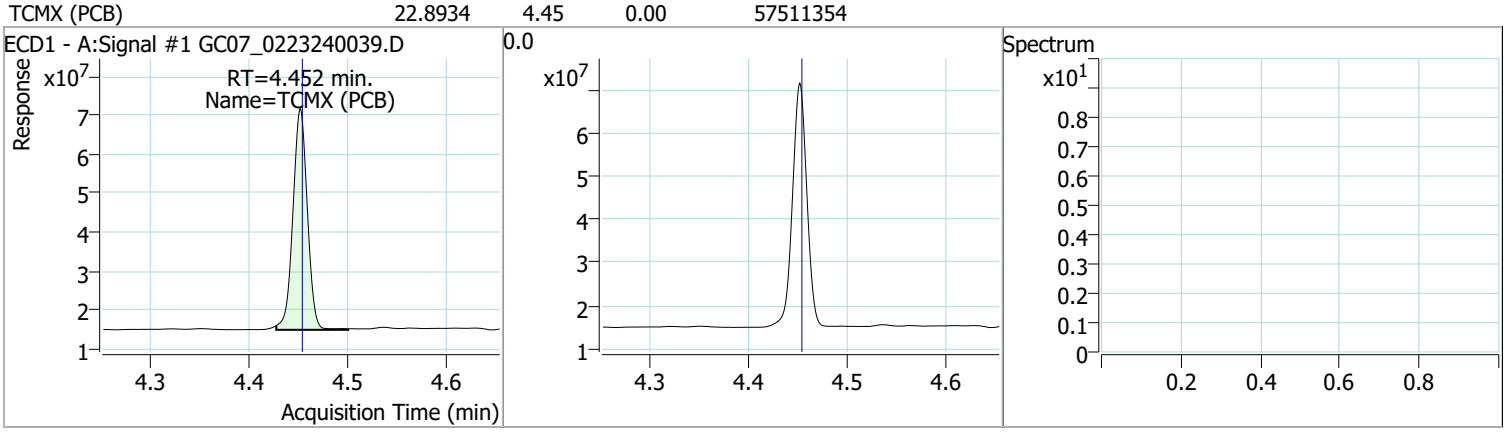




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 55260110.933 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 10049450.168 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 57511354.086 | 22.8934 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 114.47% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 12486782.799 | 28.5095 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 142.55% | | |
| S Decachlorobiphenyl (PCB) | 11.133 | 0.0 | 51499585.879 | 23.3231 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 116.62% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.223 | 0.0 | 14621499.810 | 25.5602 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 127.80% | | |
| **Target Compounds** | | | | | | QValue |

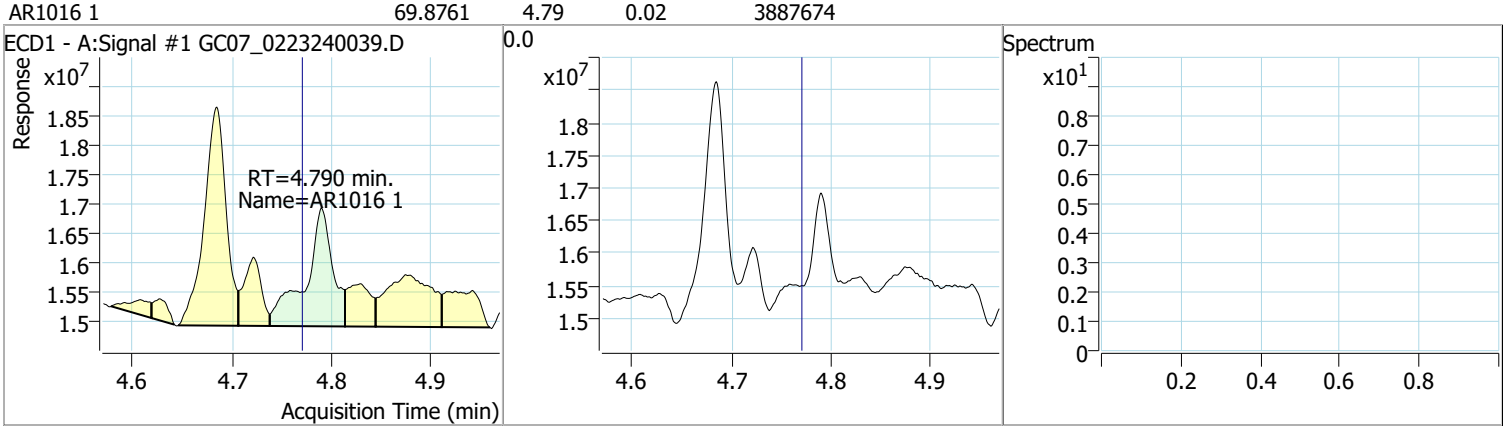
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.790 | 0.0 | 3887674.008 | 69.8761 | ng/ml | 100 |
| T AR1016 2 | 5.012 | 0.0 | 2000993.302 | 20.4296 | ng/ml | 100 |
| T AR1016 1 #2 | 5.300 | 0.0 | 676086.860 | 72.0803 | ng/ml | 100 |
| T AR1016 3 | 5.427 | 0.0 | 41510651.411 | 318.5139 | ng/ml | 100 |
| T AR1016 4 | 5.427 | 0.0 | 37554630.182 | 427.5420 | ng/ml | 100 |
| T AR1016 2 #2 | 5.584 | 0.0 | 1070759.210 | 57.2226 | ng/ml | 100 |
| T AR1016 5 | 6.065 | 0.0 | 25138916.618 | 323.1575 | ng/ml | 100 |
| T AR1016 3 #2 | 5.891 | 0.0 | 924111.419 | 35.9169 | ng/ml | 100 |
| T AR1016 4 #2 | 6.237 | 0.0 | 1313648.215 | 77.2066 | ng/ml | 100 |
| T AR1016 5 #2 | 6.745 | 0.0 | 59941.114 | 4.3665 | ng/ml | 100 |
| T AR1260 1 | 7.392 | 0.0 | 33271415.853 | 213.2907 | ng/ml | 100 |
| T AR1260 2 | 7.818 | 0.0 | 361084.018 | 1.4437 | ng/ml | 100 |
| T AR1260 3 | 8.216 | 0.0 | 4770894.705 | 16.8421 | ng/ml | 100 |
| T AR1260 1 #2 | 8.843 | 0.0 | 1259285.264 | 39.3200 | ng/ml | 100 |
| T AR1260 4 | 9.111 | 0.0 | 18363648.578 | 115.5850 | ng/ml | 100 |
| T AR1260 2 #2 | 9.378 | 0.0 | 1685756.574 | 48.1321 | ng/ml | 100 |
| T AR1260 3 #2 | 9.951 | 0.0 | 3626144.118 | 150.4170 | ng/ml | 100 |
| T AR1260 5 | 9.976 | 0.0 | 2381766.310 | 14.6161 | ng/ml | 100 |
| T AR1260 4 #2 | 0.000 | | 0 | N.D. | | |
| T AR1260 5 #2 | 11.009 | 0.0 | 2479927.219 | 59.1984 | ng/ml | 100 |

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

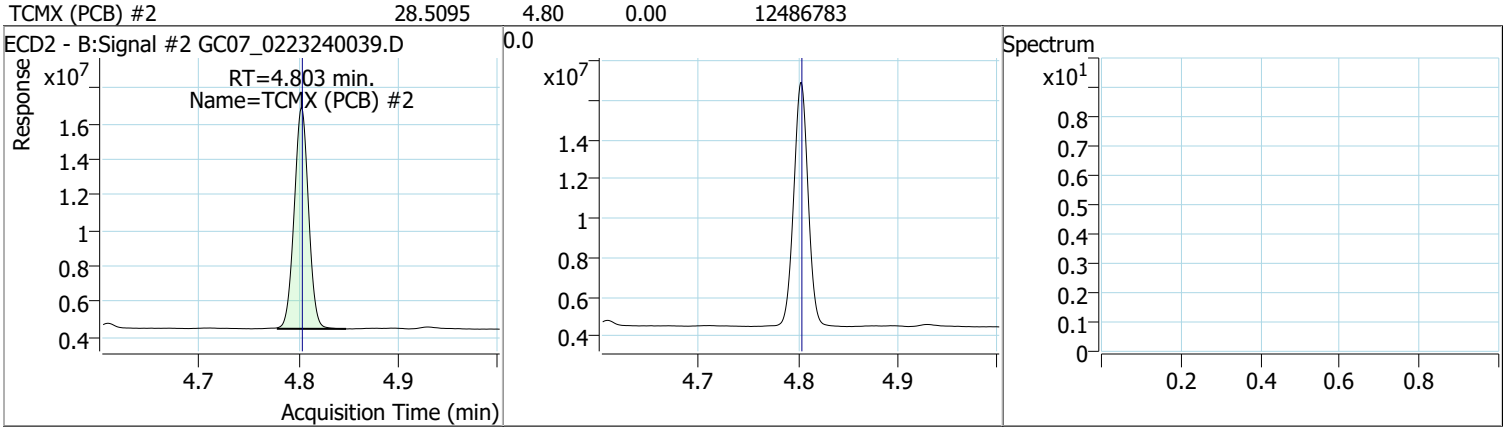
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 22.8934 | 4.45 | 0.00 | 57511354 | | | | |



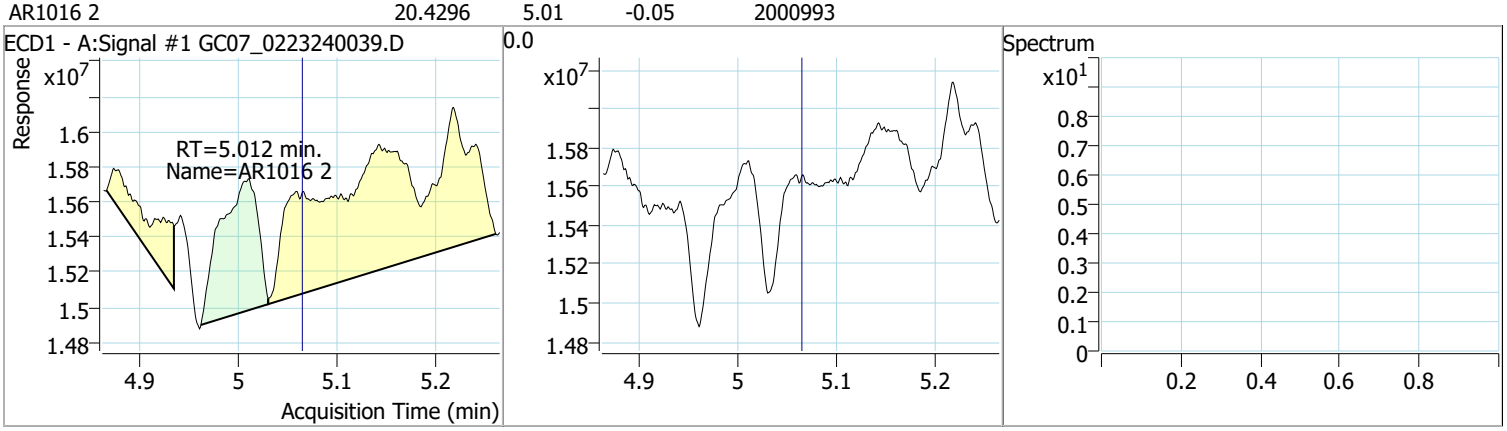

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 69.8761 | 4.79 | 0.02 | 3887674 | | | | |



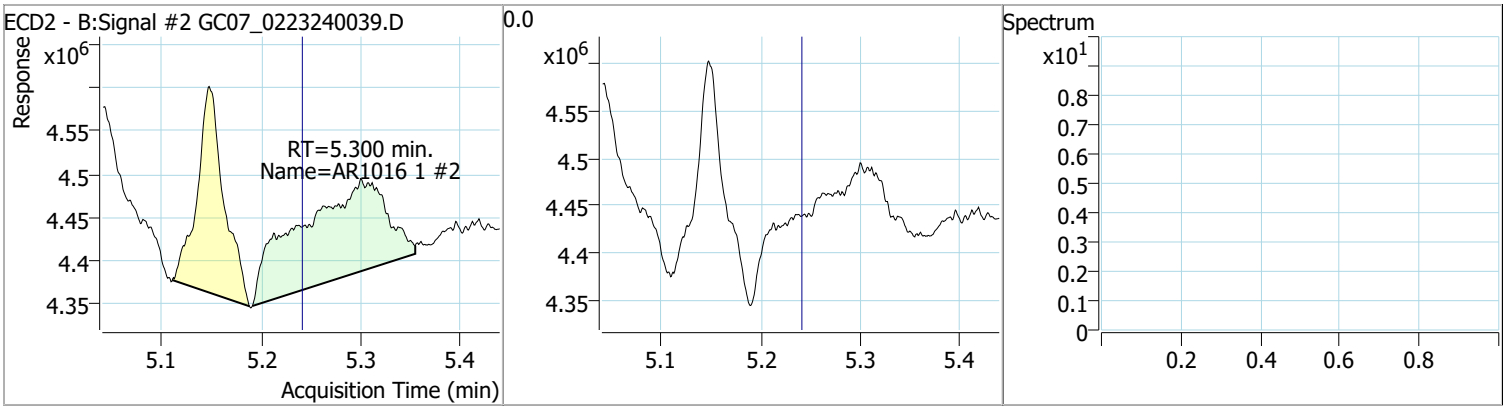

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 28.5095 | 4.80 | 0.00 | 12486783 | | | | |



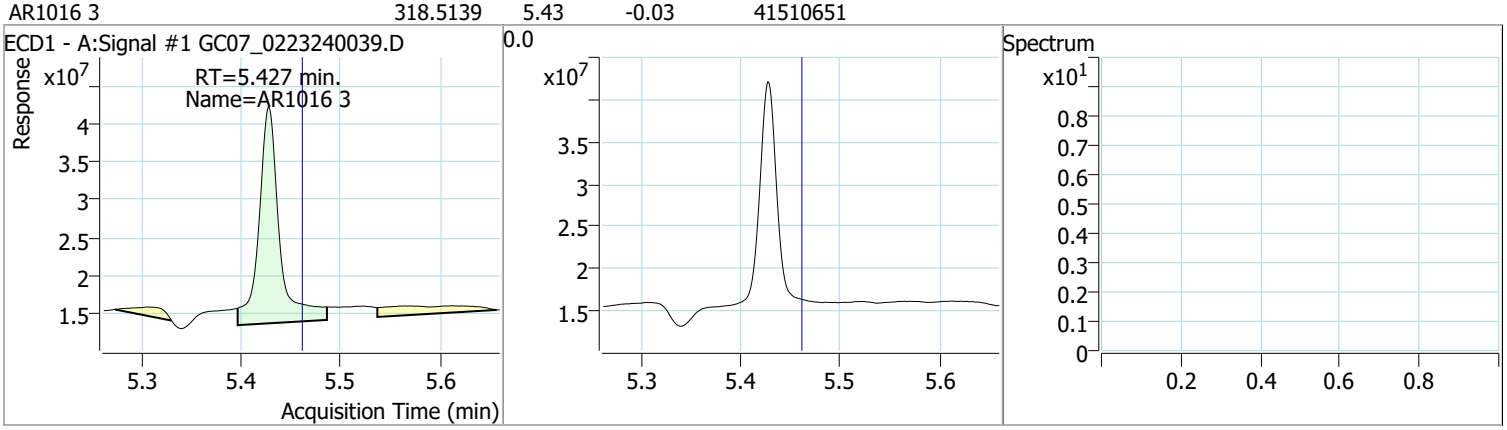

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 20.4296 | 5.01 | -0.05 | 2000993 | | | | |



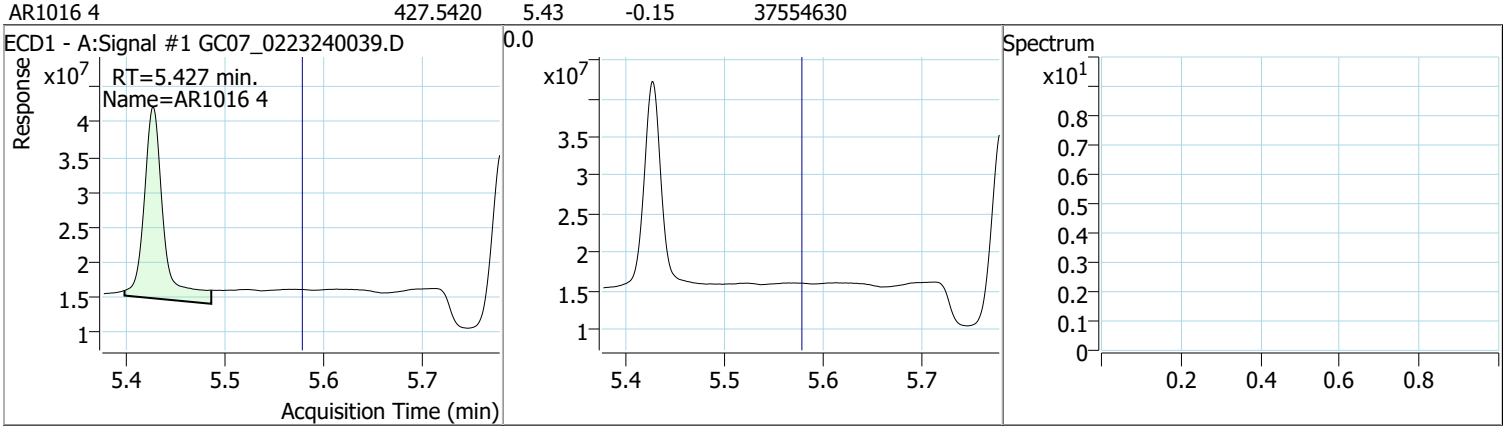
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 72.0803 | 5.30 | 0.06 | 676087 | | | | |



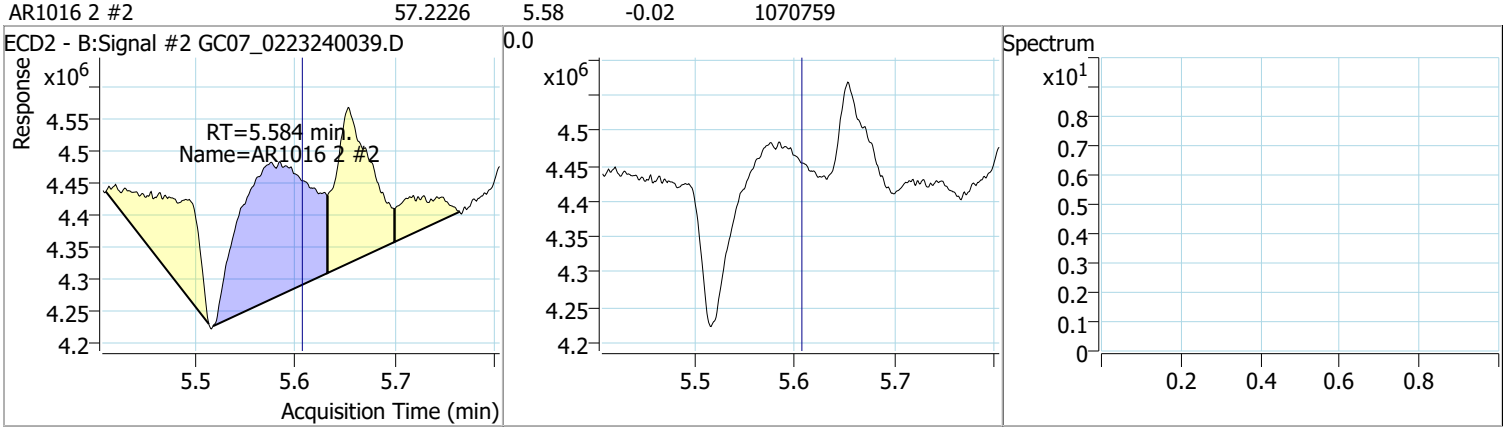

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 318.5139 | 5.43 | -0.03 | 41510651 | | | | |



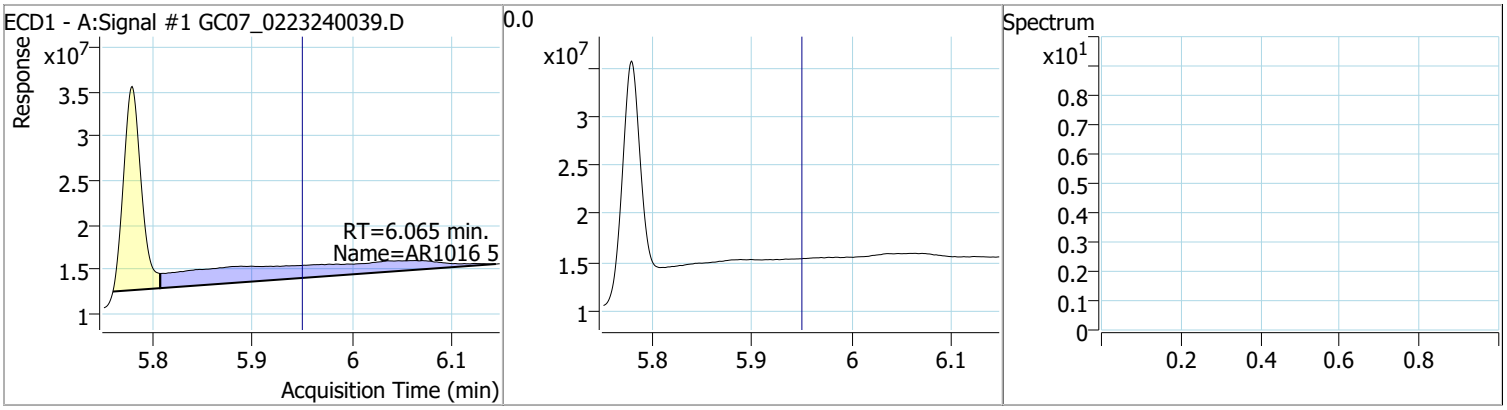

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 427.5420 | 5.43 | -0.15 | 37554630 | | | | |



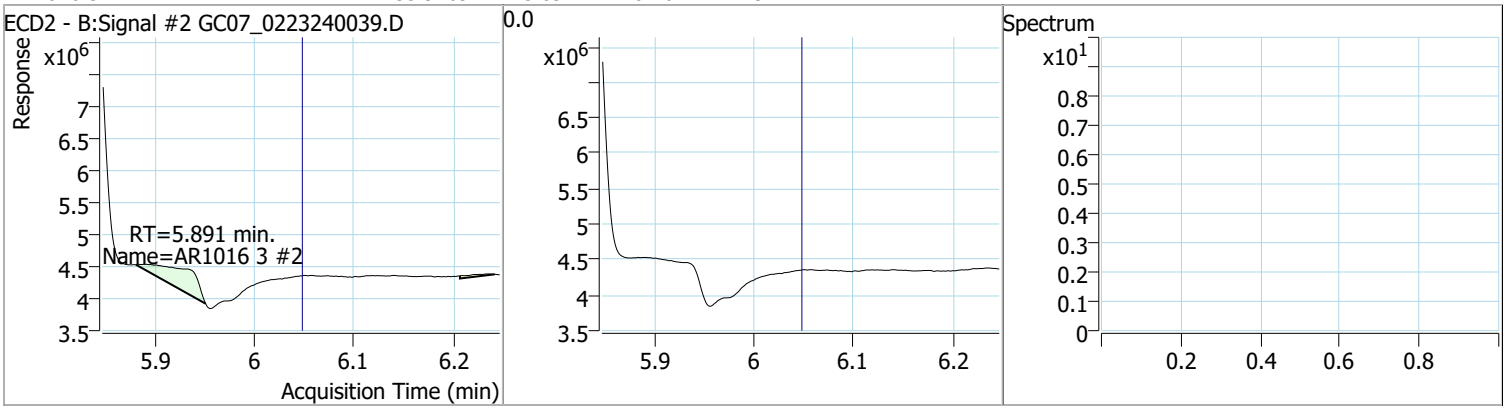

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 57.2226 | 5.58 | -0.02 | 1070759 | | | | |



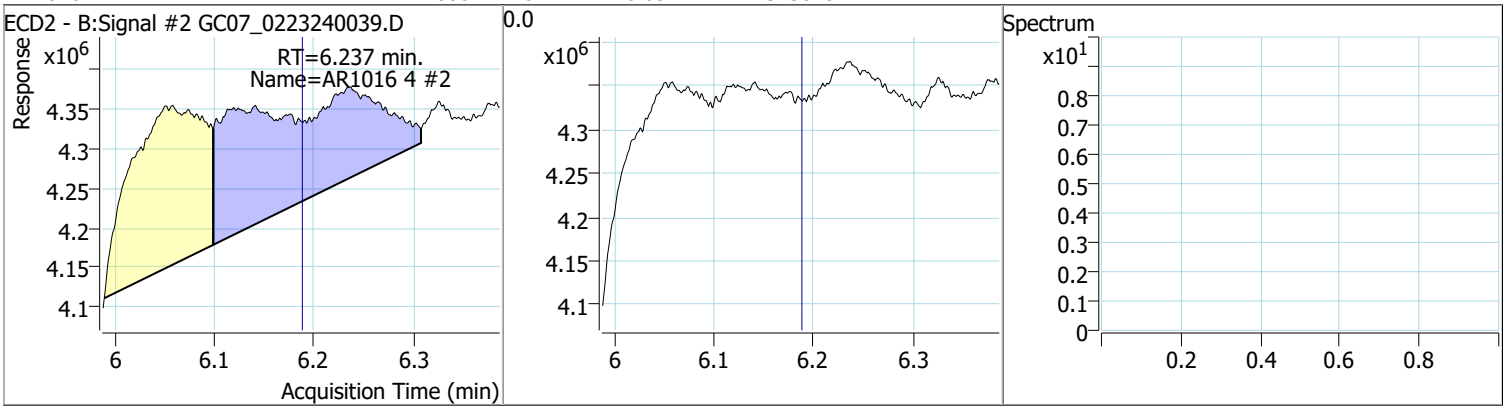
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 323.1575 | 6.07 | 0.12 | 25138917 | | | | |



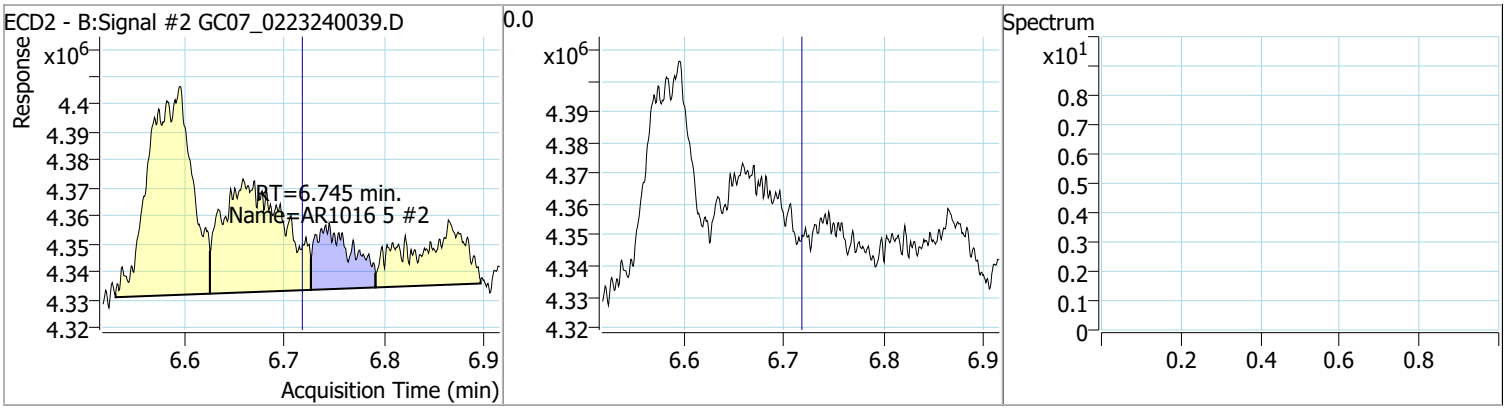

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 35.9169 | 5.89 | -0.16 | 924111 | | | | |



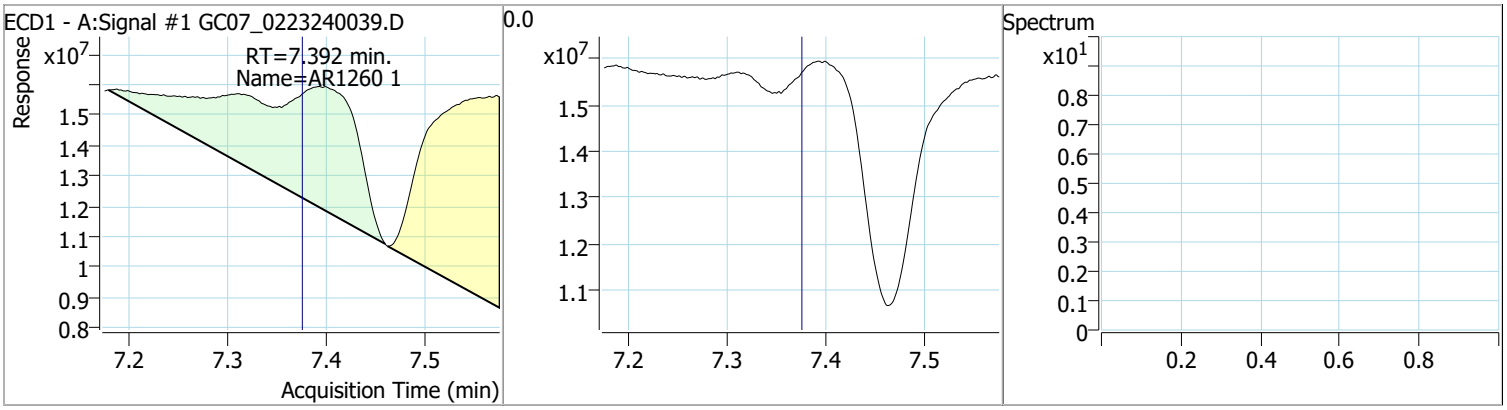

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 77.2066 | 6.24 | 0.05 | 1313648 | | | | |



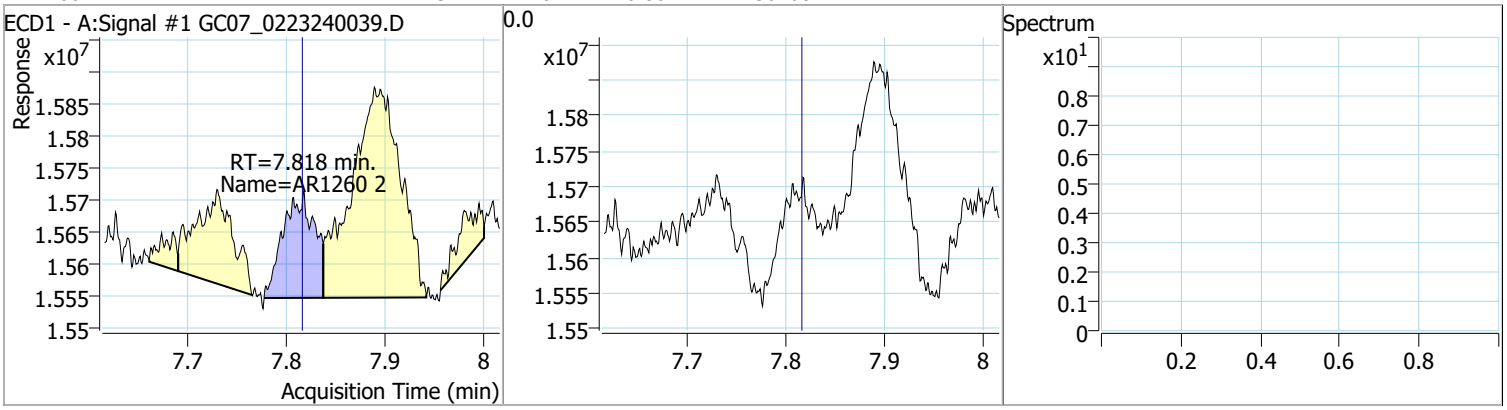

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 4.3665 | 6.75 | 0.03 | 59941 | | | | |



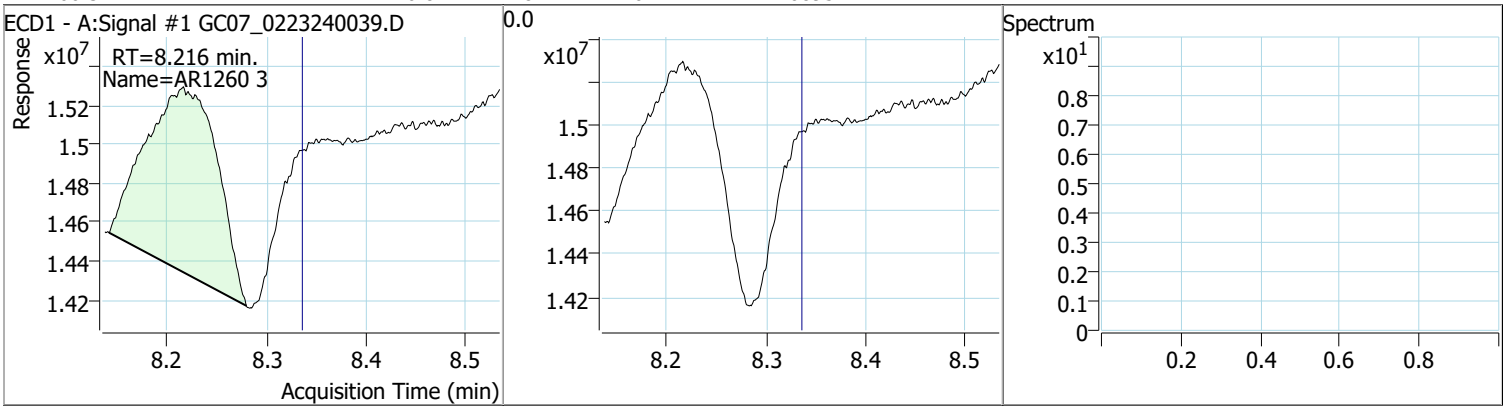
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 213.2907 | 7.39 | 0.02 | 33271416 | | | | |



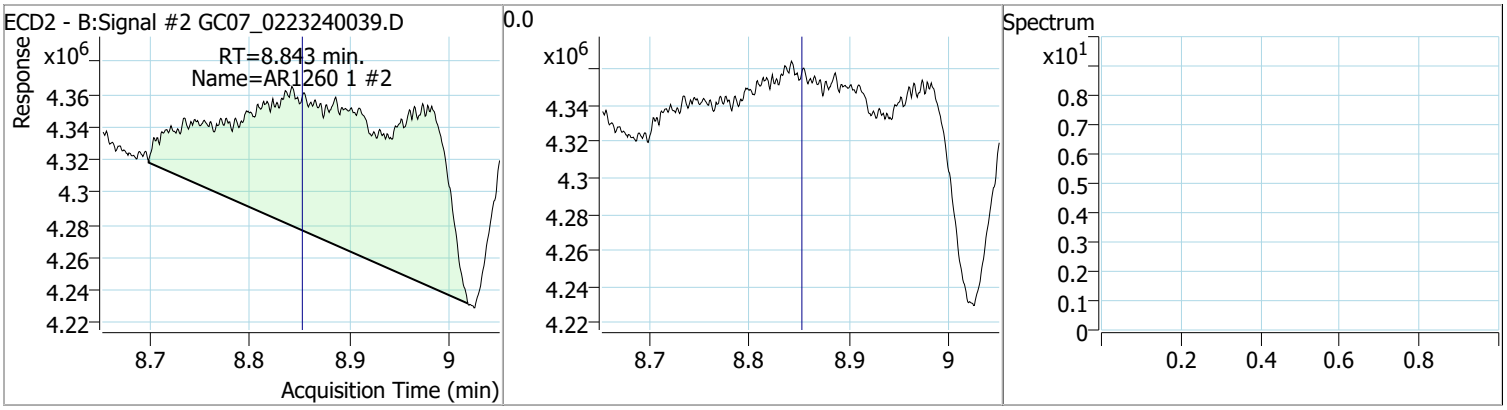

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1.4437 | 7.82 | 0.00 | 361084 | | | | |



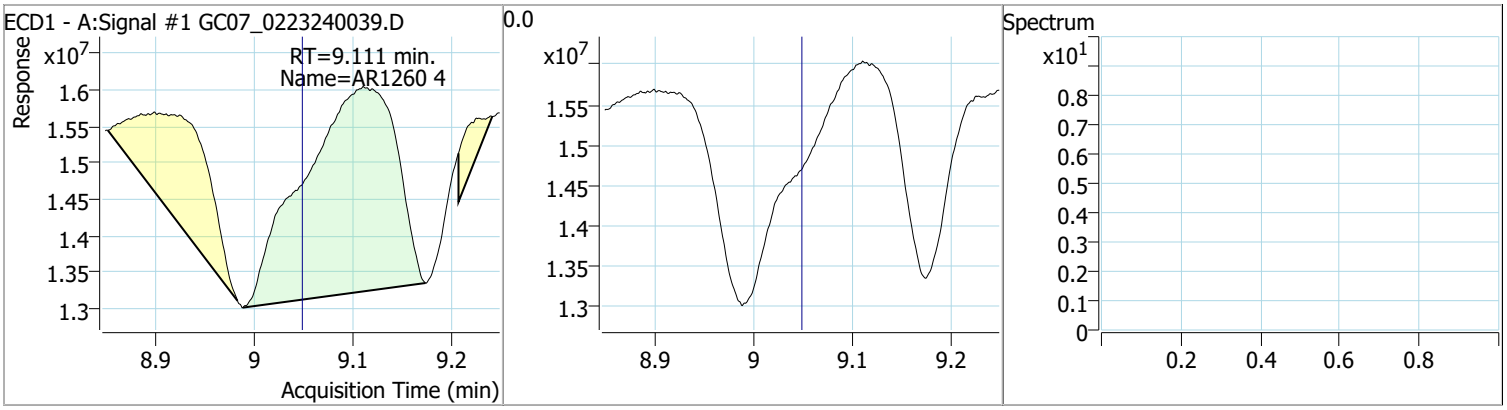

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 16.8421 | 8.22 | -0.12 | 4770895 | | | | |



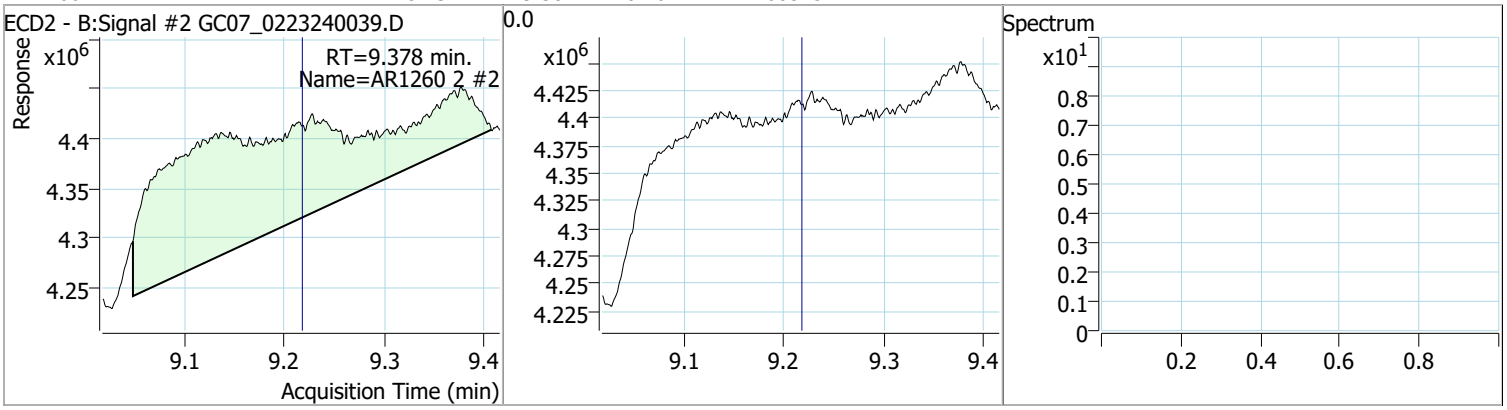

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 39.3200 | 8.84 | -0.01 | 1259285 | | | | |



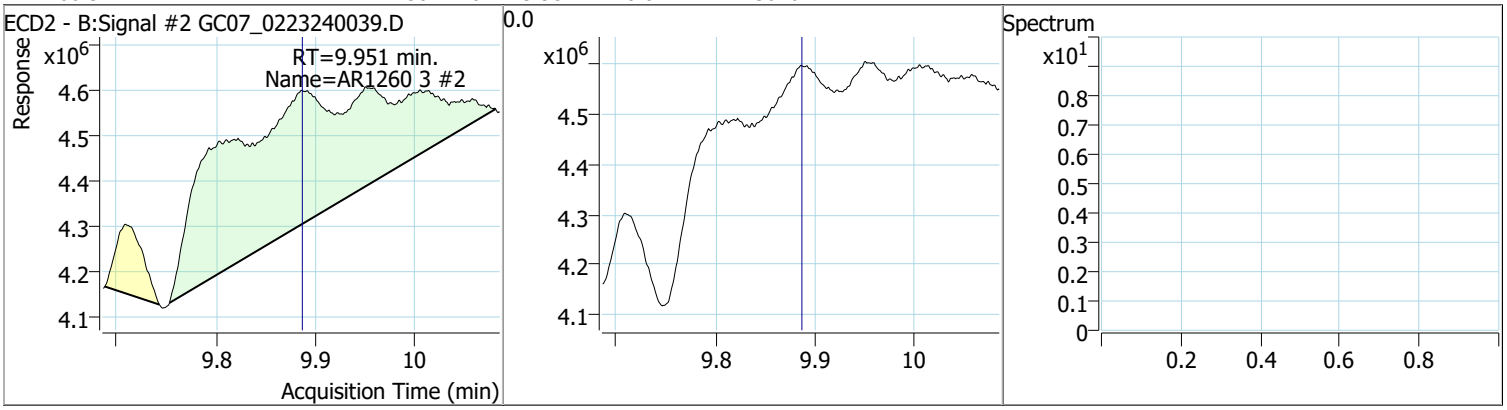
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 115.5850 | 9.11 | 0.06 | 18363649 | | | | |



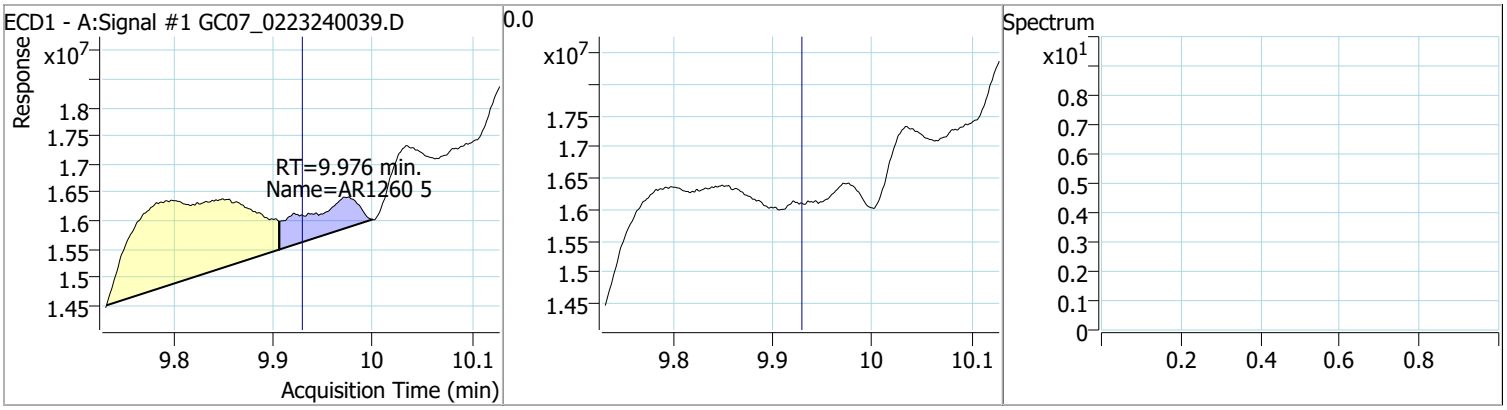

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 48.1321 | 9.38 | 0.16 | 1685757 | | | | |



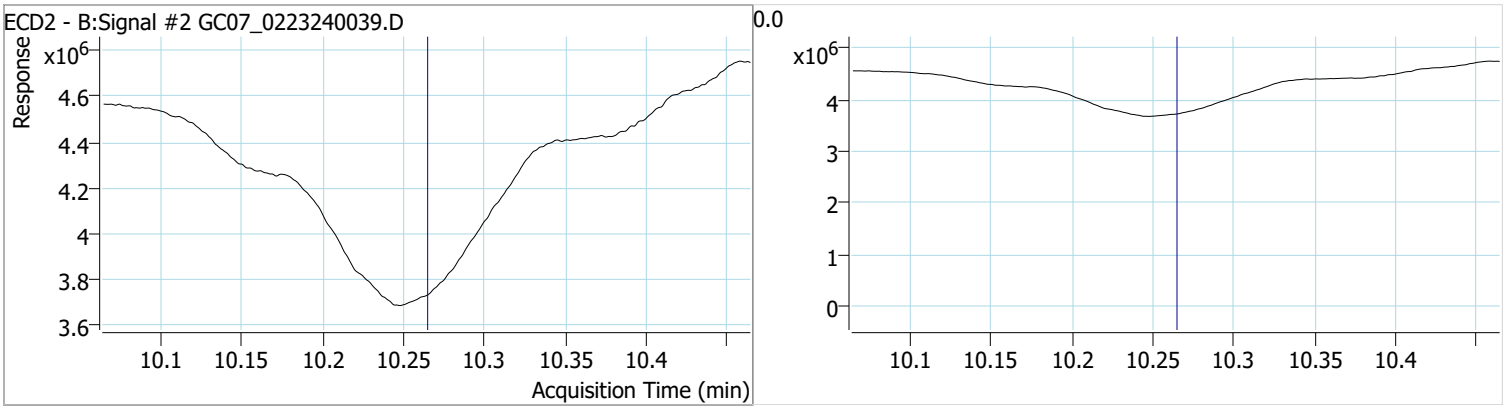

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 150.4170 | 9.95 | 0.07 | 3626144 | | | | |



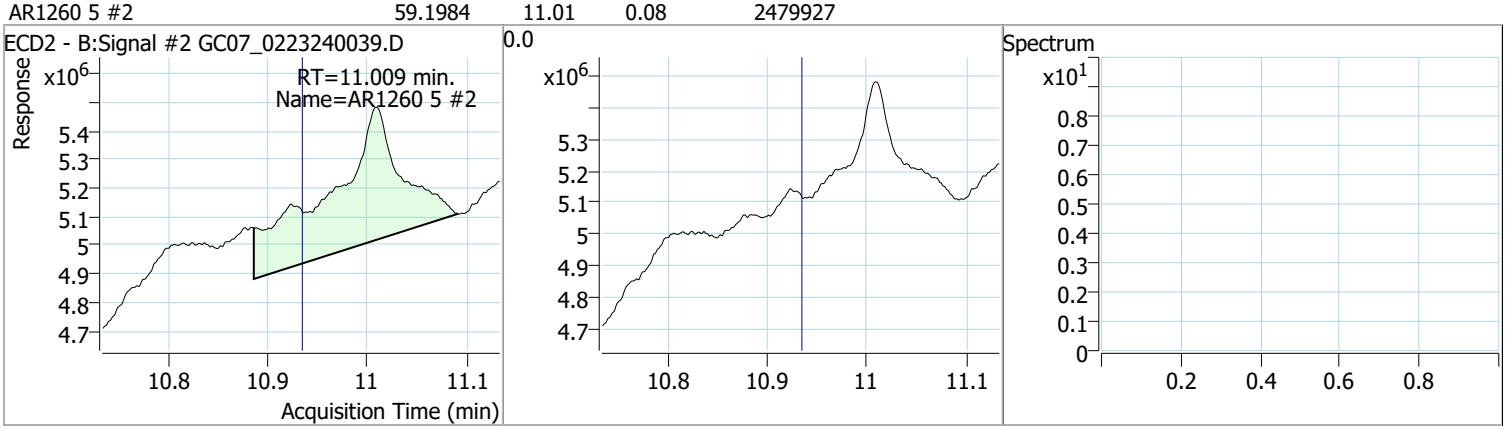

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 14.6161 | 9.98 | 0.05 | 2381766 | | | | |



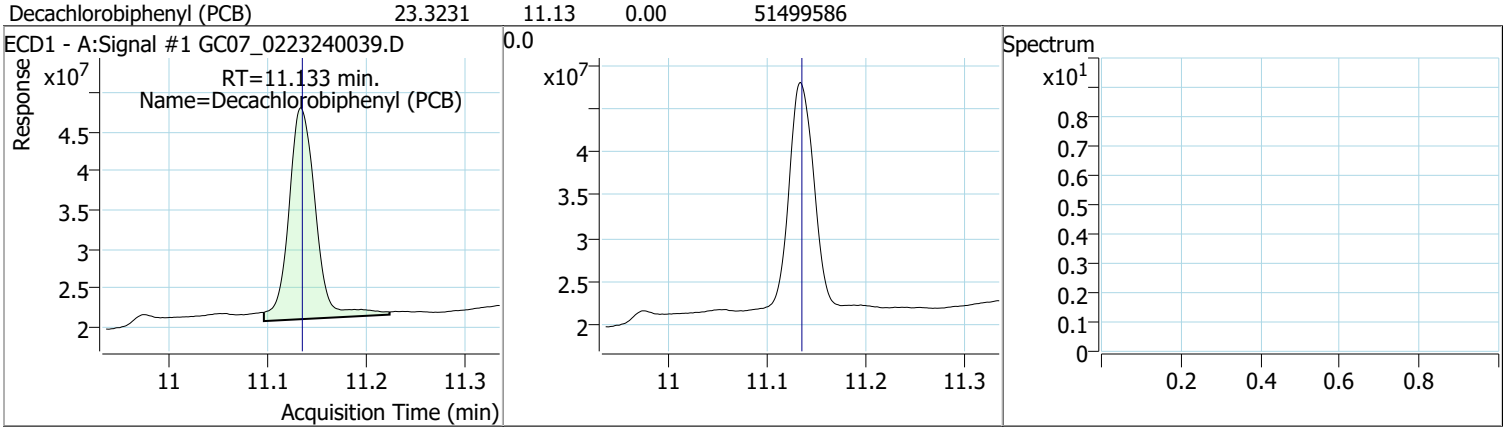
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|---|---|---|---|---|
| AR1260 4 #2 | N.D. | 10.26 | | |



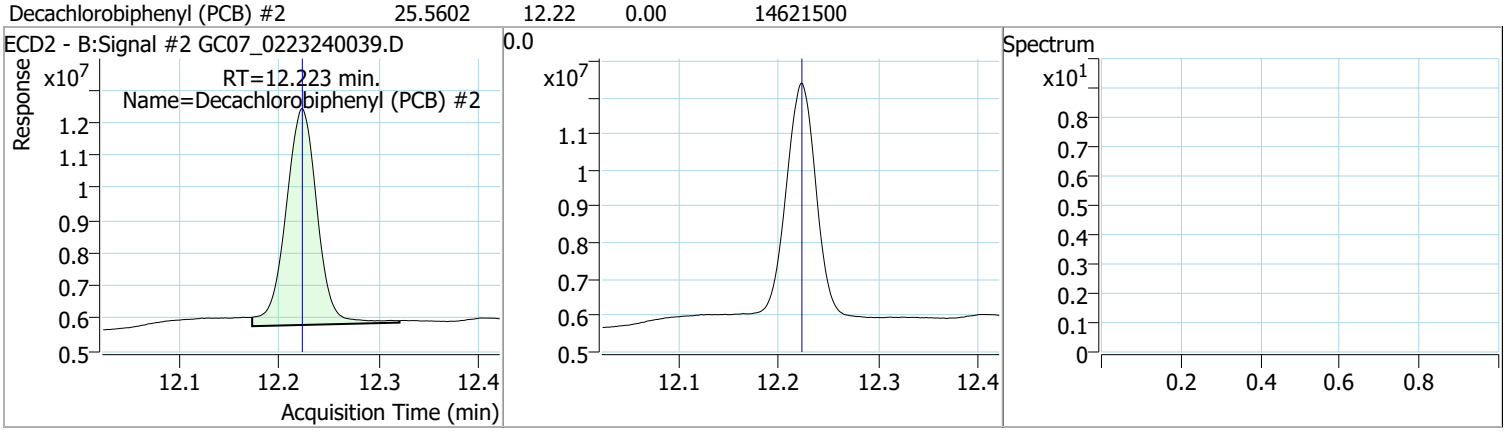

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 59.1984 | 11.01 | 0.08 | 2479927 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 23.3231 | 11.13 | 0.00 | 51499586 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.5602 | 12.22 | 0.00 | 14621500 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-014 | Client ID: | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-P-WF |
| Seqnum: | 464078296040 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240040 | Batch: | 333612 | Time: | 23-FEB-2024 19:45 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 57.45 | ug/L | ~~0.57~~ FP | 3.0 | 135% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 66.08 | ug/L | 0.66 | 0.66 | 0% | | | |
| Aroclor-1016 Peak # 2 | B | 68.40 | ug/L | 0.68 | 0.22 | 102% | | | |
| Aroclor-1016 Peak # 3 | B | 127.8 | ug/L | 1.28 | 3.39 | 91% | | | |
| Aroclor-1016 Peak # 4 | B | 23.42 | ug/L | 0.23 | 4.63 | 181% | | | |
| Aroclor-1016 Peak # 5 | B | 1.517 | ug/L | 0.02 | 6.01 | 199% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 156.8 | ug/L | ~~1.6~~ FP | 1.1 | 39% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 21.40 | ug/L | 0.21 | 2.57 | 169% | | | |
| Aroclor-1260 Peak # 2 | B | 15.15 | ug/L | 0.15 | 0.02 | 146% | | | |
| Aroclor-1260 Peak # 3 | B | 184.0 | ug/L | 1.84 | 0.20 | 161% | | | |
| Aroclor-1260 Peak # 4 | B | 525.5 | ug/L | 5.25 | 1.54 | 109% | | | |
| Aroclor-1260 Peak # 5 | B | 38.13 | ug/L | 0.38 | 0.93 | 83% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 25.54 | pg/uL | 0.5000 | 0.2554 | 51 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 22.12 | pg/uL | 0.5000 | 0.2212 | 44 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 10184953 | 45.85 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 48612002 | 39.33 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

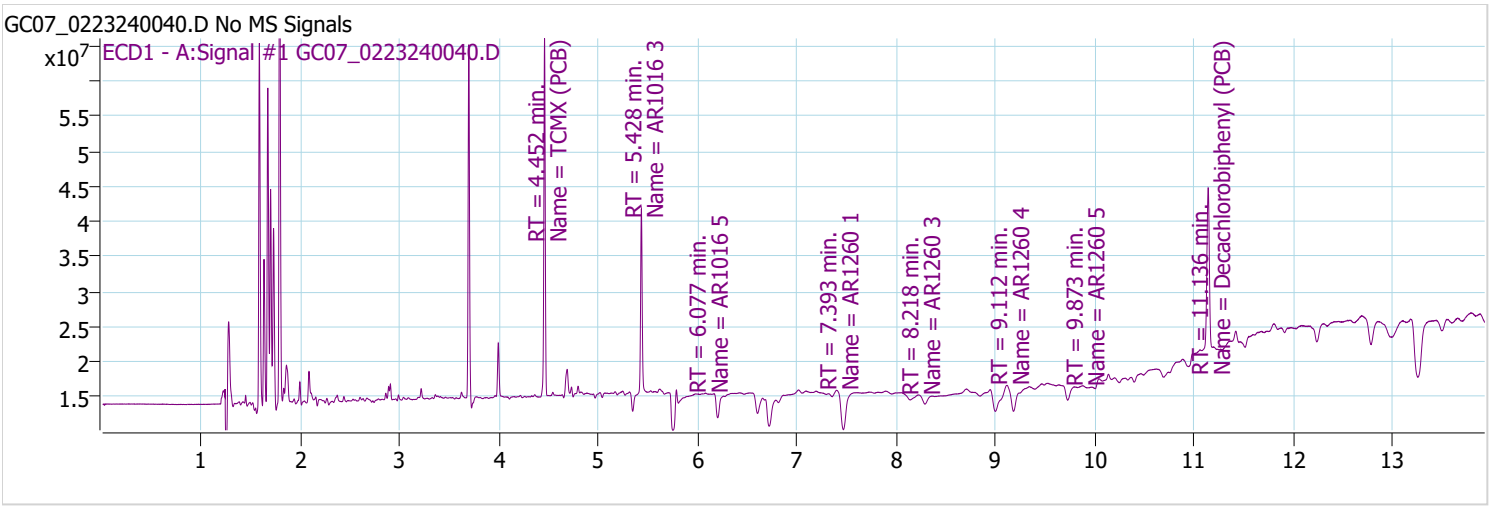
02/24/24 : WIPE/1S-10ML//

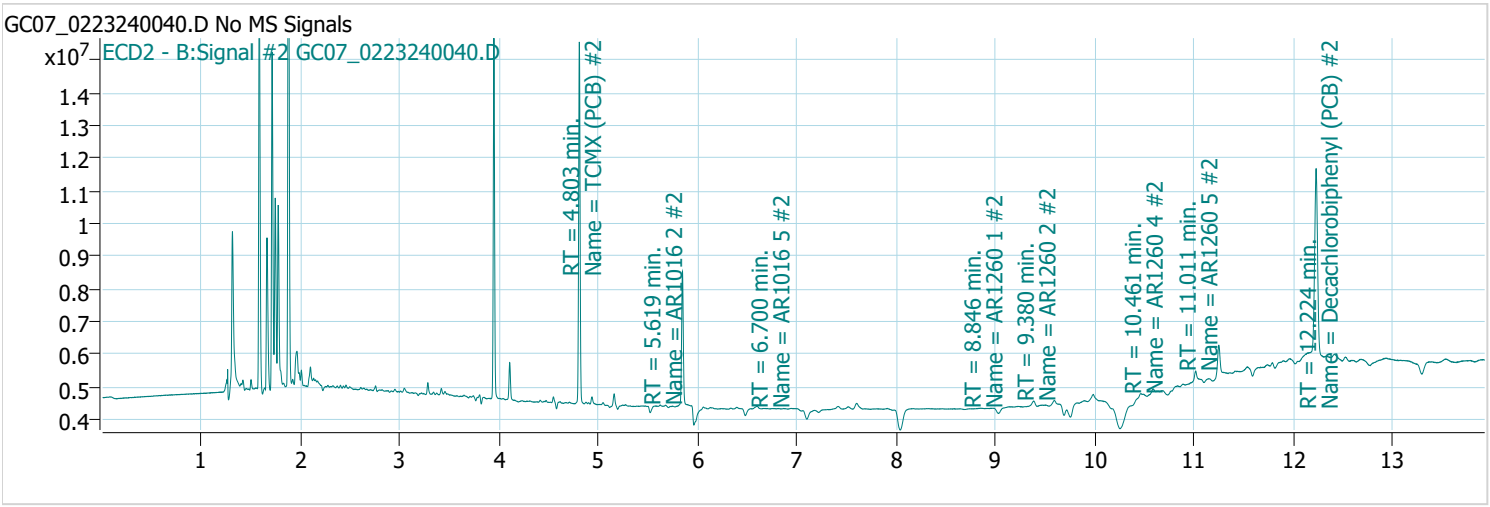
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240040.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 7:45:26 PM |
| Sample Name | 502501-014, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 11 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



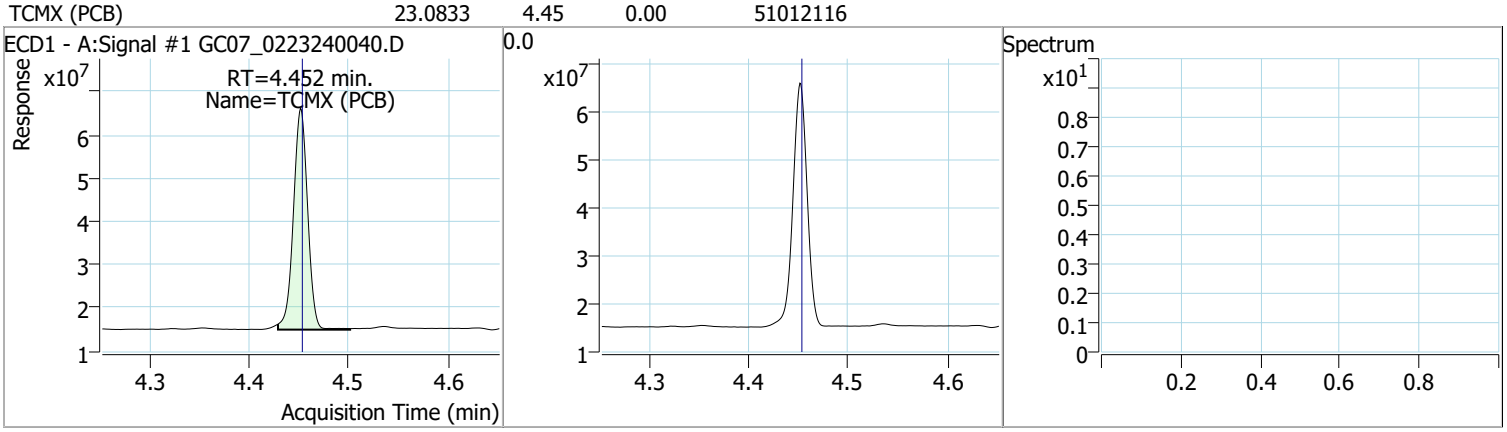




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 48612001.855 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 10184952.907 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 51012116.005 | 23.0833 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 115.42% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 11336414.967 | 25.5387 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 127.69% | | |
| S Decachlorobiphenyl (PCB) | 11.136 | 0.0 | 47211653.432 | 24.3052 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 121.53% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.224 | 0.0 | 12823185.421 | 22.1183 | ng/ml | 0.003 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 110.59% | | |
| **Target Compounds** | | | | | | QValue |

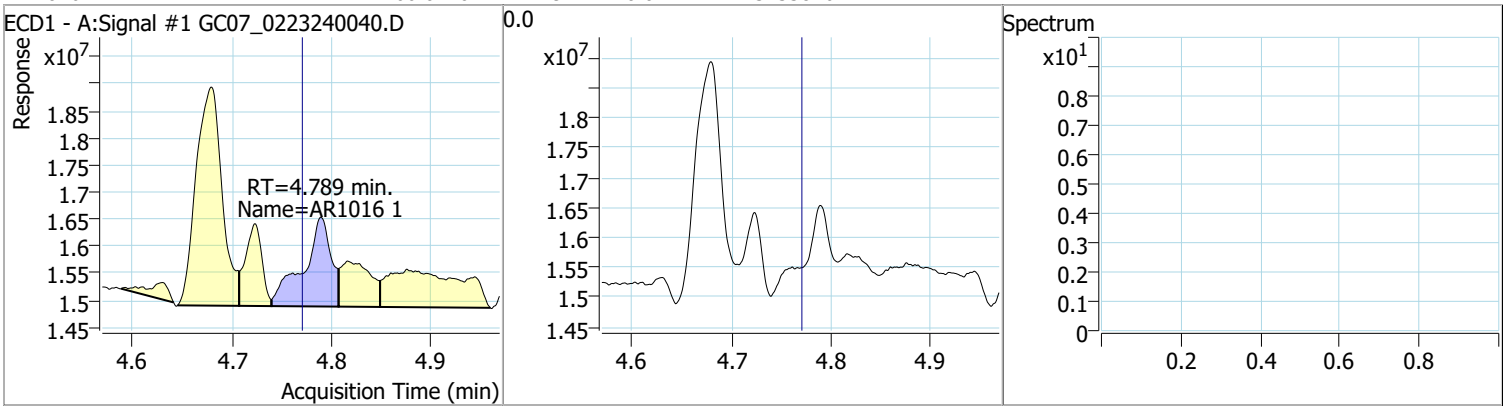
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.789 | 0.0 | 3233876.255 | 66.0740 | ng/ml | 100 |
| T AR1016 2 | 5.010 | 0.0 | 1904610.764 | 22.1049 | ng/ml | 100 |
| T AR1016 1 #2 | 5.265 | 0.0 | 628129.355 | 66.0764 | ng/ml | 100 |
| T AR1016 3 | 5.428 | 0.0 | 38909791.583 | 339.3876 | ng/ml | 100 |
| T AR1016 4 | 5.612 | 0.0 | 35812647.682 | 463.4683 | ng/ml | 100 |
| T AR1016 2 #2 | 5.619 | 0.0 | 1297105.776 | 68.3966 | ng/ml | 100 |
| T AR1016 5 | 6.077 | 0.0 | 41128885.537 | 601.0116 | ng/ml | 100 |
| T AR1016 3 #2 | 6.053 | 0.0 | 3333483.591 | 127.8370 | ng/ml | 100 |
| T AR1016 4 #2 | 6.242 | 0.0 | 403932.059 | 23.4243 | ng/ml | 100 |
| T AR1016 5 #2 | 6.700 | 0.0 | 21105.275 | 1.5170 | ng/ml | 100 |
| T AR1260 1 | 7.393 | 0.0 | 35255829.357 | 256.9212 | ng/ml | 100 |
| T AR1260 2 | 7.811 | 0.0 | 518838.766 | 2.3581 | ng/ml | 100 |
| T AR1260 3 | 8.218 | 0.0 | 4984464.496 | 20.0025 | ng/ml | 100 |
| T AR1260 1 #2 | 8.846 | 0.0 | 694477.511 | 21.3959 | ng/ml | 100 |
| T AR1260 4 | 9.112 | 0.0 | 21485118.336 | 153.7265 | ng/ml | 100 |
| T AR1260 2 #2 | 9.380 | 0.0 | 537912.576 | 15.1543 | ng/ml | 100 |
| T AR1260 3 #2 | 9.980 | 0.0 | 4494897.279 | 183.9733 | ng/ml | 100 |
| T AR1260 5 | 9.873 | 0.0 | 13274486.138 | 92.6015 | ng/ml | 100 |
| T AR1260 4 #2 | 10.461 | 0.0 | 14762371.121 | 525.4639 | ng/ml | 100 |
| T AR1260 5 #2 | 11.011 | 0.0 | 1618716.964 | 38.1263 | ng/ml | 100 |

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

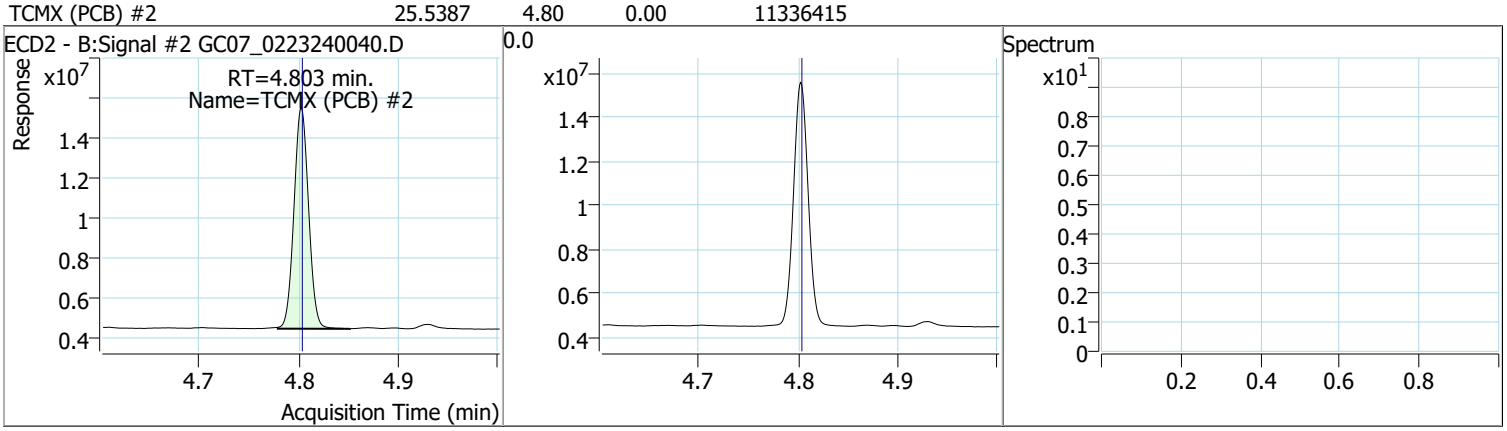
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 23.0833 | 4.45 | 0.00 | 51012116 | | | | |



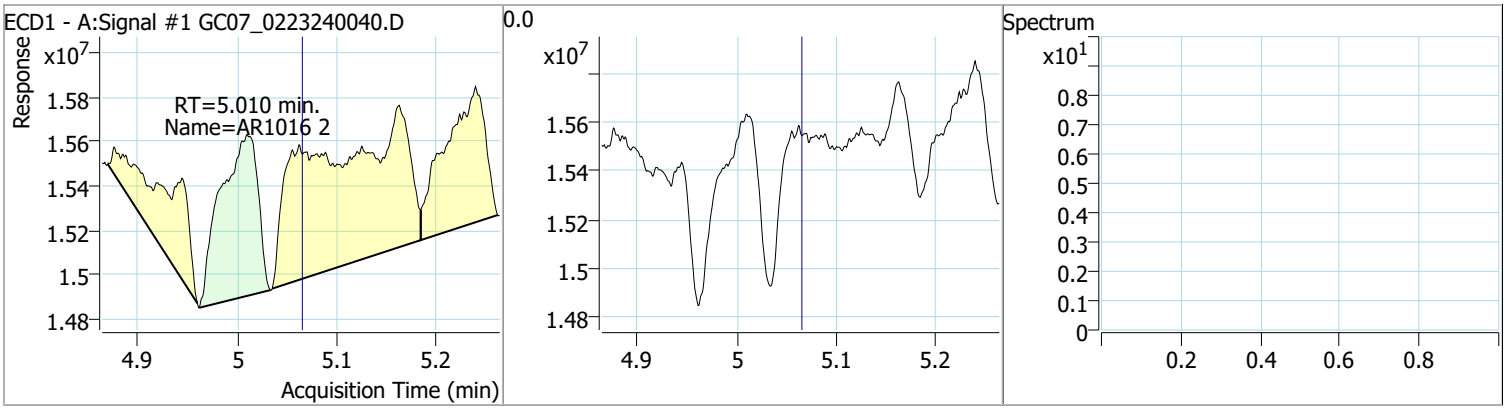

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 66.0740 | 4.79 | 0.02 | 3233876 | | | | |



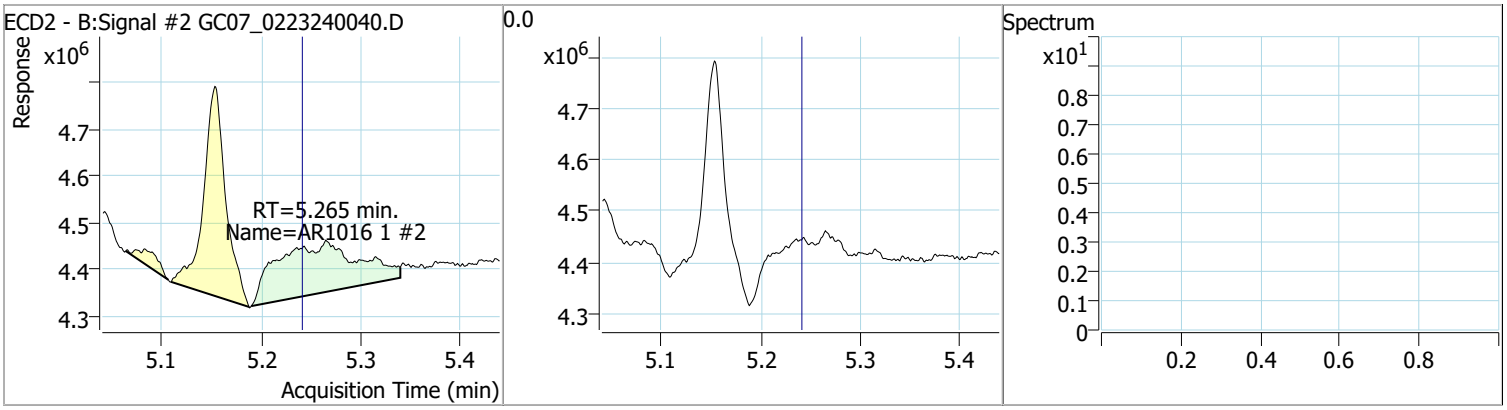

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 25.5387 | 4.80 | 0.00 | 11336415 | | | | |



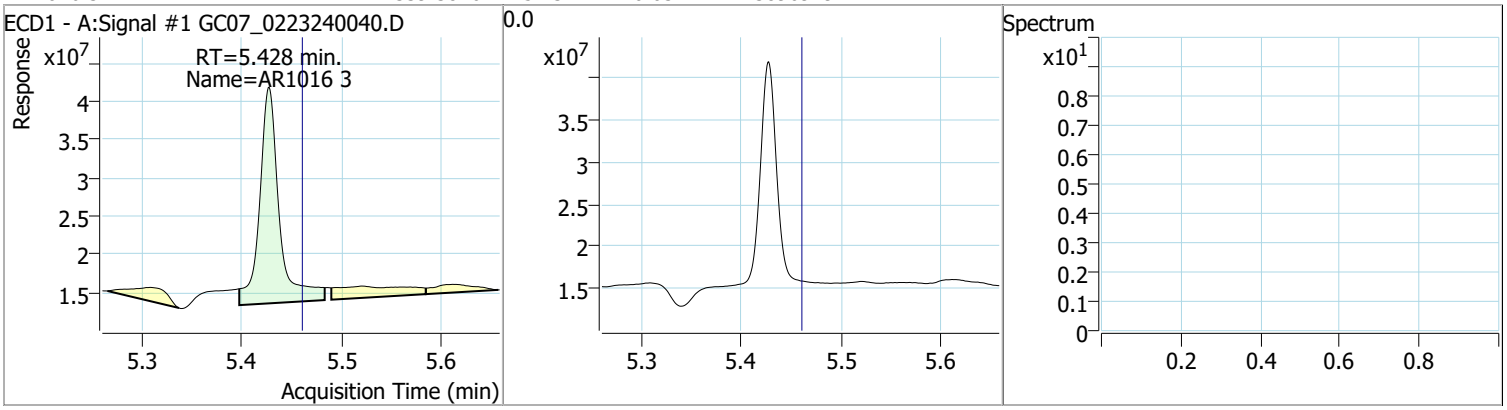

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 22.1049 | 5.01 | -0.05 | 1904611 | | | | |



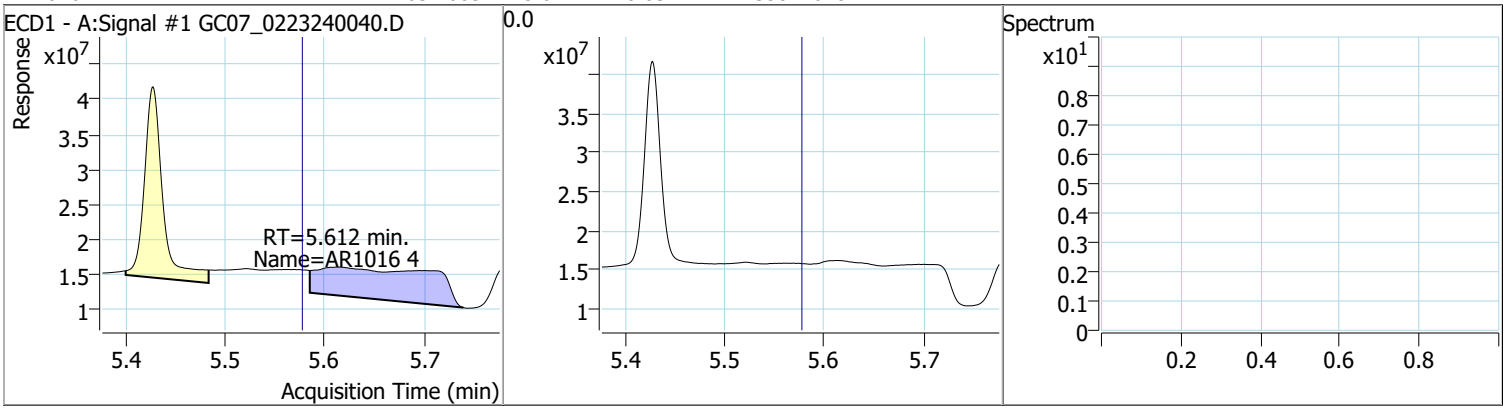
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 66.0764 | 5.27 | 0.03 | 628129 | | | | |



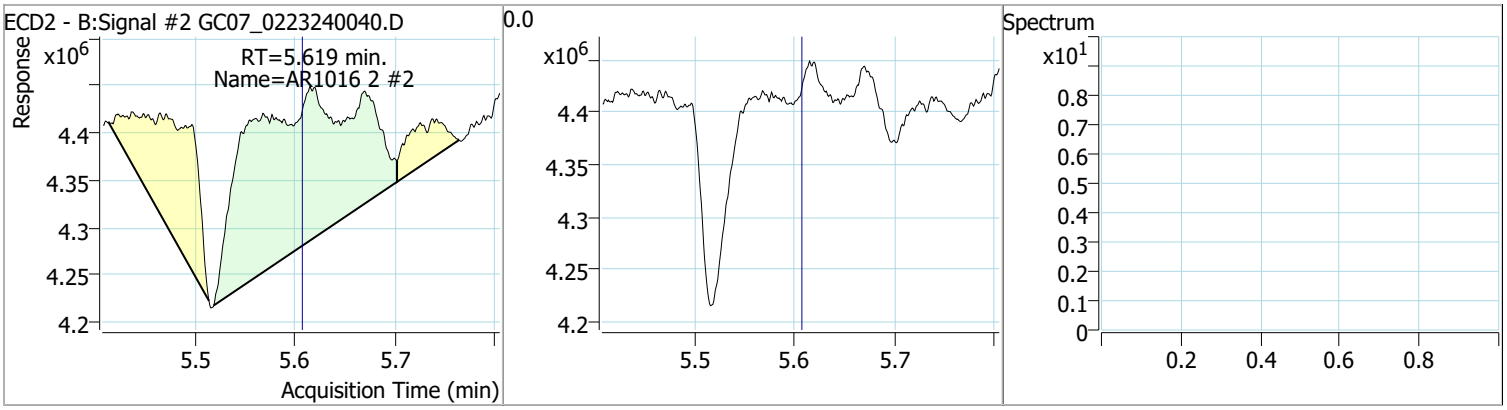

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 339.3876 | 5.43 | -0.03 | 38909792 | | | | |



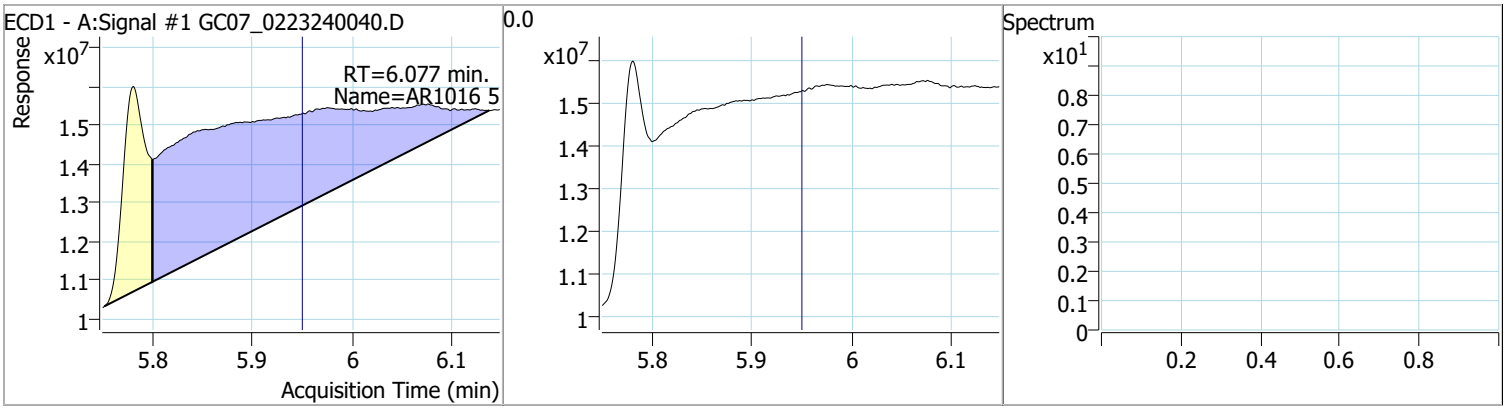

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 463.4683 | 5.61 | 0.03 | 35812648 | | | | |



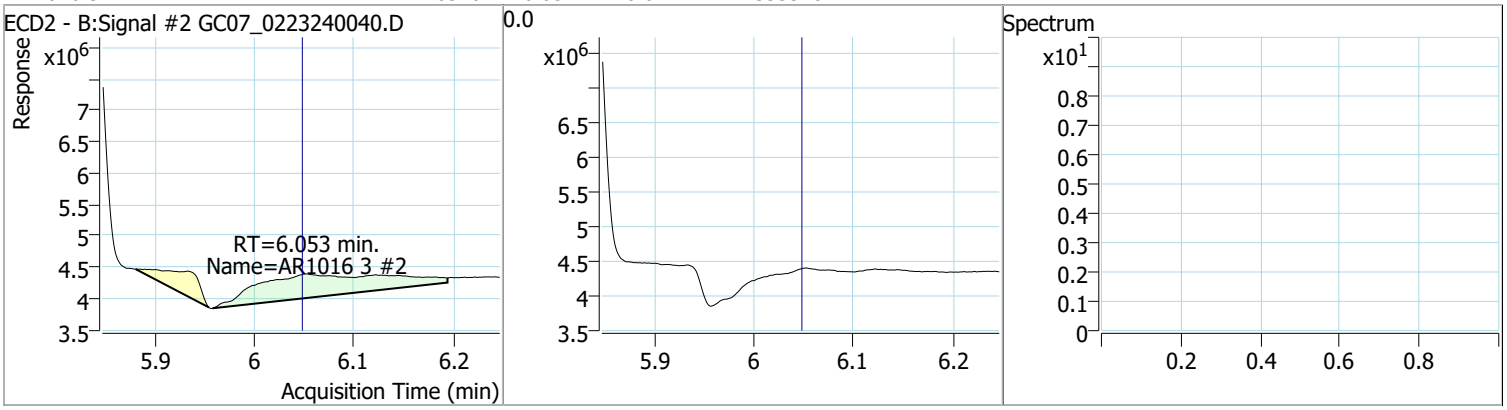

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 68.3966 | 5.62 | 0.01 | 1297106 | | | | |



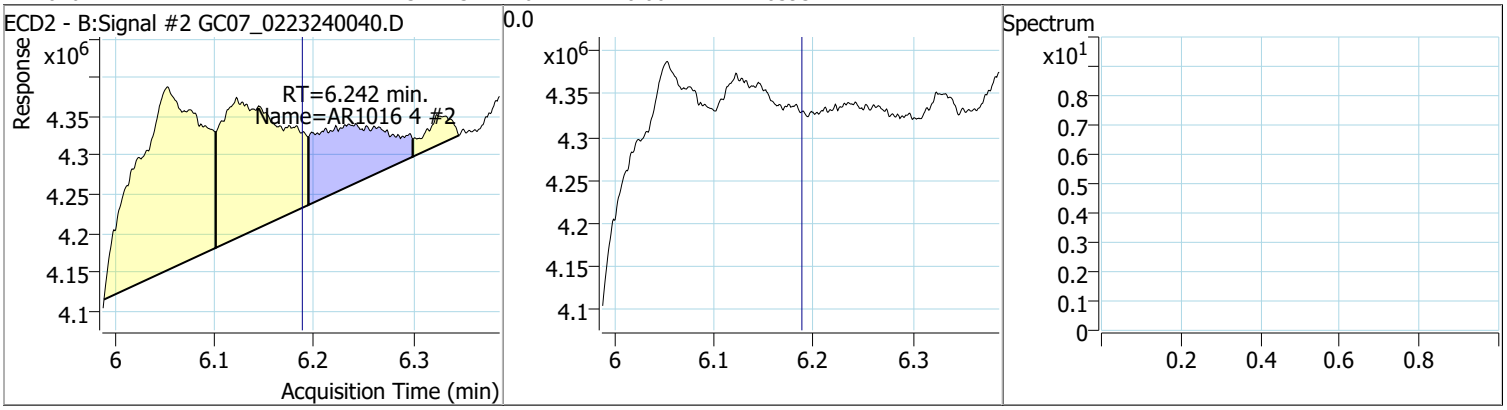
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 601.0116 | 6.08 | 0.13 | 41128886 | | | | |



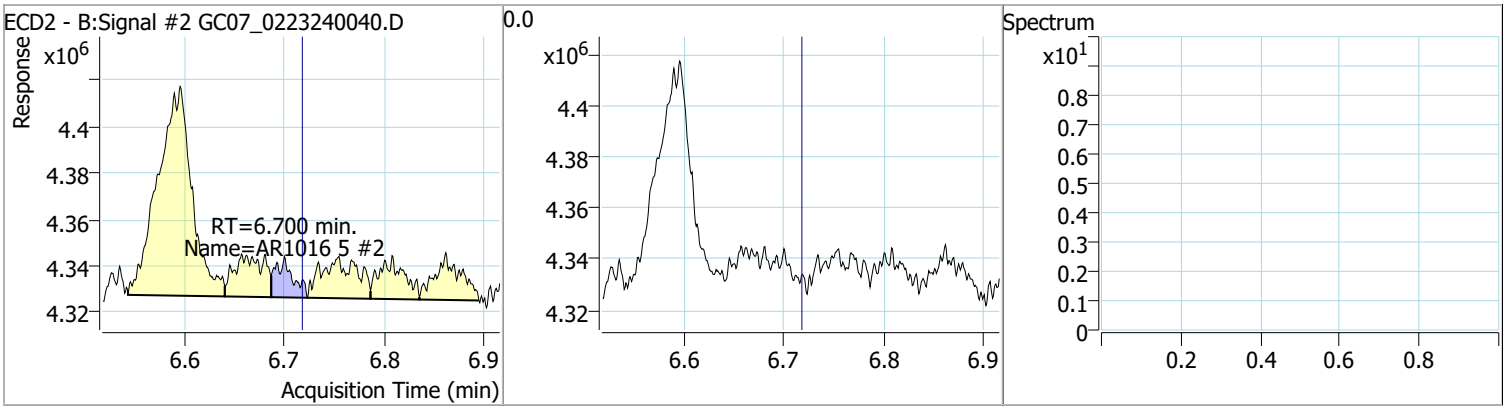

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 127.8370 | 6.05 | 0.01 | 3333484 | | | | |



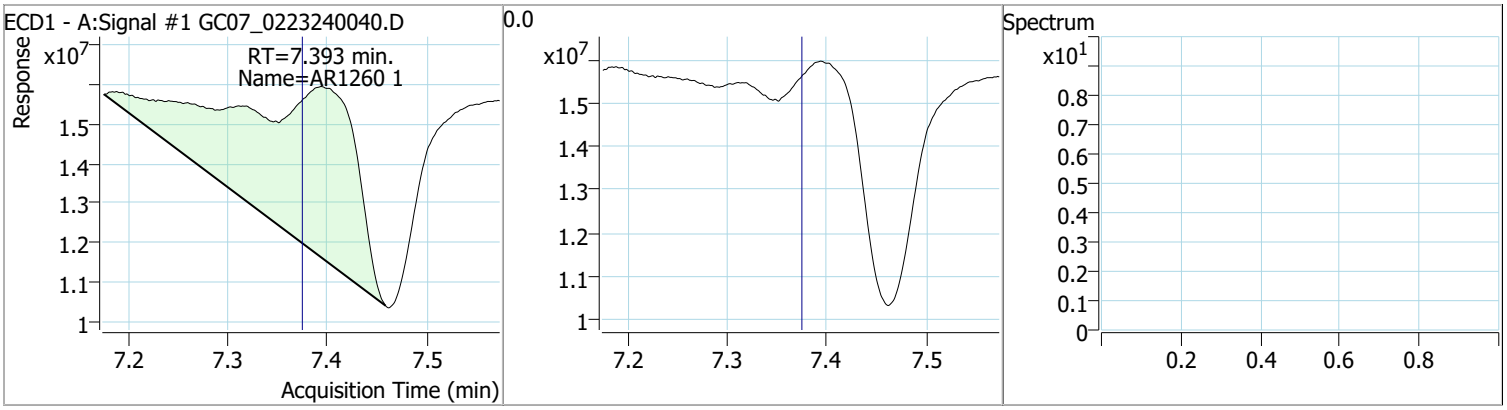

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 23.4243 | 6.24 | 0.06 | 403932 | | | | |



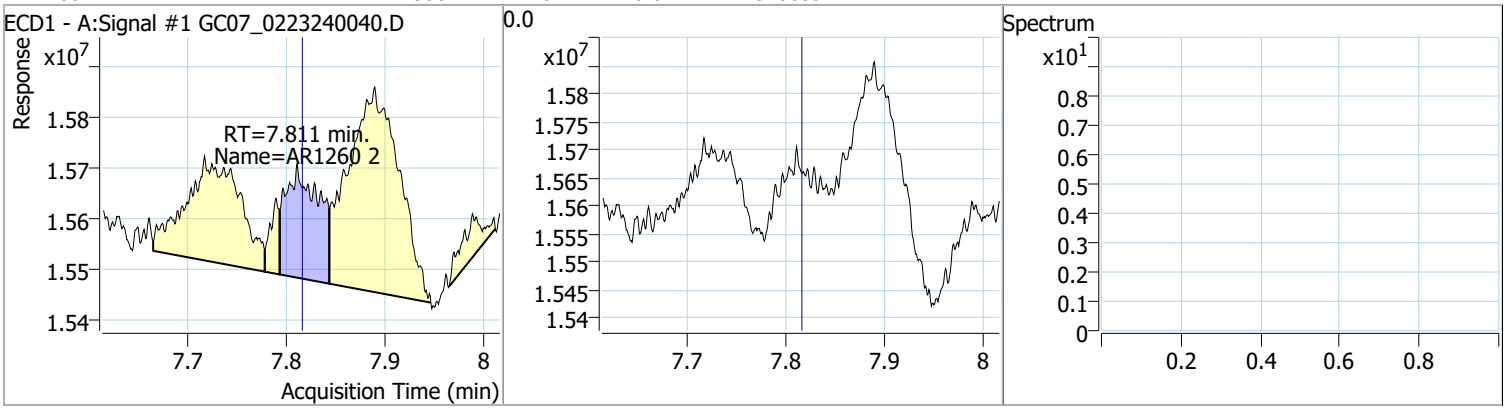

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.5170 | 6.70 | -0.02 | 21105 | | | | |



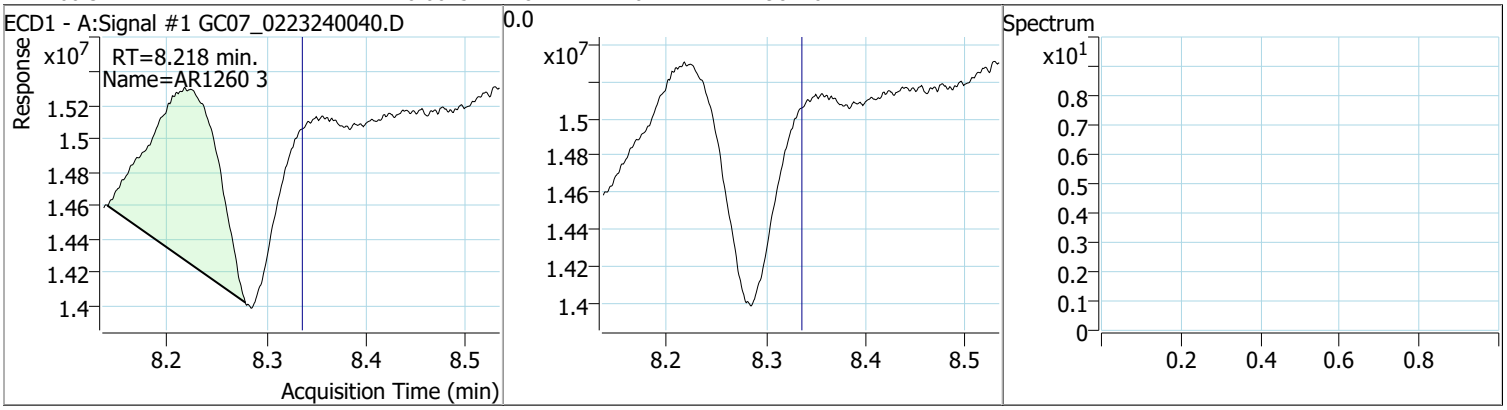
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 256.9212 | 7.39 | 0.02 | 35255829 | | | | |



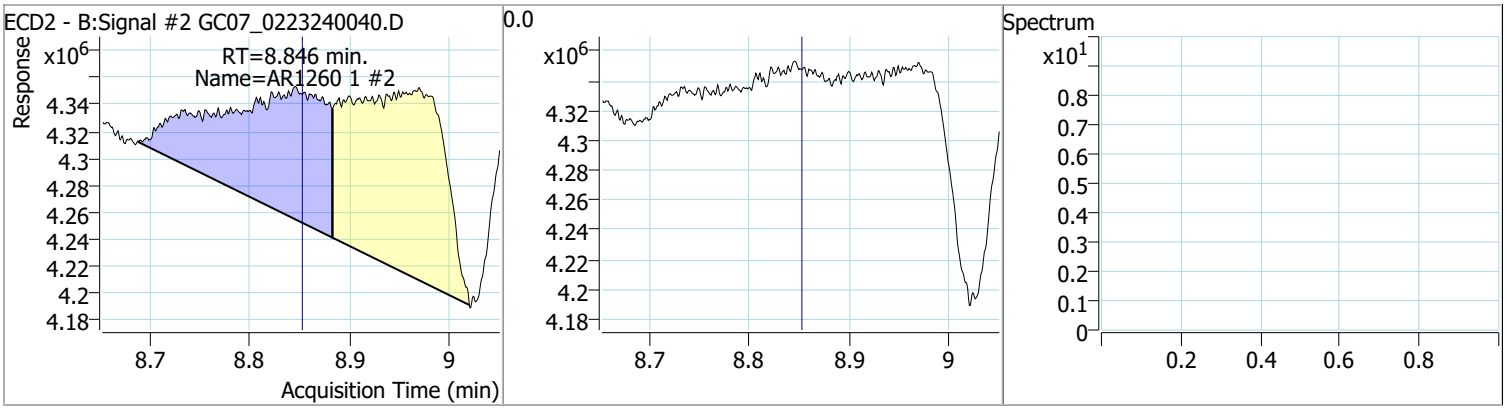

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 2.3581 | 7.81 | -0.01 | 518839 | | | | |



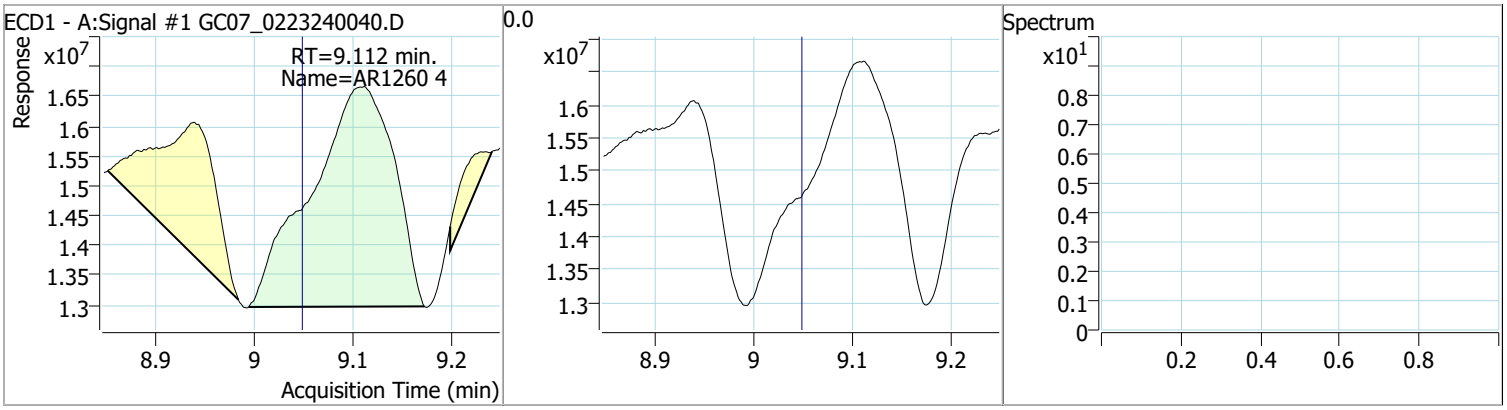

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 20.0025 | 8.22 | -0.12 | 4984464 | | | | |



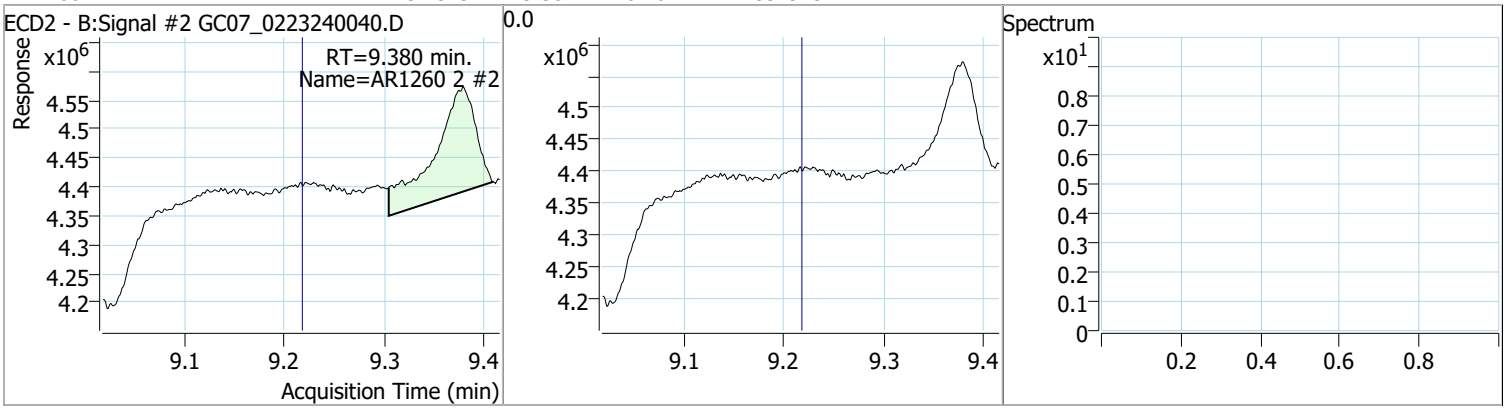

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 21.3959 | 8.85 | -0.01 | 694478 | | | | |



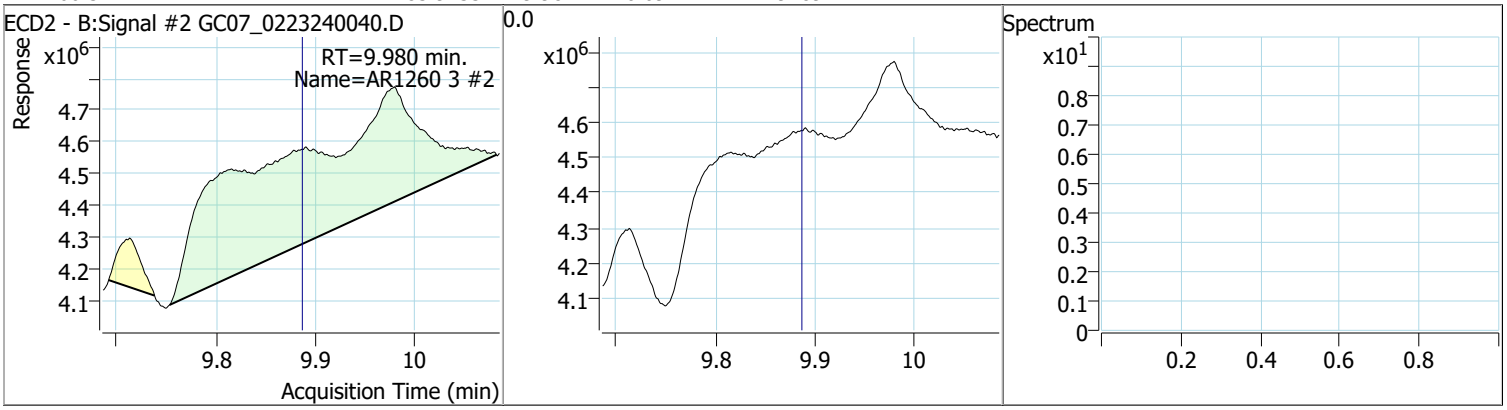
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 153.7265 | 9.11 | 0.06 | 21485118 | | | | |



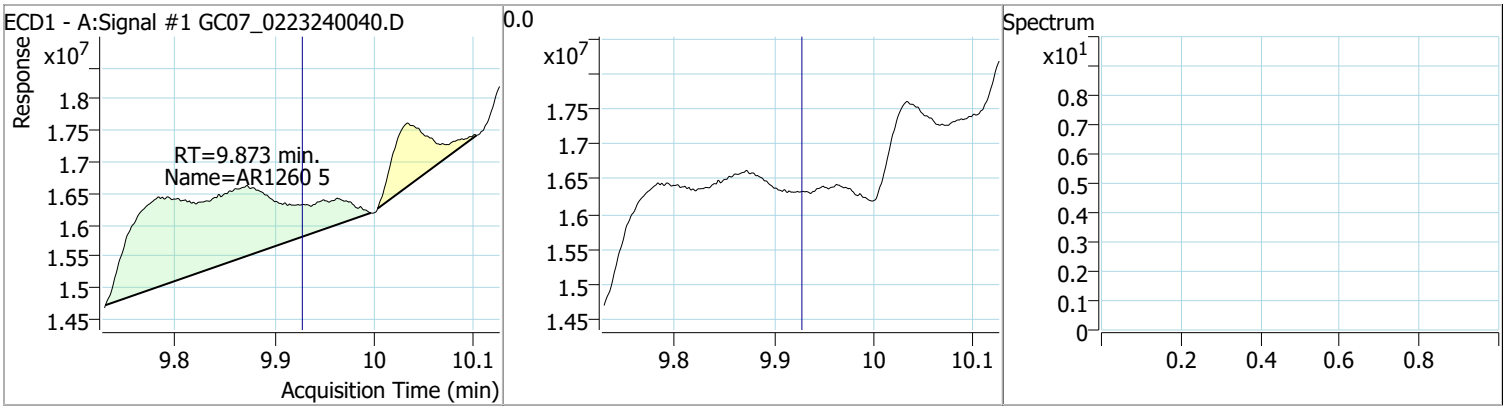

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 15.1543 | 9.38 | 0.16 | 537913 | | | | |



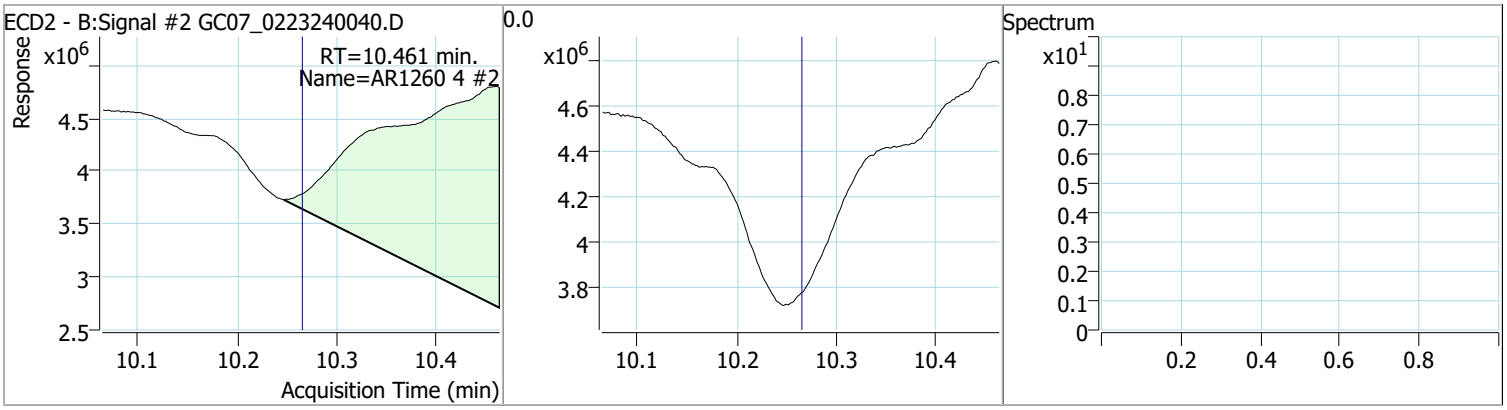

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 183.9733 | 9.98 | 0.09 | 4494897 | | | | |



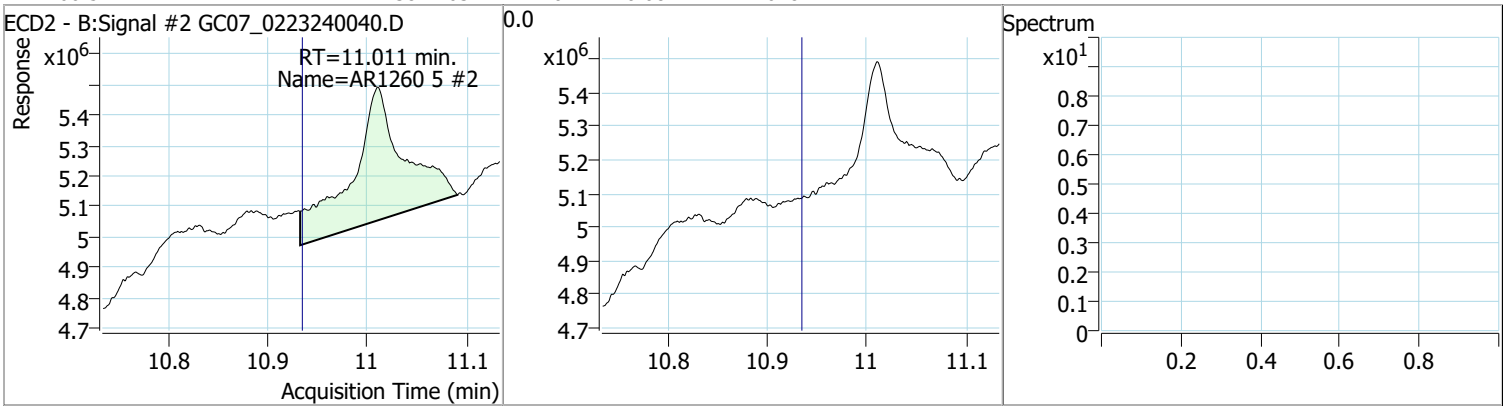

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 92.6015 | 9.87 | -0.06 | 13274486 | | | | |



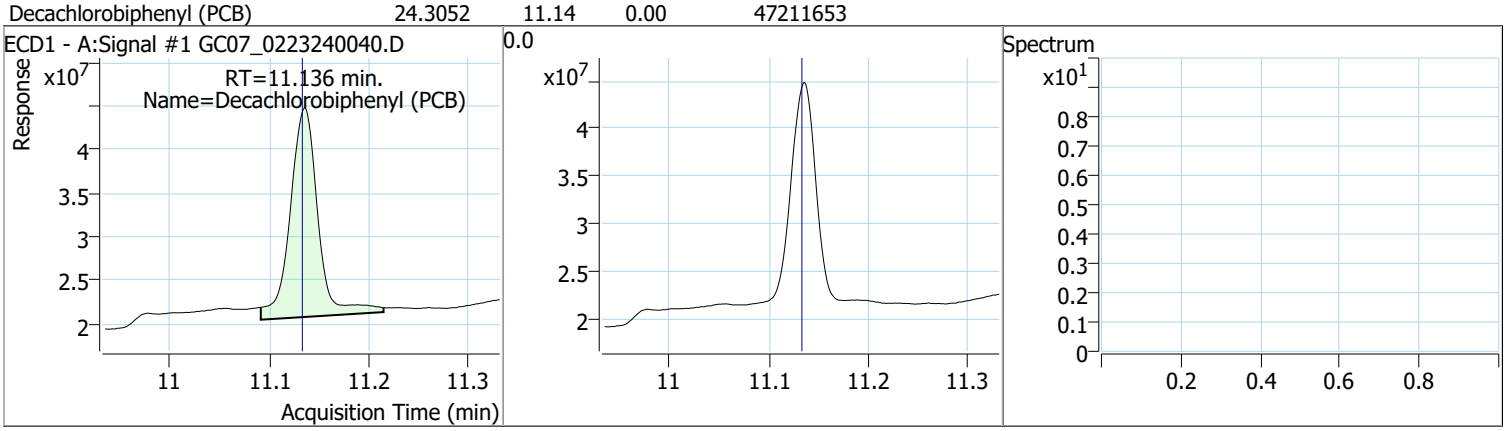
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 525.4639 | 10.46 | 0.20 | 14762371 | | | | |



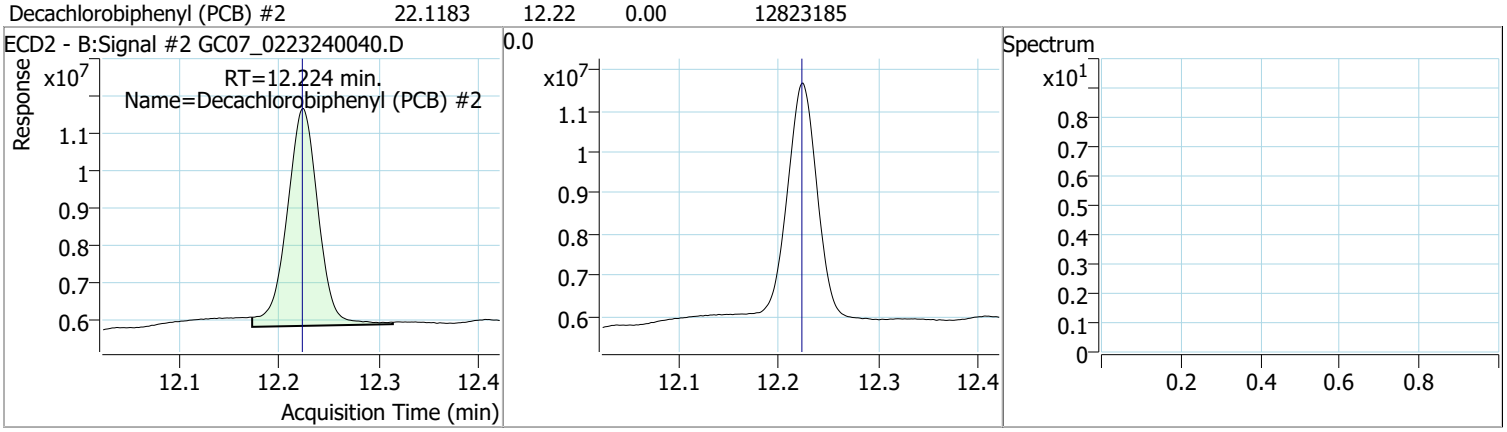

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 38.1263 | 11.01 | 0.08 | 1618717 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 24.3052 | 11.14 | 0.00 | 47211653 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 22.1183 | 12.22 | 0.00 | 12823185 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-017 | Client ID: | AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-P-LA |
| Seqnum: | 464078296041 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240041 | Batch: | 333612 | Time: | 23-FEB-2024 20:02 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 76.10 | ug/L | ~~0.76~~ FP | 4.2 | 138% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 82.35 | ug/L | 0.82 | 1.12 | 30% | | | |
| Aroclor-1016 Peak # 2 | B | 66.42 | ug/L | 0.66 | 0.22 | 101% | | | |
| Aroclor-1016 Peak # 3 | B | 156.6 | ug/L | 1.57 | 4.37 | 94% | | | |
| Aroclor-1016 Peak # 4 | B | 73.51 | ug/L | 0.74 | 6.10 | 157% | | | |
| Aroclor-1016 Peak # 5 | B | 1.590 | ug/L | 0.02 | 8.97 | 199% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 50.06 | ug/L | ~~0.50~~ FP | 0.91 | 58% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 48.64 | ug/L | 0.49 | 2.61 | 137% | | | |
| Aroclor-1260 Peak # 2 | B | 16.02 | ug/L | 0.16 | 0.04 | 127% | | | |
| Aroclor-1260 Peak # 3 | B | 181.4 | ug/L | 1.81 | 0.21 | 158% | | | |
| Aroclor-1260 Peak # 4 | B | 1.435 | ug/L | 0.01 | 1.59 | 196% | | | |
| Aroclor-1260 Peak # 5 | B | 2.844 | ug/L | 0.03 | 0.08 | 100% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 28.35 | pg/uL | 0.5000 | 0.2835 | 57 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 26.69 | pg/uL | 0.5000 | 0.2669 | 53 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 8919557 | 27.73 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 43196637 | 23.81 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

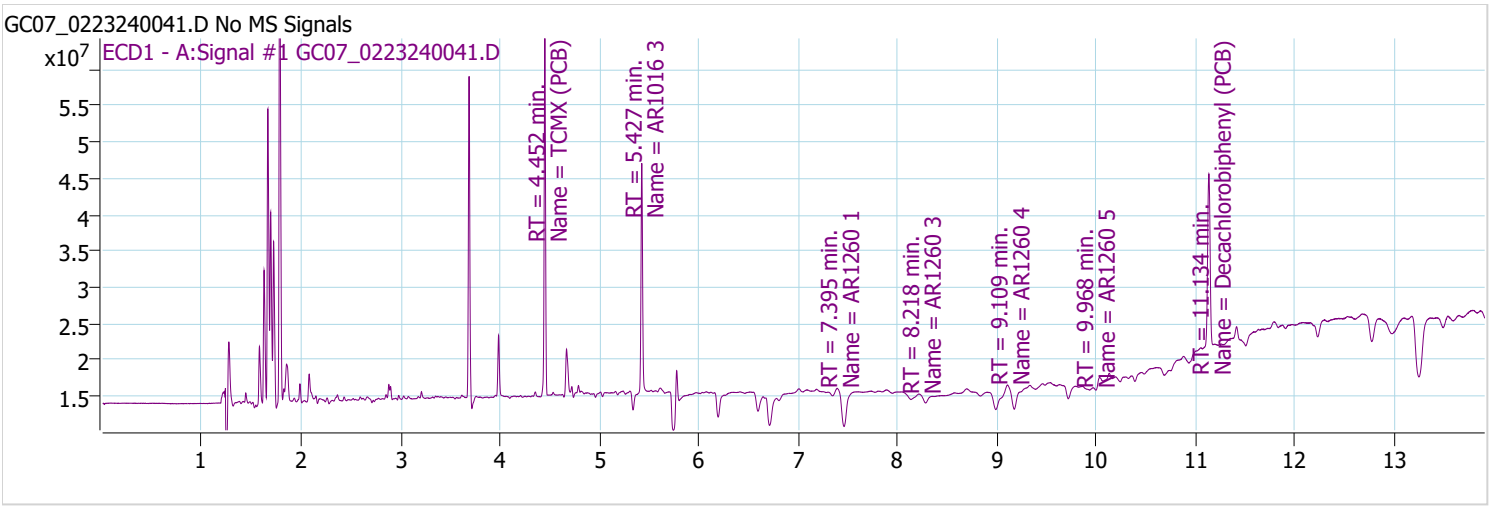
02/24/24 : WIPE/1S-10ML//

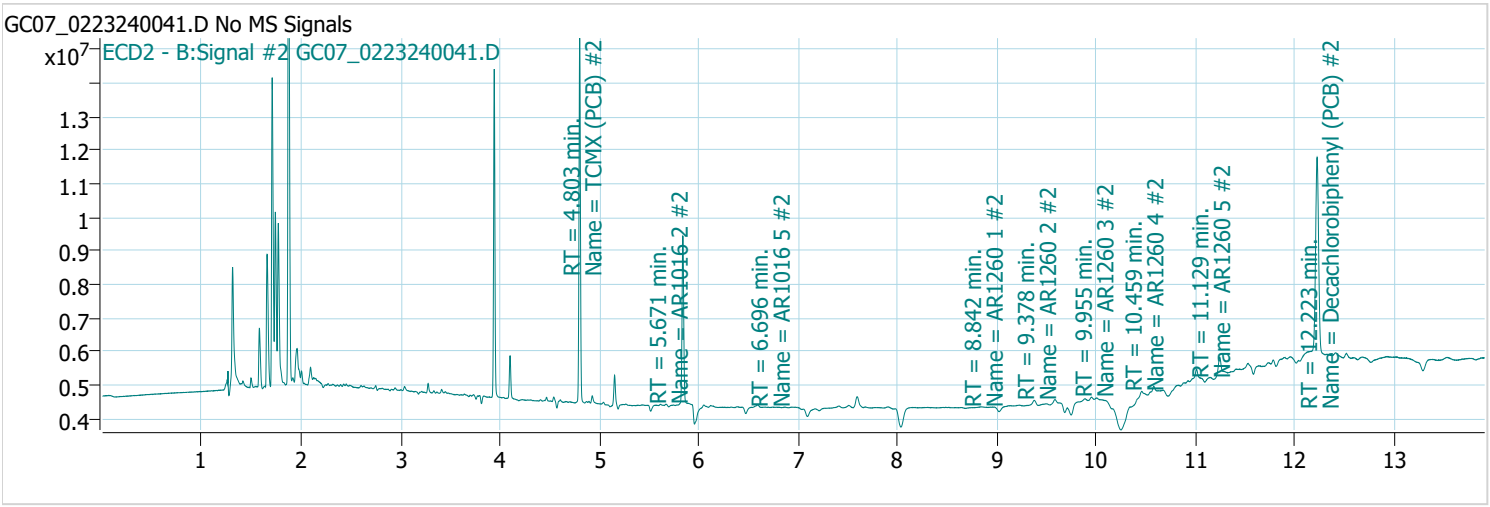
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240041.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 8:02:55 PM |
| Sample Name | 502501-017, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 12 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



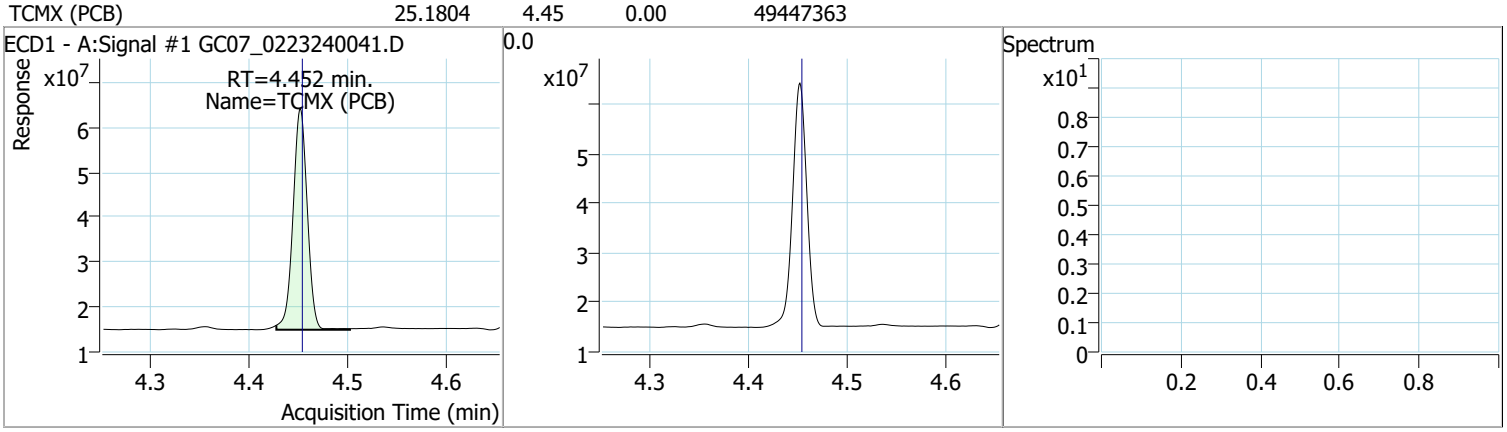




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 43196636.992 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 8919557.488 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 49447363.404 | 25.1804 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 125.90% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 11019797.885 | 28.3473 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 141.74% | | |
| S Decachlorobiphenyl (PCB) | 11.134 | 0.0 | 46923801.637 | 27.1855 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 135.93% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.223 | 0.0 | 13548985.817 | 26.6856 | ng/ml | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 133.43% | | |
| **Target Compounds** | | | | | | QValue |

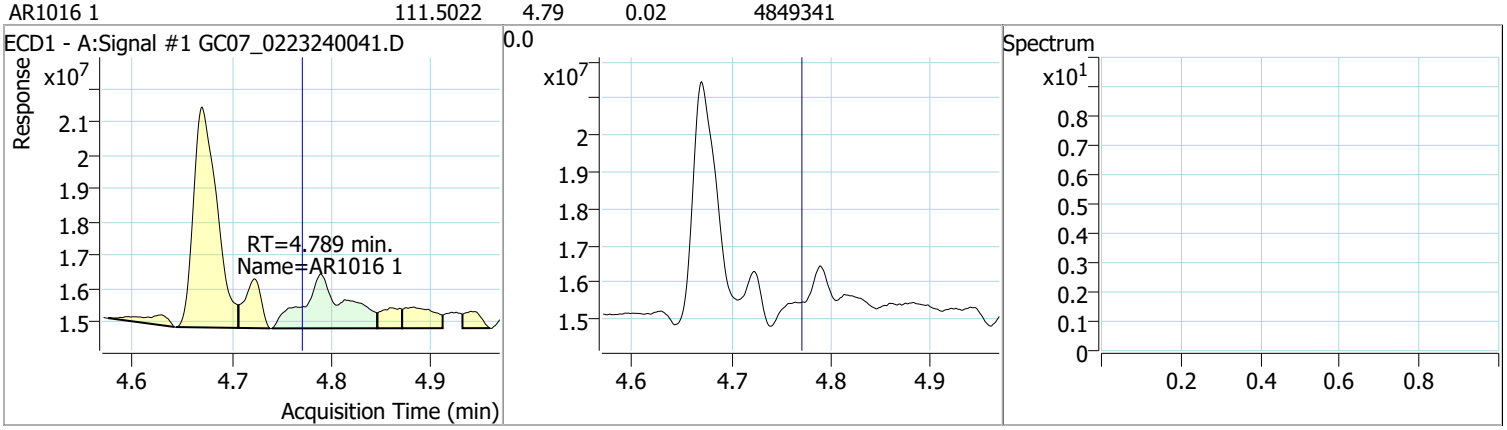
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.789 | 0.0 | 4849341.155 | 111.5022 | ng/ml | 100 |
| T AR1016 2 | 5.010 | 0.0 | 1662344.426 | 21.7119 | ng/ml | 100 |
| T AR1016 1 #2 | 5.264 | 0.0 | 685572.577 | 82.3506 | ng/ml | 100 |
| T AR1016 3 | 5.427 | 0.0 | 44473168.455 | 436.5447 | ng/ml | 100 |
| T AR1016 4 | 5.427 | 0.0 | 41889677.149 | 610.0763 | ng/ml | 100 |
| T AR1016 2 #2 | 5.671 | 0.0 | 1103114.601 | 66.4195 | ng/ml | 100 |
| T AR1016 5 | 5.778 | 0.0 | 54567104.666 | 897.3469 | ng/ml | 100 |
| T AR1016 3 #2 | 6.050 | 0.0 | 3576486.730 | 156.6140 | ng/ml | 100 |
| T AR1016 4 #2 | 6.119 | 0.0 | 1110138.352 | 73.5108 | ng/ml | 100 |
| T AR1016 5 #2 | 6.696 | 0.0 | 19374.694 | 1.5902 | ng/ml | 100 |
| T AR1260 1 | 7.395 | 0.0 | 31830096.072 | 261.0360 | ng/ml | 100 |
| T AR1260 2 | 7.808 | 0.0 | 698648.191 | 3.5735 | ng/ml | 100 |
| T AR1260 3 | 8.218 | 0.0 | 4664090.456 | 21.0633 | ng/ml | 100 |
| T AR1260 1 #2 | 8.842 | 0.0 | 1382522.698 | 48.6363 | ng/ml | 100 |
| T AR1260 4 | 9.109 | 0.0 | 19781441.227 | 159.2804 | ng/ml | 100 |
| T AR1260 2 #2 | 9.378 | 0.0 | 497957.859 | 16.0188 | ng/ml | 100 |
| T AR1260 3 #2 | 9.955 | 0.0 | 3880695.530 | 181.3679 | ng/ml | 100 |
| T AR1260 5 | 9.968 | 0.0 | 1079537.508 | 8.4748 | ng/ml | 100 |
| T AR1260 4 #2 | 10.459 | 0.0 | 35310.047 | 1.4352 | ng/ml | 100 |
| T AR1260 5 #2 | 11.129 | 0.0 | 105730.039 | 2.8436 | ng/ml | 100 |

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

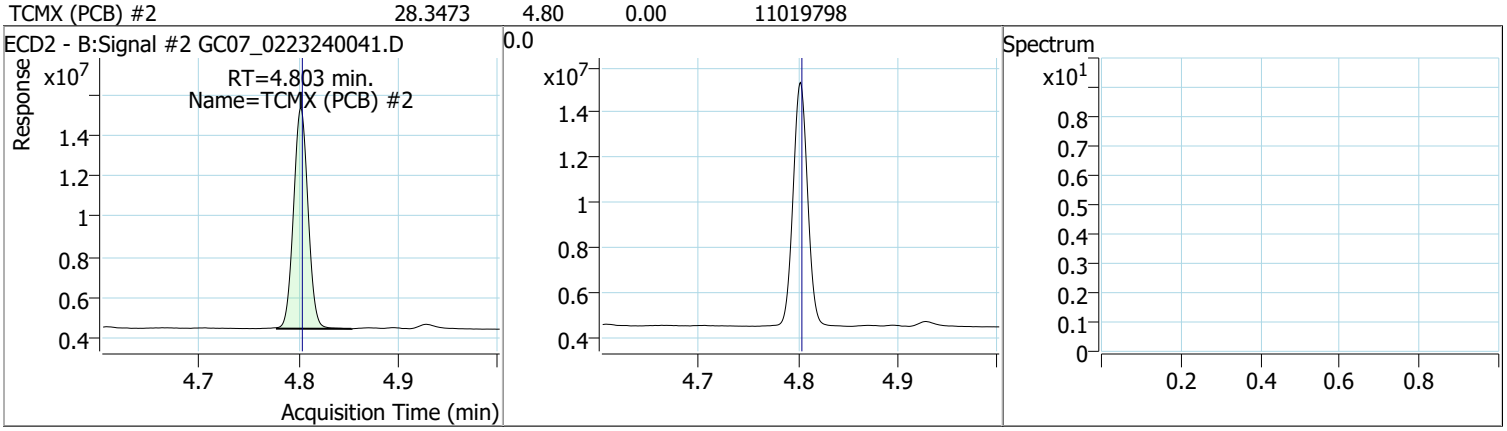
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 25.1804 | 4.45 | 0.00 | 49447363 | | | | |



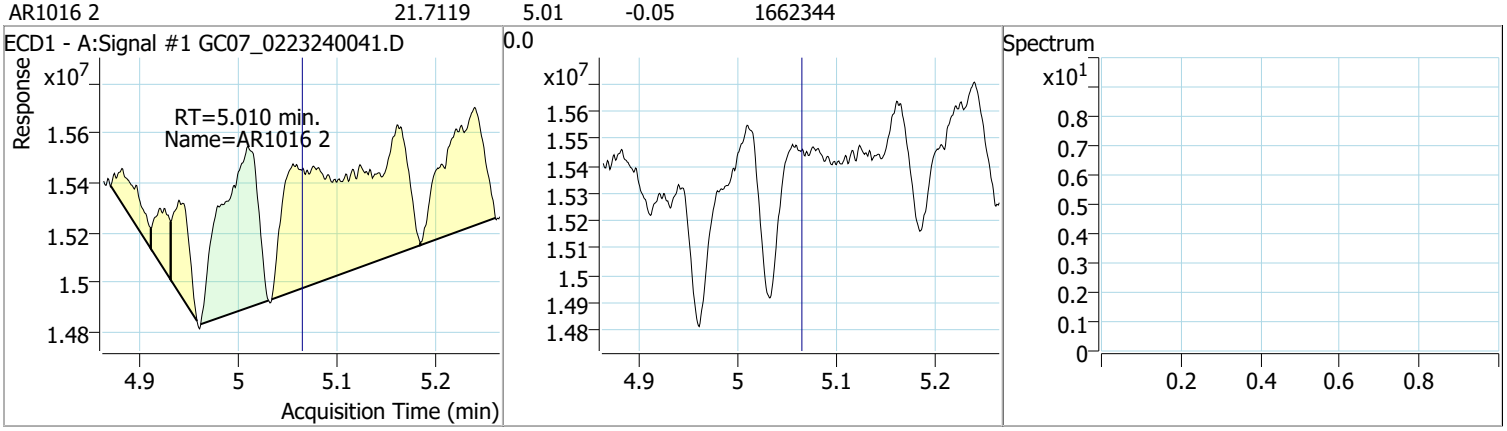

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 111.5022 | 4.79 | 0.02 | 4849341 | | | | |



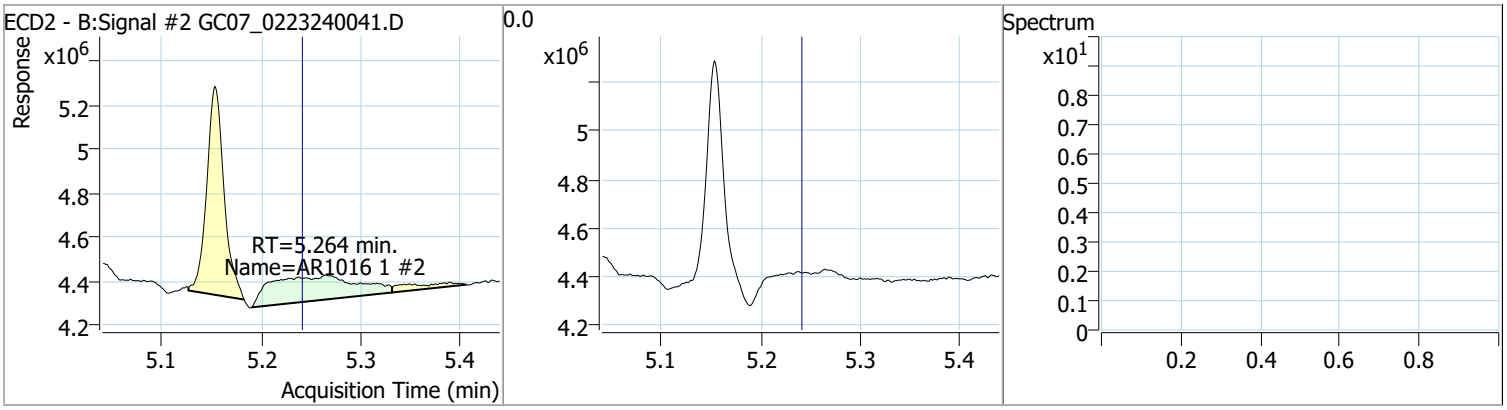

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 28.3473 | 4.80 | 0.00 | 11019798 | | | | |



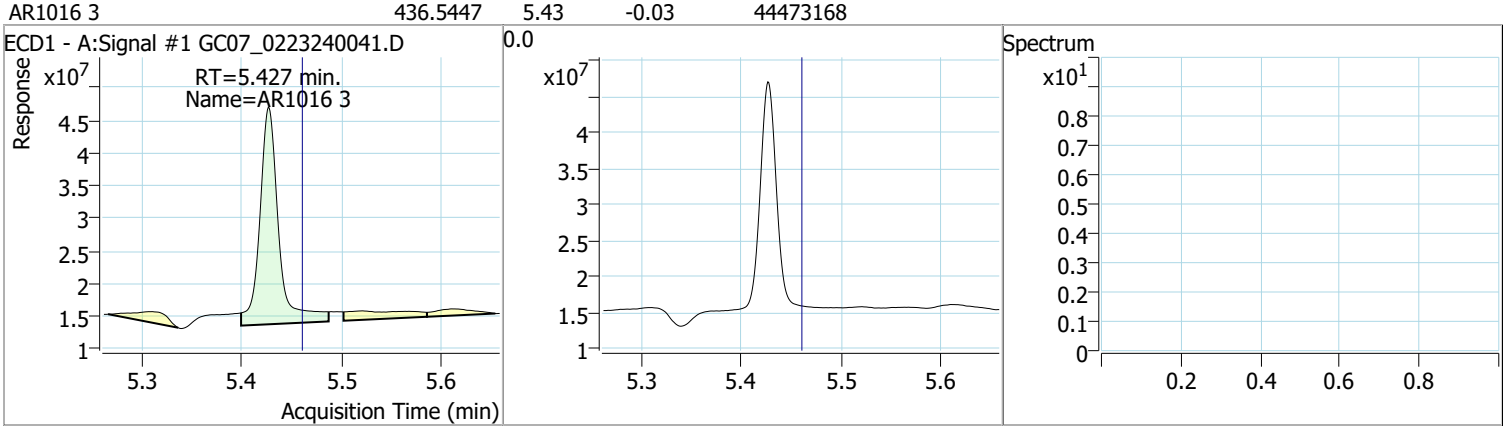

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 21.7119 | 5.01 | -0.05 | 1662344 | | | | |



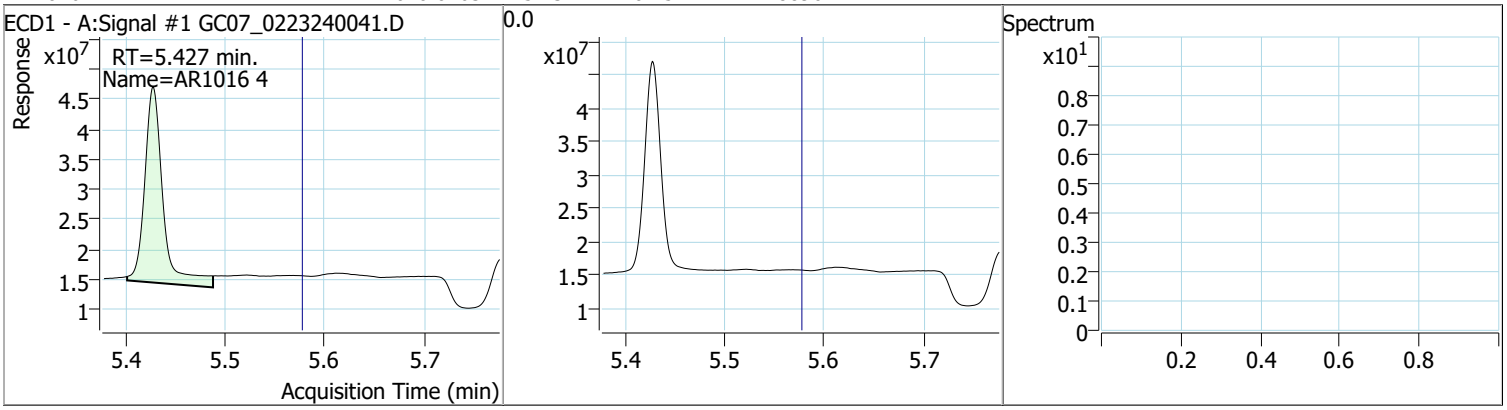
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 82.3506 | 5.26 | 0.02 | 685573 | | | | |



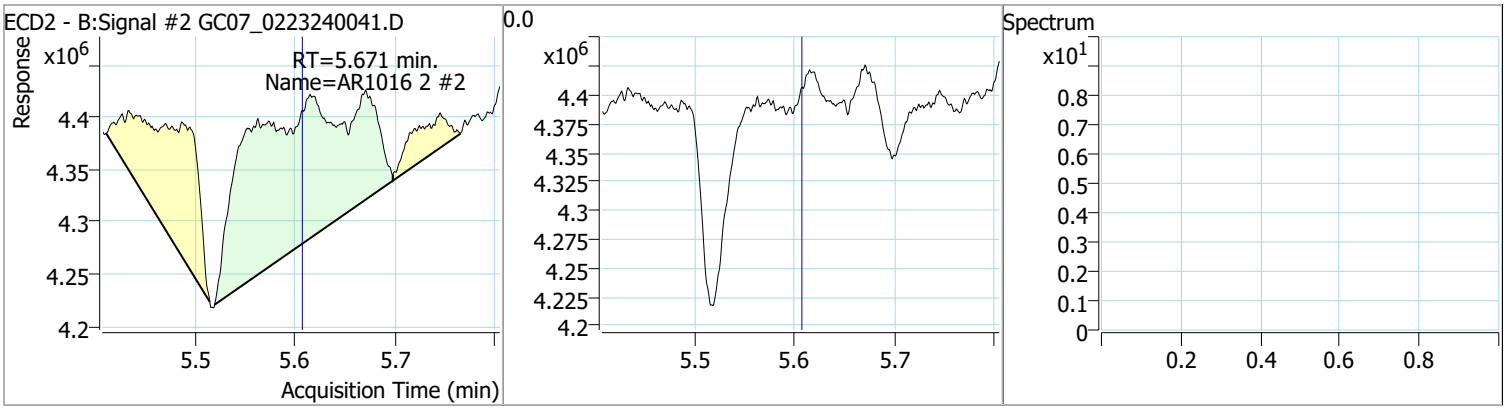

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 436.5447 | 5.43 | -0.03 | 44473168 | | | | |



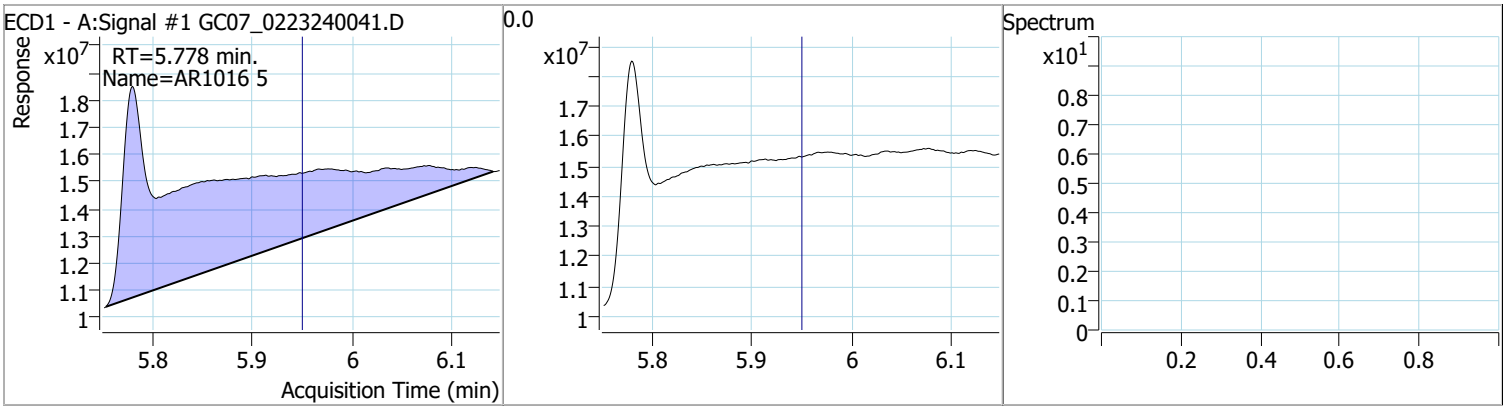

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 610.0763 | 5.43 | -0.15 | 41889677 | | | | |



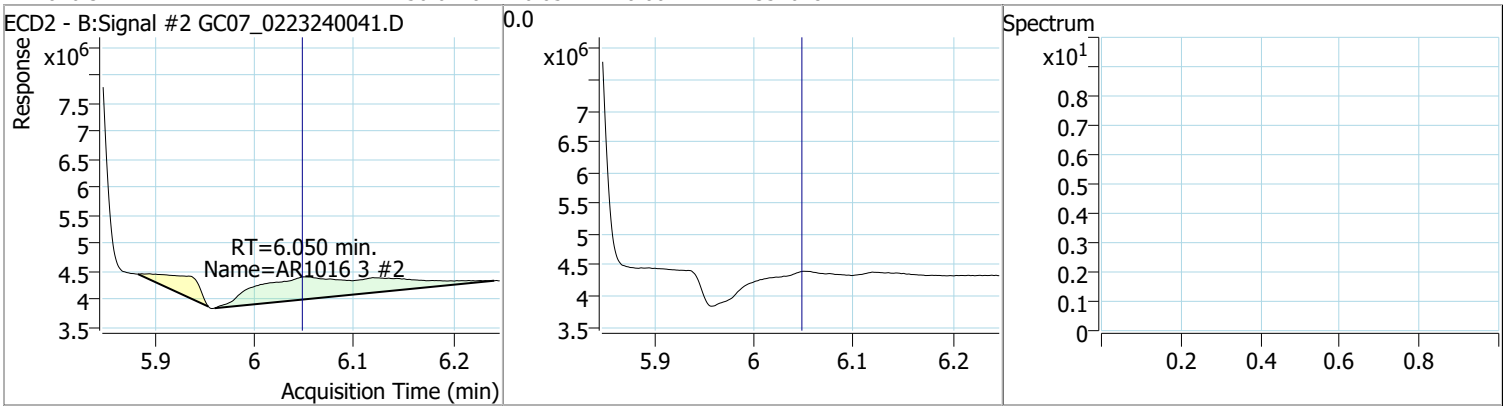

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 66.4195 | 5.67 | 0.07 | 1103115 | | | | |



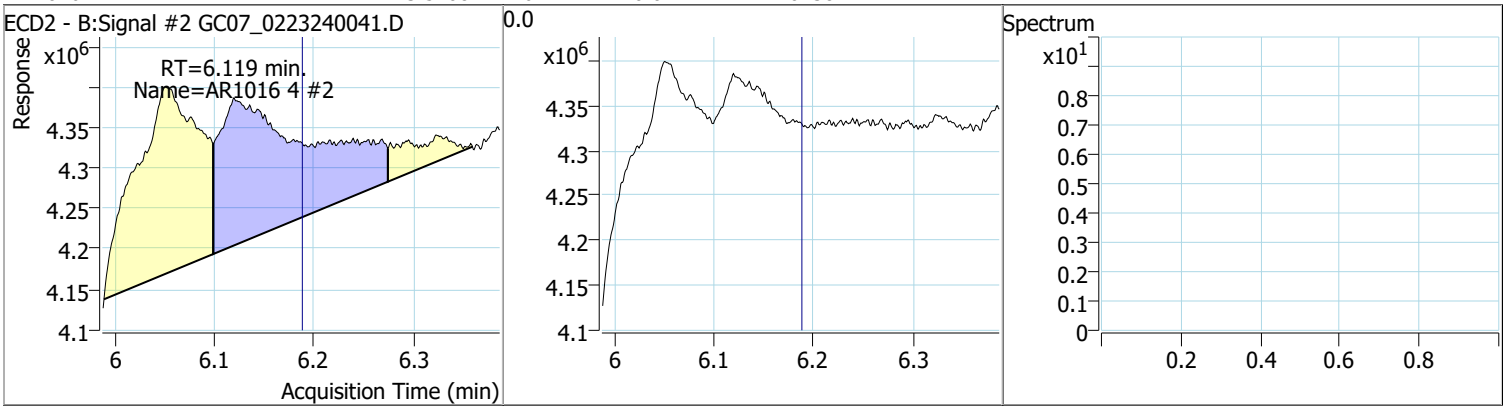
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 897.3469 | 5.78 | -0.17 | 54567105 | | | | |



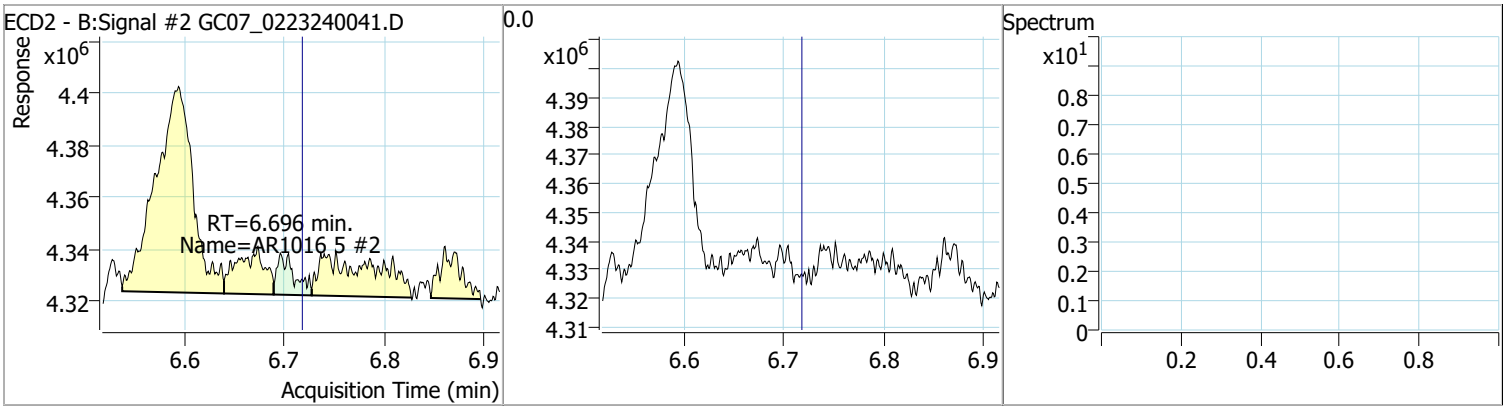

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 156.6140 | 6.05 | 0.00 | 3576487 | | | | |



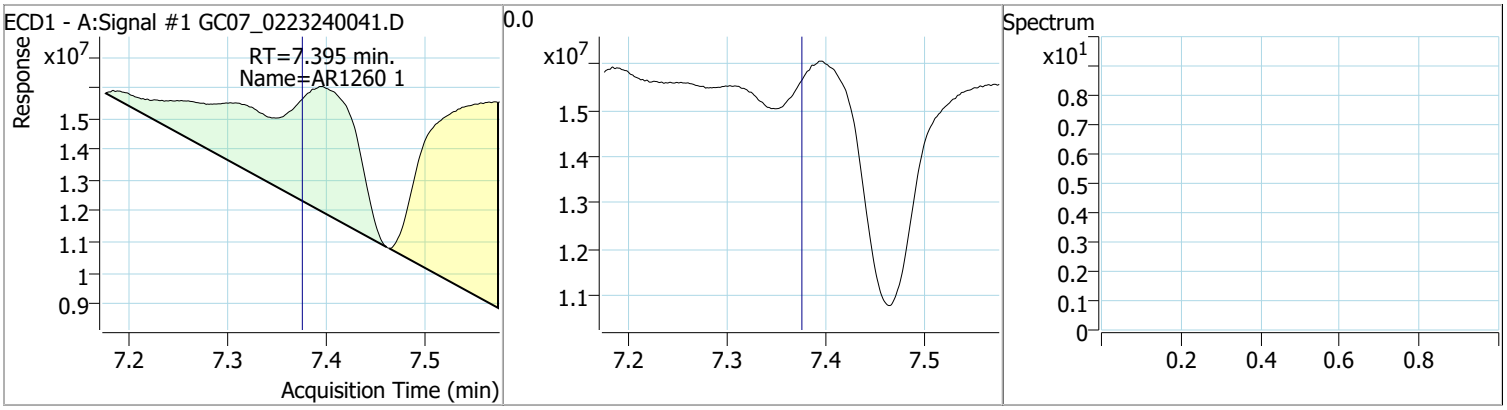

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 73.5108 | 6.12 | -0.07 | 1110138 | | | | |



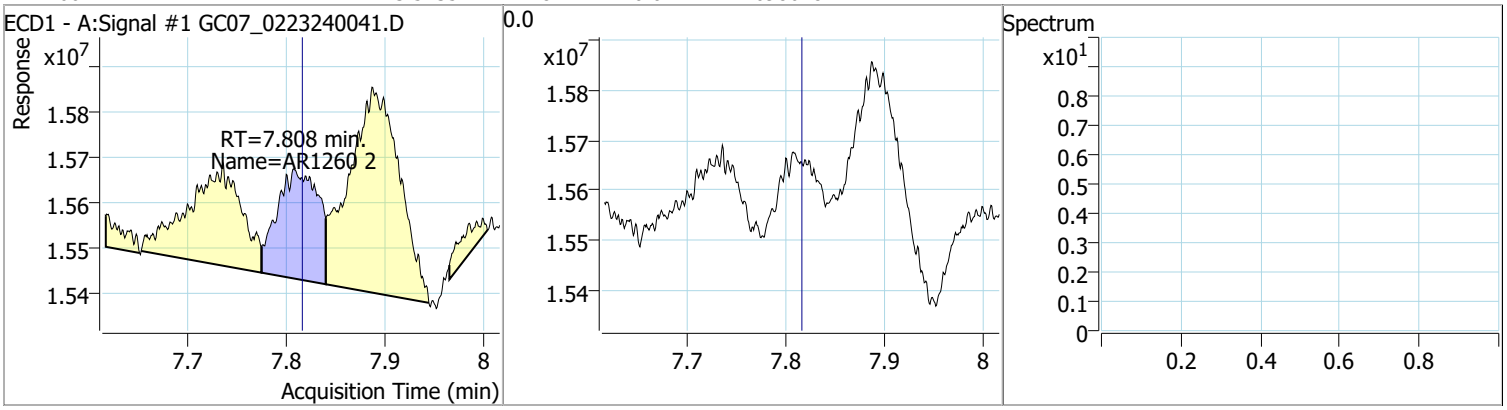

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.5902 | 6.70 | -0.02 | 19375 | | | | |



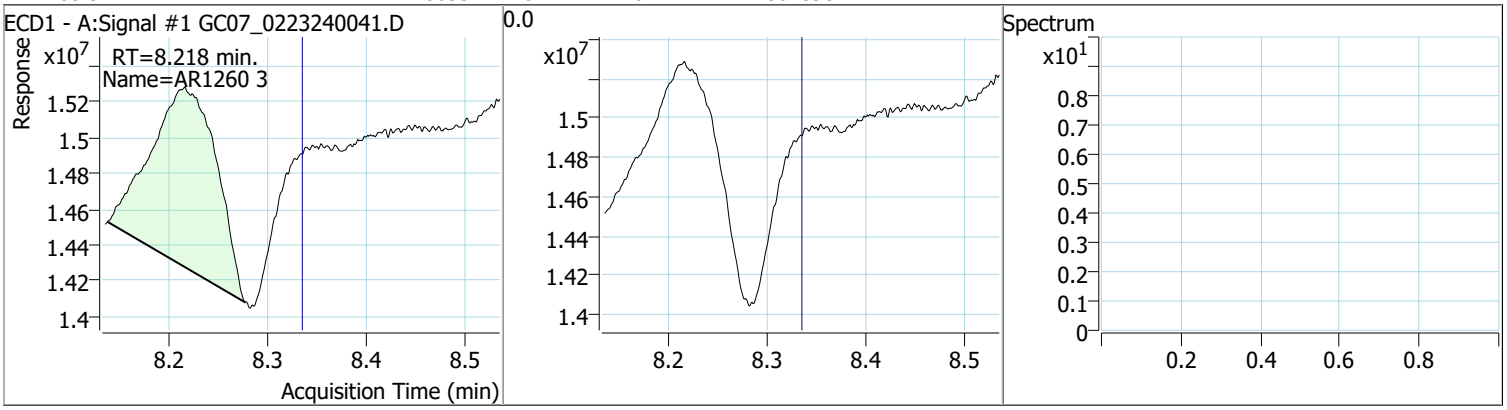
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 261.0360 | 7.40 | 0.02 | 31830096 | | | | |



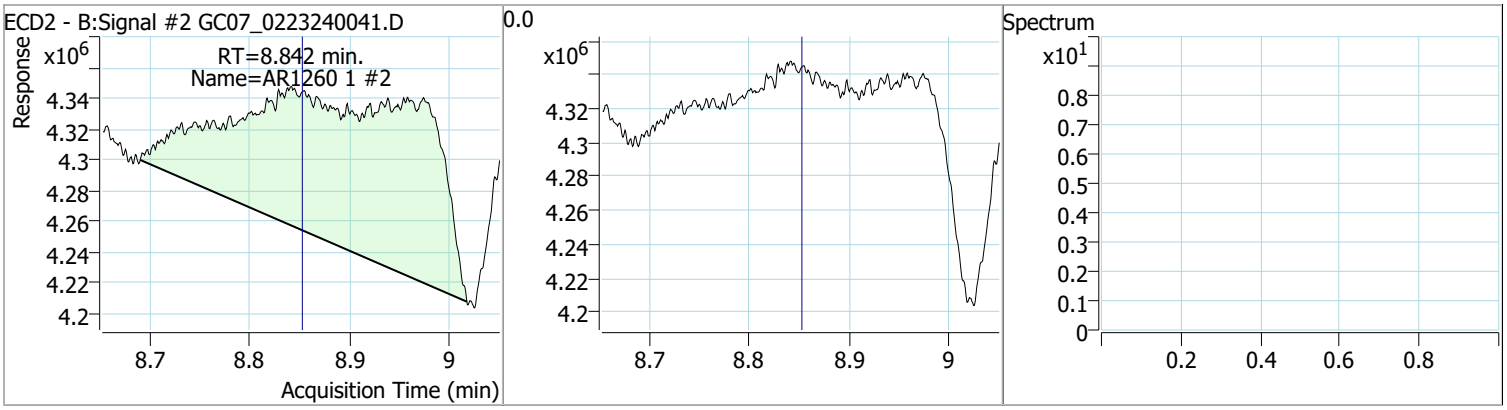

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 3.5735 | 7.81 | -0.01 | 698648 | | | | |



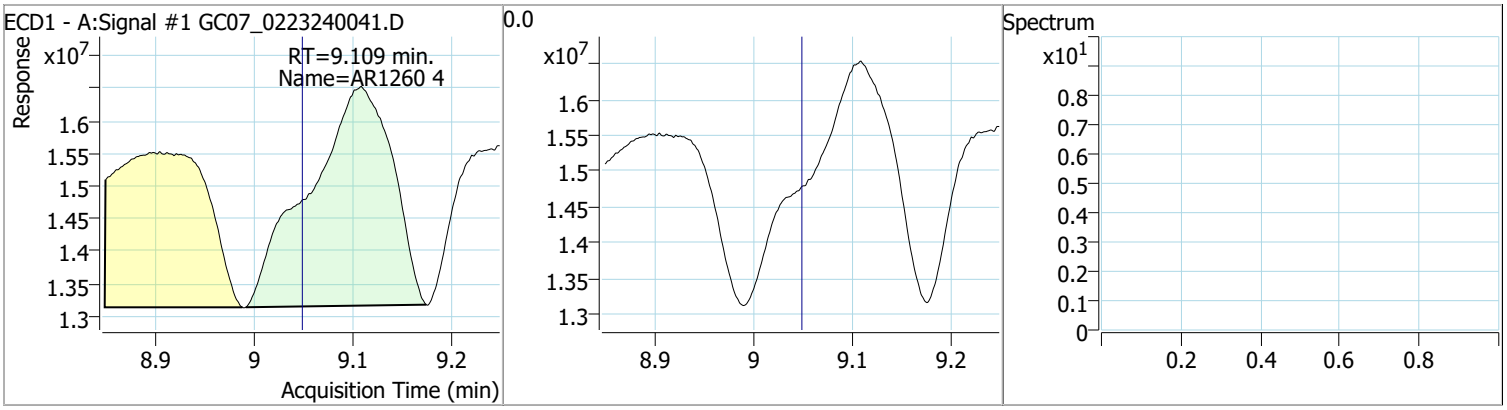

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 21.0633 | 8.22 | -0.12 | 4664090 | | | | |



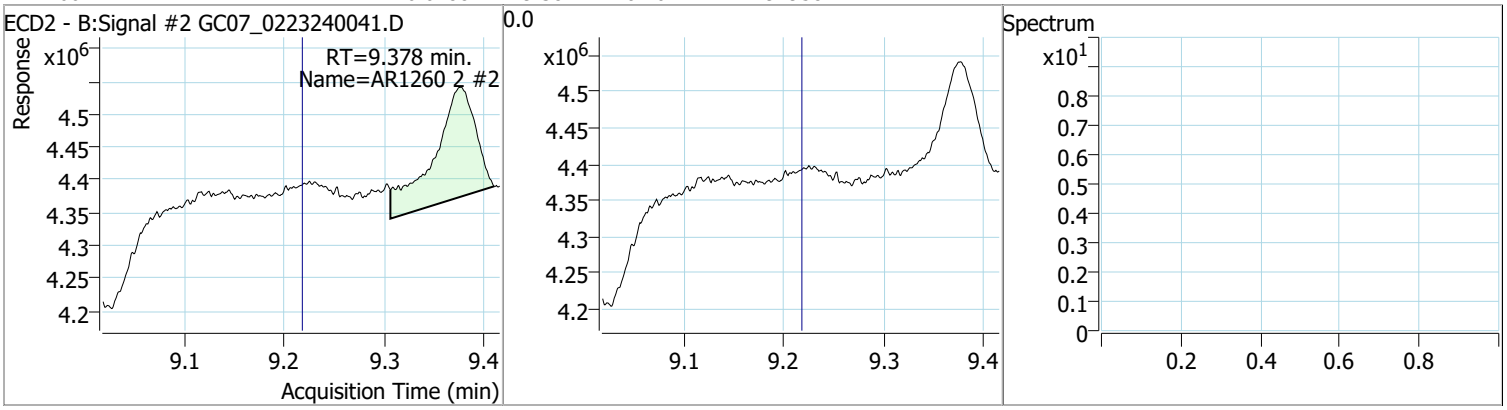

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 48.6363 | 8.84 | -0.01 | 1382523 | | | | |



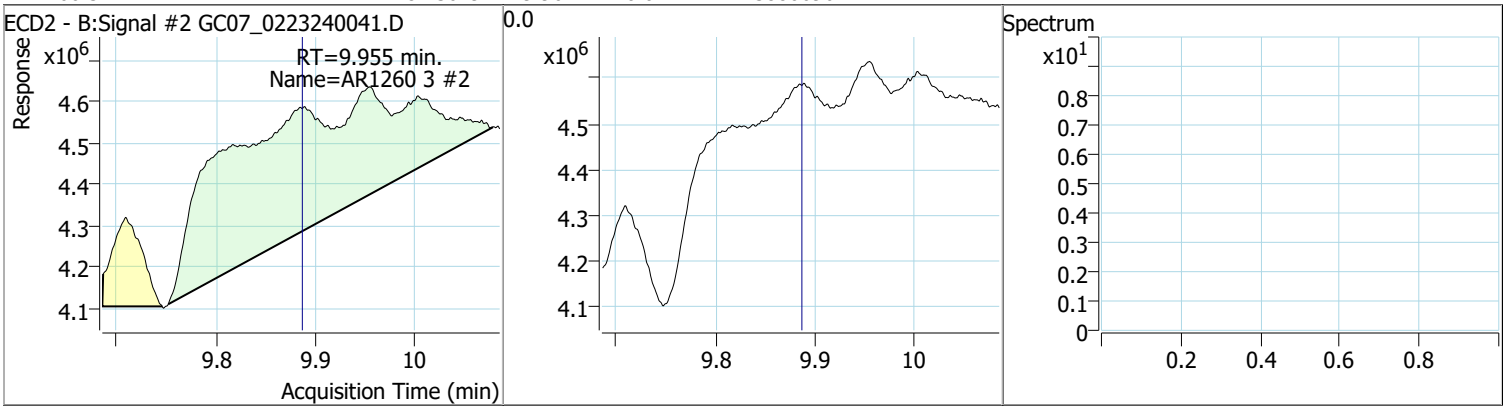
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 159.2804 | 9.11 | 0.06 | 19781441 | | | | |



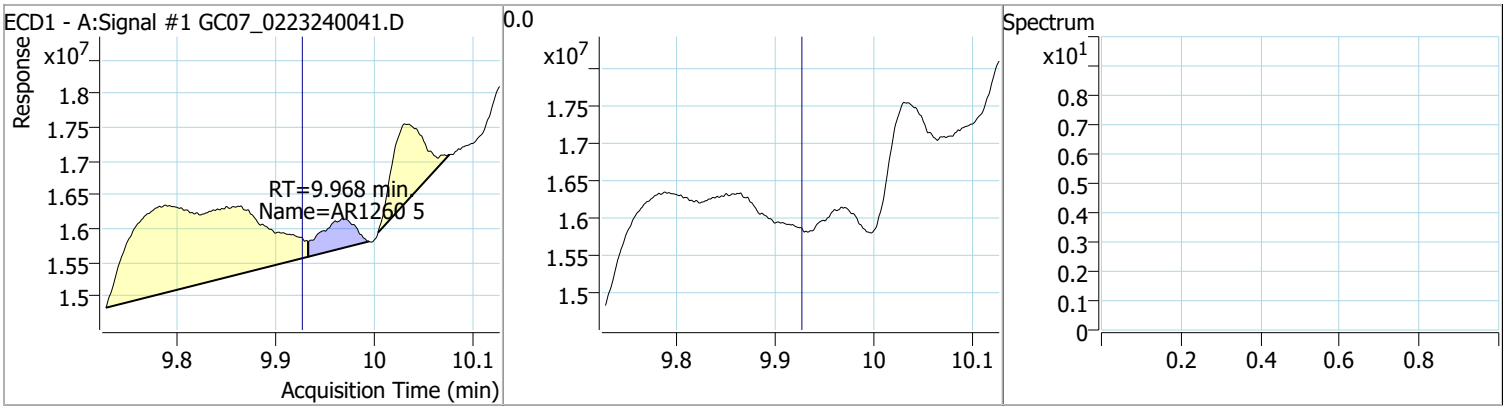

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 16.0188 | 9.38 | 0.16 | 497958 | | | | |



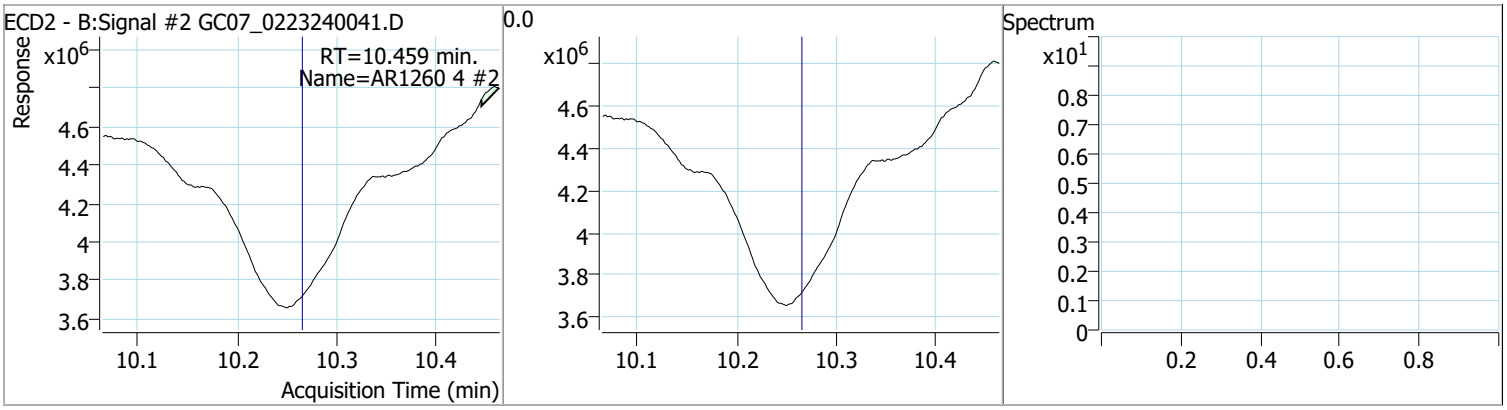

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 181.3679 | 9.96 | 0.07 | 3880696 | | | | |



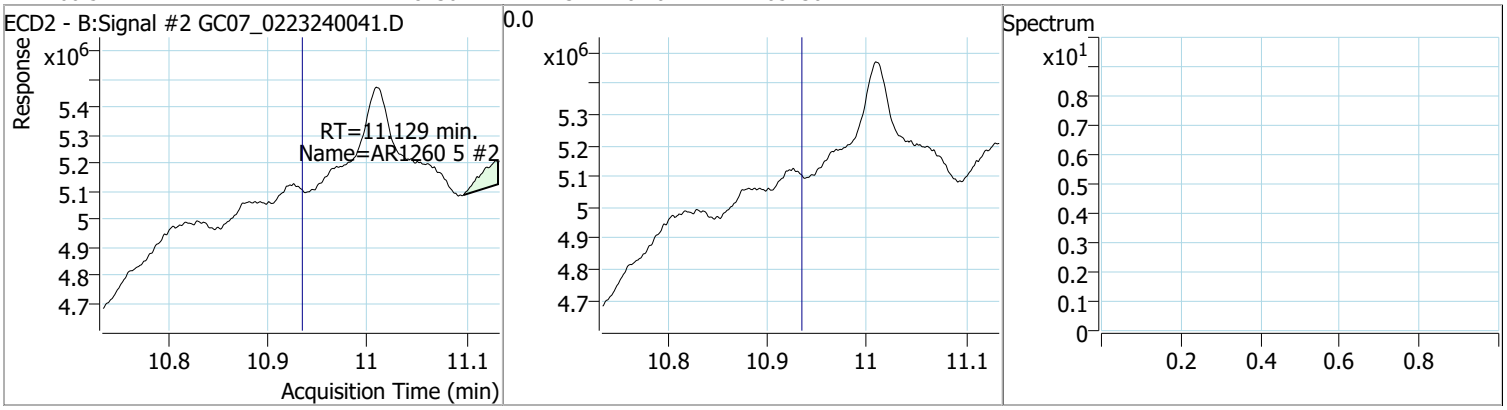

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 8.4748 | 9.97 | 0.04 | 1079538 | | | | |



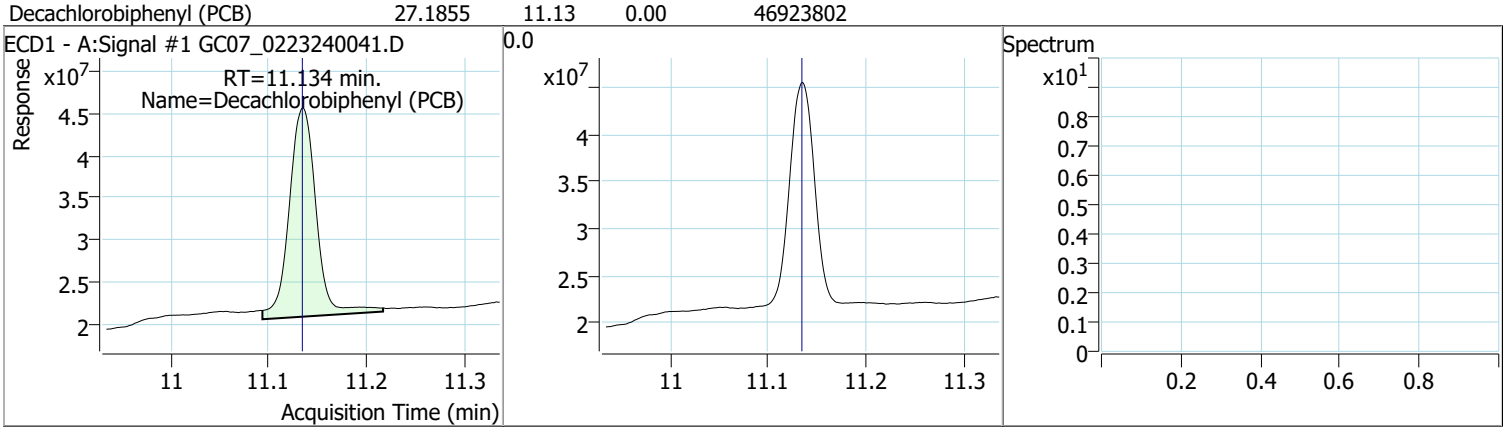
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 1.4352 | 10.46 | 0.20 | 35310 | | | | |



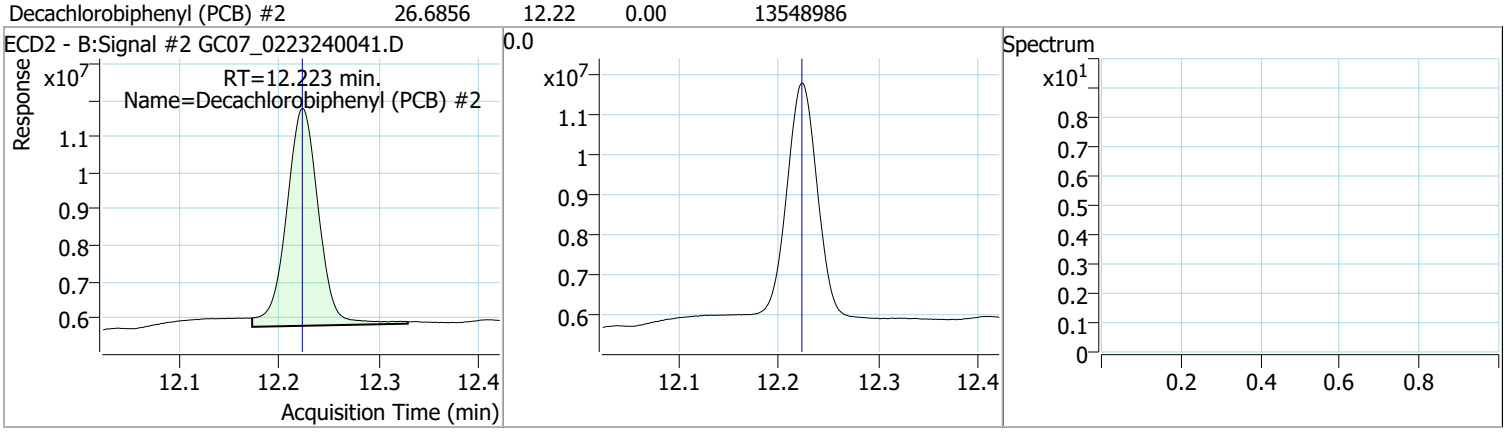

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 2.8436 | 11.13 | 0.20 | 105730 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 27.1855 | 11.13 | 0.00 | 46923802 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 26.6856 | 12.22 | 0.00 | 13548986 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-020 | Client ID: | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA |
| Seqnum: | 464078296042 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240042 | Batch: | 333612 | Time: | 23-FEB-2024 20:20 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 60.47 | ug/L | ~~0.60~~ FP | 2.7 | 127% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 37.83 | ug/L | 0.38 | 0.61 | 47% | | | |
| Aroclor-1016 Peak # 2 | B | 47.53 | ug/L | 0.48 | 0.42 | 13% | | | |
| Aroclor-1016 Peak # 3 | B | 136.9 | ug/L | 1.37 | 3.36 | 84% | | | |
| Aroclor-1016 Peak # 4 | B | 73.18 | ug/L | 0.73 | 2.93 | 120% | | | |
| Aroclor-1016 Peak # 5 | B | 6.846 | ug/L | 0.07 | 6.31 | 196% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 54.12 | ug/L | ~~0.54~~ FP | 0.34 | 46% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 33.08 | ug/L | 0.33 | 0.34 | 3% | | | |
| Aroclor-1260 Peak # 2 | B | 10.85 | ug/L | 0.11 | 0.03 | 112% | | | |
| Aroclor-1260 Peak # 3 | B | 143.3 | ug/L | 1.43 | 0.17 | 157% | | | |
| Aroclor-1260 Peak # 4 | B | 8.984 | ug/L | 0.09 | 1.06 | 169% | | | |
| Aroclor-1260 Peak # 5 | B | 74.42 | ug/L | 0.74 | 0.09 | 156% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 28.02 | pg/uL | 0.5000 | 0.2802 | 56 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 27.87 | pg/uL | 0.5000 | 0.2787 | 56 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9564203 | 36.96 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 46572354 | 33.48 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

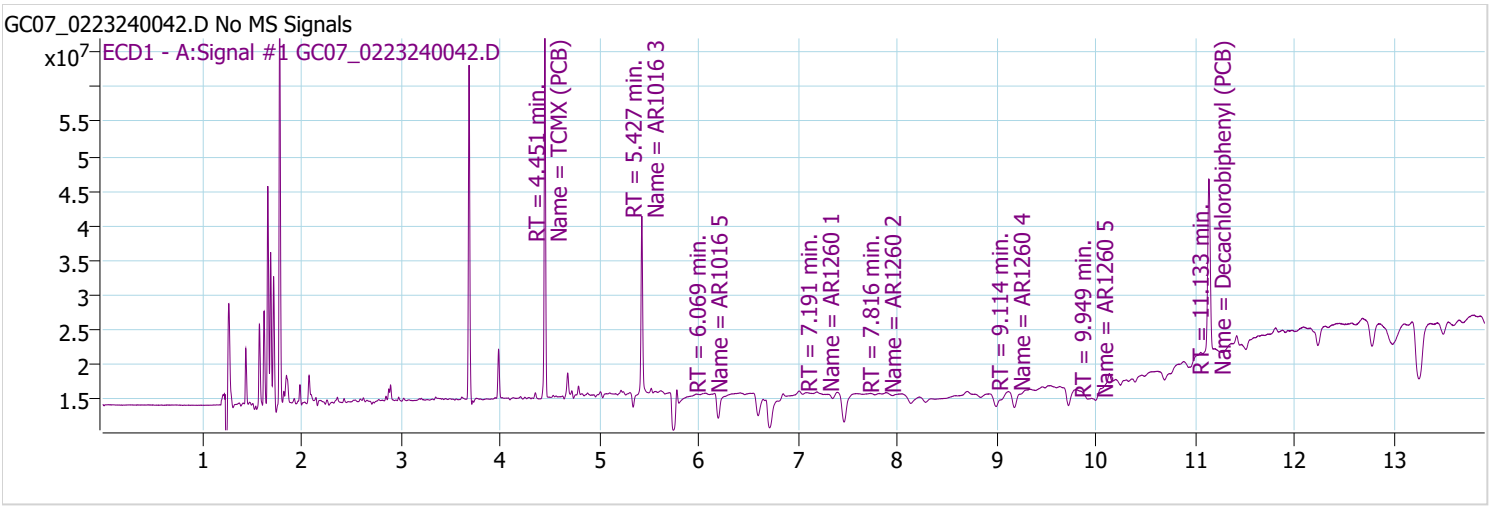
02/24/24 : WIPE/1S-10ML//

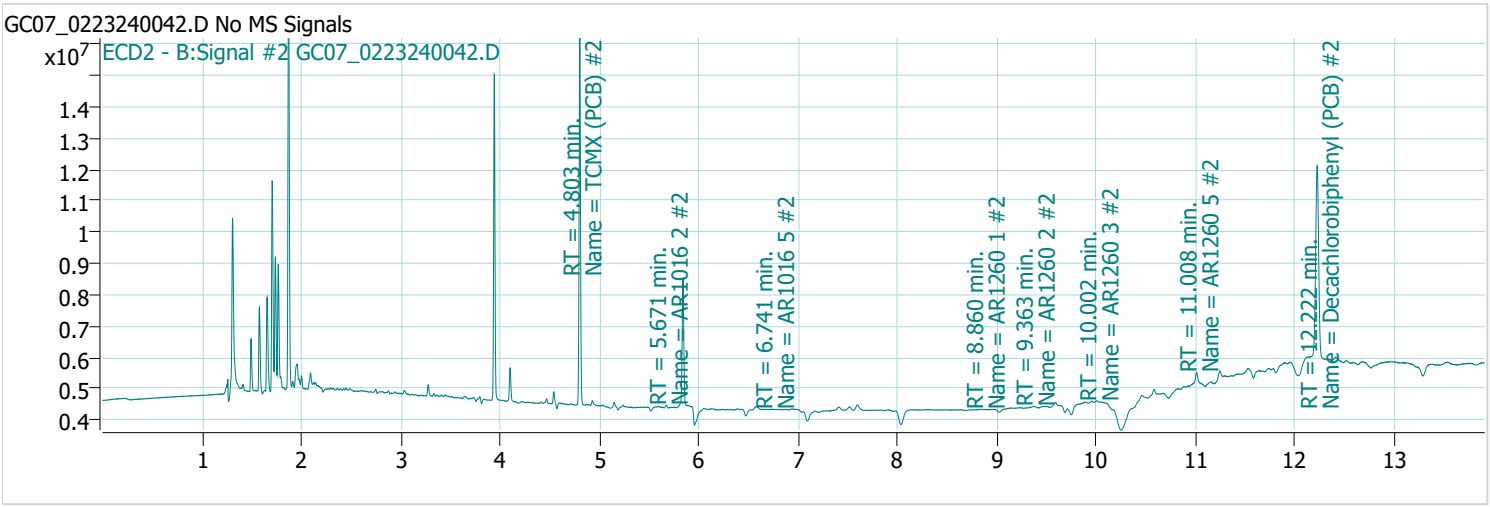
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240042.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 8:20:15 PM |
| Sample Name | 502501-020, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 13 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



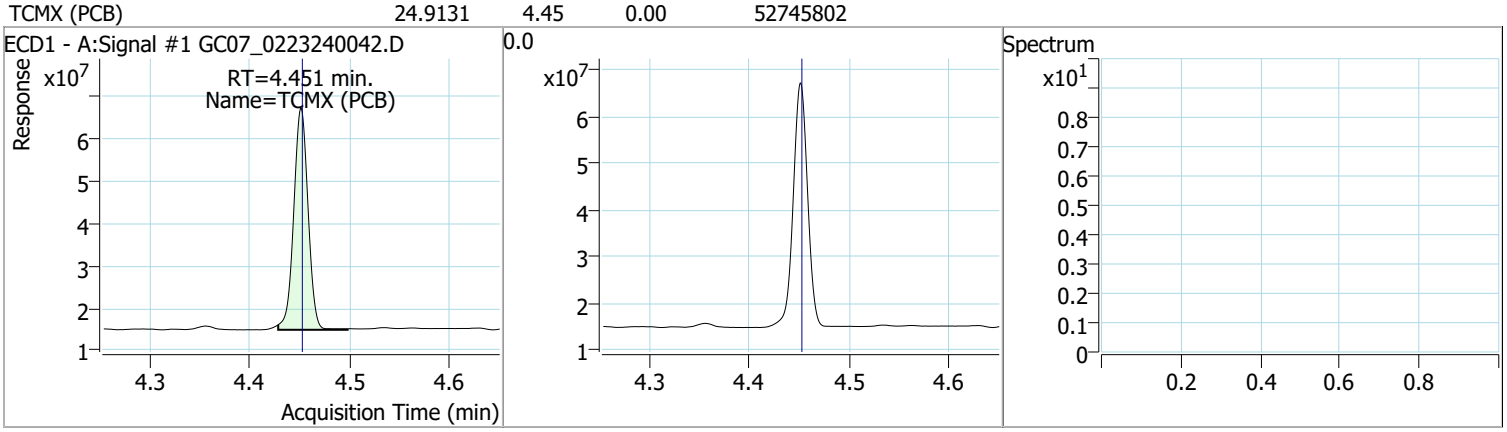




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.688 | 0.0 | 46572354.240 | 20.0000 | ng/ml | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.942 | 0.0 | 9564202.615 | 20.0000 | ng/ml | -0.001 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.451 | 0.0 | 52745802.131 | 24.9131 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 124.57% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 11680854.375 | 28.0225 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 140.11% | | |
| S Decachlorobiphenyl (PCB) | 11.133 | 0.0 | 49373635.591 | 26.5314 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 132.66% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.222 | 0.0 | 15172265.351 | 27.8686 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 139.34% | | |
| **Target Compounds** | | | | | | QValue |

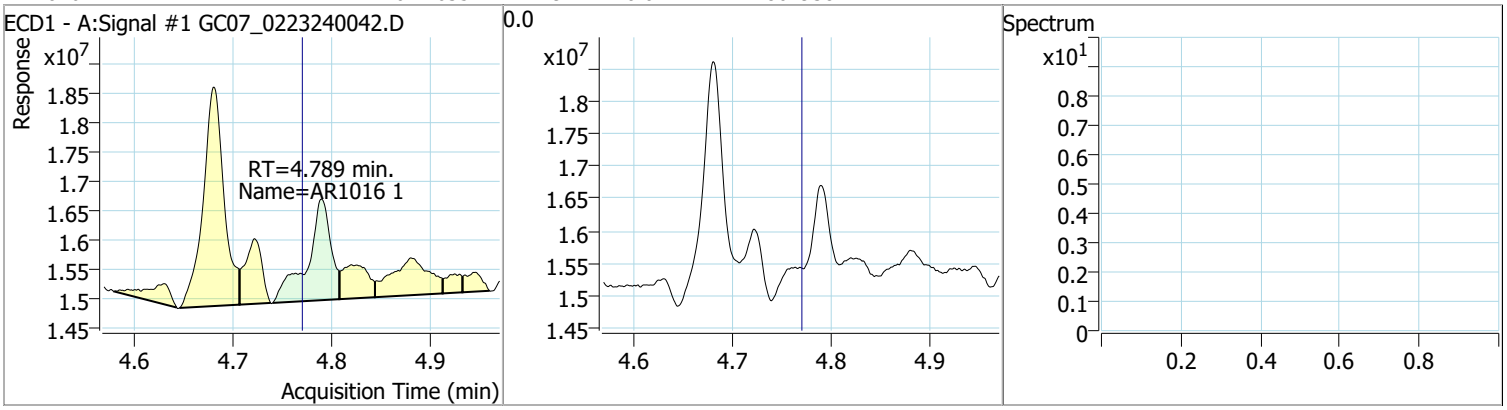
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.789 | 0.0 | 2867937.580 | 61.1635 | ng/ml | 100 |
| T AR1016 2 | 5.107 | 0.0 | 3457064.005 | 41.8799 | ng/ml | 100 |
| T AR1016 1 #2 | 5.237 | 0.0 | 337668.803 | 37.8267 | ng/ml | 100 |
| T AR1016 3 | 5.427 | 0.0 | 36950739.923 | 336.4151 | ng/ml | 100 |
| T AR1016 4 | 5.707 | 0.0 | 21716868.483 | 293.3567 | ng/ml | 100 |
| T AR1016 2 #2 | 5.671 | 0.0 | 846475.614 | 47.5317 | ng/ml | 100 |
| T AR1016 5 | 6.069 | 0.0 | 41386422.481 | 631.2612 | ng/ml | 100 |
| T AR1016 3 #2 | 6.051 | 0.0 | 3353446.614 | 136.9494 | ng/ml | 100 |
| T AR1016 4 #2 | 6.117 | 0.0 | 1185017.218 | 73.1802 | ng/ml | 100 |
| T AR1016 5 #2 | 6.741 | 0.0 | 89437.212 | 6.8457 | ng/ml | 100 |
| T AR1260 1 | 7.191 | 0.0 | 4496670.256 | 34.2039 | ng/ml | 100 |
| T AR1260 2 | 7.816 | 0.0 | 644261.730 | 3.0564 | ng/ml | 100 |
| T AR1260 3 | 8.221 | 0.0 | 4135562.830 | 17.3227 | ng/ml | 100 |
| T AR1260 1 #2 | 8.860 | 0.0 | 1008174.568 | 33.0764 | ng/ml | 100 |
| T AR1260 4 | 9.114 | 0.0 | 14219804.693 | 106.1989 | ng/ml | 100 |
| T AR1260 2 #2 | 9.363 | 0.0 | 361748.697 | 10.8528 | ng/ml | 100 |
| T AR1260 3 #2 | 10.002 | 0.0 | 3287256.246 | 143.2778 | ng/ml | 100 |
| T AR1260 5 | 9.949 | 0.0 | 1253481.733 | 9.1271 | ng/ml | 100 |
| T AR1260 4 #2 | 10.073 | 0.0 | 237003.765 | 8.9836 | ng/ml | 100 |
| T AR1260 5 #2 | 11.008 | 0.0 | 2966962.083 | 74.4177 | ng/ml | 100 |

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

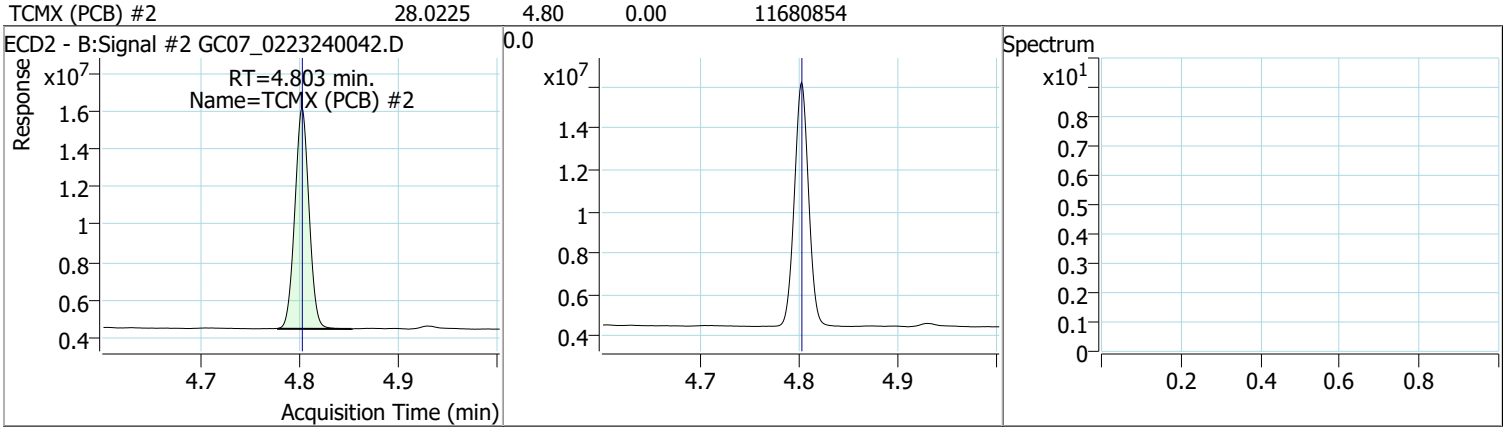
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 24.9131 | 4.45 | 0.00 | 52745802 | | | | |



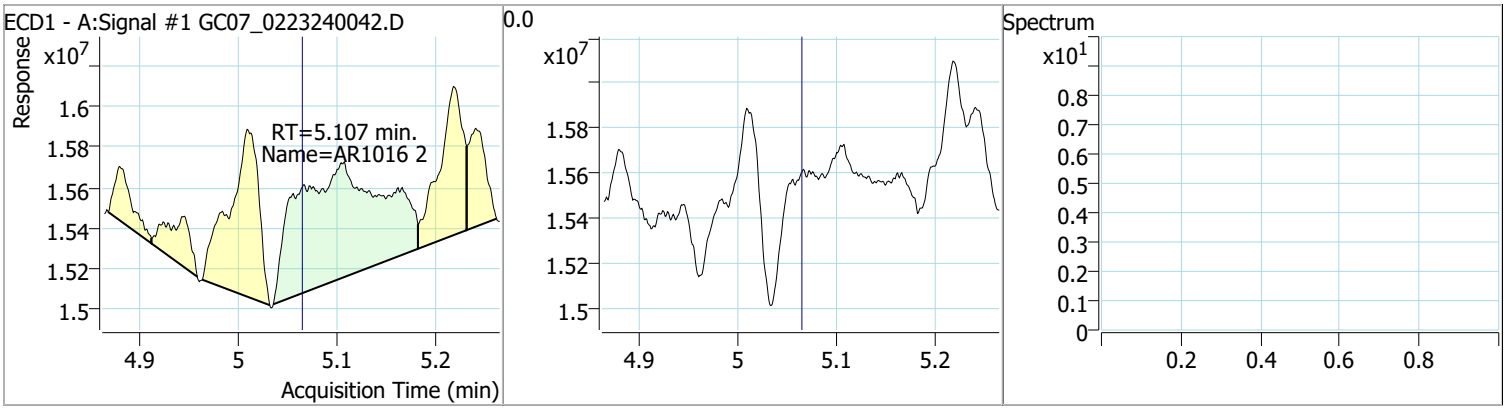

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 61.1635 | 4.79 | 0.02 | 2867938 | | | | |



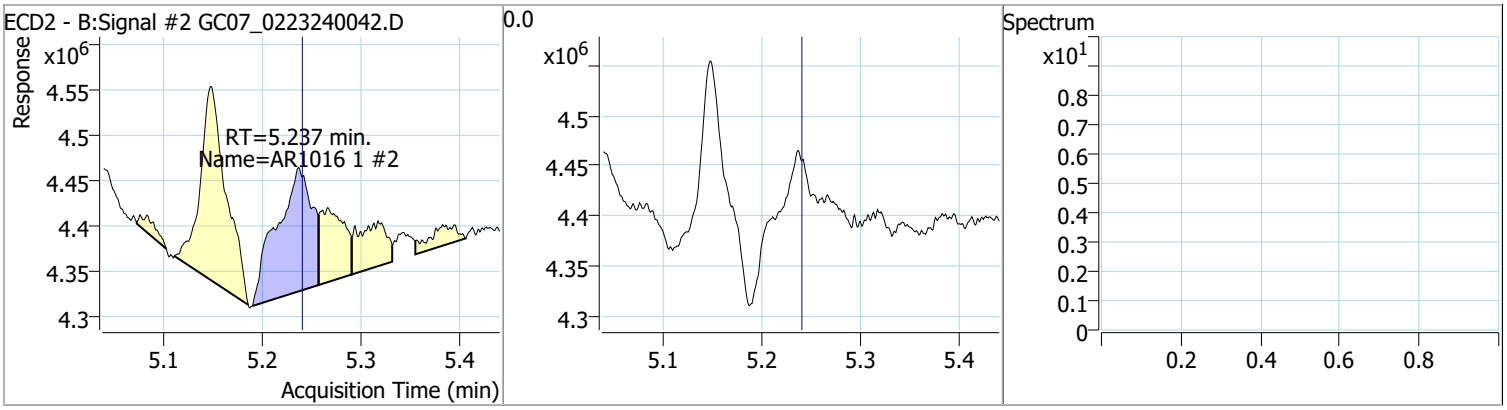

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 28.0225 | 4.80 | 0.00 | 11680854 | | | | |



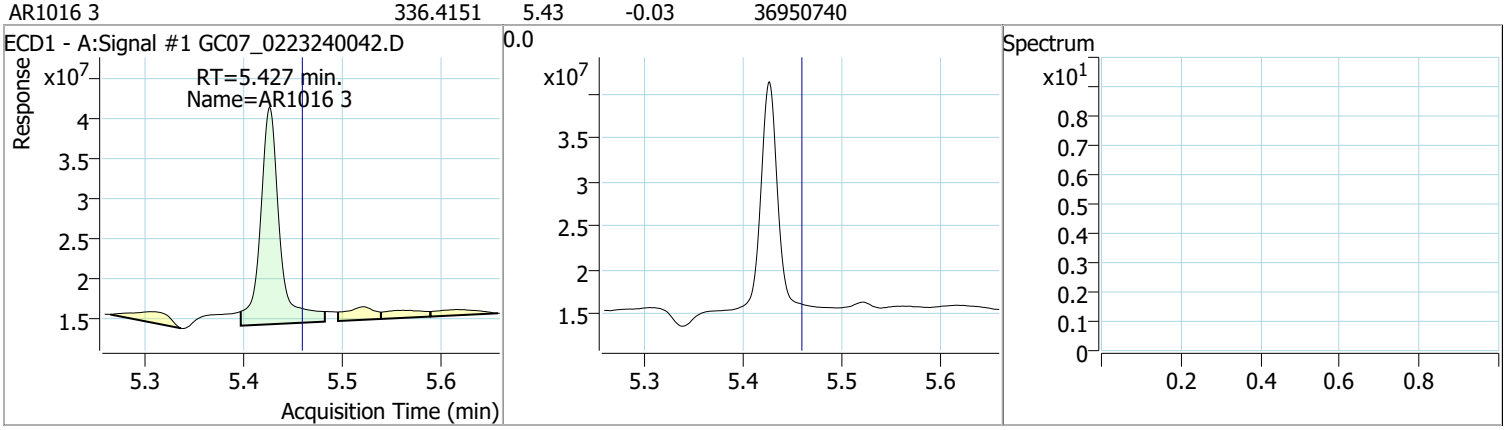

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 41.8799 | 5.11 | 0.04 | 3457064 | | | | |



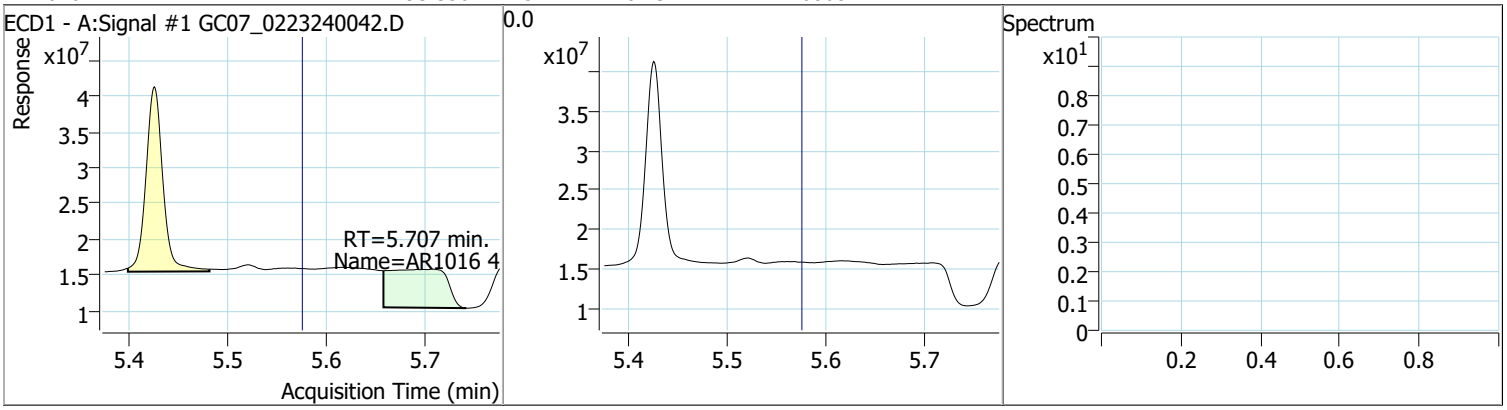
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 37.8267 | 5.24 | 0.00 | 337669 | | | | |



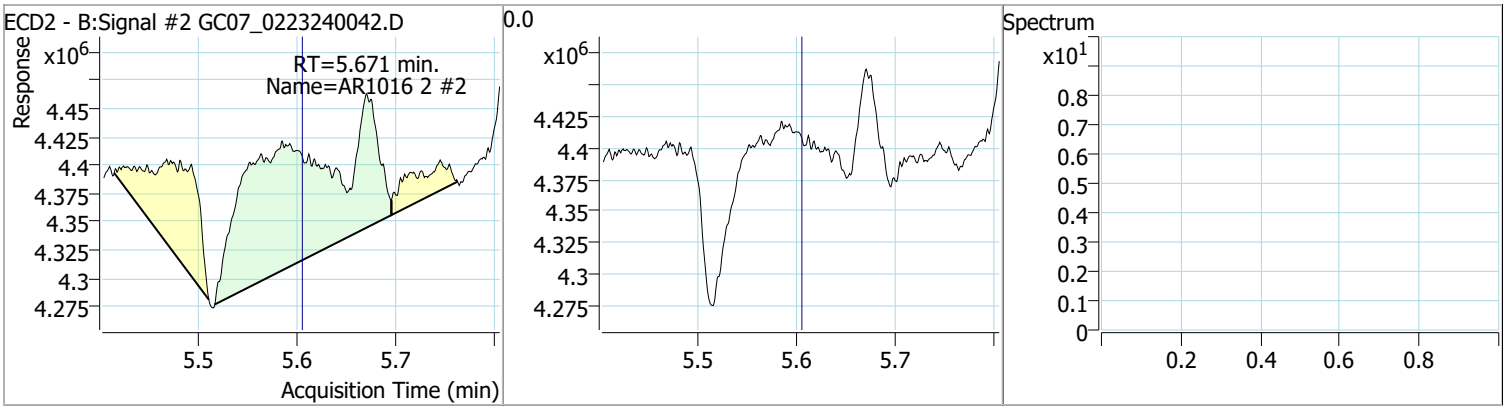

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 336.4151 | 5.43 | -0.03 | 36950740 | | | | |



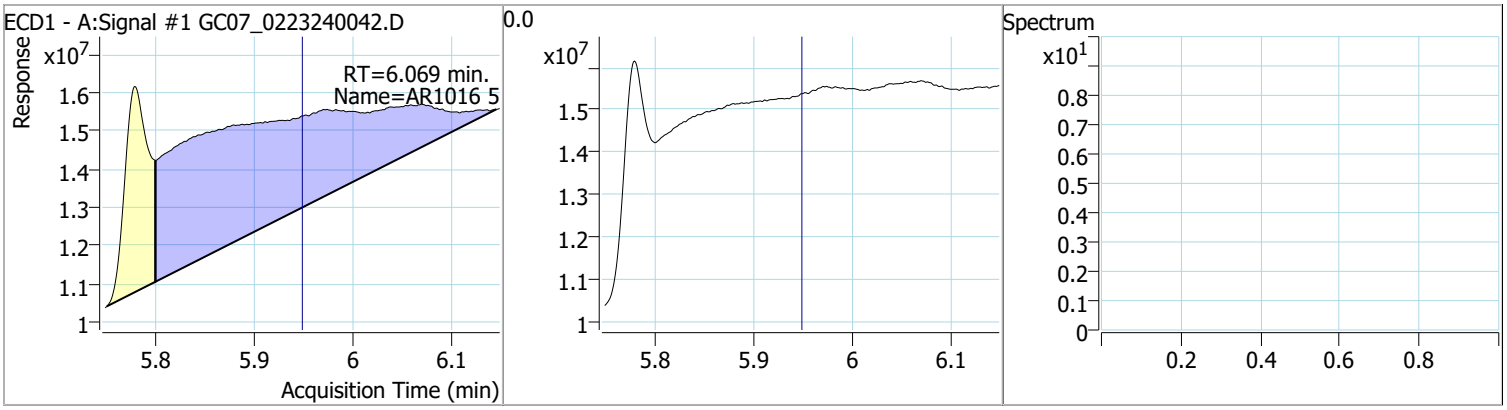

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 293.3567 | 5.71 | 0.13 | 21716868 | | | | |



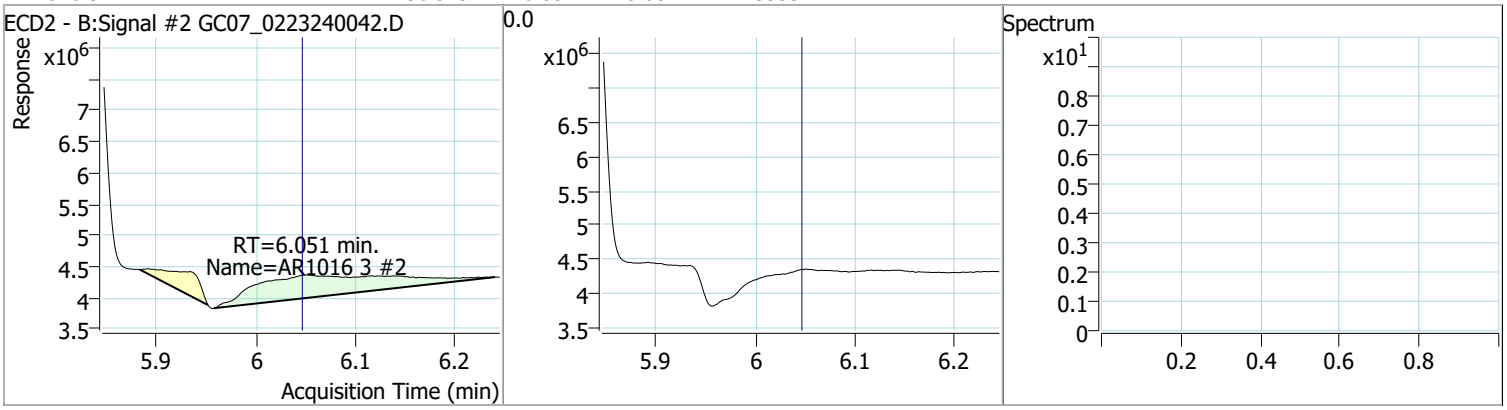

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 47.5317 | 5.67 | 0.07 | 846476 | | | | |



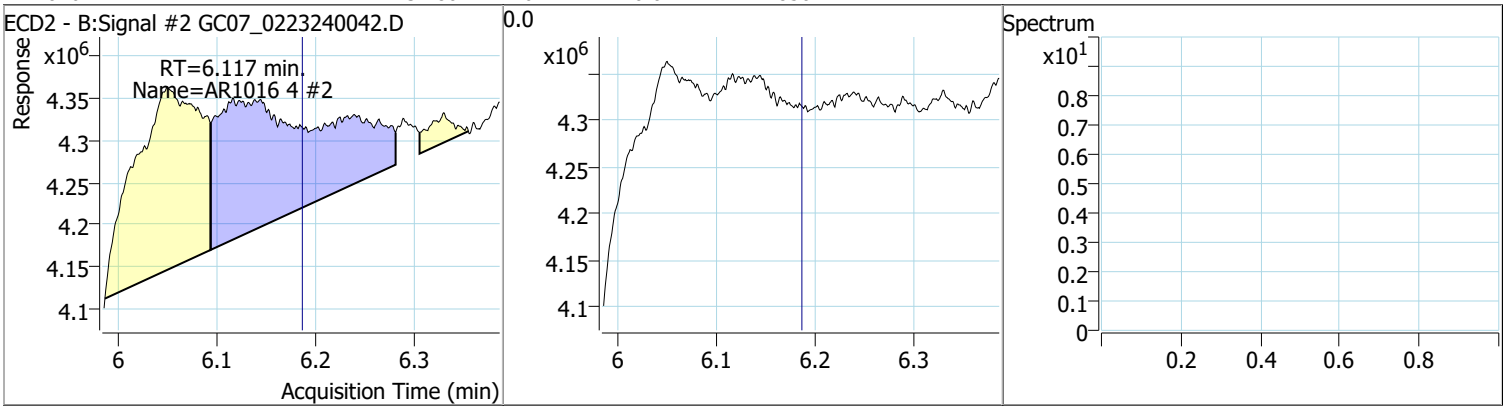
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 631.2612 | 6.07 | 0.12 | 41386422 | | | | |



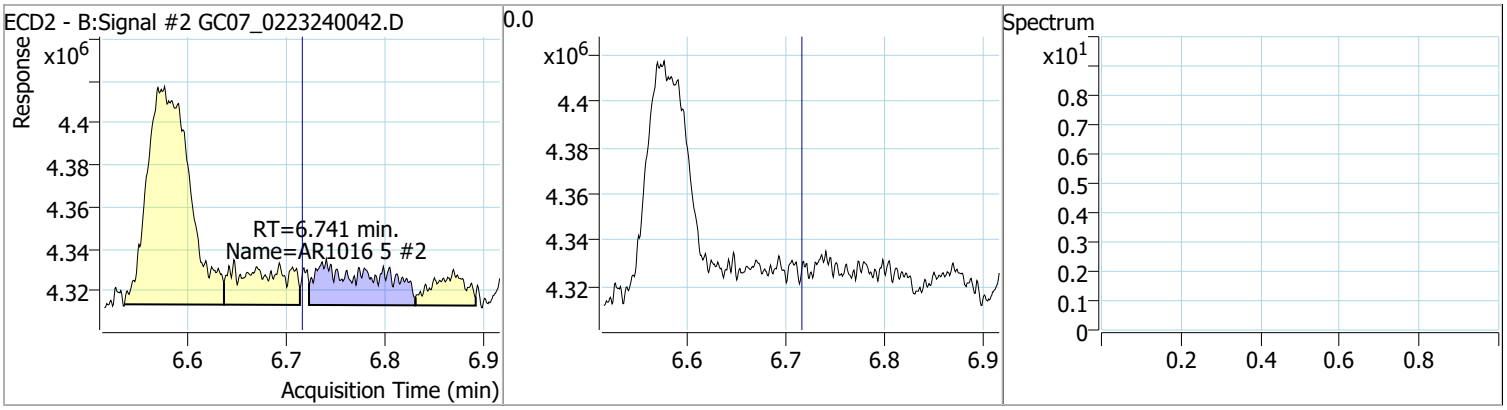

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 136.9494 | 6.05 | 0.00 | 3353447 | | | | |



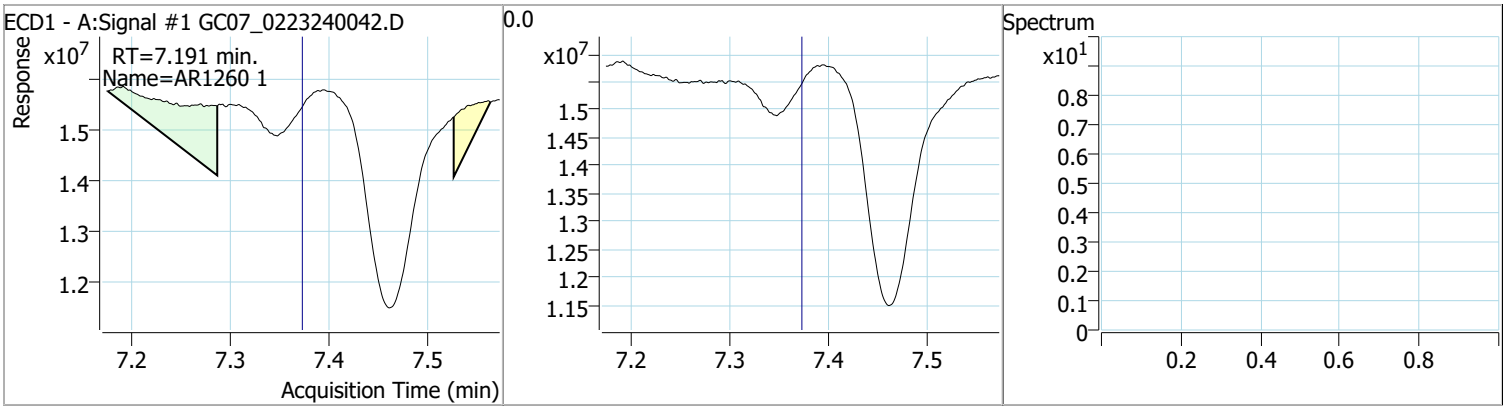

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 73.1802 | 6.12 | -0.07 | 1185017 | | | | |



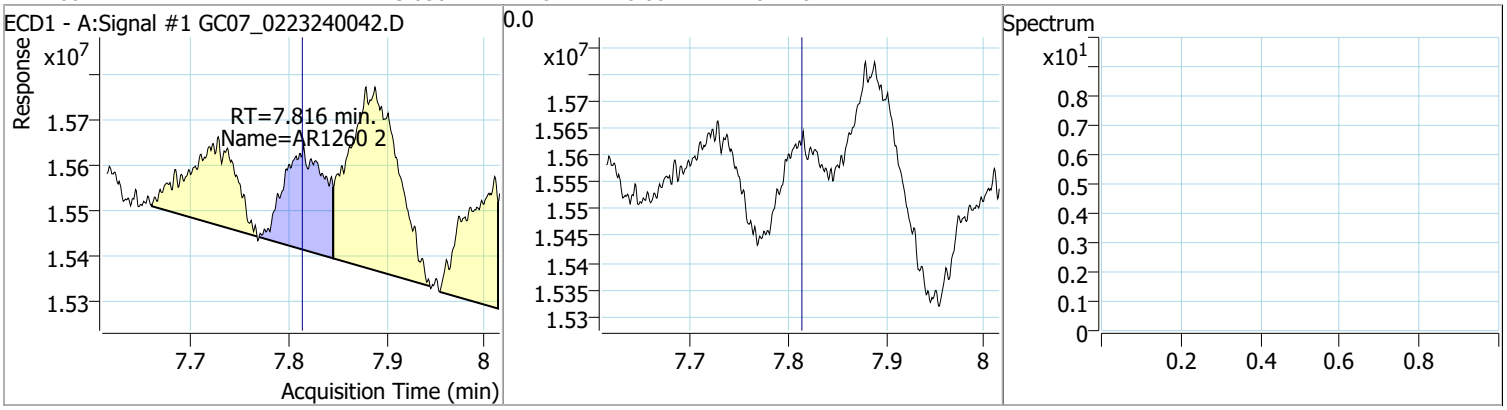

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 6.8457 | 6.74 | 0.02 | 89437 | | | | |



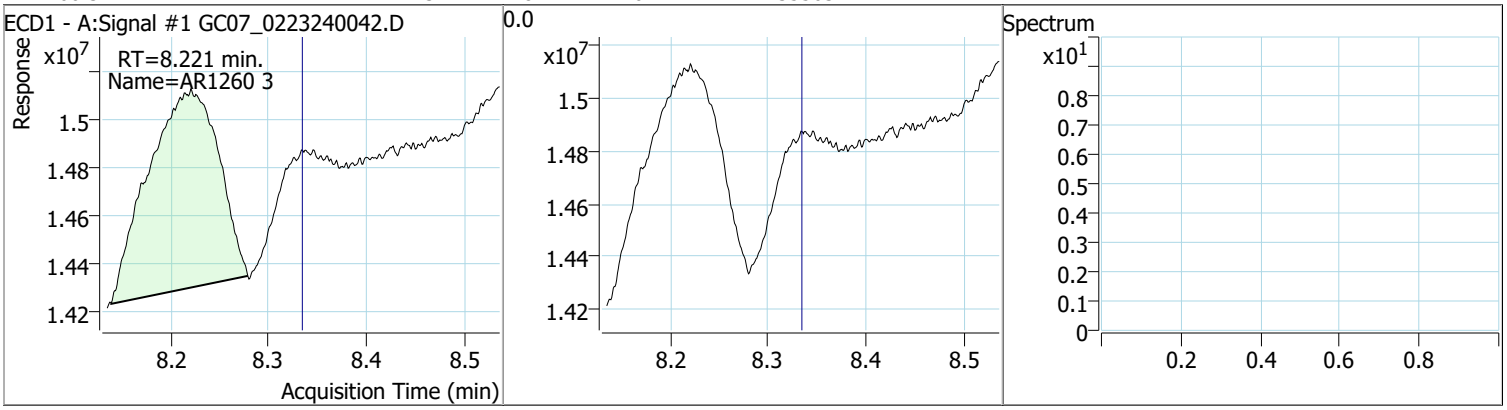
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 34.2039 | 7.19 | -0.18 | 4496670 | | | | |



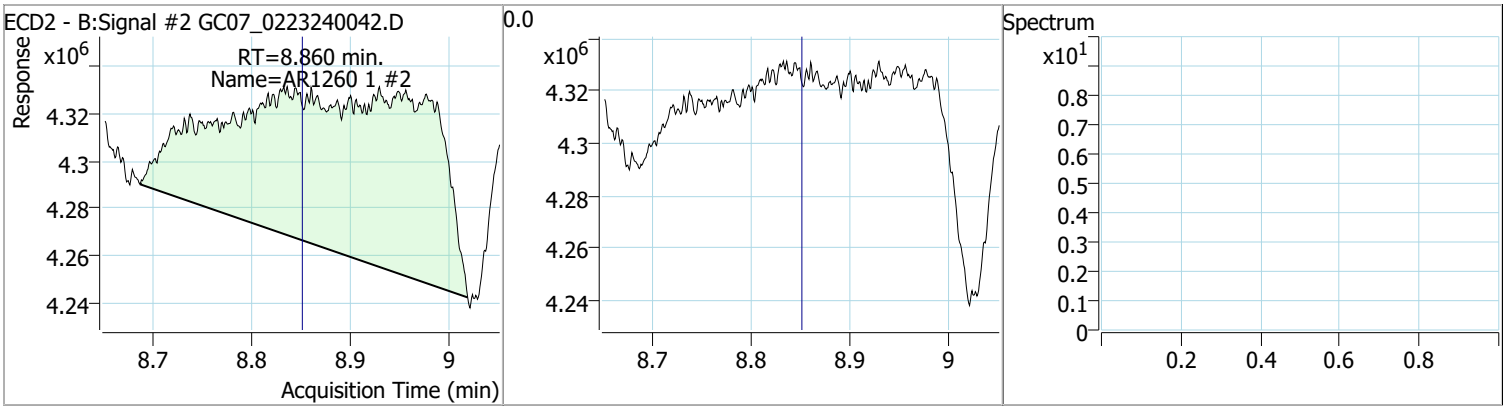

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 3.0564 | 7.82 | 0.00 | 644262 | | | | |



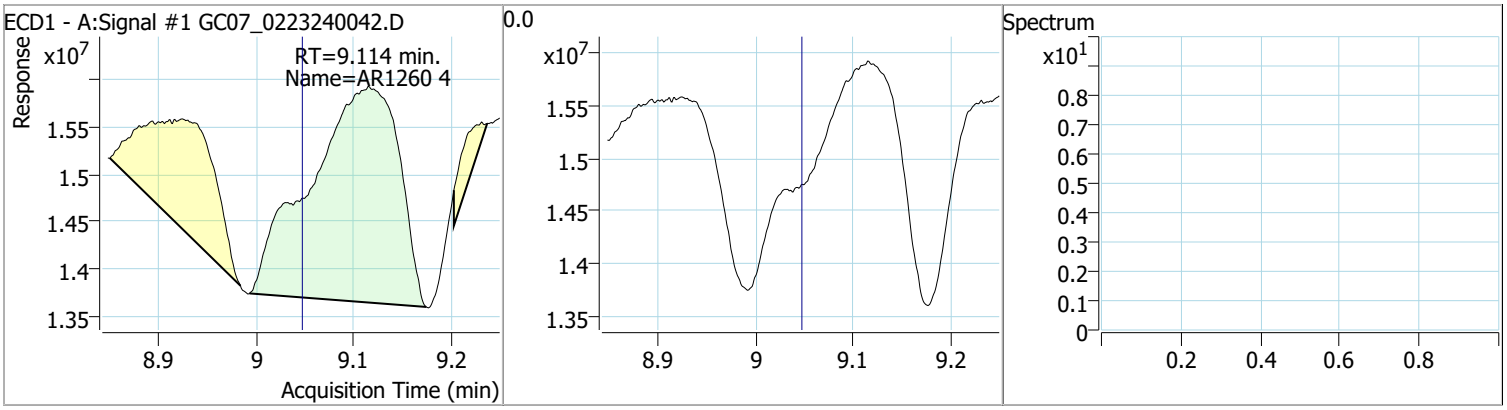

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 17.3227 | 8.22 | -0.12 | 4135563 | | | | |



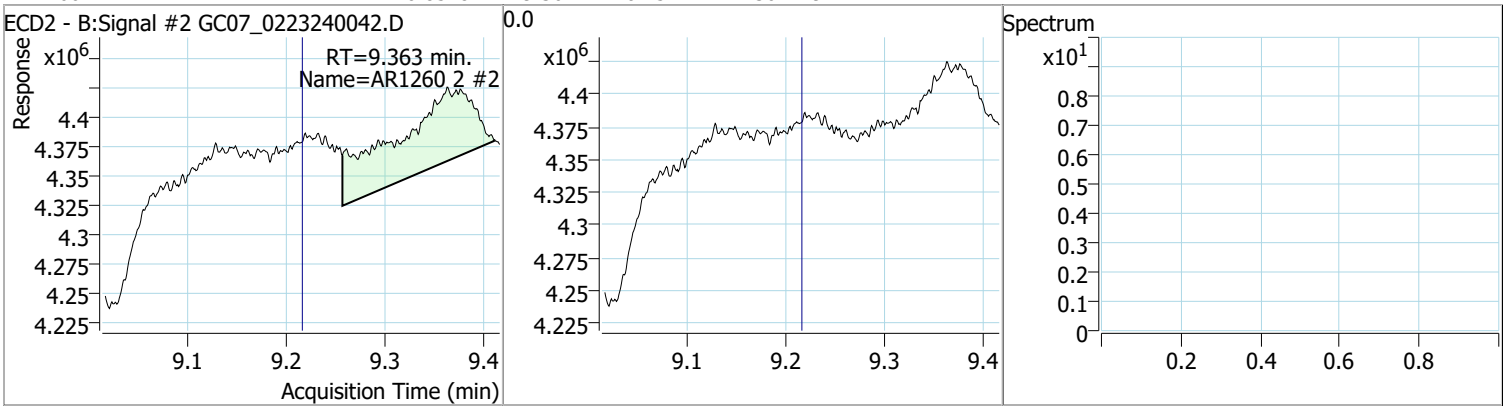

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 33.0764 | 8.86 | 0.01 | 1008175 | | | | |



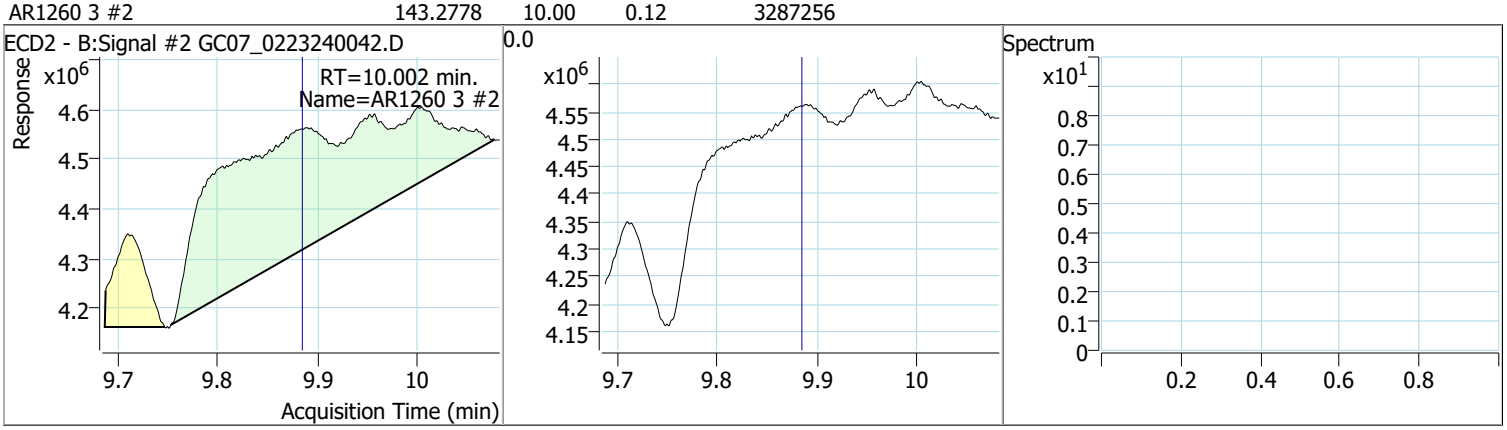
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 106.1989 | 9.11 | 0.06 | 14219805 | | | | |



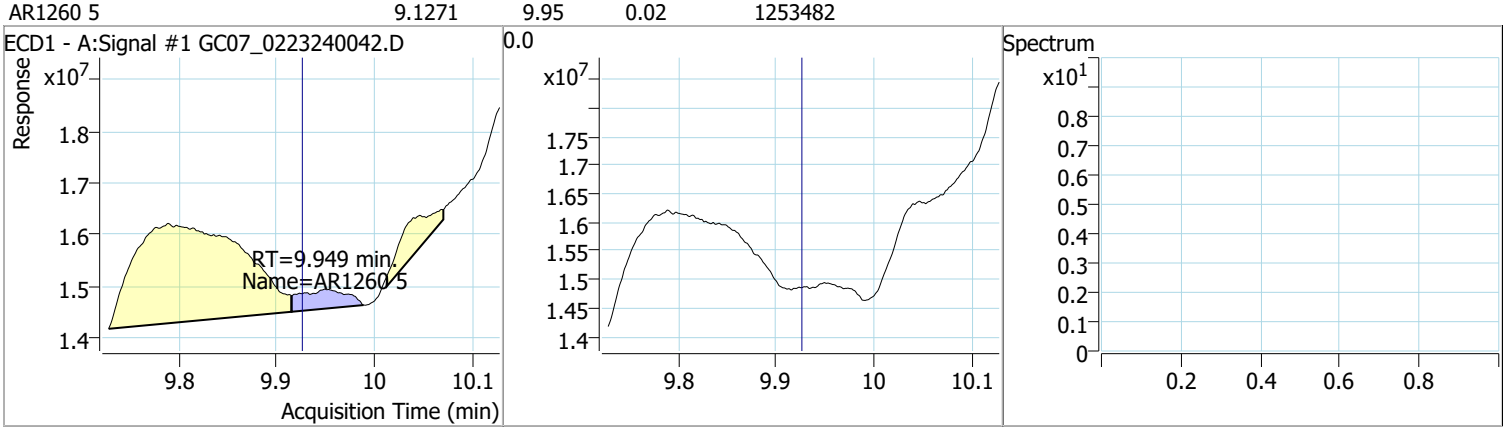

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 10.8528 | 9.36 | 0.15 | 361749 | | | | |



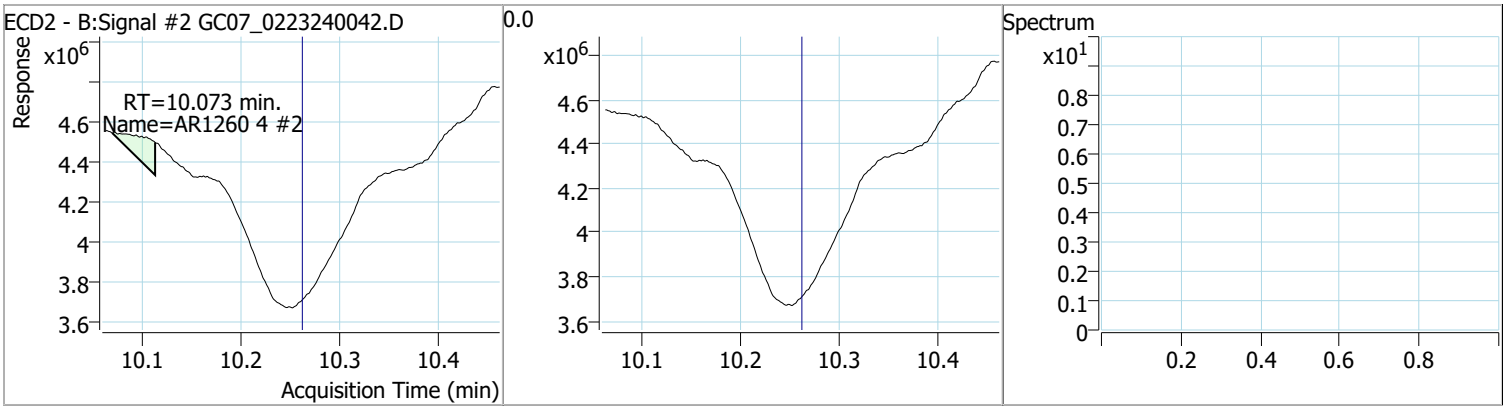

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 143.2778 | 10.00 | 0.12 | 3287256 | | | | |



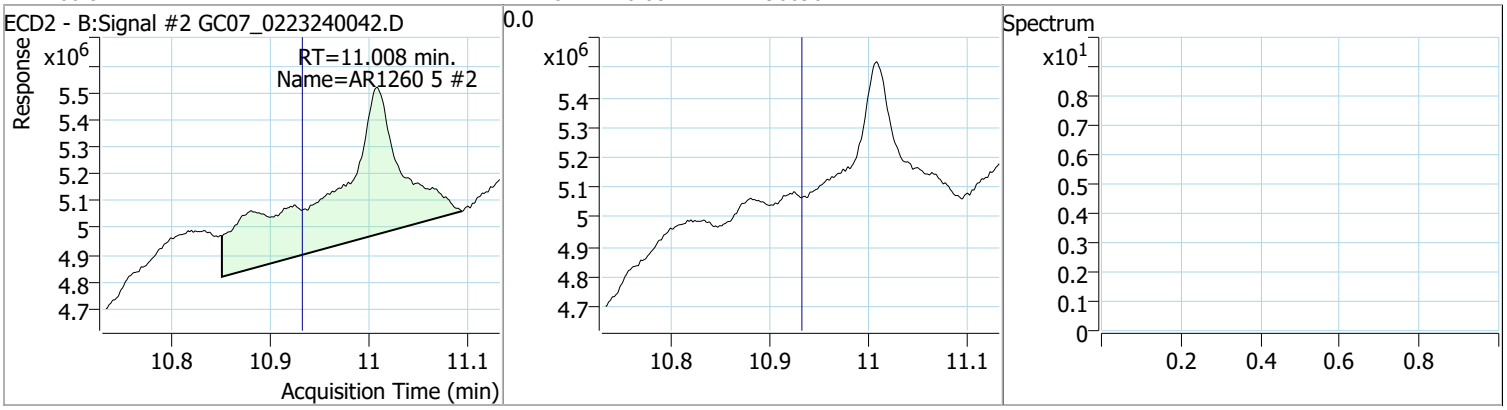

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 9.1271 | 9.95 | 0.02 | 1253482 | | | | |



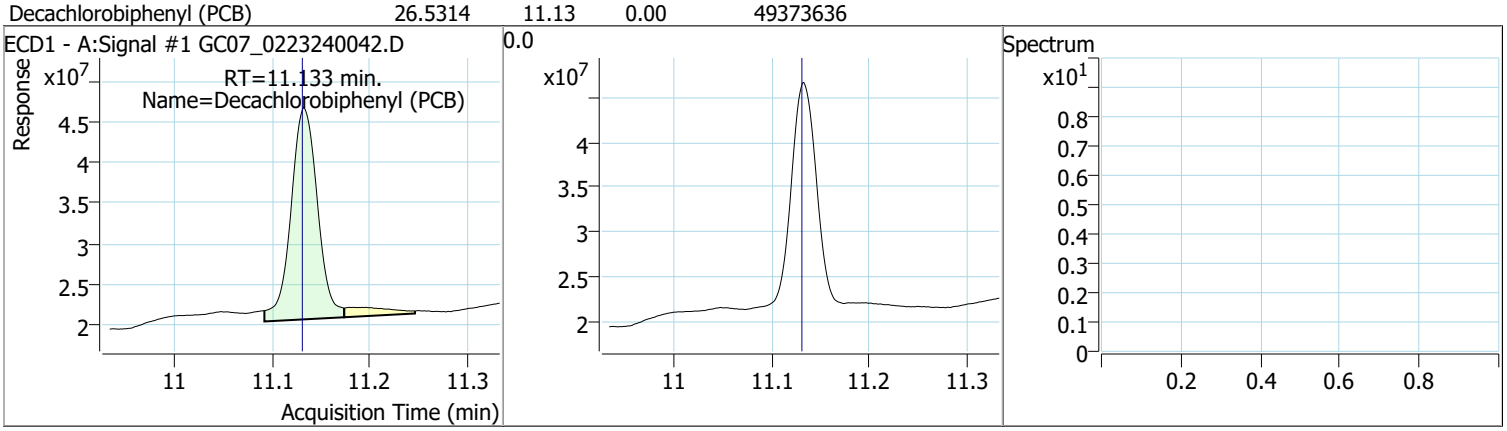
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 8.9836 | 10.07 | -0.19 | 237004 | | | | |



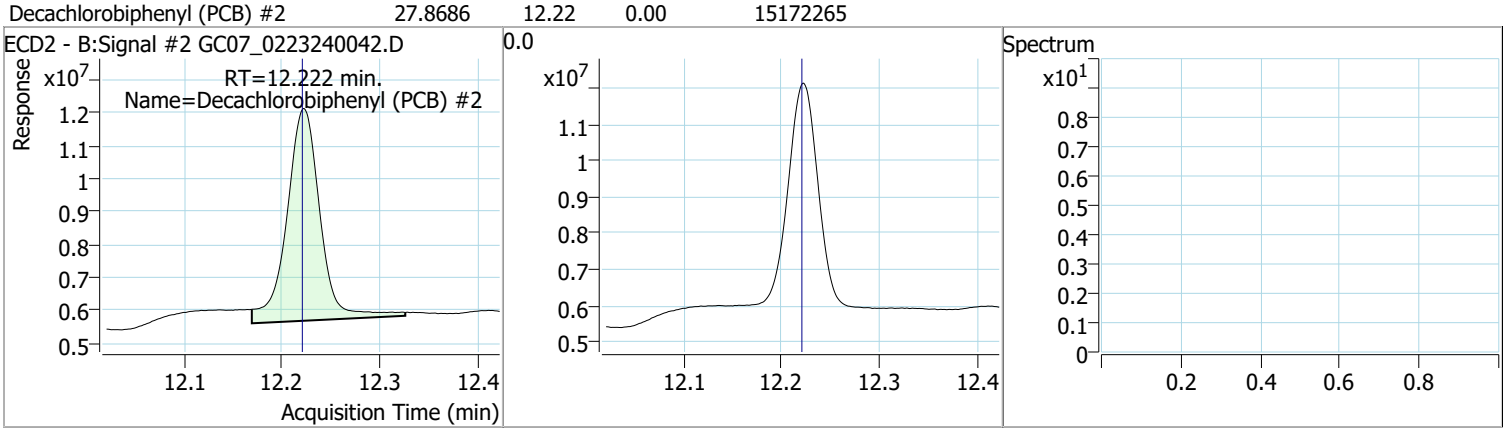

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 74.4177 | 11.01 | 0.08 | 2966962 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 26.5314 | 11.13 | 0.00 | 49373636 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 27.8686 | 12.22 | 0.00 | 15172265 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-022 | Client ID: | 240214-P-FIELDBLANK1-HO |
| Seqnum: | 464078296043 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240043 | Batch: | 333612 | Time: | 23-FEB-2024 20:37 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 58.00 | ug/L | ~~0.58~~ FP | 3.4 | 142% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 37.32 | ug/L | 0.37 | 1.13 | 101% | | | |
| Aroclor-1016 Peak # 2 | B | 90.59 | ug/L | 0.91 | 0.23 | 120% | | | |
| Aroclor-1016 Peak # 3 | B | 87.62 | ug/L | 0.88 | 3.27 | 115% | | | |
| Aroclor-1016 Peak # 4 | B | 62.08 | ug/L | 0.62 | 4.94 | 155% | | | |
| Aroclor-1016 Peak # 5 | B | 12.37 | ug/L | 0.12 | 7.65 | 194% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 57.49 | ug/L | ~~0.57~~ FP | 1.1 | 62% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 53.32 | ug/L | 0.53 | 2.68 | 134% | | | |
| Aroclor-1260 Peak # 2 | B | 15.97 | ug/L | 0.16 | 0.02 | 157% | | | |
| Aroclor-1260 Peak # 3 | B | 168.1 | ug/L | 1.68 | 0.15 | 168% | | | |
| Aroclor-1260 Peak # 4 | B | 2.044 | ug/L | 0.02 | 1.57 | 195% | | | |
| Aroclor-1260 Peak # 5 | B | 47.97 | ug/L | 0.48 | 1.02 | 72% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 27.11 | pg/uL | 0.5000 | 0.2711 | 54 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 25.09 | pg/uL | 0.5000 | 0.2509 | 50 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9569535 | 37.03 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 46756663 | 34.01 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

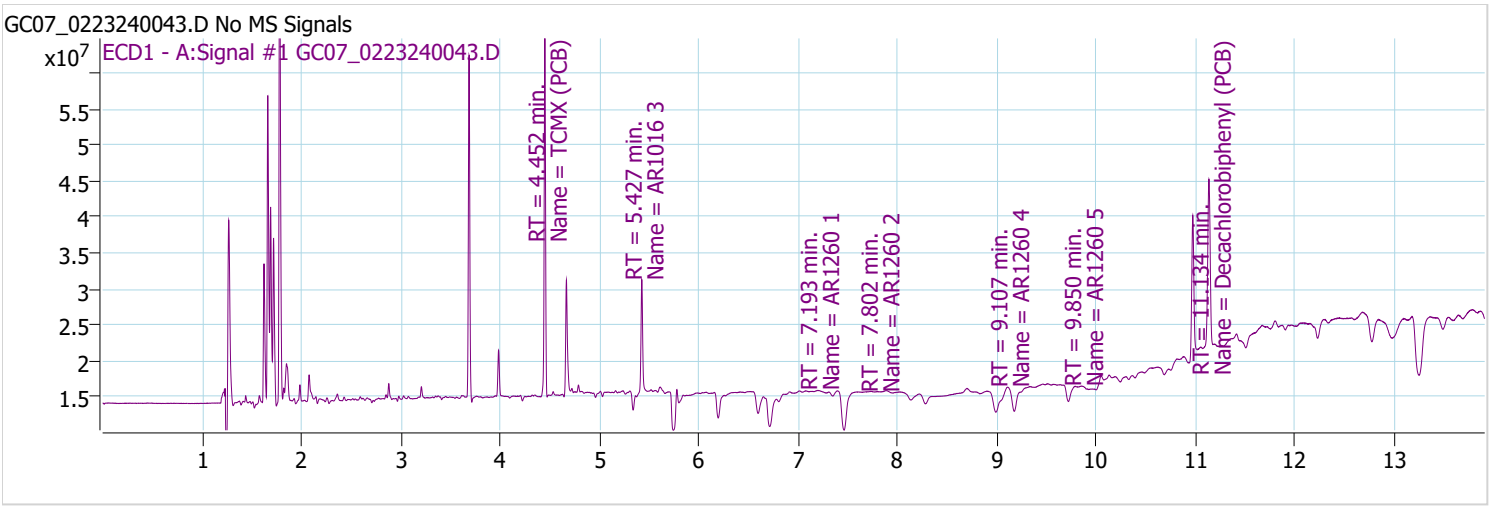
02/24/24 : WIPE/1S-10ML//

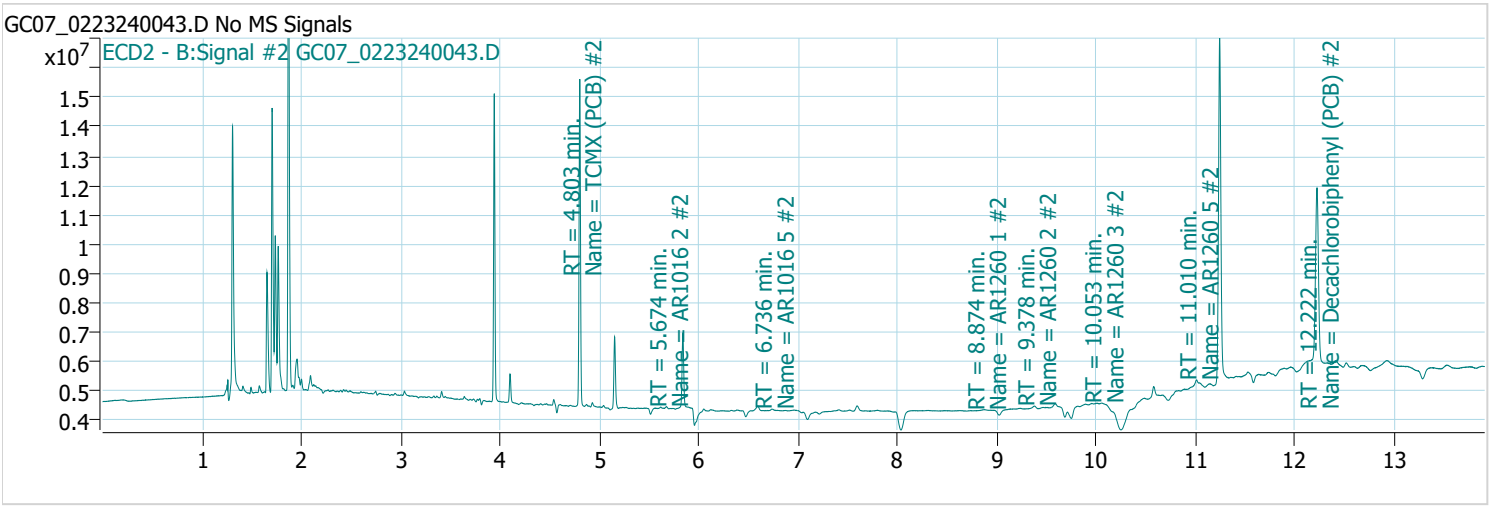
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240043.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 8:37:37 PM |
| Sample Name | 502501-022, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 14 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



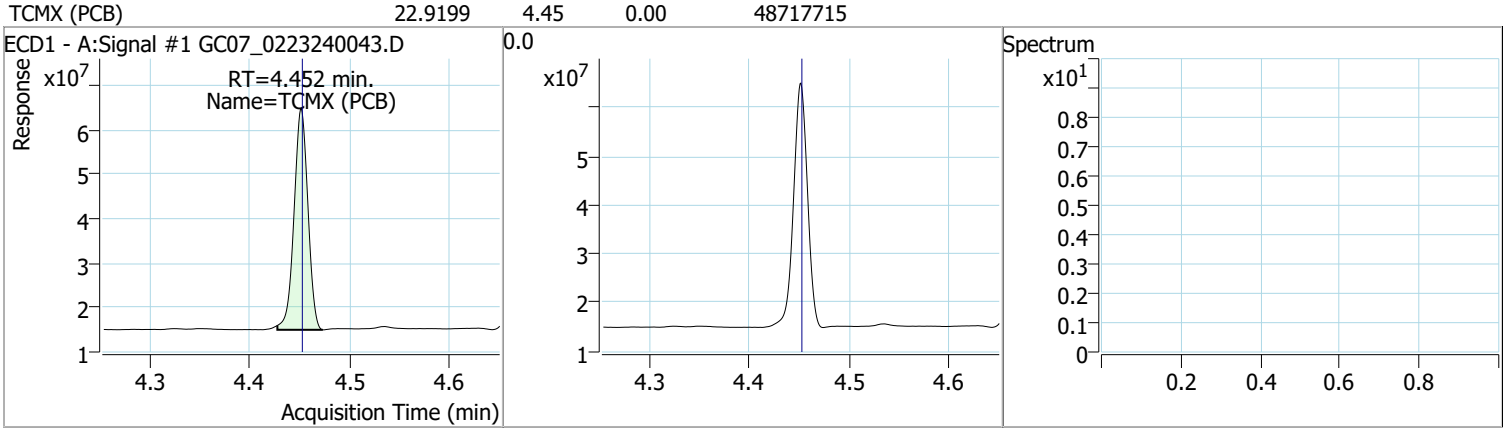




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.688 | 0.0 | 46756663.302 | 20.0000 | ng/ml | -0.002 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 9569534.844 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 48717714.558 | 22.9199 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 114.60% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 11307998.785 | 27.1129 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 135.56% | | |
| S Decachlorobiphenyl (PCB) | 11.134 | 0.0 | 47104953.212 | 25.2126 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 126.06% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.222 | 0.0 | 13665259.885 | 25.0866 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 125.43% | | |
| **Target Compounds** | | | | | | QValue |

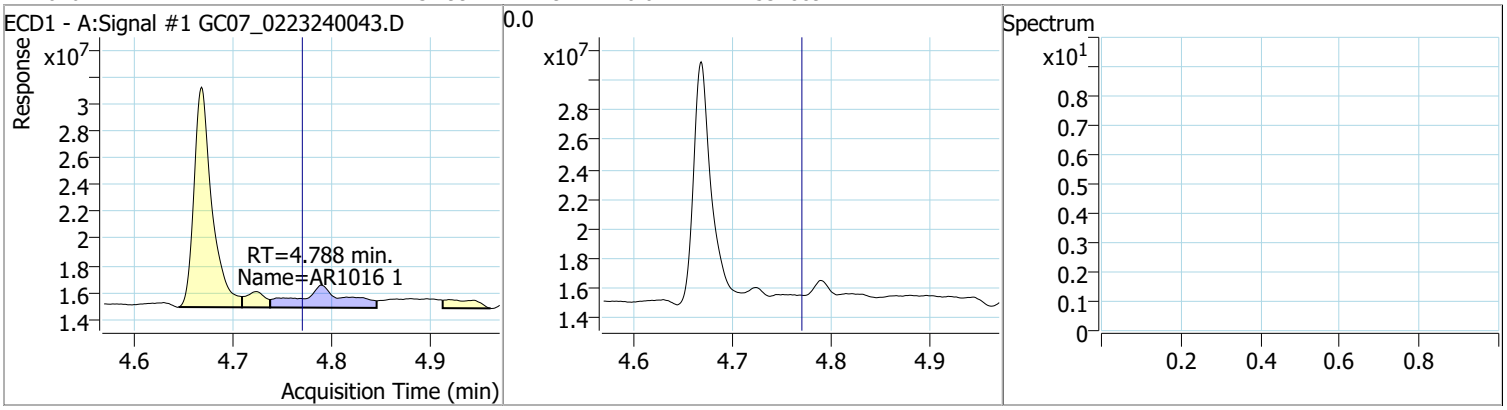
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.788 | 0.0 | 5328893.663 | 113.1994 | ng/ml | 100 |
| T AR1016 2 | 5.011 | 0.0 | 1875187.056 | 22.6270 | ng/ml | 100 |
| T AR1016 1 #2 | 5.235 | 0.0 | 333351.319 | 37.3223 | ng/ml | 100 |
| T AR1016 3 | 5.427 | 0.0 | 36067790.183 | 327.0819 | ng/ml | 100 |
| T AR1016 4 | 5.608 | 0.0 | 36745347.198 | 494.4085 | ng/ml | 100 |
| T AR1016 2 #2 | 5.674 | 0.0 | 1614242.573 | 90.5933 | ng/ml | 100 |
| T AR1016 5 | 5.780 | 0.0 | 50379475.555 | 765.4019 | ng/ml | 100 |
| T AR1016 3 #2 | 6.051 | 0.0 | 2146801.986 | 87.6231 | ng/ml | 100 |
| T AR1016 4 #2 | 6.119 | 0.0 | 1005887.295 | 62.0835 | ng/ml | 100 |
| T AR1016 5 #2 | 6.736 | 0.0 | 161659.530 | 12.3669 | ng/ml | 100 |
| T AR1260 1 | 7.193 | 0.0 | 35374757.222 | 268.0170 | ng/ml | 100 |
| T AR1260 2 | 7.802 | 0.0 | 409349.629 | 1.9343 | ng/ml | 100 |
| T AR1260 3 | 8.219 | 0.0 | 3518959.227 | 14.6818 | ng/ml | 100 |
| T AR1260 1 #2 | 8.874 | 0.0 | 1626037.539 | 53.3177 | ng/ml | 100 |
| T AR1260 4 | 9.107 | 0.0 | 21085771.940 | 156.8557 | ng/ml | 100 |
| T AR1260 2 #2 | 9.378 | 0.0 | 532652.926 | 15.9711 | ng/ml | 100 |
| T AR1260 3 #2 | 10.053 | 0.0 | 3859717.755 | 168.1352 | ng/ml | 100 |
| T AR1260 5 | 9.850 | 0.0 | 14124941.960 | 102.4441 | ng/ml | 100 |
| T AR1260 4 #2 | 10.080 | 0.0 | 53958.088 | 2.0441 | ng/ml | 100 |
| T AR1260 5 #2 | 11.010 | 0.0 | 1913537.934 | 47.9689 | ng/ml | 100 |

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

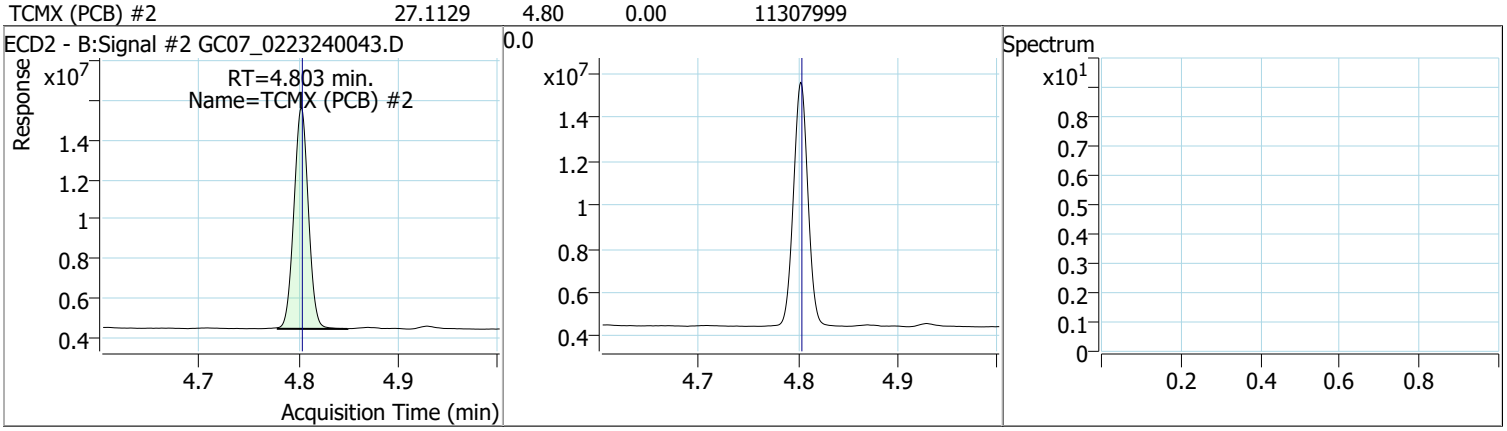
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 22.9199 | 4.45 | 0.00 | 48717715 | | | | |



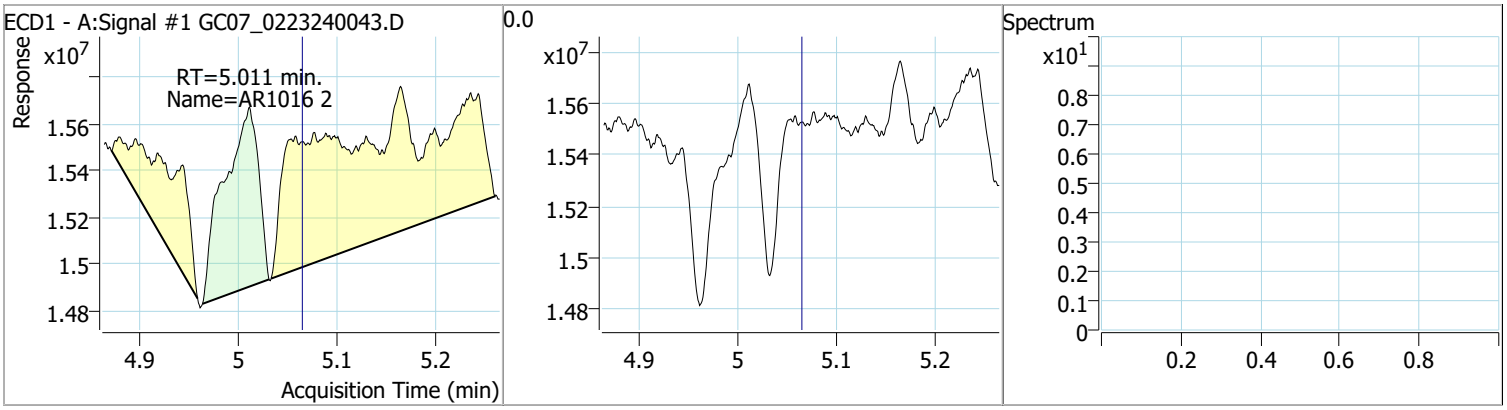

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 113.1994 | 4.79 | 0.02 | 5328894 | | | | |



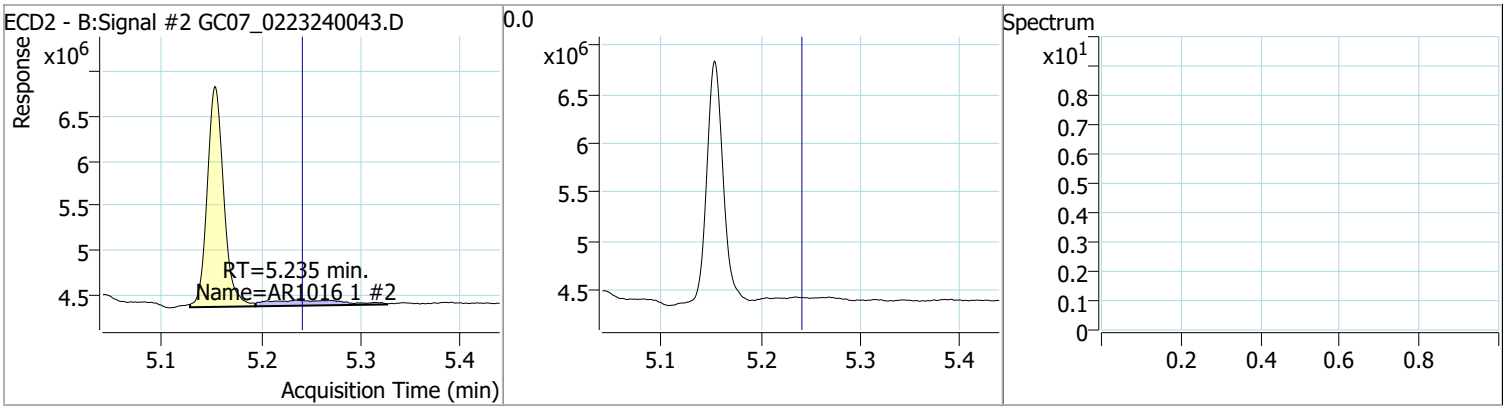

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 27.1129 | 4.80 | 0.00 | 11307999 | | | | |



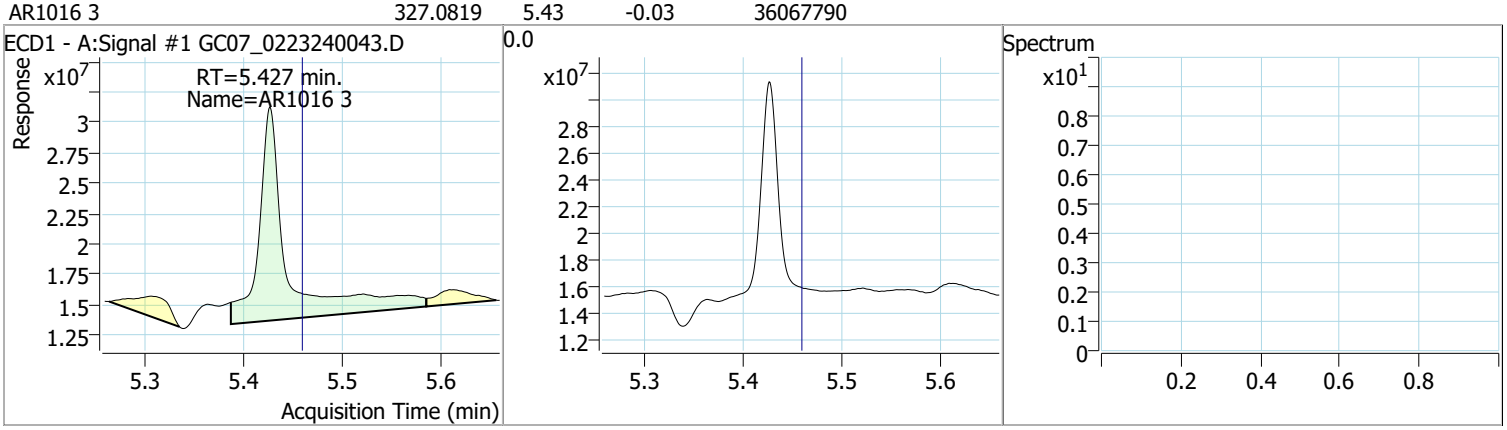

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 22.6270 | 5.01 | -0.05 | 1875187 | | | | |



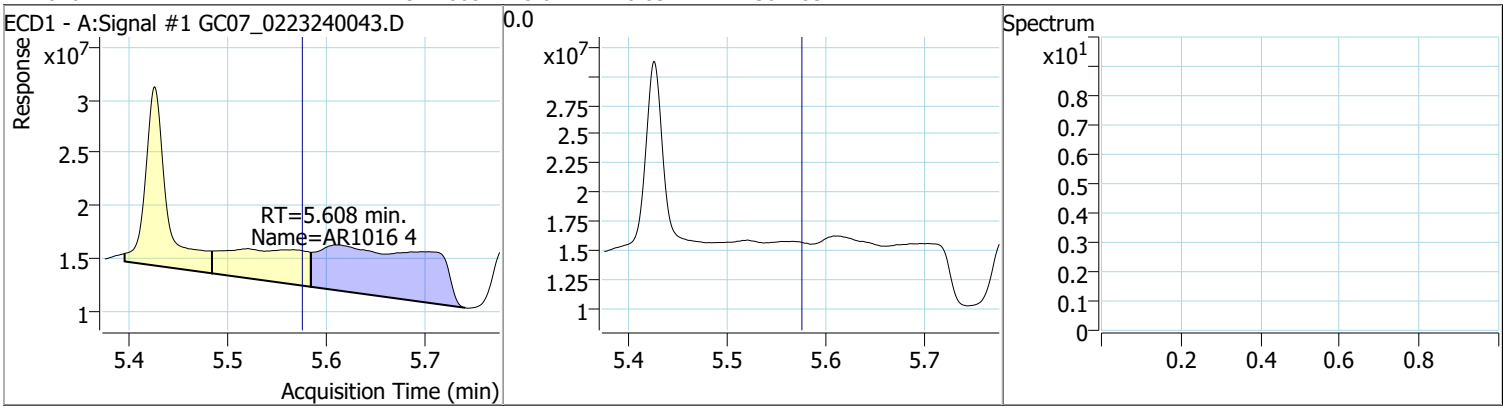
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 37.3223 | 5.24 | 0.00 | 333351 | | | | |



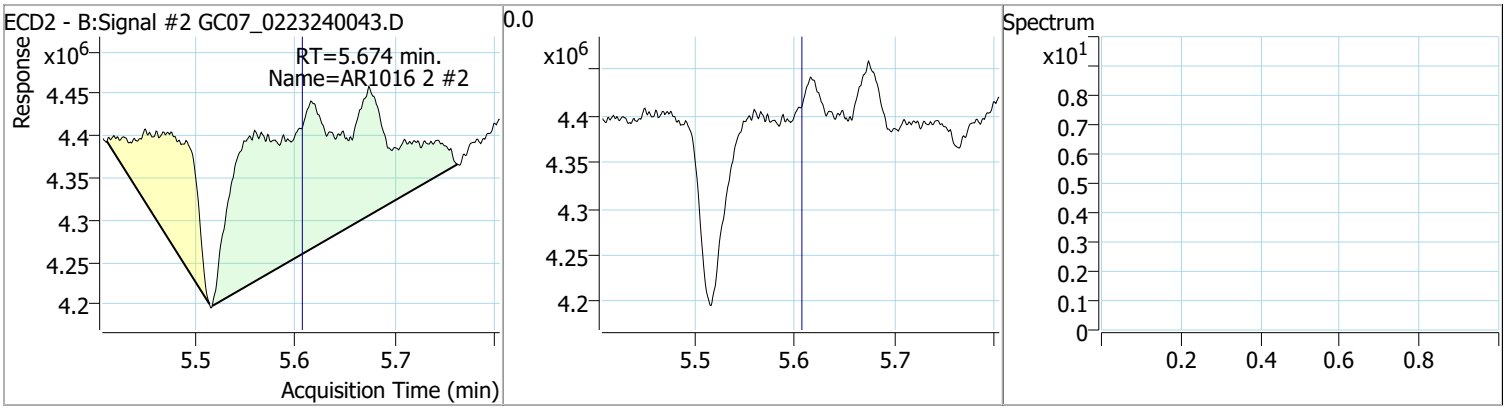

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 327.0819 | 5.43 | -0.03 | 36067790 | | | | |



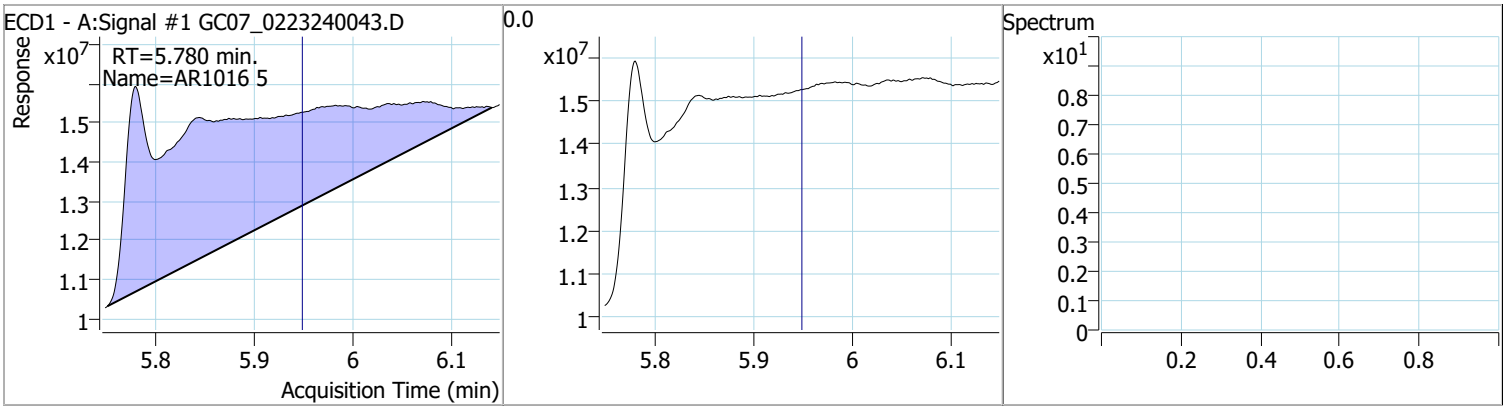

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 494.4085 | 5.61 | 0.03 | 36745347 | | | | |



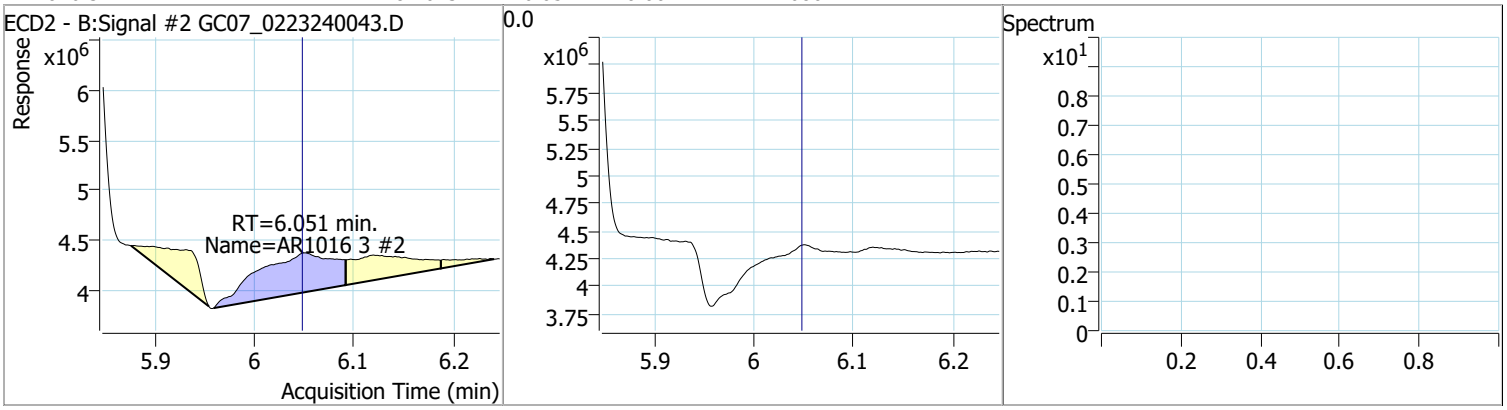

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 90.5933 | 5.67 | 0.07 | 1614243 | | | | |



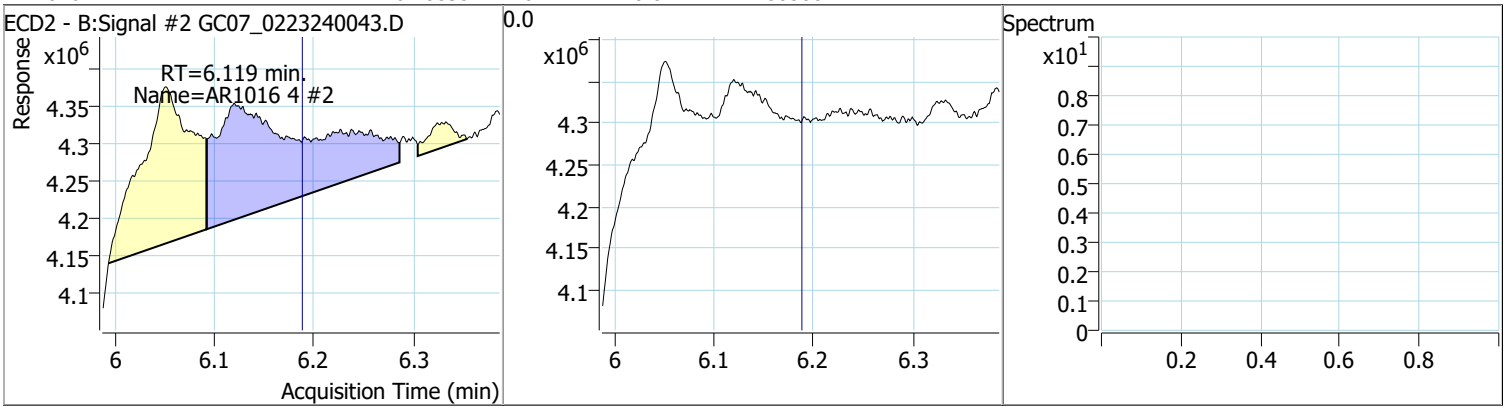
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 765.4019 | 5.78 | -0.17 | 50379476 | | | | |



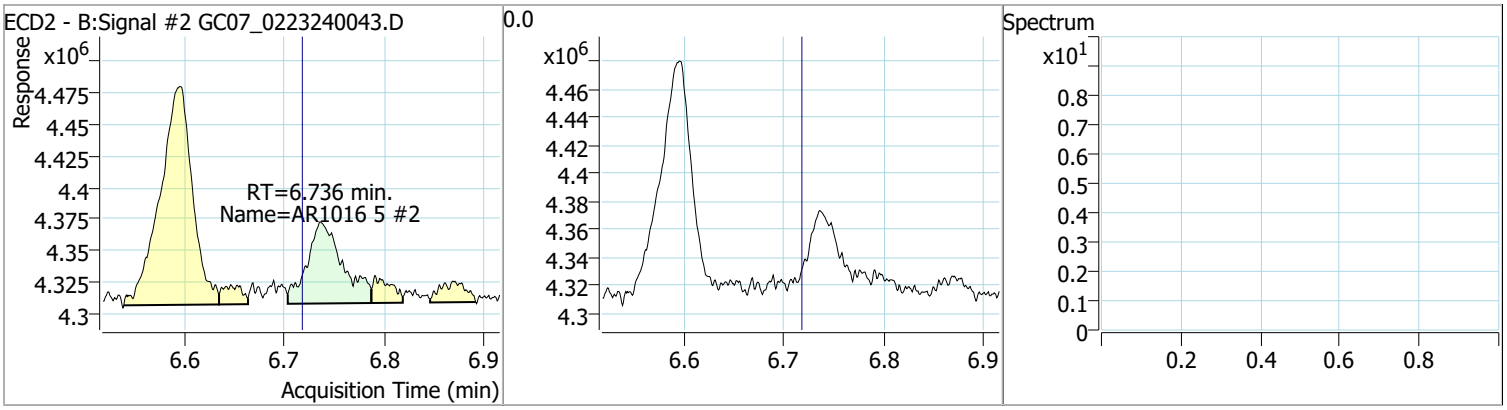

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 87.6231 | 6.05 | 0.00 | 2146802 | | | | |



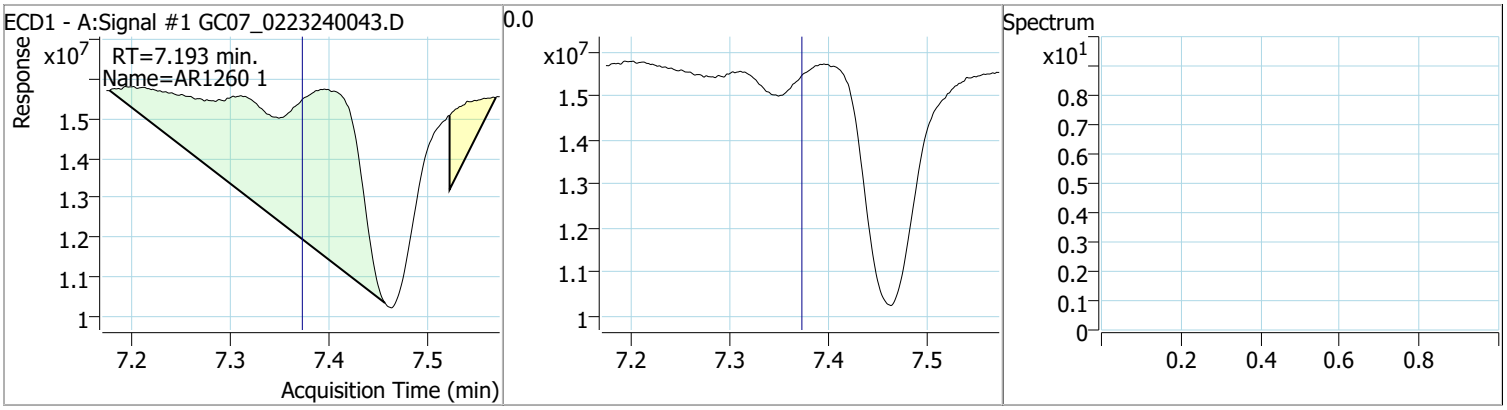

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 62.0835 | 6.12 | -0.07 | 1005887 | | | | |



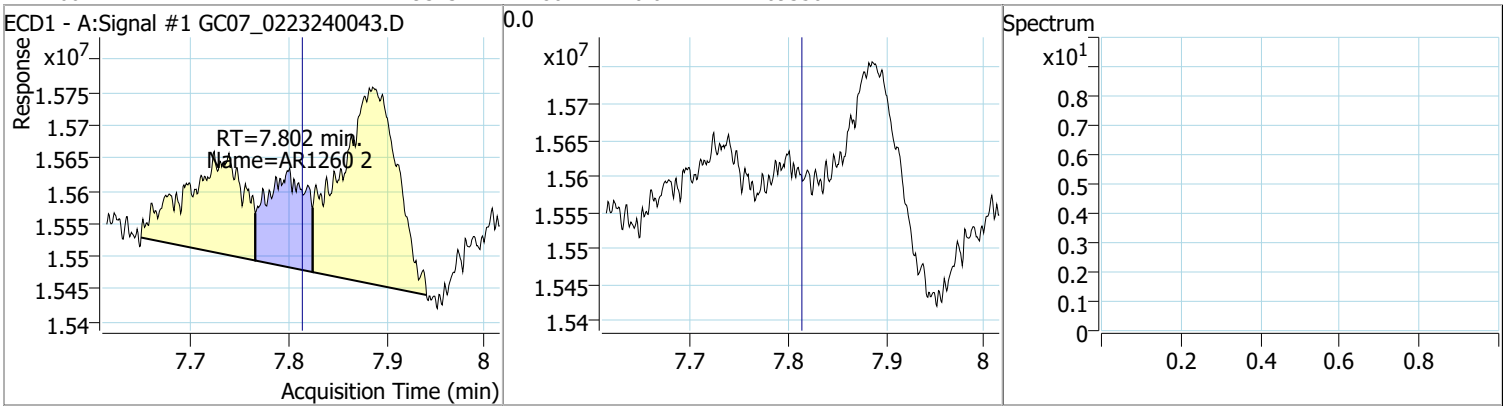

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 12.3669 | 6.74 | 0.02 | 161660 | | | | |



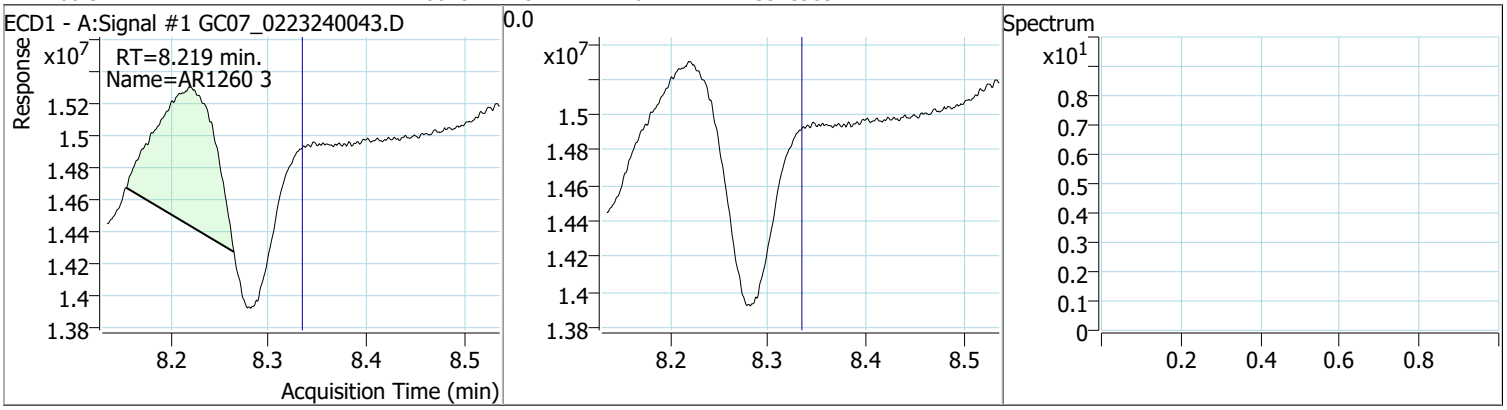
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 268.0170 | 7.19 | -0.18 | 35374757 | | | | |



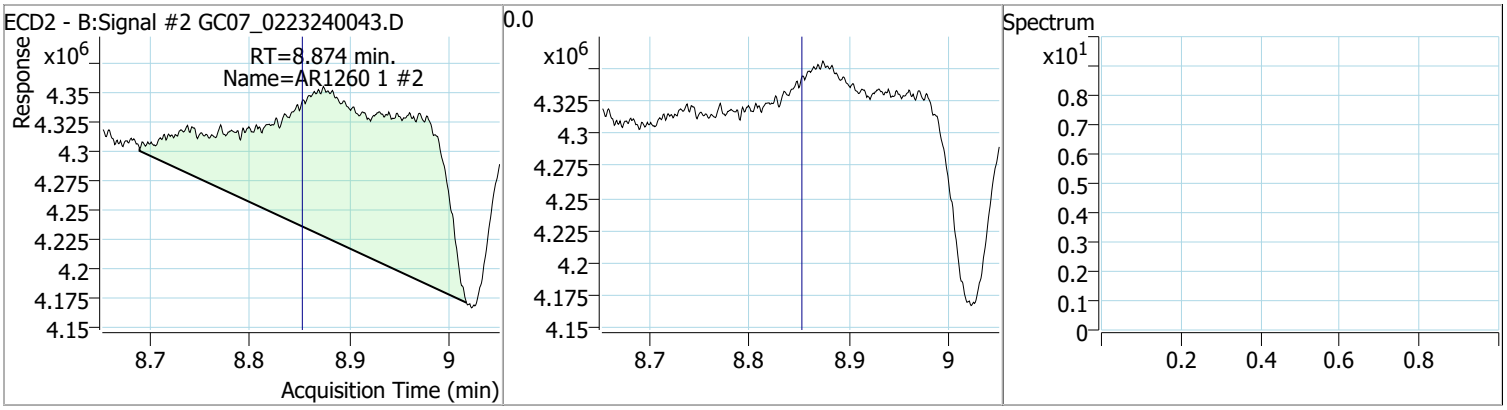

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1.9343 | 7.80 | -0.01 | 409350 | | | | |



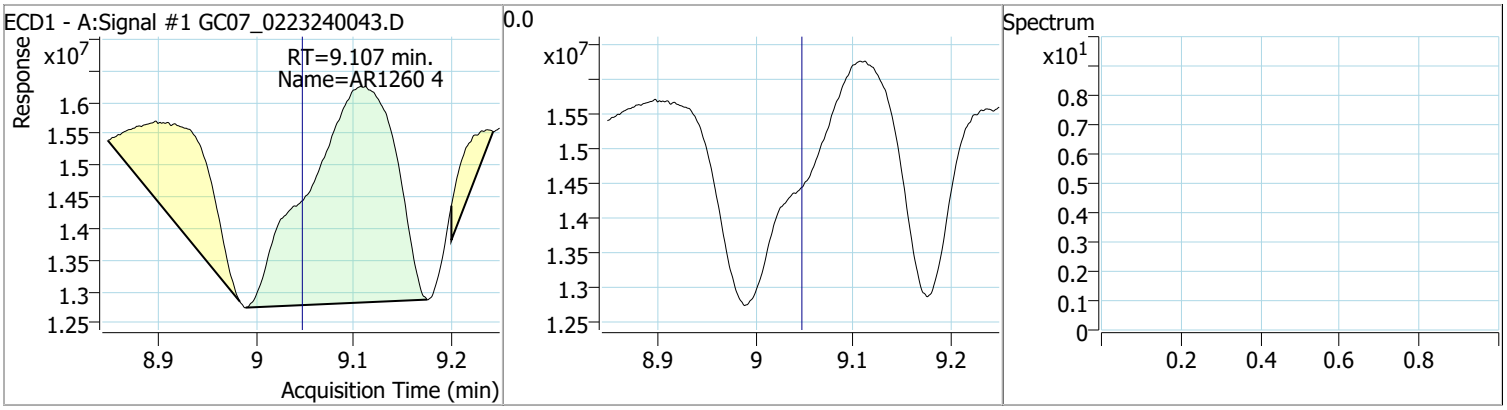

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 14.6818 | 8.22 | -0.12 | 3518959 | | | | |



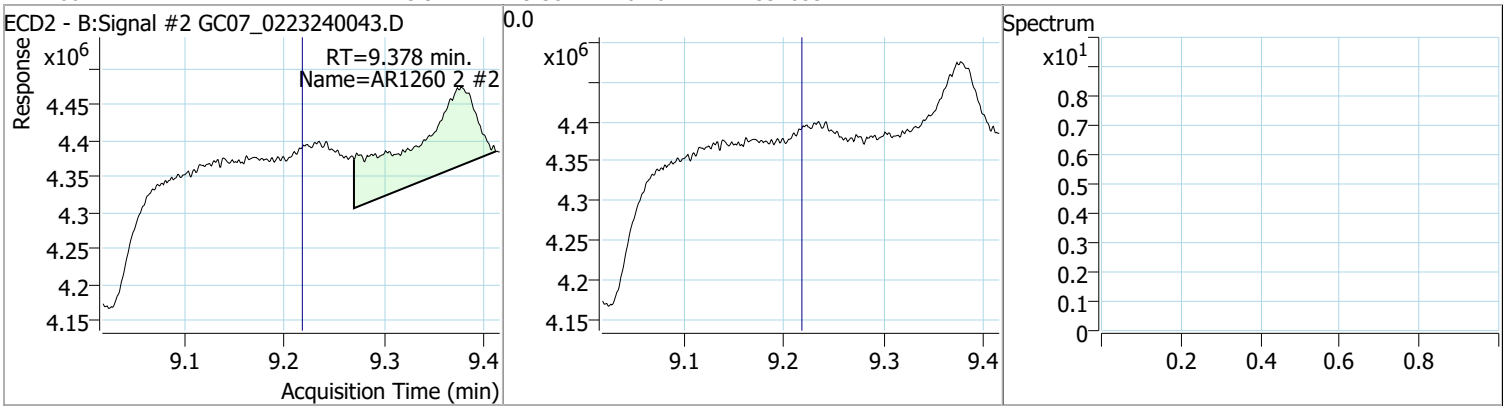

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 53.3177 | 8.87 | 0.02 | 1626038 | | | | |



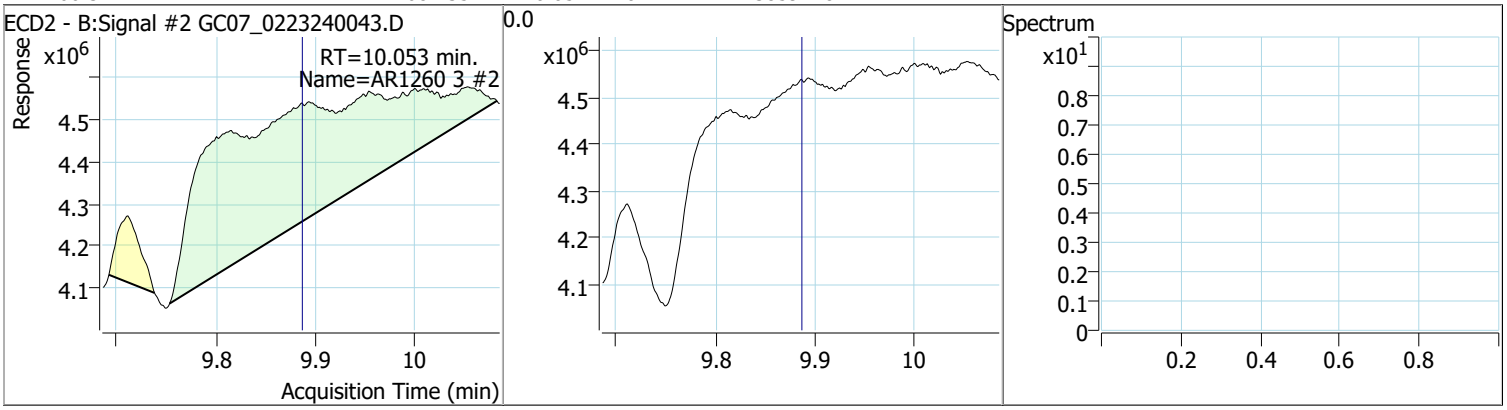
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 156.8557 | 9.11 | 0.06 | 21085772 | | | | |



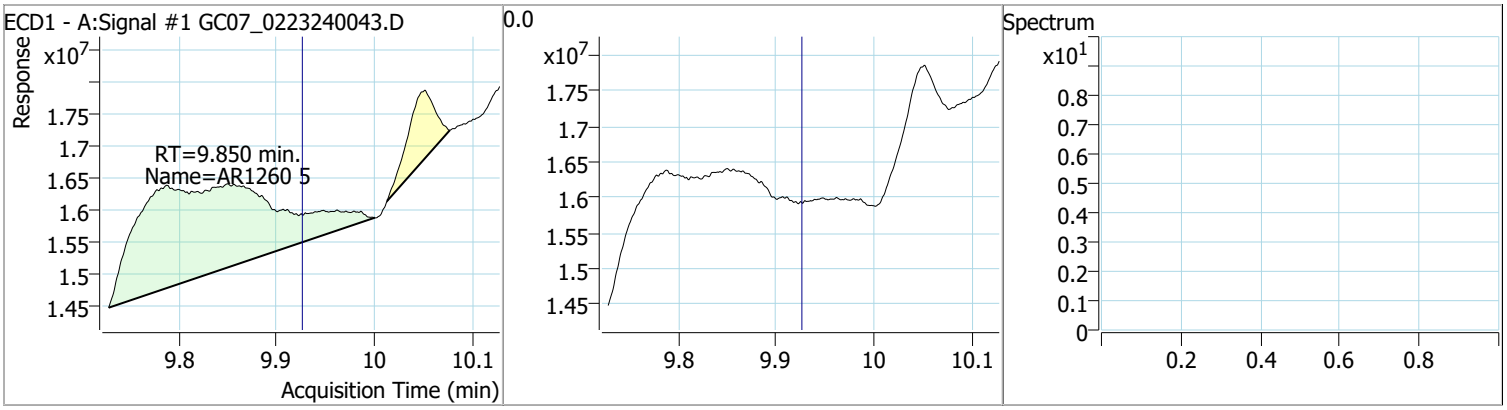

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 15.9711 | 9.38 | 0.16 | 532653 | | | | |



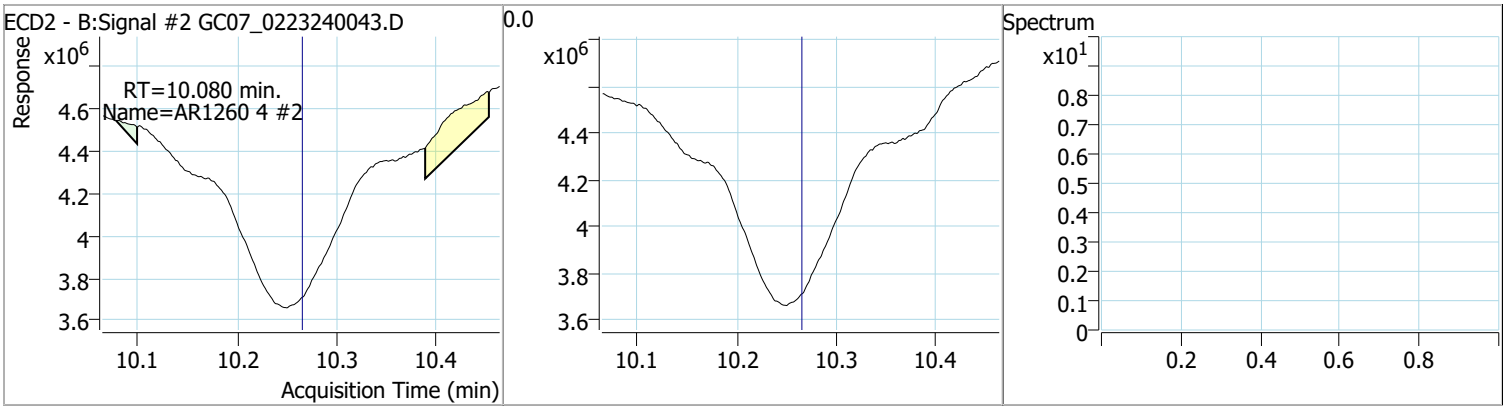

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 168.1352 | 10.05 | 0.17 | 3859718 | | | | |



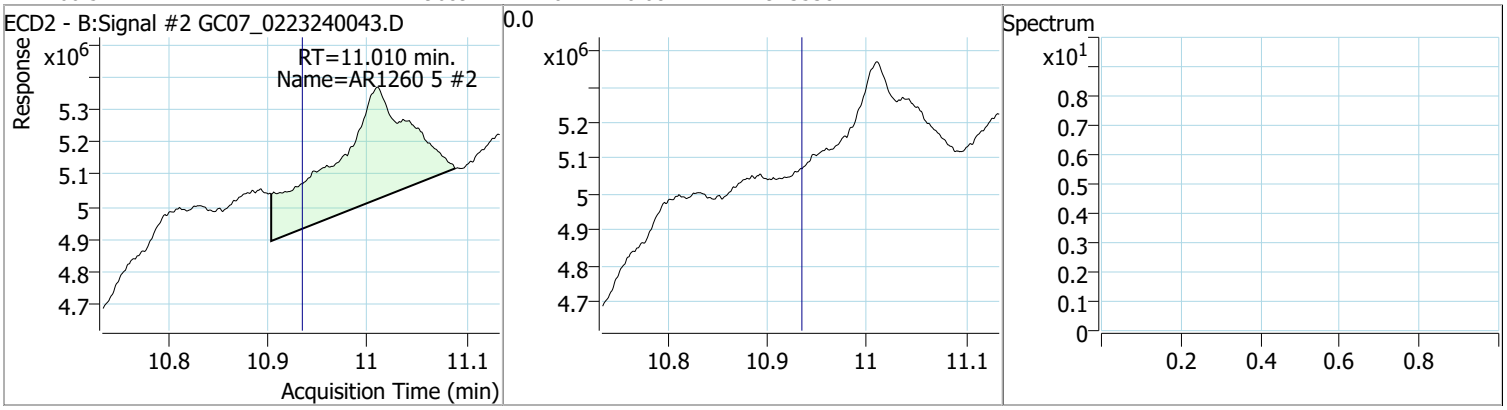

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 102.4441 | 9.85 | -0.08 | 14124942 | | | | |



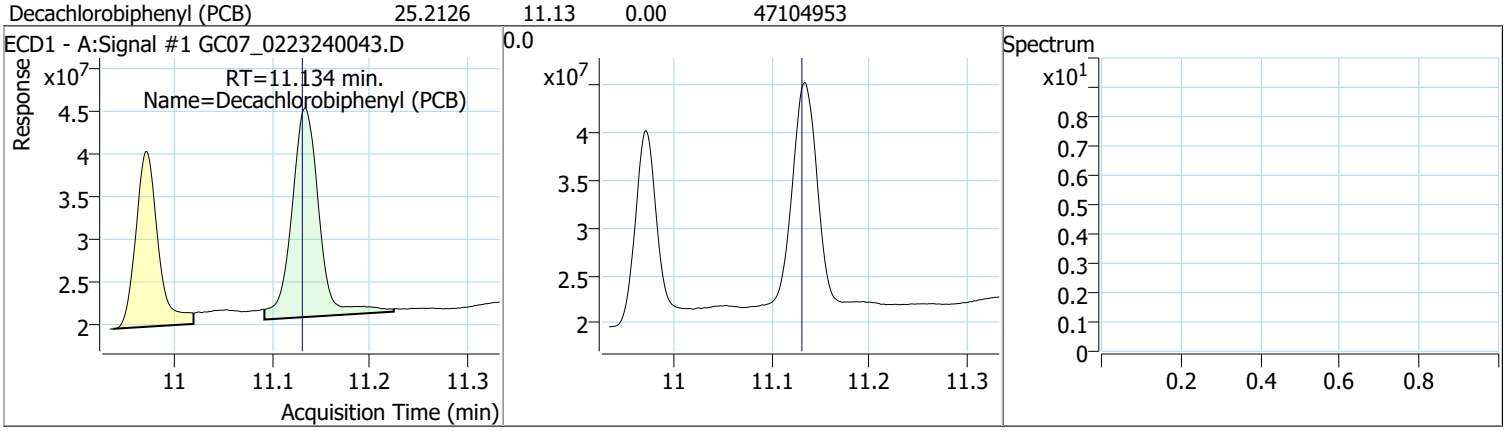
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 2.0441 | 10.08 | -0.18 | 53958 | | | | |



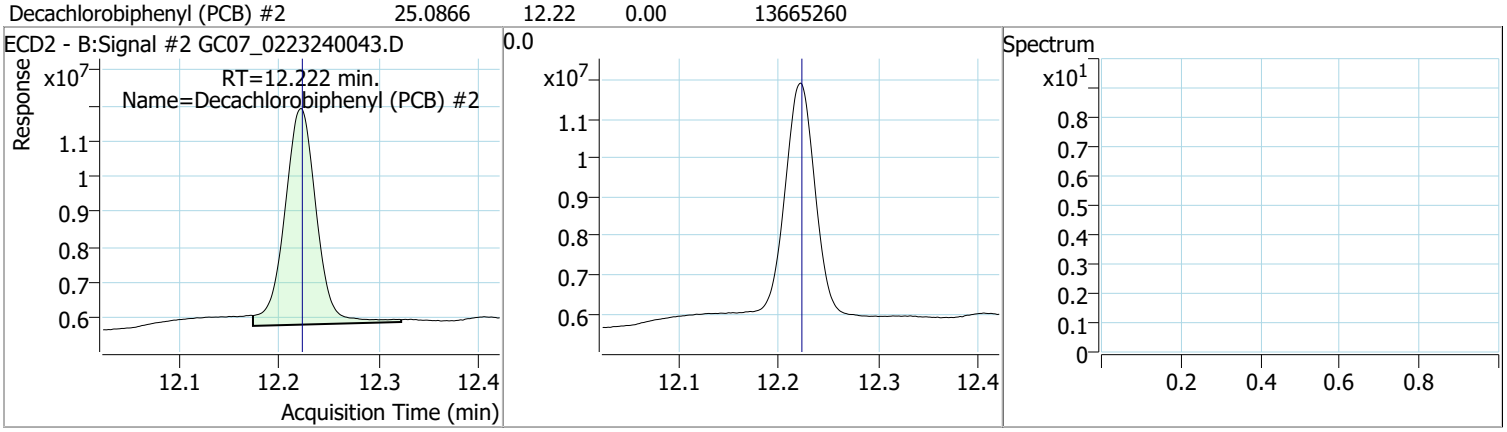

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 47.9689 | 11.01 | 0.08 | 1913538 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 25.2126 | 11.13 | 0.00 | 47104953 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.0866 | 12.22 | 0.00 | 13665260 | | | | |



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | 502501-024 | Client ID: | AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA |
| Seqnum: | 464078296044 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | gc07_0223240044 | Batch: | 333612 | Time: | 23-FEB-2024 20:55 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Blank | Flags |
|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 56.40 | ug/L | ~~0.56~~ FP | 2.1 | 114% | 0.50 | | x u |
| Aroclor-1016 Peak # 1 | B | 77.77 | ug/L | 0.78 | 0.61 | 24% | | | |
| Aroclor-1016 Peak # 2 | B | 54.42 | ug/L | 0.54 | 0.46 | 18% | | | |
| Aroclor-1016 Peak # 3 | B | 128.1 | ug/L | 1.28 | 4.40 | 110% | | | |
| Aroclor-1016 Peak # 4 | B | 20.27 | ug/L | 0.20 | 3.34 | 177% | | | |
| Aroclor-1016 Peak # 5 | B | 1.448 | ug/L | 0.01 | 1.50 | 196% | | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1260** | B | 100.5 | ug/L | ~~1.0~~ FP | 0.67 | 40% | 0.50 | | x u |
| Aroclor-1260 Peak # 1 | B | 24.96 | ug/L | 0.25 | 1.99 | 155% | | | |
| Aroclor-1260 Peak # 2 | B | 6.820 | ug/L | 0.07 | 0.10 | 38% | | | |
| Aroclor-1260 Peak # 3 | B | 169.4 | ug/L | 1.69 | 0.19 | 159% | | | |
| Aroclor-1260 Peak # 4 | B | 299.5 | ug/L | 3.00 | 0.96 | 103% | | | |
| Aroclor-1260 Peak # 5 | B | 1.641 | ug/L | 0.02 | 0.12 | 151% | | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 25.88 | pg/uL | 0.5000 | 0.2588 | 52 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 25.07 | pg/uL | 0.5000 | 0.2507 | 50 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9768864 | 39.89 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 48078683 | 37.80 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | SAMPLE RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

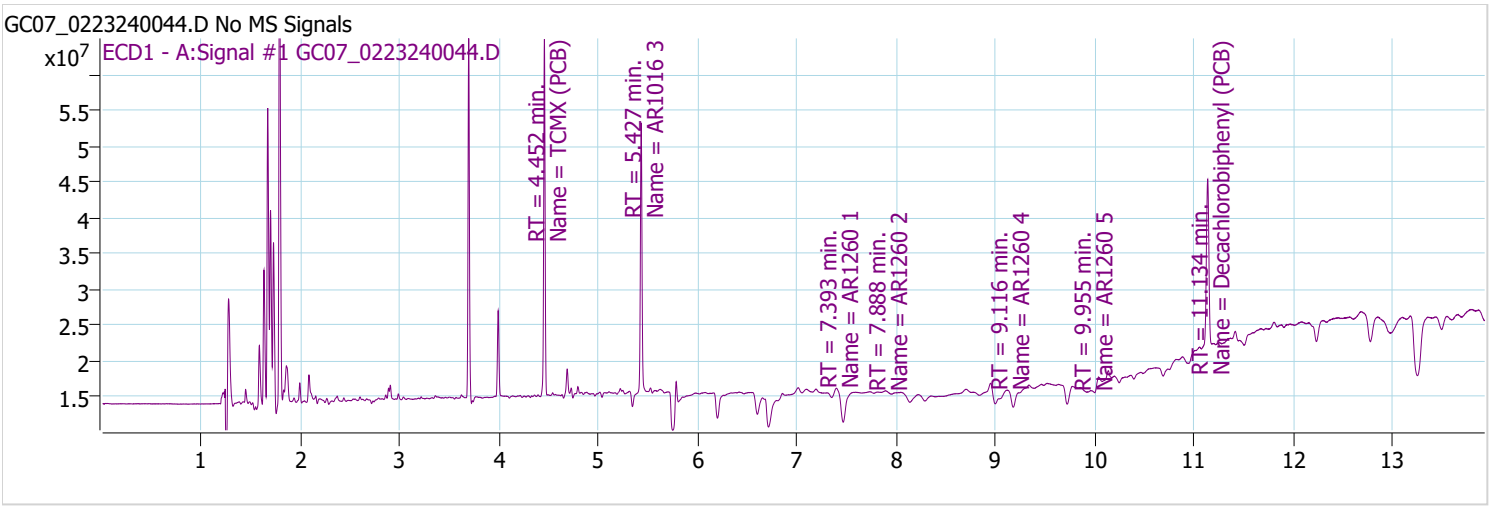
02/24/24 : WIPE/1S-10ML//

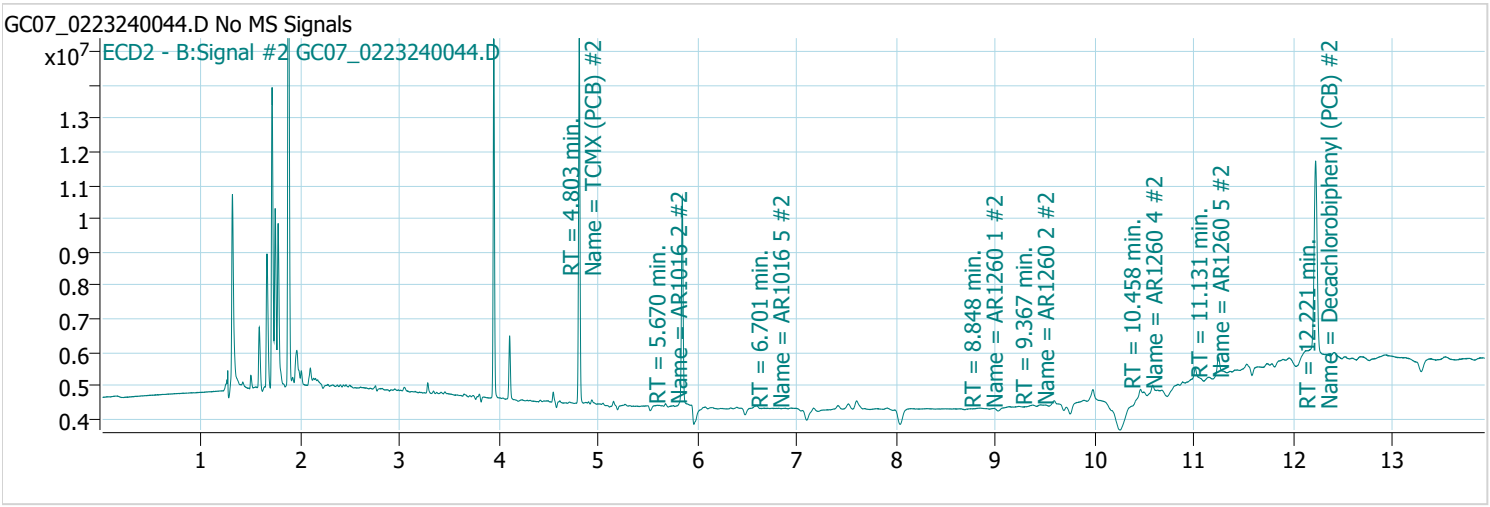
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240044.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 8:55:05 PM |
| Sample Name | 502501-024, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 15 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML// |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



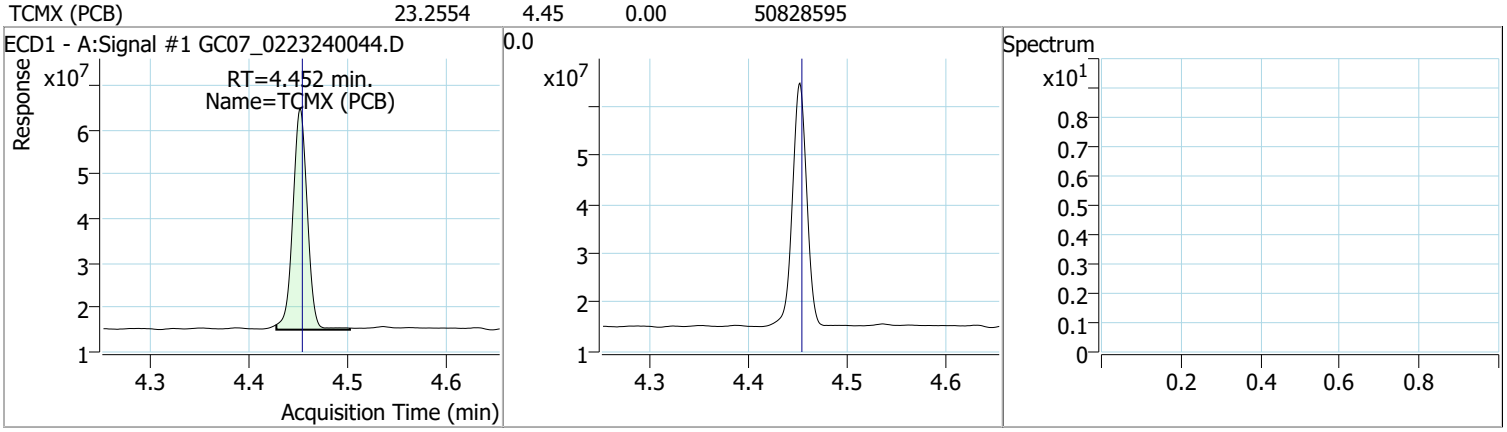




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 48078682.943 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.942 | 0.0 | 9768864.211 | 20.0000 | ng/ml | -0.001 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 50828595.047 | 23.2554 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 116.28% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 11018706.767 | 25.8802 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 129.40% | | |
| S Decachlorobiphenyl (PCB) | 11.134 | 0.0 | 46601803.859 | 24.2574 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 121.29% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.221 | 0.0 | 13939731.909 | 25.0683 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 125.34% | | |
| **Target Compounds** | | | | | | QValue |

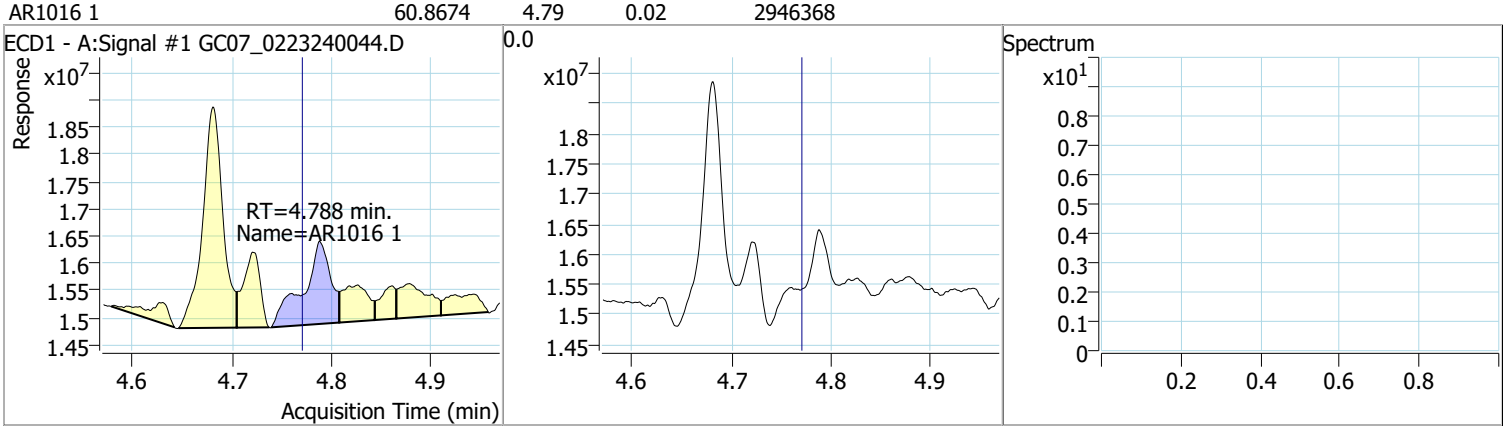
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.788 | 0.0 | 2946368.072 | 60.8674 | ng/ml | 100 |
| T AR1016 2 | 5.103 | 0.0 | 3877811.013 | 45.5051 | ng/ml | 100 |
| T AR1016 1 #2 | 5.263 | 0.0 | 709127.671 | 77.7744 | ng/ml | 100 |
| T AR1016 3 | 5.427 | 0.0 | 49869045.438 | 439.8039 | ng/ml | 100 |
| T AR1016 4 | 5.618 | 0.0 | 25500629.890 | 333.6763 | ng/ml | 100 |
| T AR1016 2 #2 | 5.670 | 0.0 | 989974.409 | 54.4249 | ng/ml | 100 |
| T AR1016 5 | 5.779 | 0.0 | 10153207.324 | 150.0134 | ng/ml | 100 |
| T AR1016 3 #2 | 6.073 | 0.0 | 3203640.171 | 128.0905 | ng/ml | 100 |
| T AR1016 4 #2 | 6.229 | 0.0 | 335225.190 | 20.2680 | ng/ml | 100 |
| T AR1016 5 #2 | 6.701 | 0.0 | 19321.751 | 1.4479 | ng/ml | 100 |
| T AR1260 1 | 7.393 | 0.0 | 26961160.067 | 198.6545 | ng/ml | 100 |
| T AR1260 2 | 7.888 | 0.0 | 2182117.016 | 10.0278 | ng/ml | 100 |
| T AR1260 3 | 8.219 | 0.0 | 4783579.626 | 19.4093 | ng/ml | 100 |
| T AR1260 1 #2 | 8.848 | 0.0 | 776933.680 | 24.9558 | ng/ml | 100 |
| T AR1260 4 | 9.116 | 0.0 | 13281503.596 | 96.0836 | ng/ml | 100 |
| T AR1260 2 #2 | 9.367 | 0.0 | 232175.954 | 6.8195 | ng/ml | 100 |
| T AR1260 3 #2 | 9.978 | 0.0 | 3969539.944 | 169.3909 | ng/ml | 100 |
| T AR1260 5 | 9.955 | 0.0 | 1653783.846 | 11.6646 | ng/ml | 100 |
| T AR1260 4 #2 | 10.458 | 0.0 | 8071524.650 | 299.5417 | ng/ml | 100 |
| T AR1260 5 #2 | 11.131 | 0.0 | 66843.038 | 1.6414 | ng/ml | 100 |

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

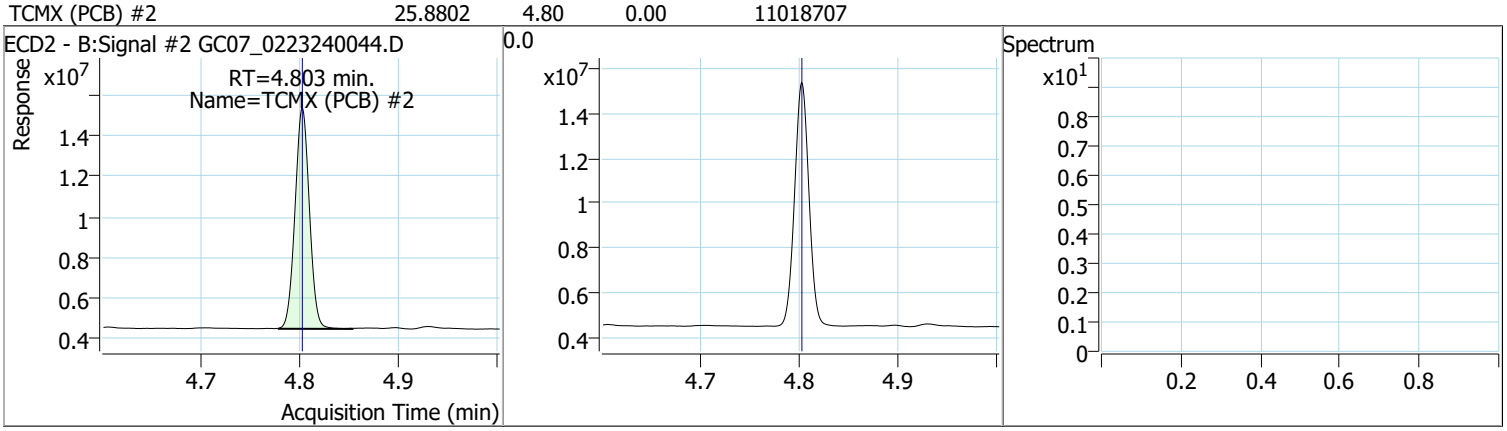
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 23.2554 | 4.45 | 0.00 | 50828595 | | | | |



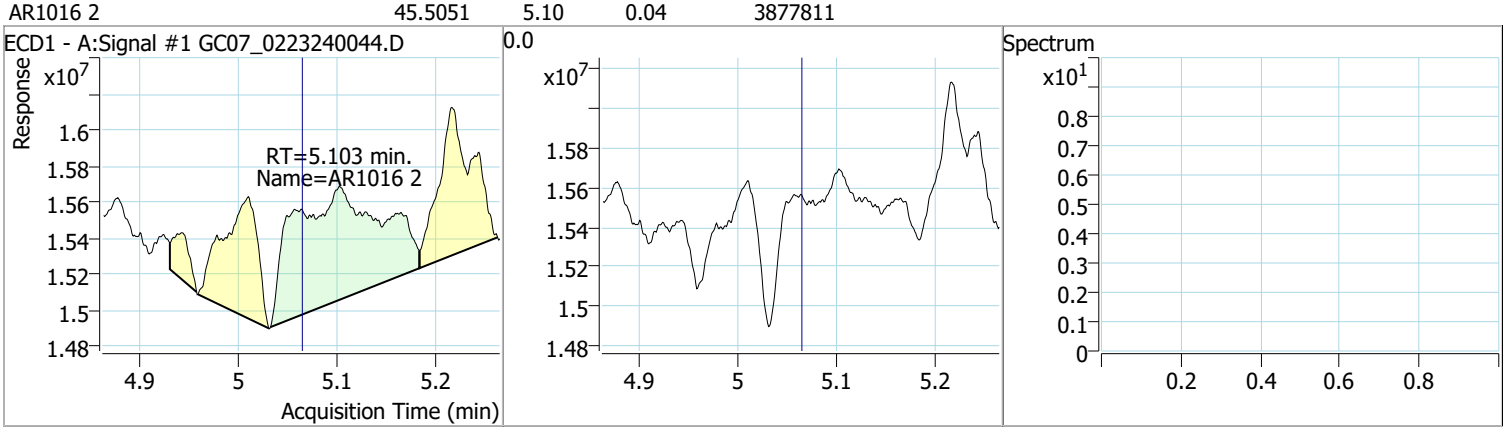

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 60.8674 | 4.79 | 0.02 | 2946368 | | | | |



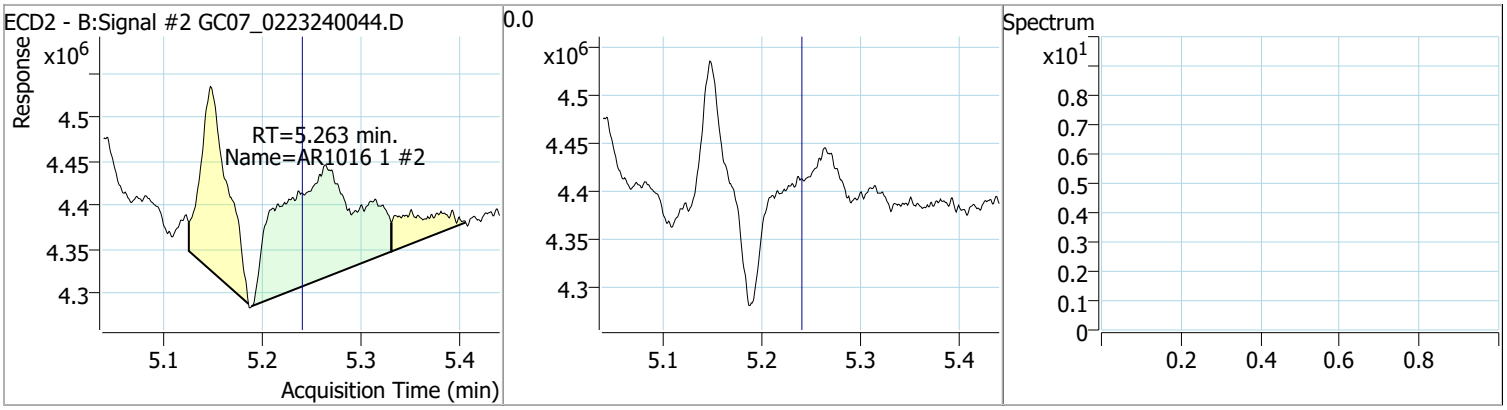

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 25.8802 | 4.80 | 0.00 | 11018707 | | | | |



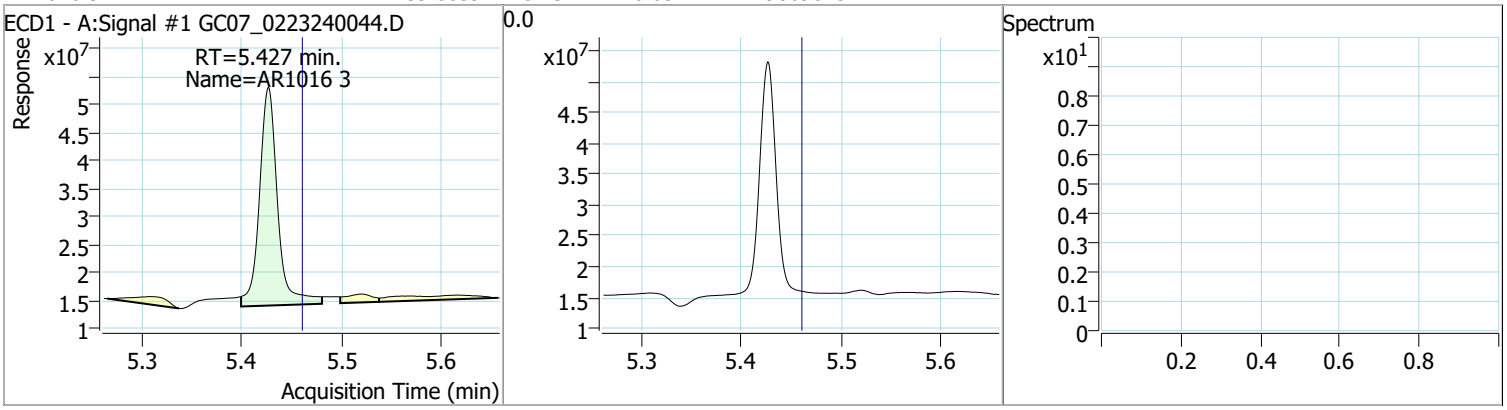

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 45.5051 | 5.10 | 0.04 | 3877811 | | | | |



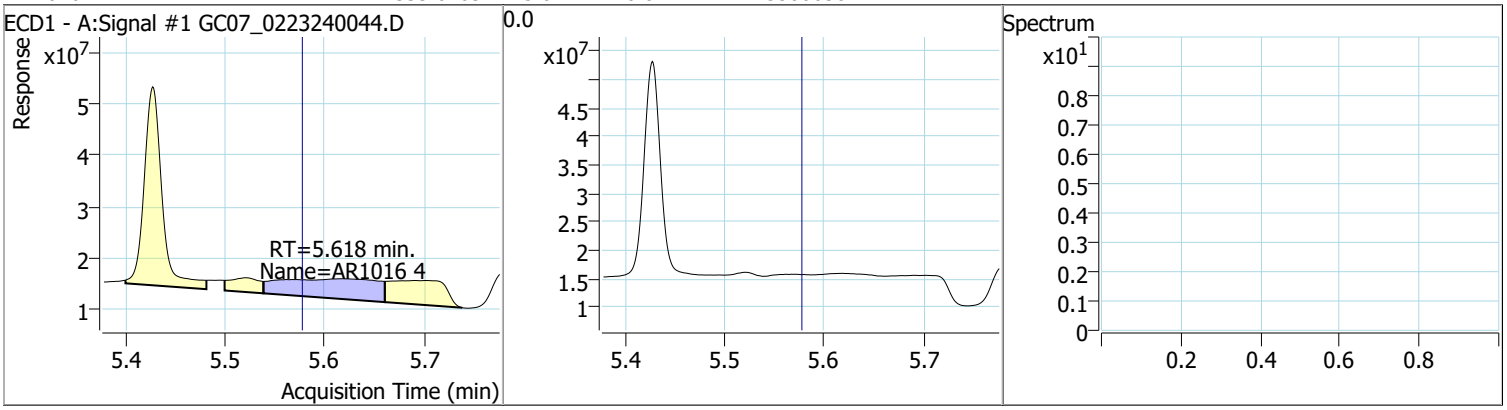
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 77.7744 | 5.26 | 0.02 | 709128 | | | | |



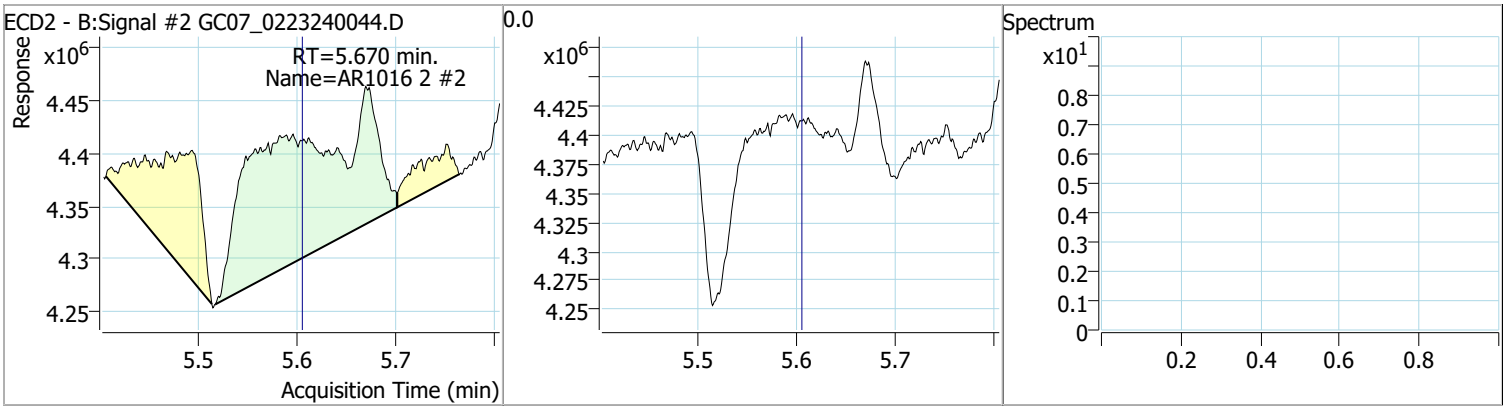

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 439.8039 | 5.43 | -0.03 | 49869045 | | | | |



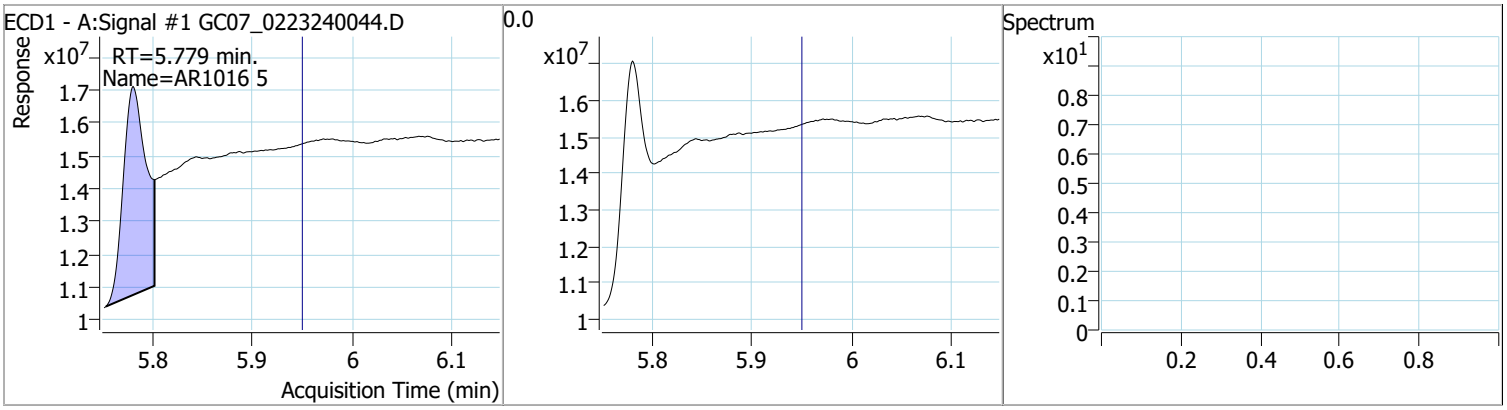

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 333.6763 | 5.62 | 0.04 | 25500630 | | | | |



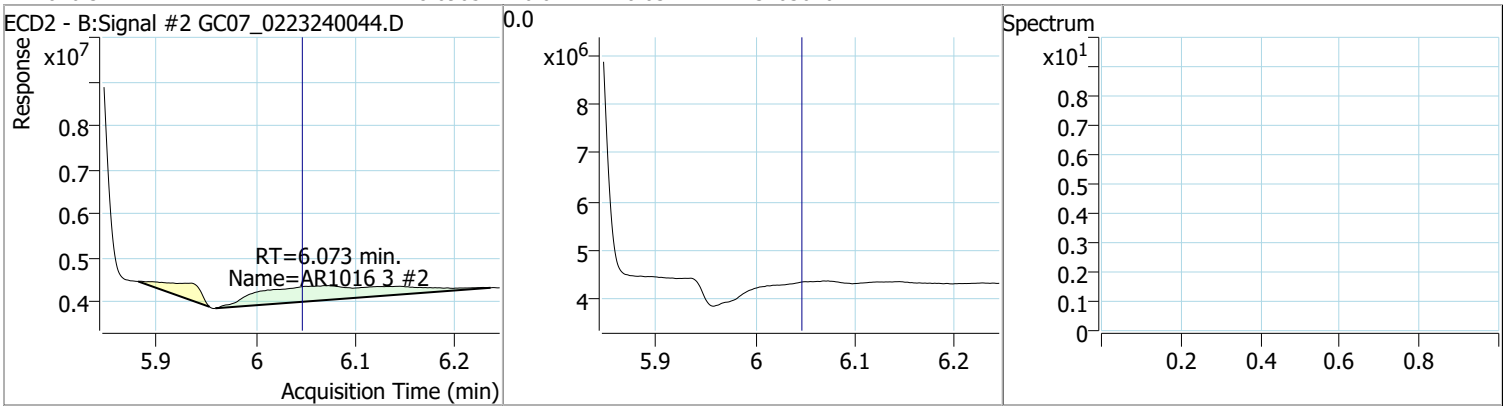

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 54.4249 | 5.67 | 0.06 | 989974 | | | | |



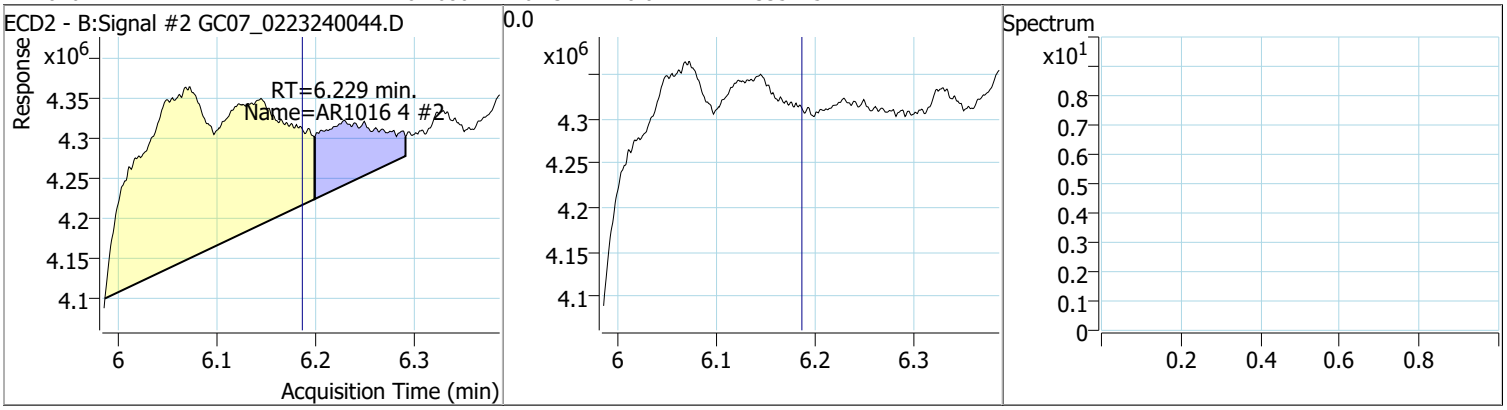
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 150.0134 | 5.78 | -0.17 | 10153207 | | | | |



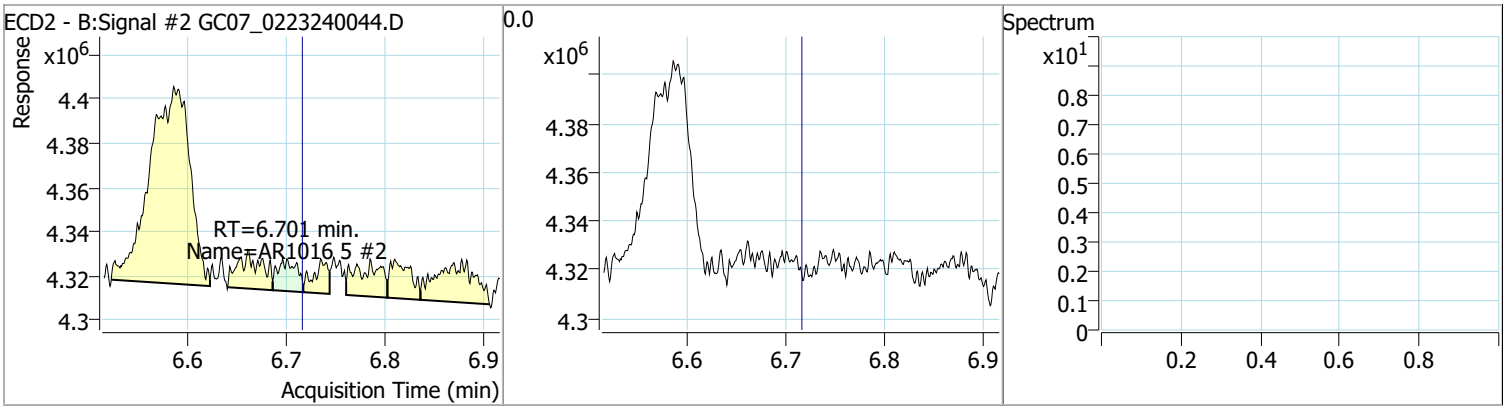

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 128.0905 | 6.07 | 0.03 | 3203640 | | | | |



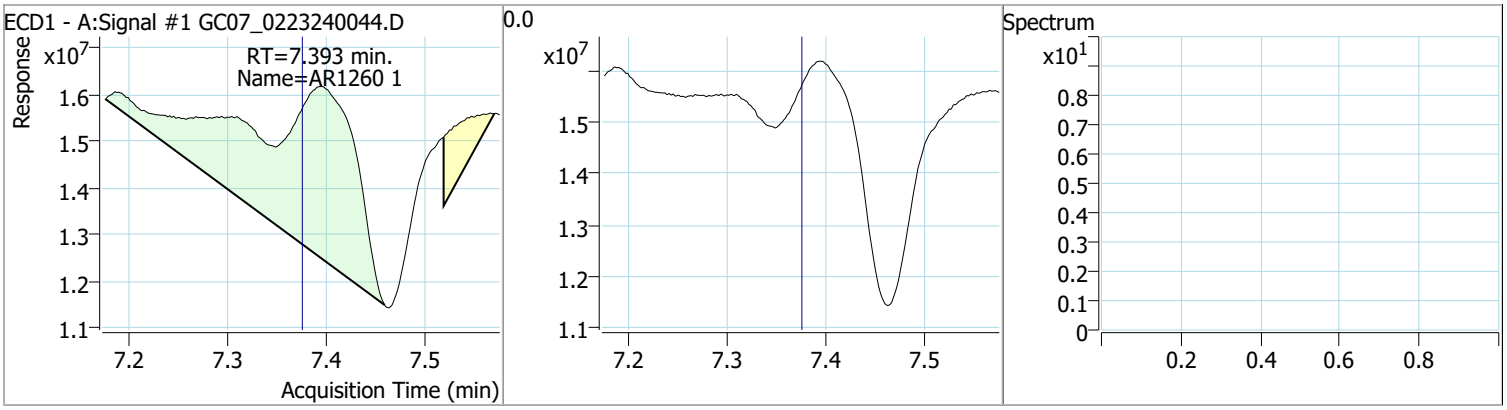

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 20.2680 | 6.23 | 0.04 | 335225 | | | | |



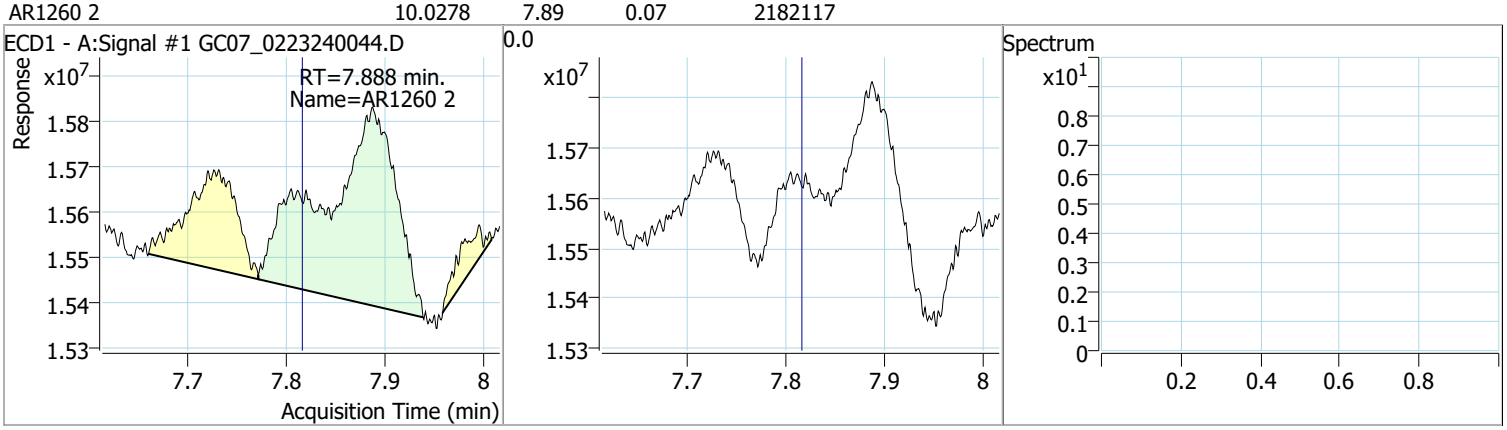

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1.4479 | 6.70 | -0.02 | 19322 | | | | |



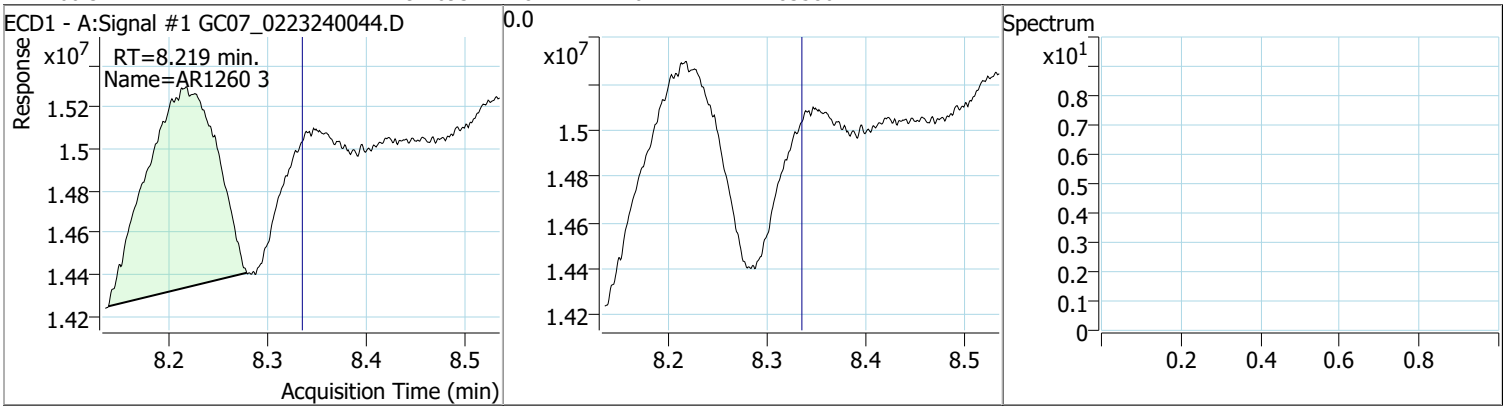
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 198.6545 | 7.39 | 0.02 | 26961160 | | | | |



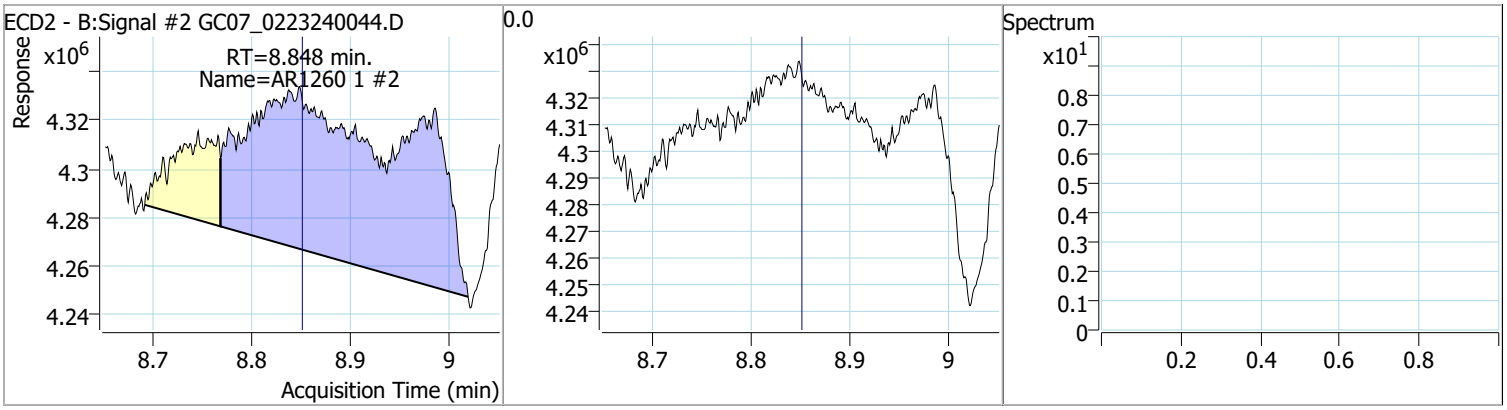

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 10.0278 | 7.89 | 0.07 | 2182117 | | | | |



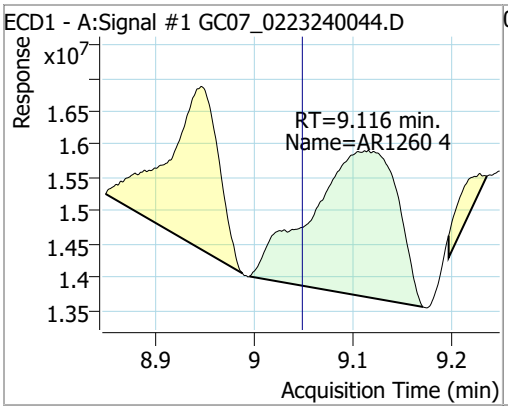

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 19.4093 | 8.22 | -0.12 | 4783580 | | | | |

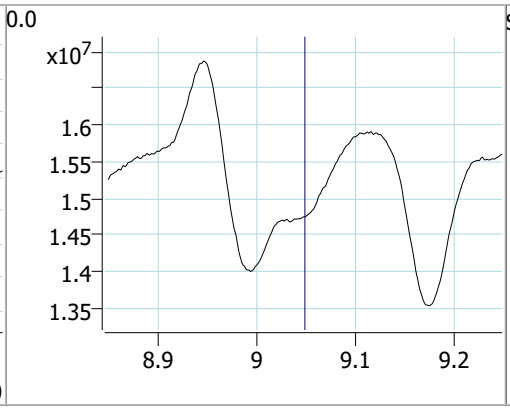


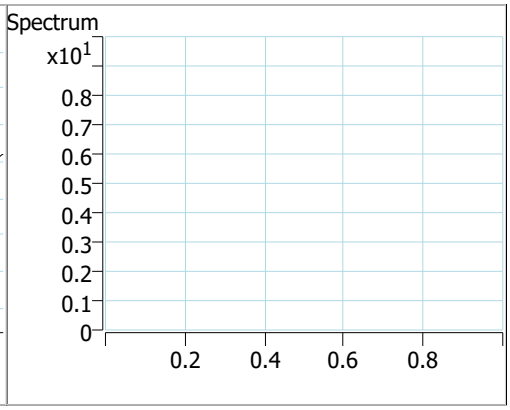

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 24.9558 | 8.85 | 0.00 | 776934 | | | | |



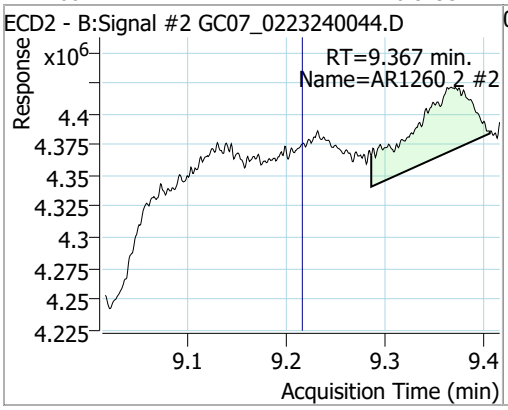
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 96.0836 | 9.12 | 0.07 | 13281504 | | | | |

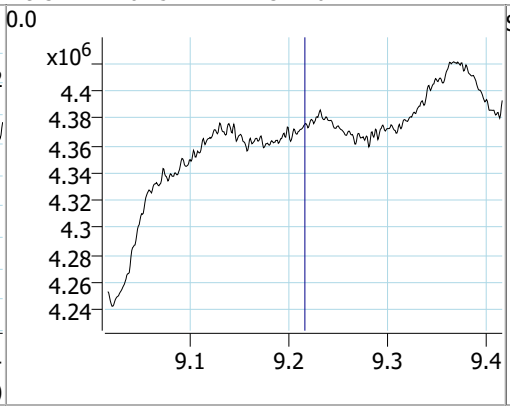


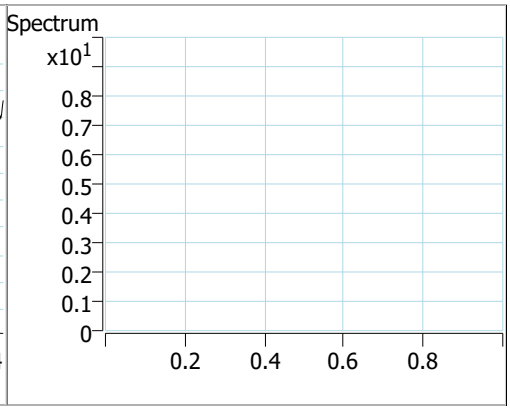



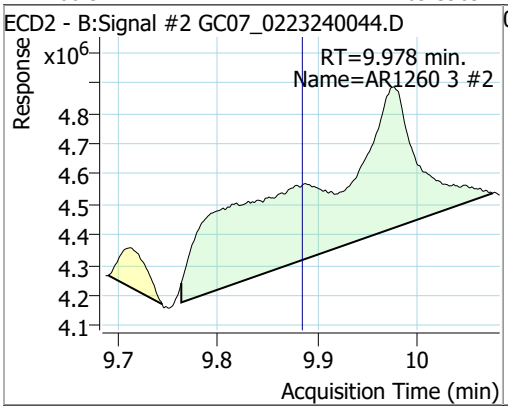

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 6.8195 | 9.37 | 0.15 | 232176 | | | | |

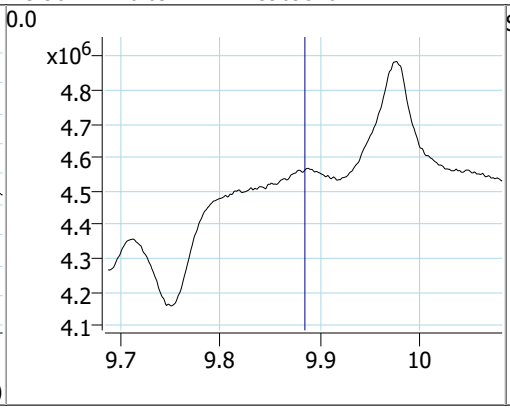


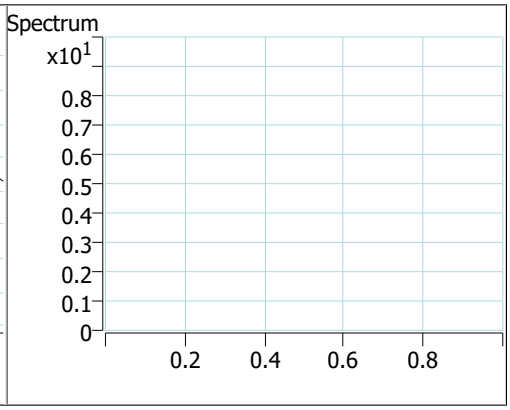



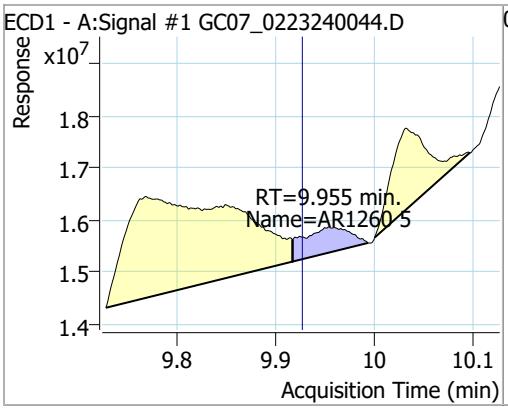

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 169.3909 | 9.98 | 0.09 | 3969540 | | | | |

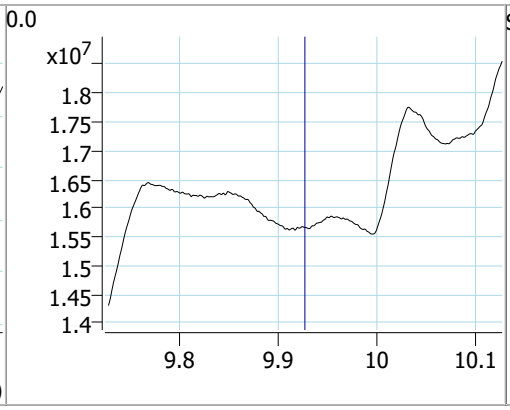


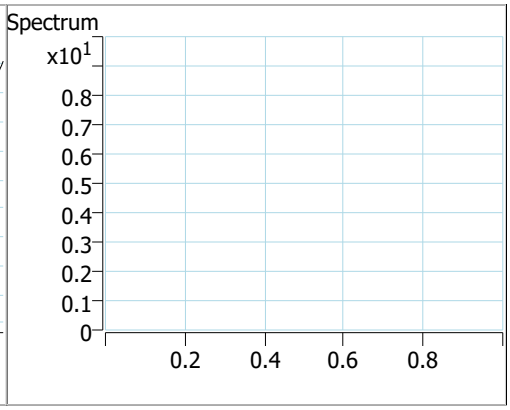



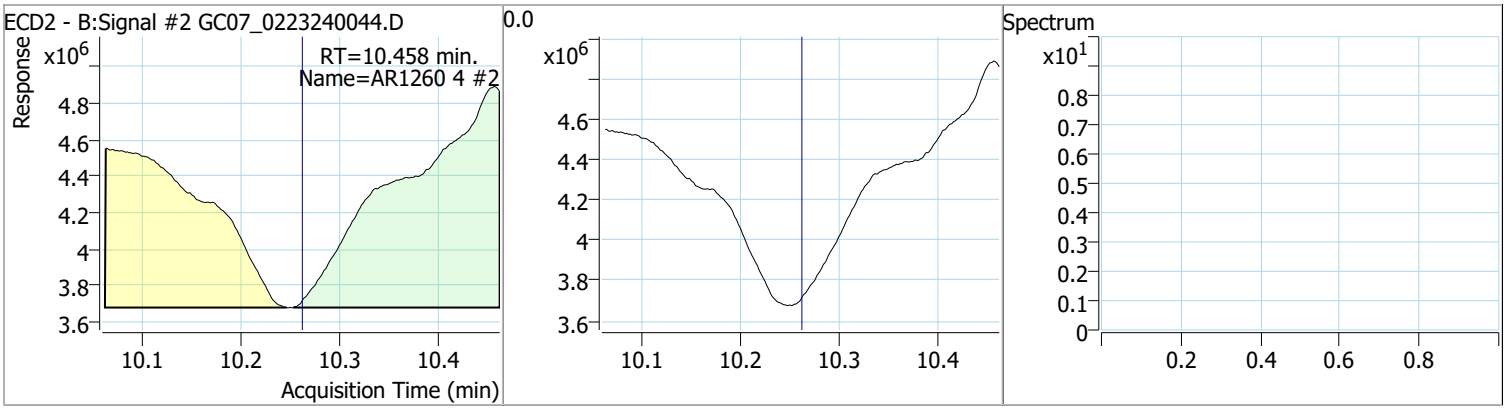

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 11.6646 | 9.96 | 0.03 | 1653784 | | | | |



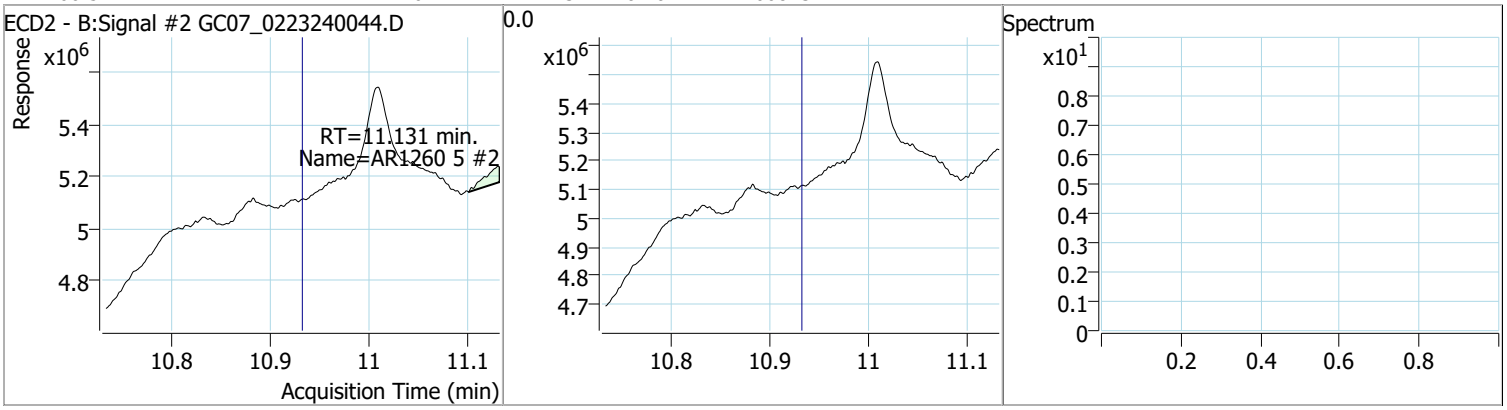



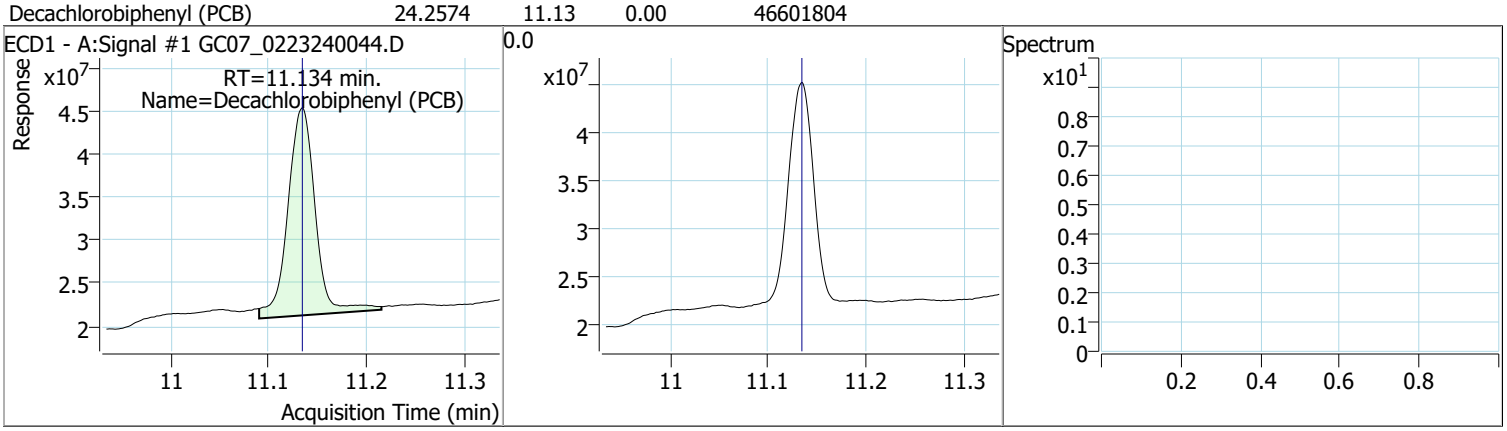
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 299.5417 | 10.46 | 0.19 | 8071525 | | | | |



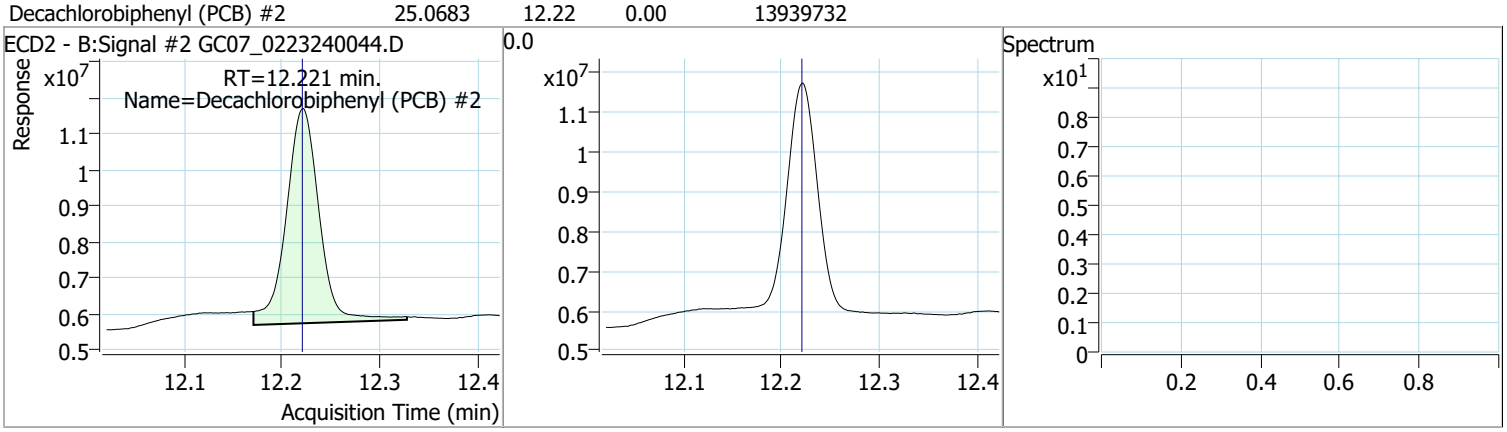

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 1.6414 | 11.13 | 0.20 | 66843 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 24.2574 | 11.13 | 0.00 | 46601804 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.0683 | 12.22 | 0.00 | 13939732 | | | | |



**QC Raw Data**

ENTHALPY BLANK USER REPORT FOR 502501 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Lab ID: | QC1130128 | | |
| Seqnum: | 464078296023.1 | Matrix: | Wipe | | |
| File: | gc07_0223240023 | Batch: | 333612 | Time: | 23-FEB-2024 14:49 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |
| IDF: | 1.0 | | | Units: | ug/dm2 |

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Ch | Raw | Raw Units | Result | Conf | RPD | RL | Flags |
|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | B | 71.36 | ug/L | ~~0.71~~ ~~FP~~ | 4.0 | 139% | 0.50 | x u |
| Aroclor-1016 Peak # 1 | B | 72.12 | ug/L | 0.72 | 1.23 | 52% | | |
| Aroclor-1016 Peak # 2 | B | 66.04 | ug/L | 0.66 | 0.35 | 62% | | |
| Aroclor-1016 Peak # 3 | B | 71.00 | ug/L | 0.71 | 1.69 | 82% | | |
| Aroclor-1016 Peak # 4 | B | 143.4 | ug/L | 1.43 | 7.91 | 139% | | |
| Aroclor-1016 Peak # 5 | B | 4.262 | ug/L | 0.04 | 8.64 | 198% | | |
| **Aroclor-1221** | B | | | ND | | | 0.50 | u |
| **Aroclor-1232** | B | | | ND | | | 0.50 | u |
| **Aroclor-1242** | B | | | ND | | | 0.50 | u |
| **Aroclor-1248** | B | | | ND | | | 0.50 | u |
| **Aroclor-1254** | B | | | ND | | | 0.50 | u |
| **Aroclor-1260** | B | 14.46 | ug/L | ND | 0.75 | 136% | 0.50 | u |
| Aroclor-1260 Peak # 1 | B | 6.878 | ug/L | 0.07 | 2.33 | 189% | | |
| Aroclor-1260 Peak # 2 | B | 33.87 | ug/L | 0.34 | 0.01 | 186% | | |
| Aroclor-1260 Peak # 3 | B | 18.81 | ug/L | 0.19 | 0.13 | 40% | | |
| Aroclor-1260 Peak # 4 | B | 1.112 | ug/L | 0.01 | 1.19 | 196% | | |
| Aroclor-1260 Peak # 5 | B | 11.65 | ug/L | 0.12 | 0.11 | 2% | | |
| **Aroclor-1262** | B | | | ND | | | 0.50 | u |
| **Aroclor-1268** | B | | | ND | | | 0.50 | u |

| Surrogate | Ch | Raw | Raw Units | Spiked | Result | %Rec | Limits | Flags |
|---|---|---|---|---|---|---|---|---|
| **TCMX (PCB)** | B | 31.43 | pg/uL | 0.5000 | 0.3143 | 63 | 19-121 | c- u |
| **Decachlorobiphenyl (PCB)** | B | 26.26 | pg/uL | 0.5000 | 0.2626 | 53 | 19-121 | c- u |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | BLANK Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9177448 | 31.42 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 46015655 | 31.89 |

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

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | BLANK RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

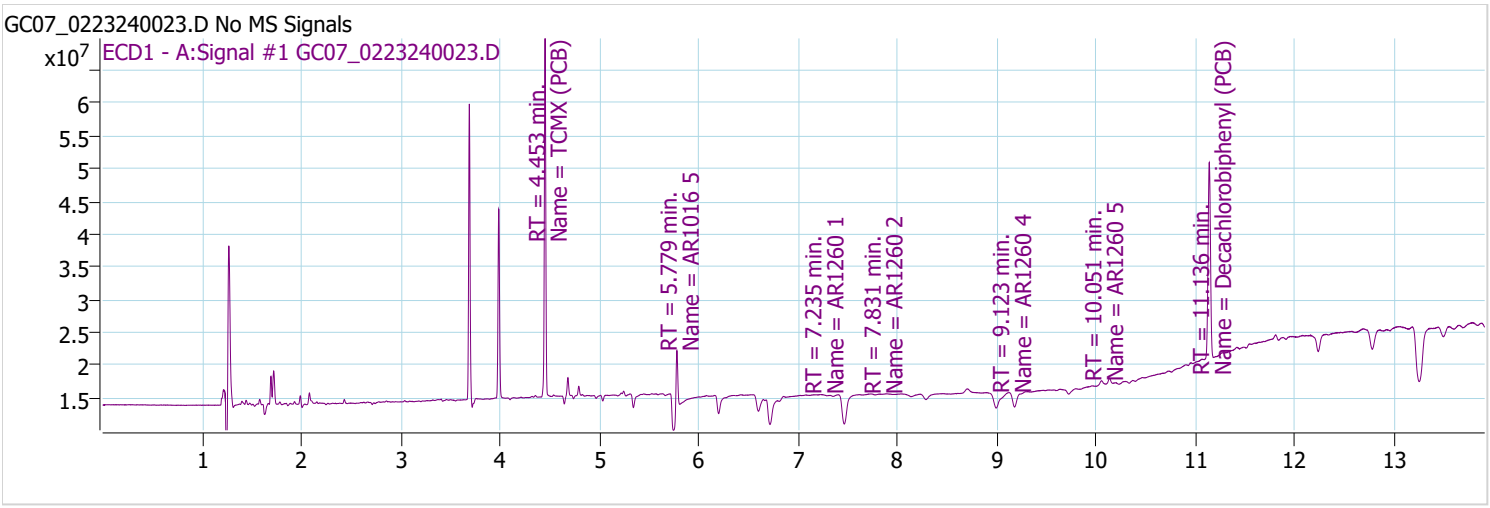
02/24/24 : WIPE/1S-10ML//SOX [general version]

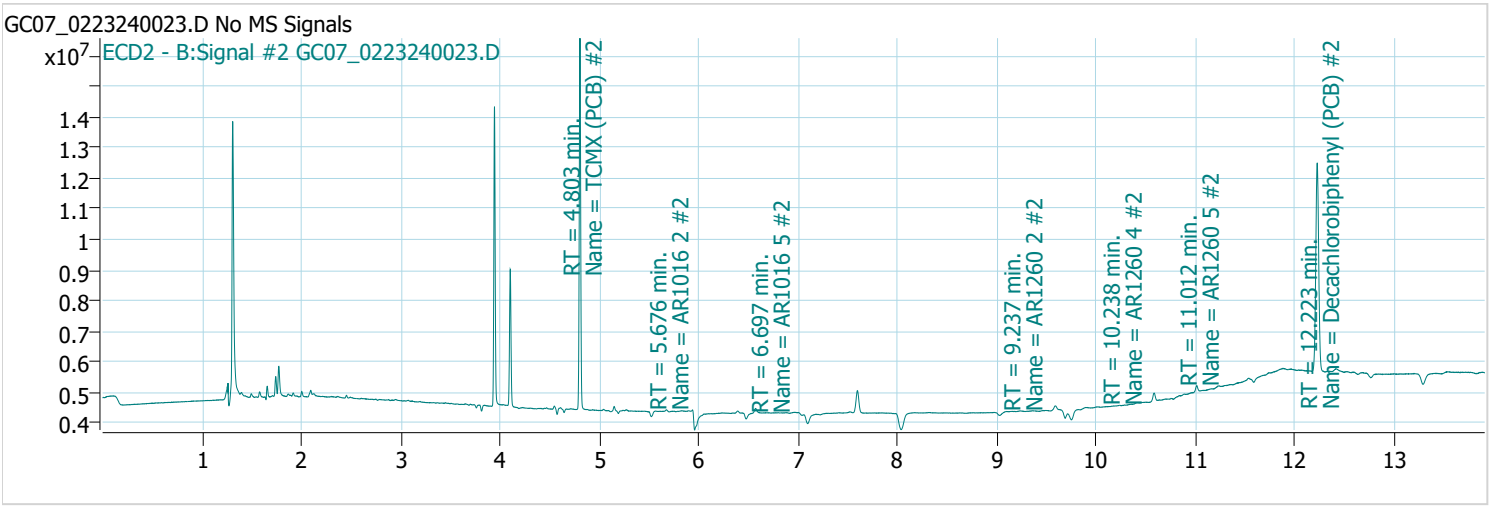
*-=low bias c=CCV u=use x=false positive*

**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240023.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 2:49:11 PM |
| Sample Name | QC1130128, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 1 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML//SOX |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



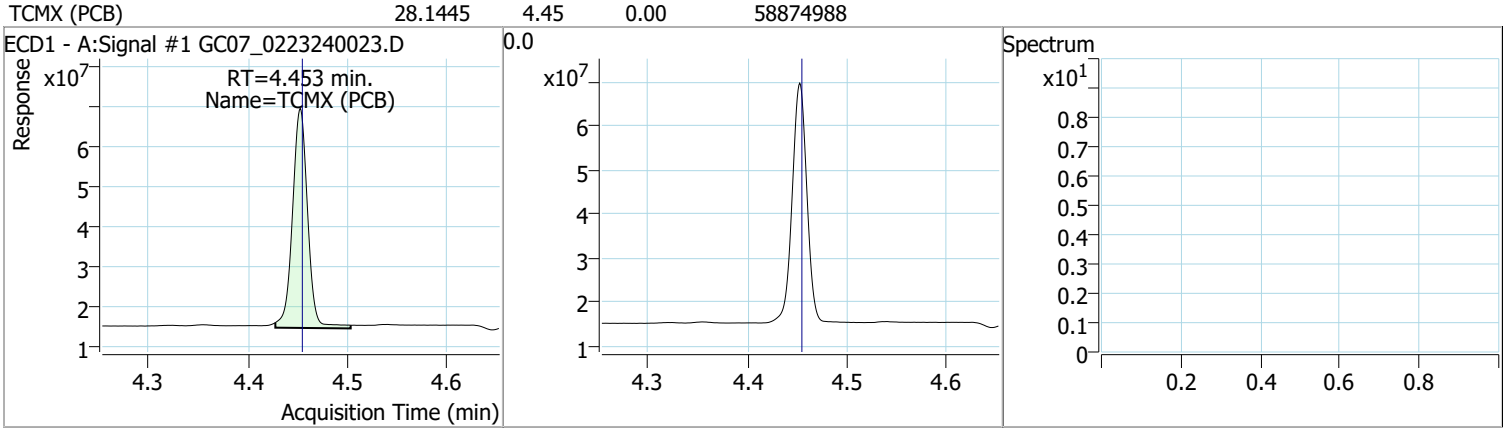




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.690 | 0.0 | 46015655.457 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 9177447.751 | 20.0000 | ng/ml | | 0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.453 | 0.0 | 58874987.733 | 28.1445 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 140.72% | | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 12572913.233 | 31.4337 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 157.17% | | * | |
| S Decachlorobiphenyl (PCB) | 11.136 | 0.0 | 51273940.671 | 27.8859 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 139.43% | | | |
| S Decachlorobiphenyl (PCB) #2 | 12.223 | 0.0 | 13719083.335 | 26.2614 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 131.31% | | | |
| **Target Compounds** | | | | | | | QValue |

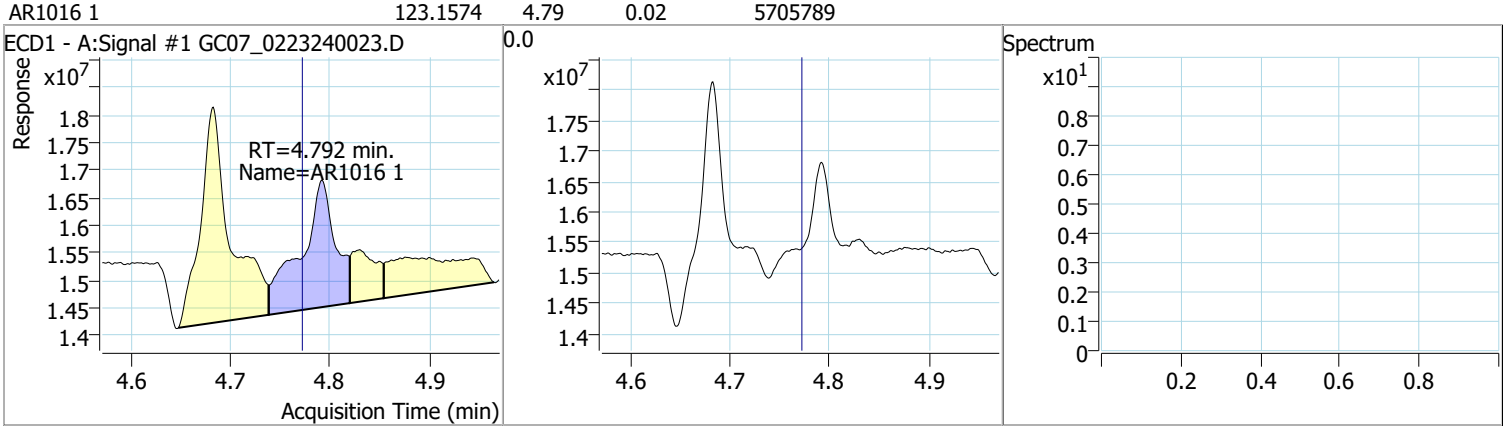
| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| T AR1016 1 | 4.792 | 0.0 | 5705788.528 | 123.1574 | ng/ml | 100 |
| T AR1016 2 | 5.013 | 0.0 | 2826551.173 | 34.6559 | ng/ml | 100 |
| T AR1016 1 #2 | 5.266 | 0.0 | 617759.823 | 72.1197 | ng/ml | 100 |
| T AR1016 3 | 5.529 | 0.0 | 18387851.147 | 169.4361 | ng/ml | 100 |
| T AR1016 4 | 5.529 | 0.0 | 57859854.059 | 791.0406 | ng/ml | 100 |
| T AR1016 2 #2 | 5.676 | 0.0 | 1128559.140 | 66.0420 | ng/ml | 100 |
| T AR1016 5 | 5.779 | 0.0 | 55969639.487 | 864.0250 | ng/ml | 100 |
| T AR1016 3 #2 | 5.937 | 0.0 | 1668273.640 | 71.0007 | ng/ml | 100 |
| T AR1016 4 #2 | 6.231 | 0.0 | 2228191.343 | 143.3996 | ng/ml | 100 |
| T AR1016 5 #2 | 6.697 | 0.0 | 53425.973 | 4.2617 | ng/ml | 100 |
| T AR1260 1 | 7.235 | 0.0 | 30252823.463 | 232.9018 | ng/ml | 100 |
| T AR1260 2 | 7.831 | 0.0 | 249325.698 | 1.1971 | ng/ml | 100 |
| T AR1260 3 | 8.225 | 0.0 | 2956046.187 | 12.5318 | ng/ml | 100 |
| T AR1260 1 #2 | 8.843 | 0.0 | 201156.299 | 6.8777 | ng/ml | 100 |
| T AR1260 4 | 9.123 | 0.0 | 15717188.737 | 118.8020 | ng/ml | 100 |
| T AR1260 2 #2 | 9.237 | 0.0 | 1083203.718 | 33.8665 | ng/ml | 100 |
| T AR1260 3 #2 | 9.708 | 0.0 | 414063.141 | 18.8078 | ng/ml | 100 |
| T AR1260 5 | 10.051 | 0.0 | 1544491.149 | 11.3821 | ng/ml | 100 |
| T AR1260 4 #2 | 10.238 | 0.0 | 28152.835 | 1.1121 | ng/ml | 100 |
| T AR1260 5 #2 | 11.012 | 0.0 | 445560.661 | 11.6466 | ng/ml | 100 |

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

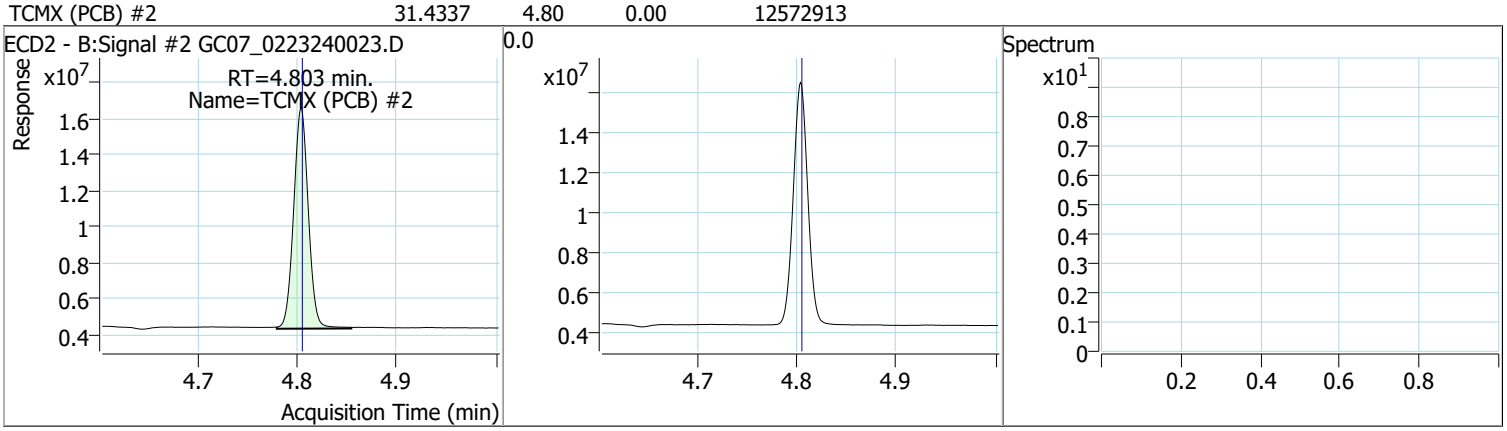
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 28.1445 | 4.45 | 0.00 | 58874988 | | | | |



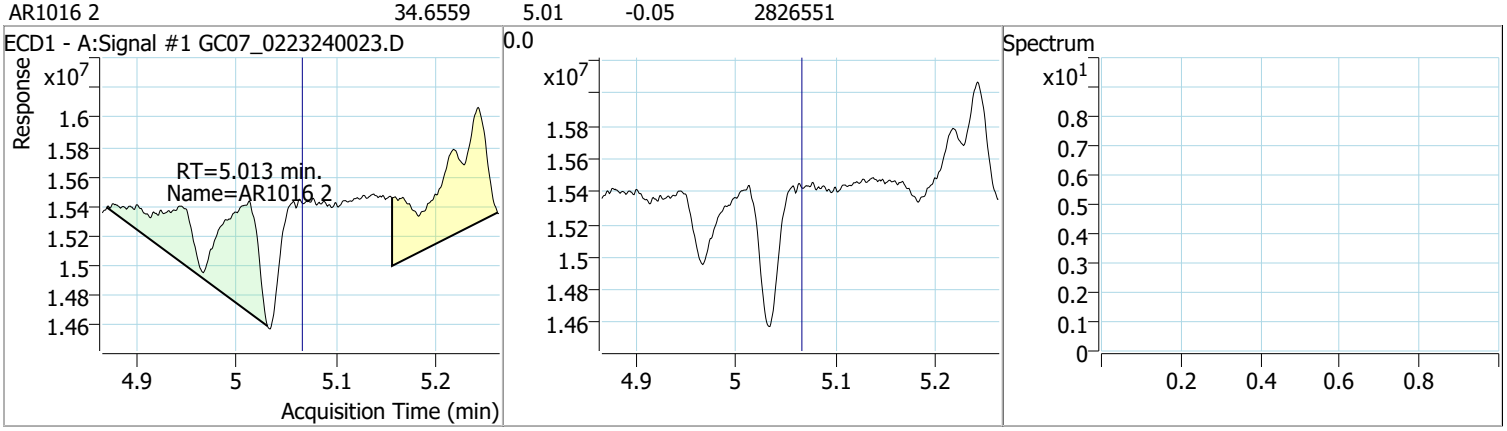

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 123.1574 | 4.79 | 0.02 | 5705789 | | | | |



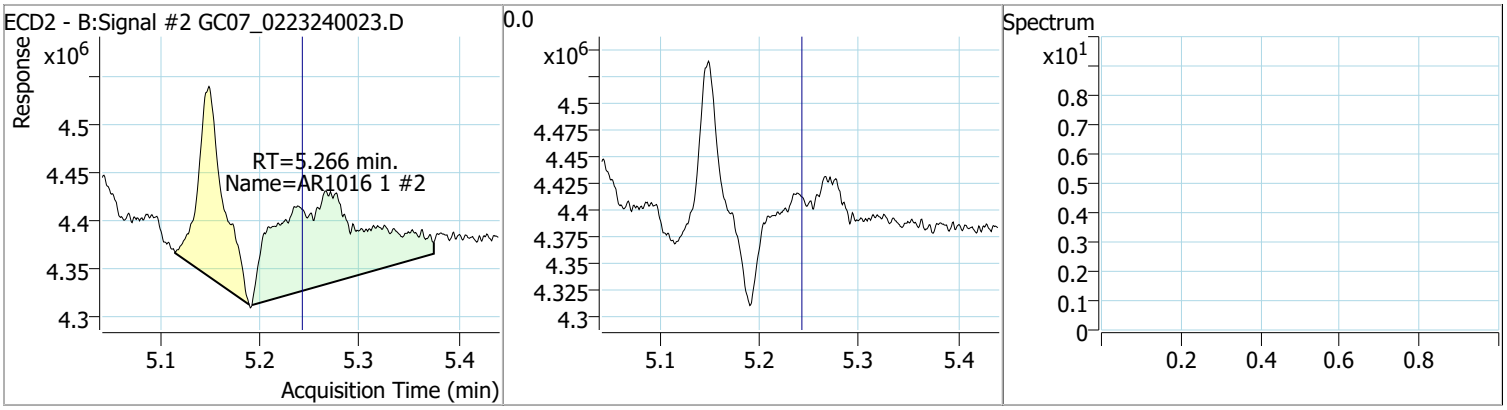

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 31.4337 | 4.80 | 0.00 | 12572913 | | | | |



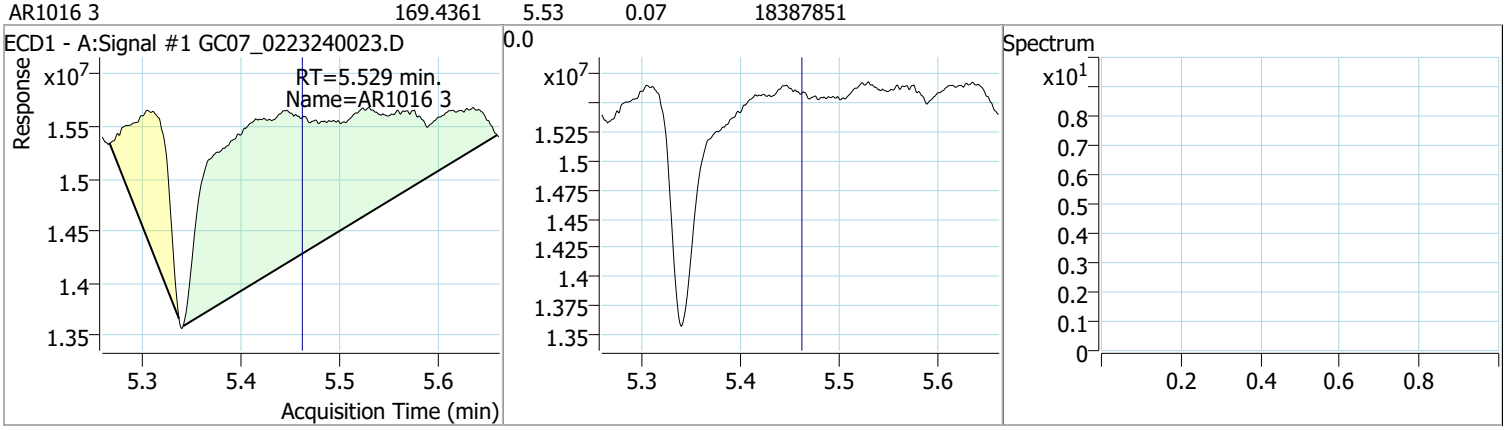

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 34.6559 | 5.01 | -0.05 | 2826551 | | | | |



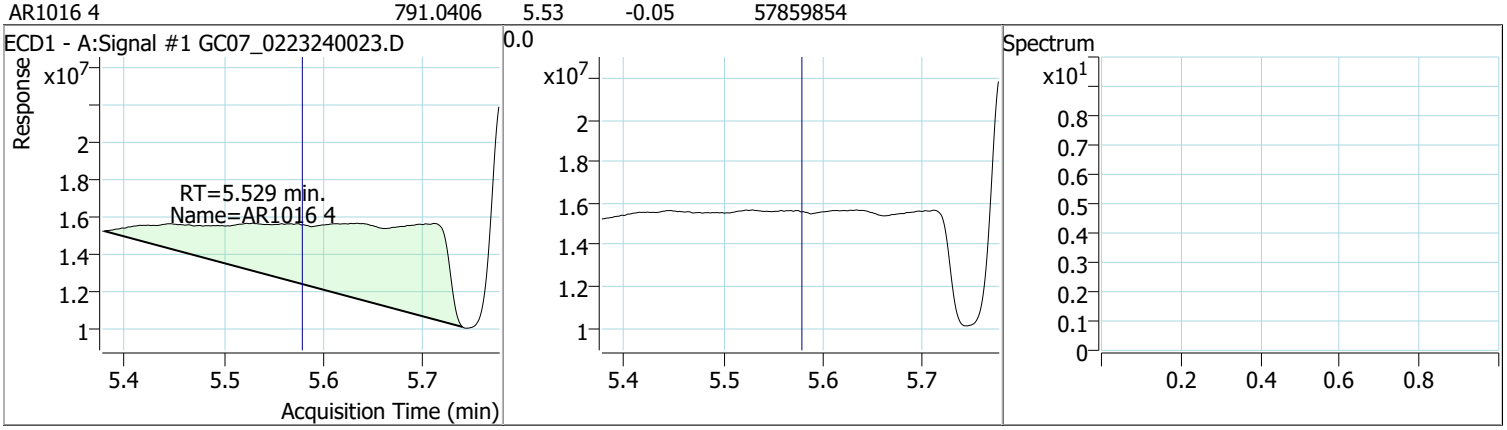
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 72.1197 | 5.27 | 0.03 | 617760 | | | | |



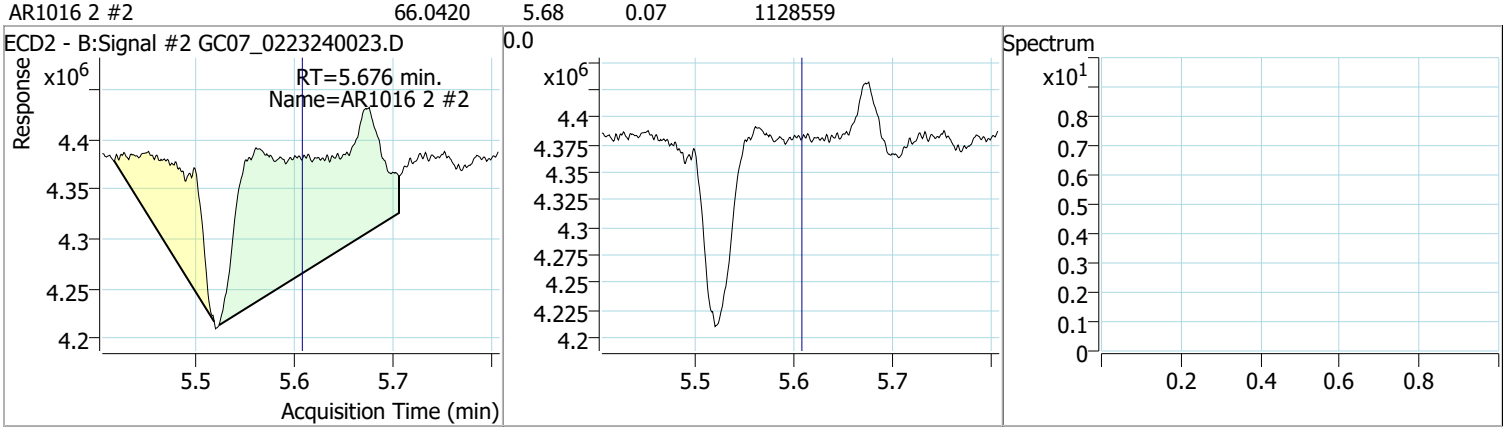

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 169.4361 | 5.53 | 0.07 | 18387851 | | | | |



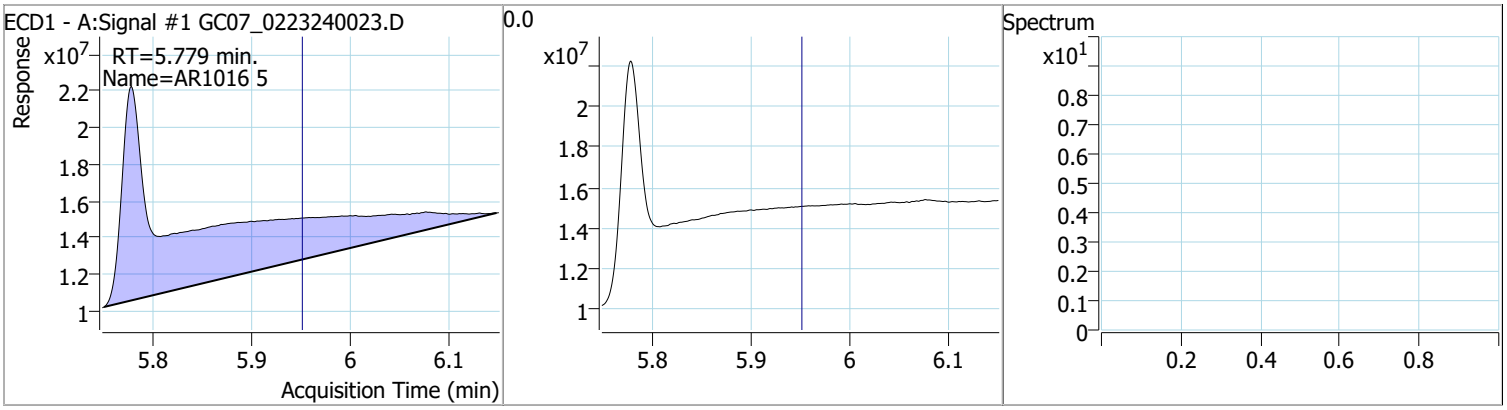

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 791.0406 | 5.53 | -0.05 | 57859854 | | | | |



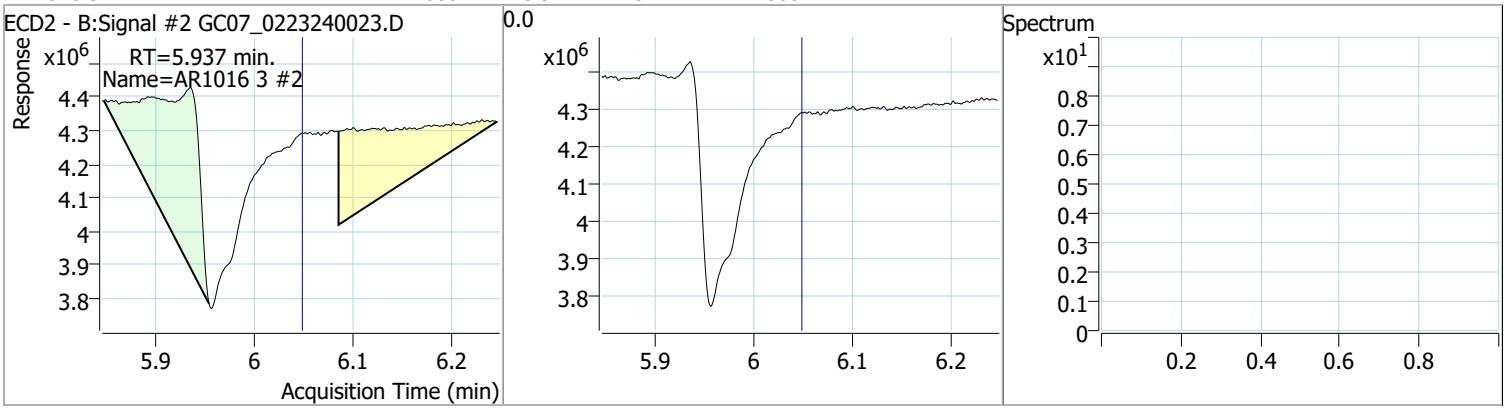

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 66.0420 | 5.68 | 0.07 | 1128559 | | | | |



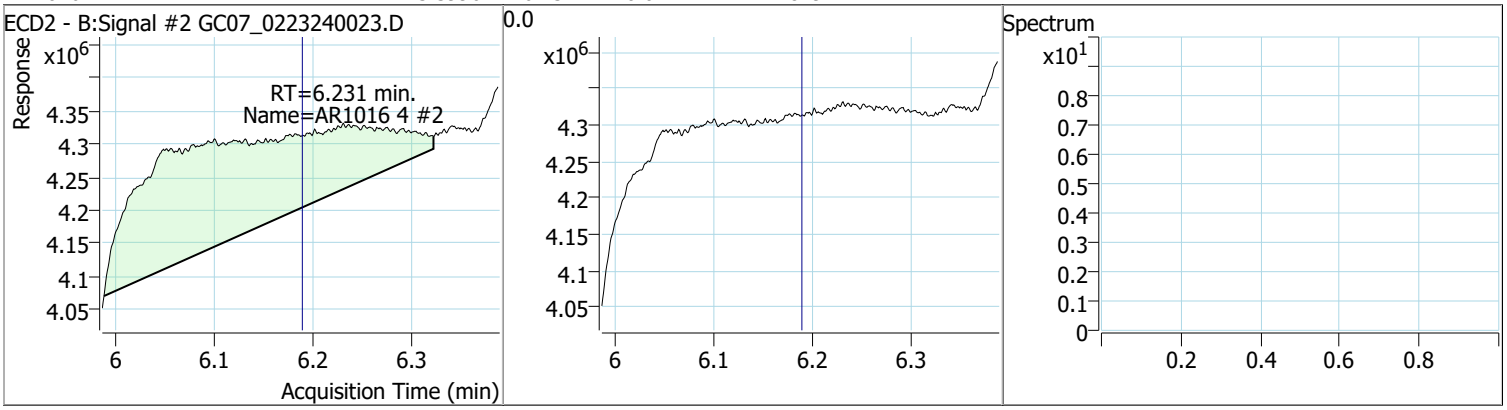
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 864.0250 | 5.78 | -0.17 | 55969639 | | | | |



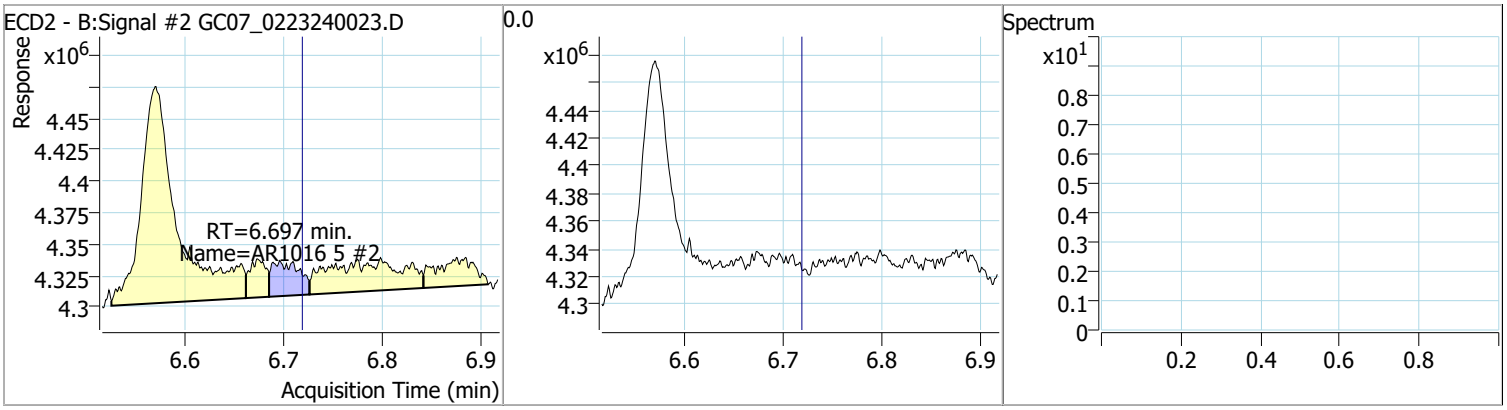

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 71.0007 | 5.94 | -0.11 | 1668274 | | | | |



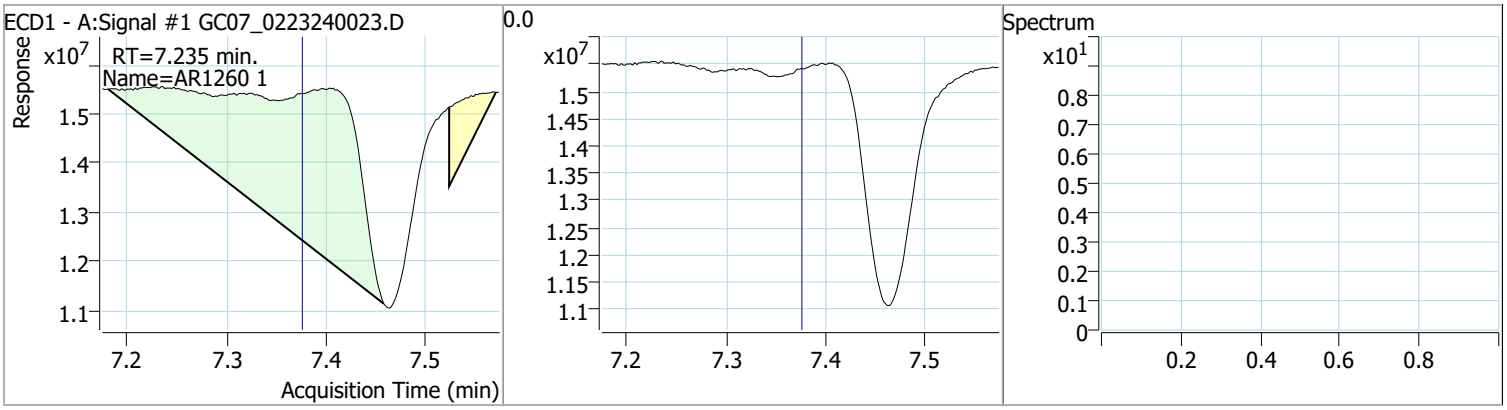

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 143.3996 | 6.23 | 0.04 | 2228191 | | | | |



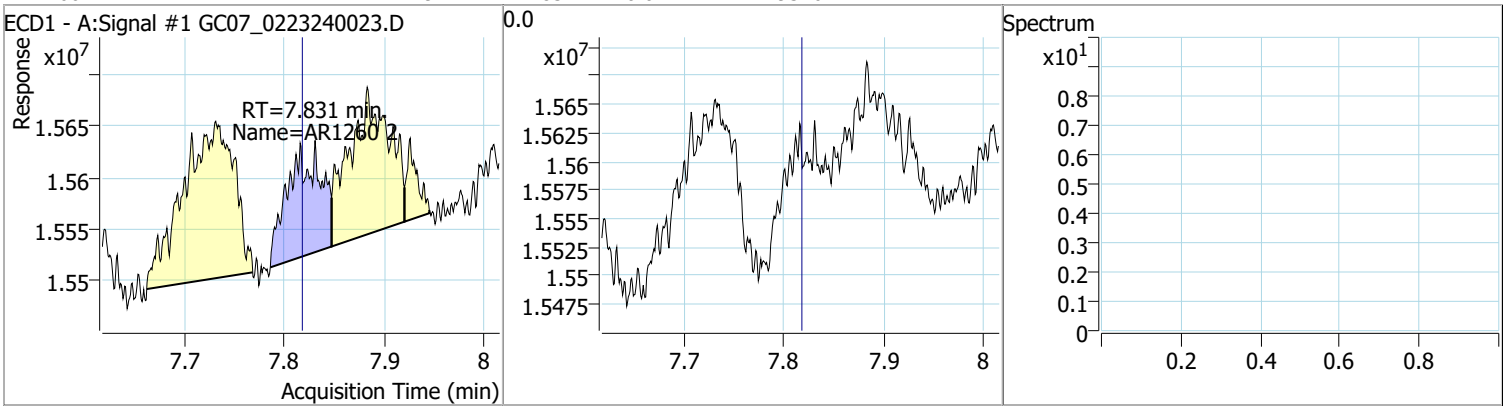

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 4.2617 | 6.70 | -0.02 | 53426 | | | | |



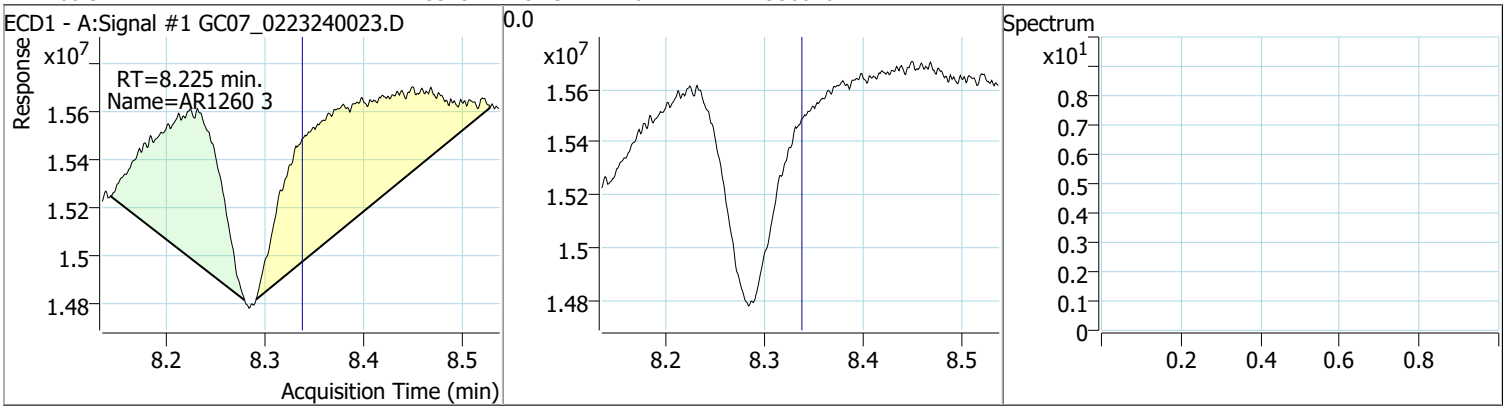
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 232.9018 | 7.24 | -0.14 | 30252823 | | | | |



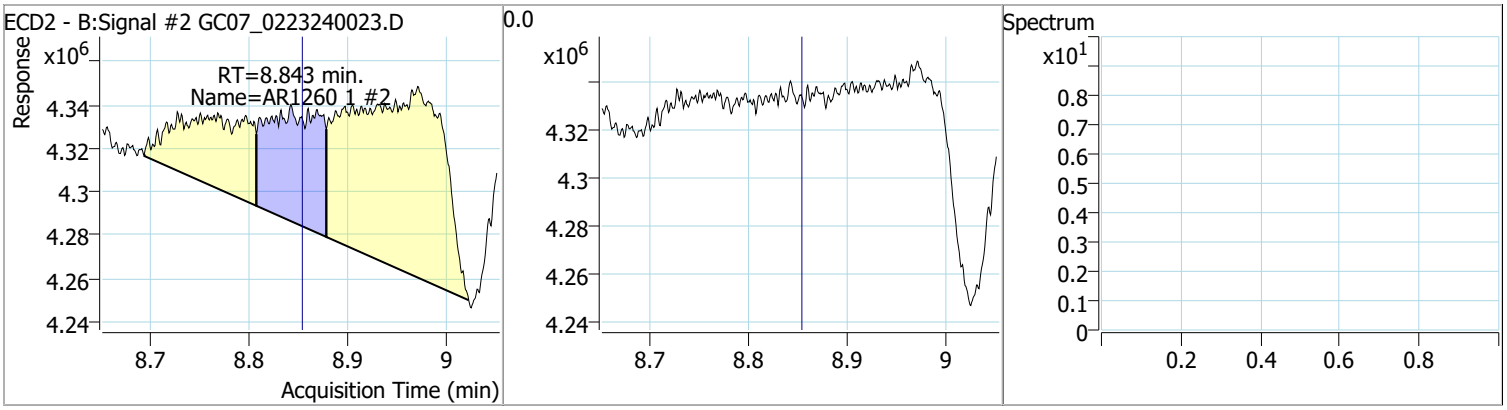

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1.1971 | 7.83 | 0.01 | 249326 | | | | |



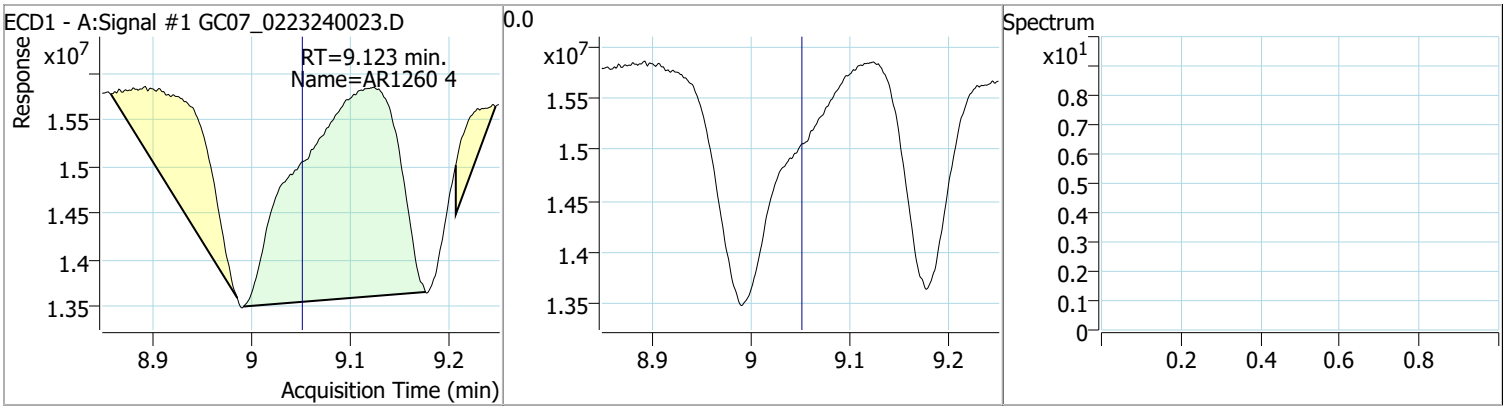

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 12.5318 | 8.23 | -0.11 | 2956046 | | | | |



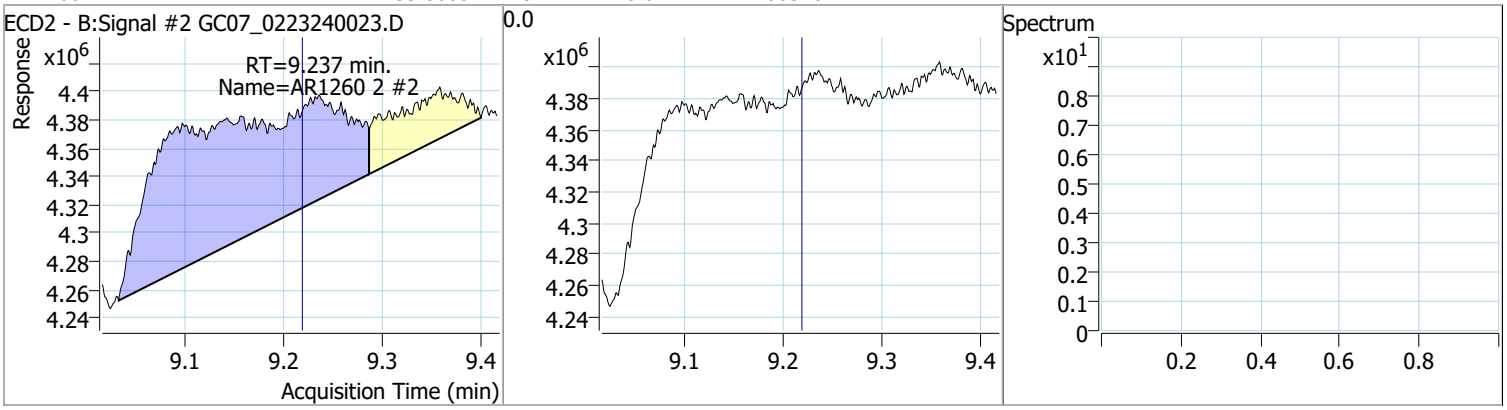

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 6.8777 | 8.84 | -0.01 | 201156 | | | | |



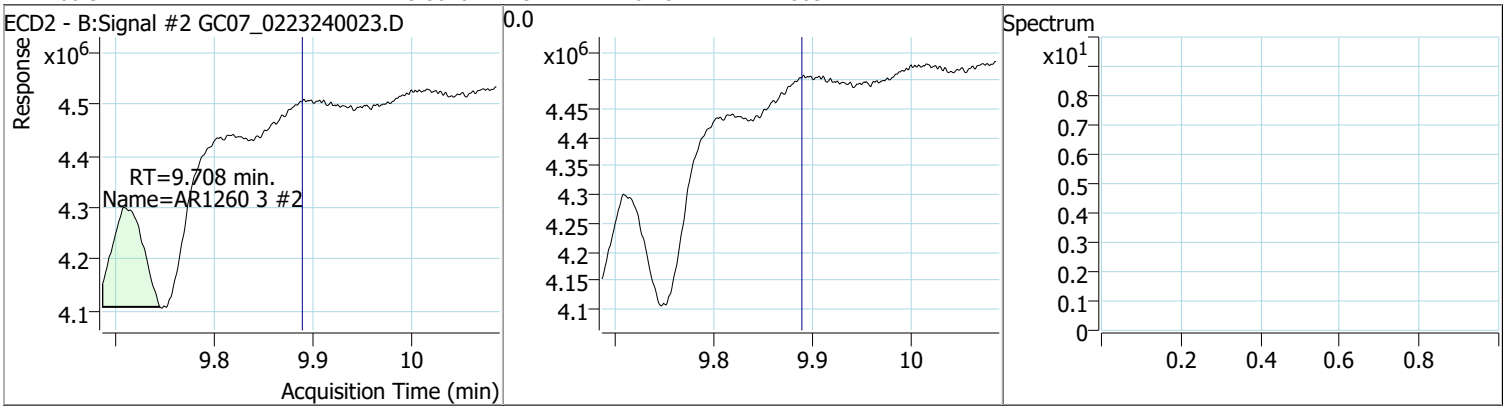
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 118.8020 | 9.12 | 0.07 | 15717189 | | | | |



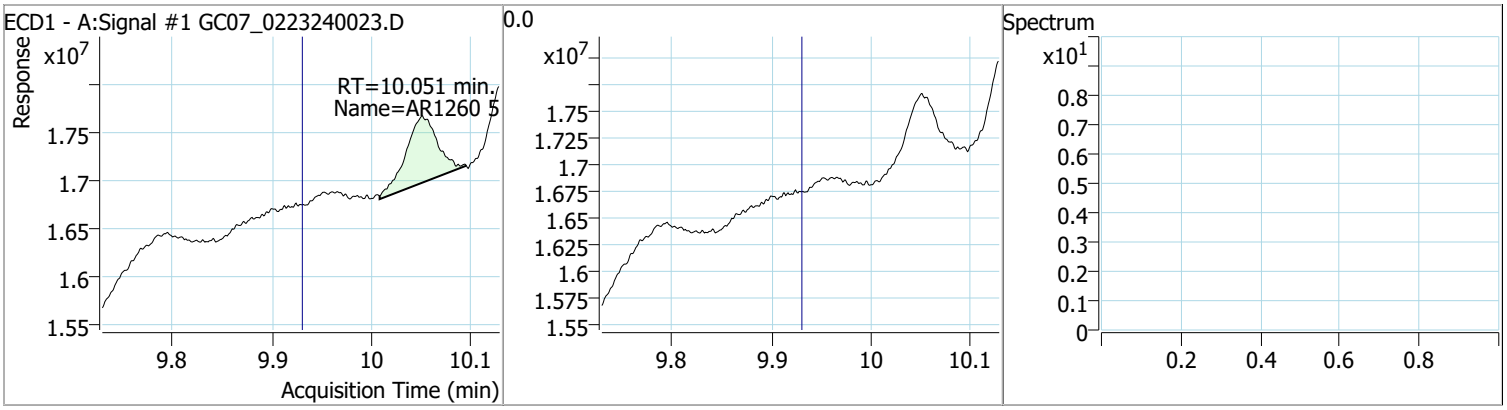

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 33.8665 | 9.24 | 0.02 | 1083204 | | | | |



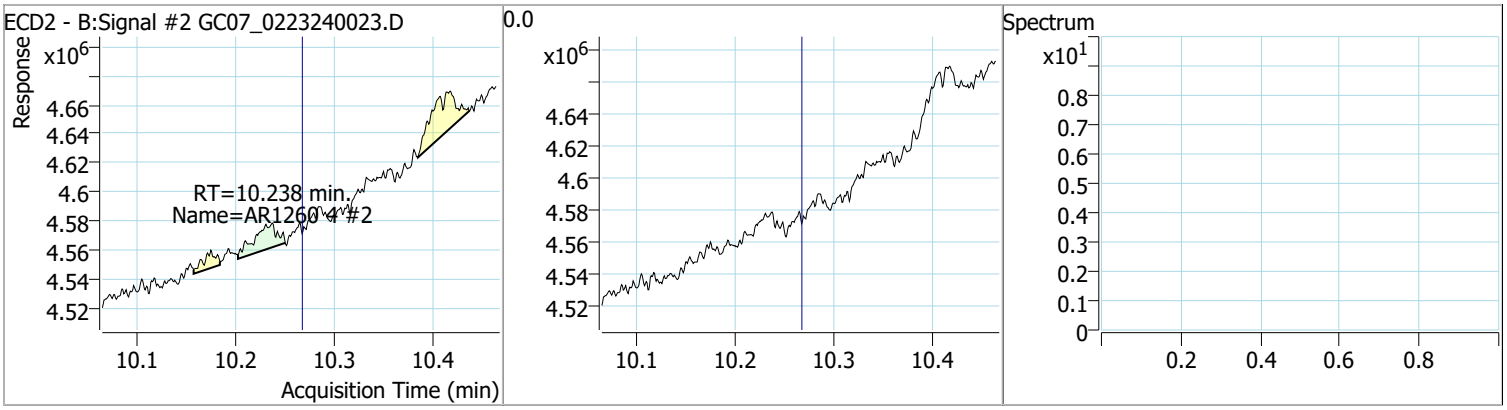

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 18.8078 | 9.71 | -0.18 | 414063 | | | | |



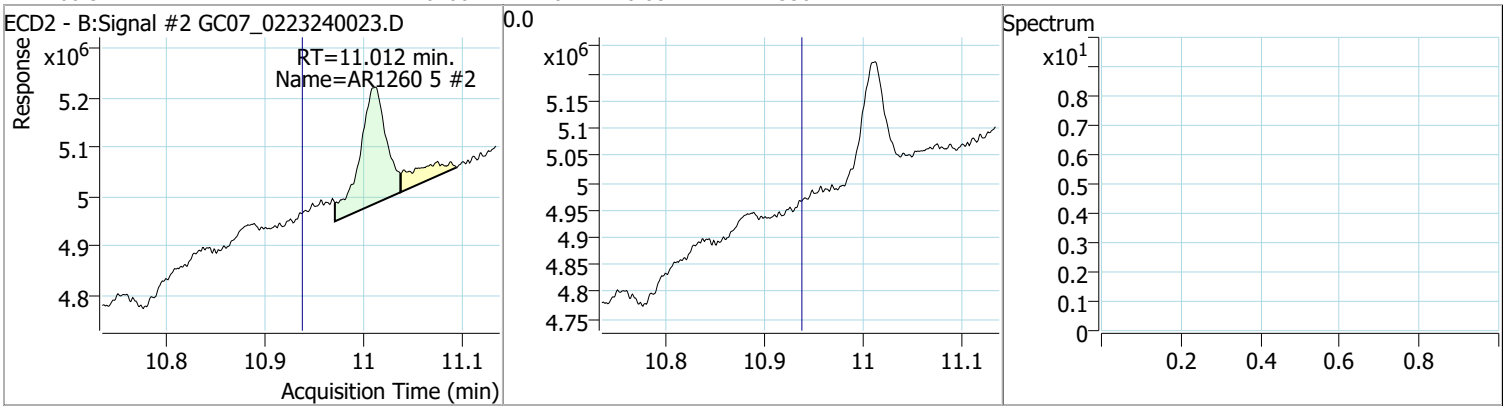

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 11.3821 | 10.05 | 0.12 | 1544491 | | | | |



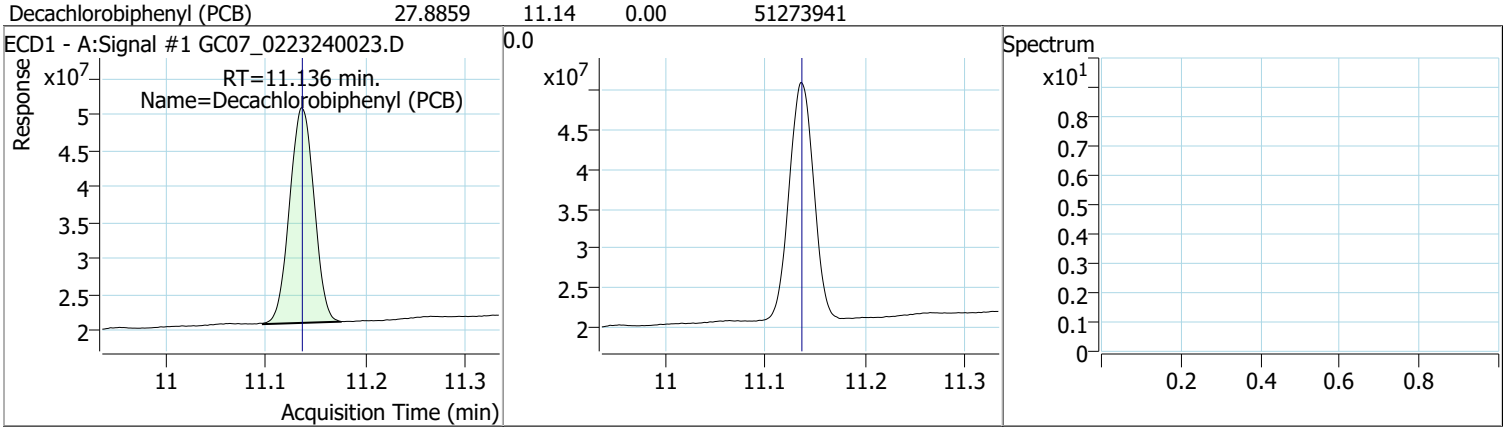
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 1.1121 | 10.24 | -0.03 | 28153 | | | | |



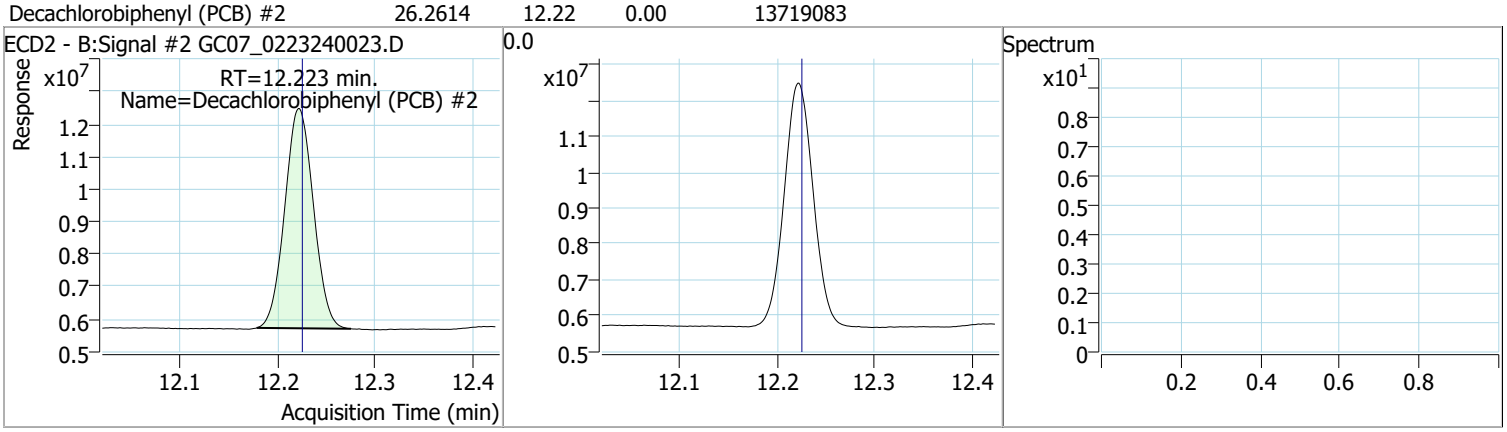

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 11.6466 | 11.01 | 0.08 | 445561 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 27.8859 | 11.14 | 0.00 | 51273941 | | | | |

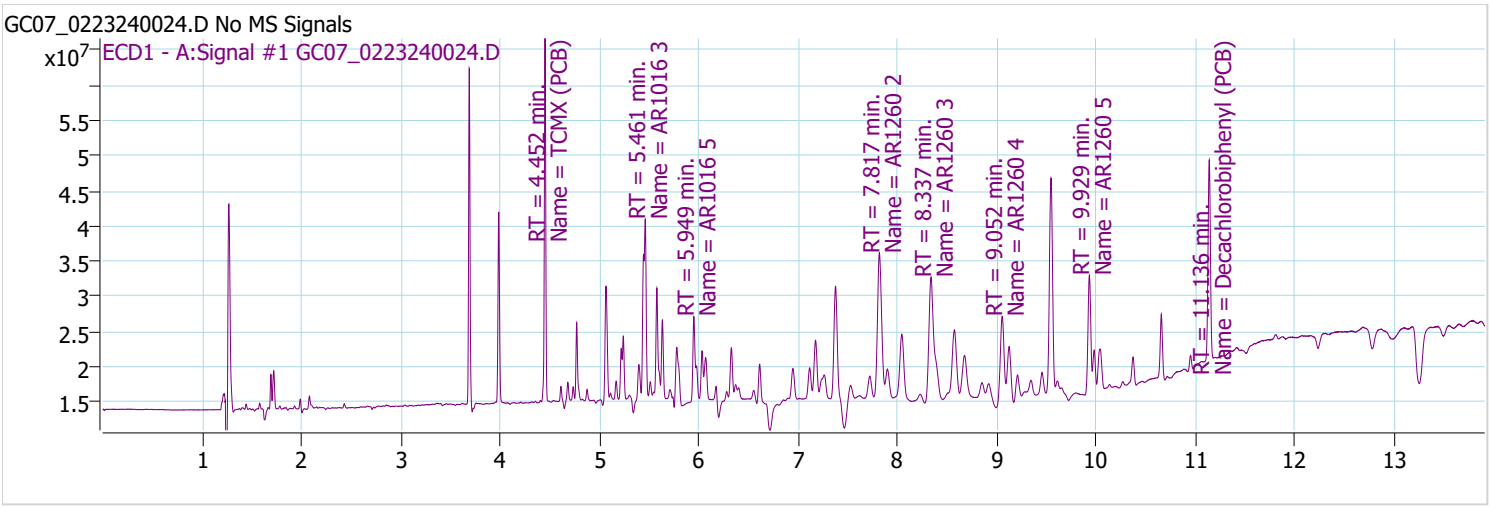


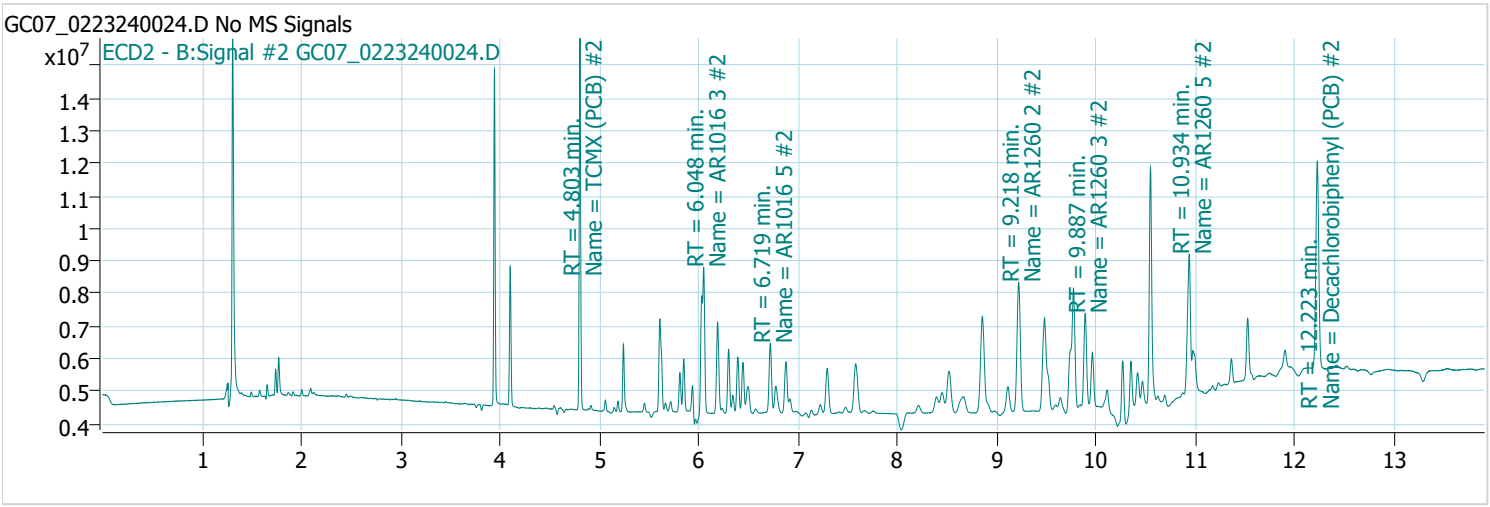

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 26.2614 | 12.22 | 0.00 | 13719083 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240024.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 3:06:40 PM |
| Sample Name | QC1130129, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 2 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML//SOX |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



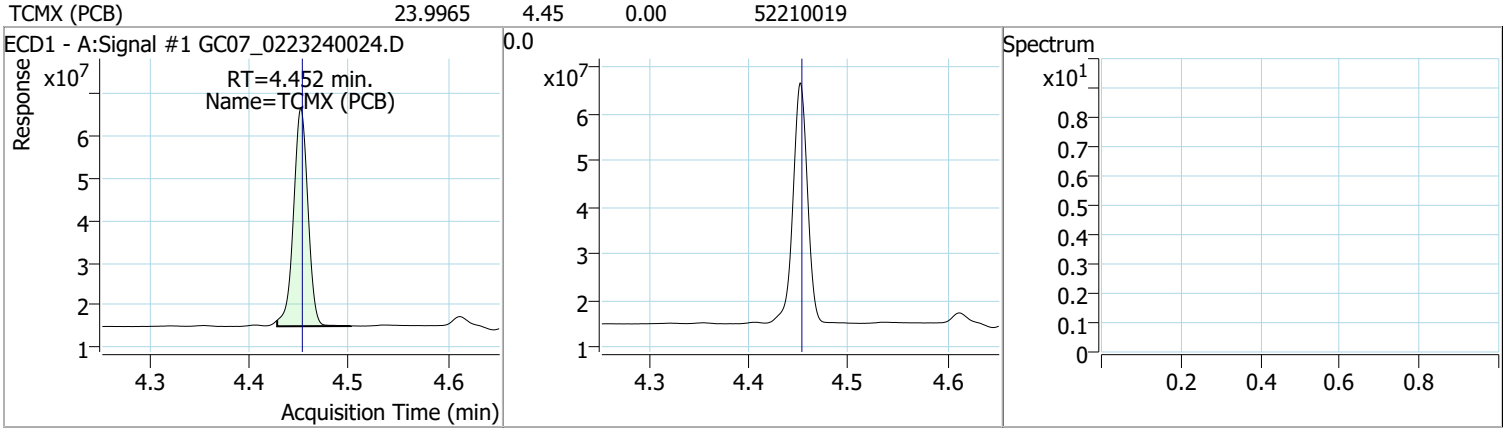




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.689 | 0.0 | 47860196.626 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 9649156.640 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 52210018.711 | 23.9965 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 119.98% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 11633124.758 | 27.6623 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 138.31% | | |
| S Decachlorobiphenyl (PCB) | 11.136 | 0.0 | 49203553.544 | 25.7286 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 128.64% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.223 | 0.0 | 13786503.790 | 25.1003 | ng/ml | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 125.50% | | |
| **Target Compounds** | | | | | | QValue |

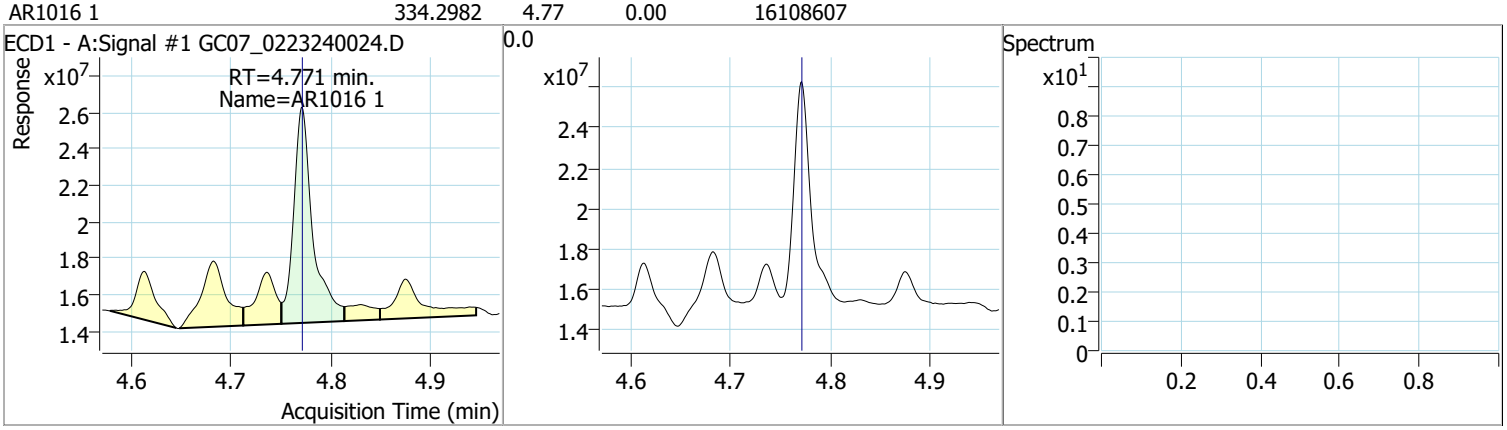
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.771 | 0.0 | 16108606.528 | 334.2982 | ng/ml | | 100 |
| T AR1016 2 | 5.065 | 0.0 | 26312149.794 | 310.1758 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.241 | 0.0 | 2560765.294 | 284.3393 | ng/ml | | 100 |
| T AR1016 3 | 5.461 | 0.0 | 35158960.898 | 311.4886 | ng/ml | m | 100 |
| T AR1016 4 | 5.578 | 0.0 | 25558098.756 | 335.9550 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.608 | 0.0 | 5610992.895 | 312.2974 | ng/ml | | 100 |
| T AR1016 5 | 5.949 | 0.0 | 18618664.475 | 276.3462 | ng/ml | m | 100 |
| T AR1016 3 #2 | 6.048 | 0.0 | 7053839.558 | 285.5312 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.188 | 0.0 | 4786728.948 | 292.9995 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.719 | 0.0 | 3695668.523 | 280.3847 | ng/ml | | 100 |
| T AR1260 1 | 7.375 | 0.0 | 64599048.249 | 478.1499 | ng/ml | m | 100 |
| T AR1260 2 | 7.817 | 0.0 | 59975651.540 | 276.8744 | ng/ml | | 100 |
| T AR1260 3 | 8.337 | 0.0 | 69135385.188 | 281.7962 | ng/ml | m | 100 |
| T AR1260 1 #2 | 8.853 | 0.0 | 8790789.621 | 285.8710 | ng/ml | | 100 |
| T AR1260 4 | 9.052 | 0.0 | 35394184.074 | 257.2242 | ng/ml | m | 100 |
| T AR1260 2 #2 | 9.218 | 0.0 | 9877360.799 | 293.7199 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.887 | 0.0 | 5951759.368 | 257.1284 | ng/ml | | 100 |
| T AR1260 5 | 9.929 | 0.0 | 33694479.109 | 238.7416 | ng/ml | m | 100 |
| T AR1260 4 #2 | 10.264 | 0.0 | 3488727.900 | 131.0761 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.934 | 0.0 | 9894546.915 | 245.9912 | ng/ml | m | 100 |

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

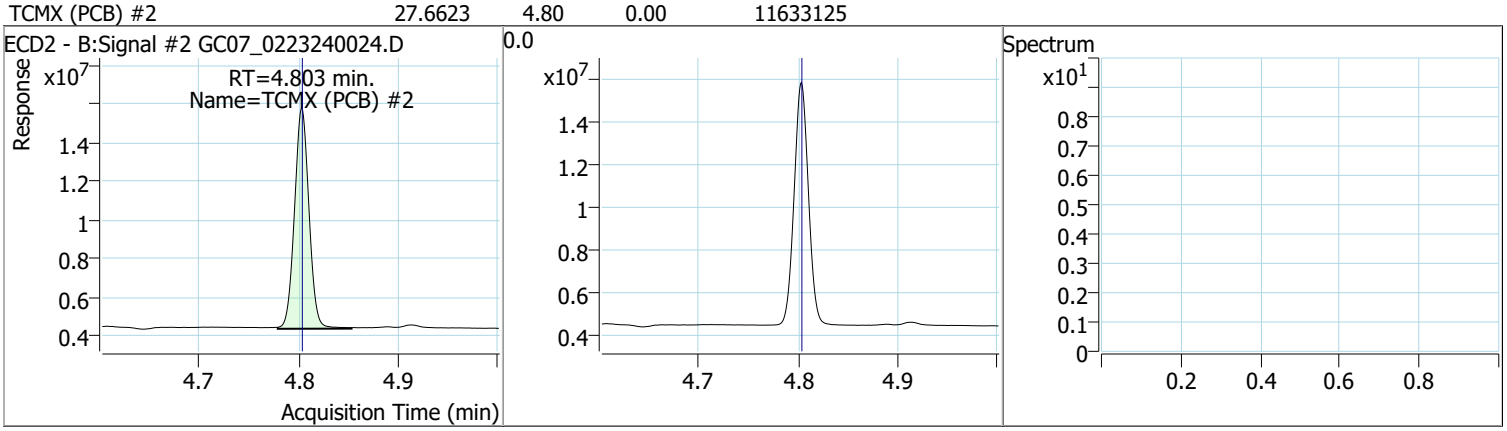
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 23.9965 | 4.45 | 0.00 | 52210019 | | | | |



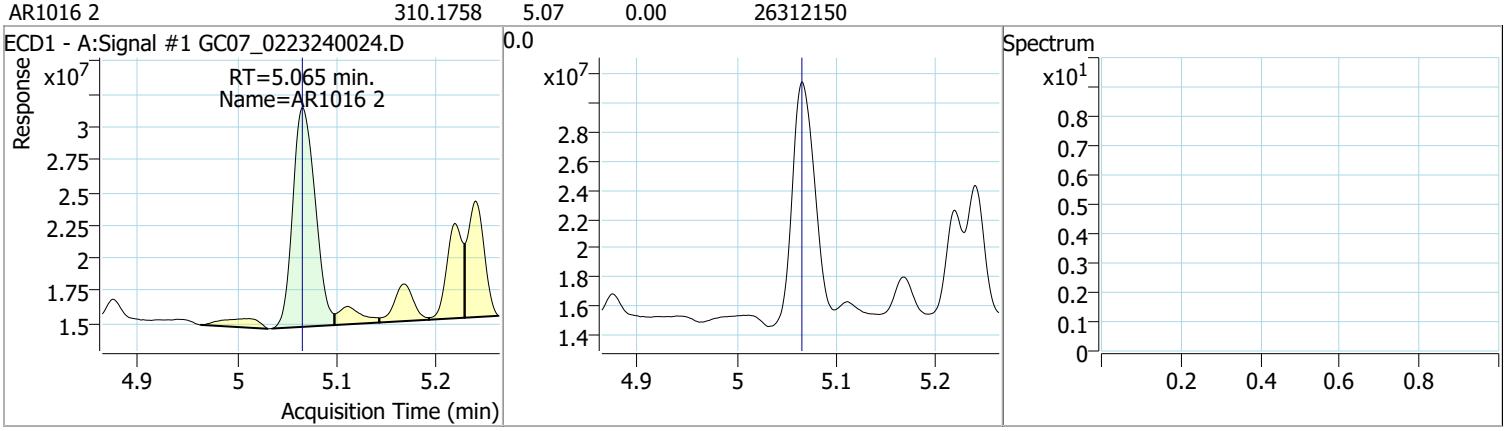

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 334.2982 | 4.77 | 0.00 | 16108607 | | | | |



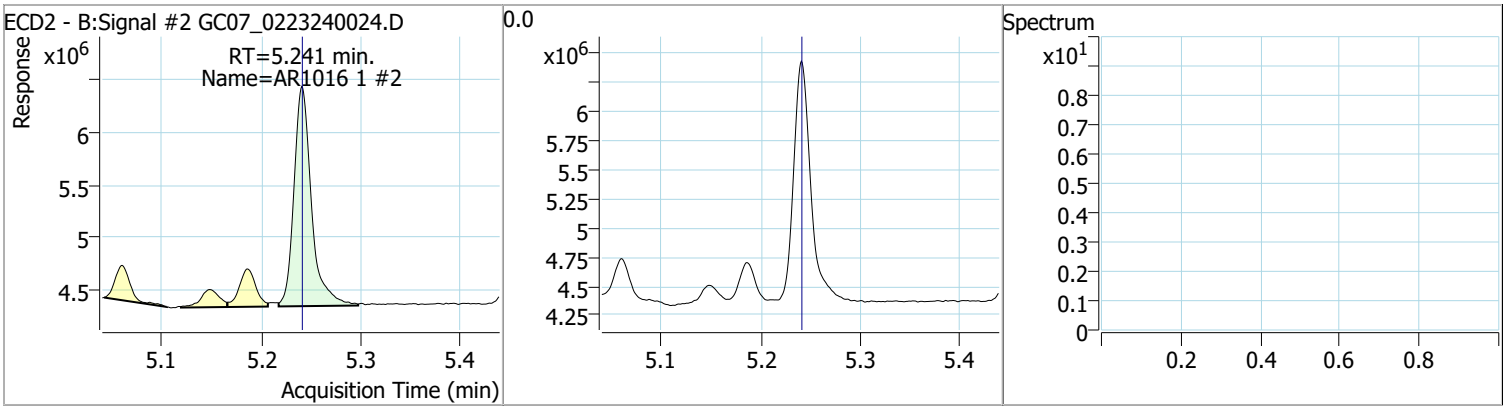

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 27.6623 | 4.80 | 0.00 | 11633125 | | | | |



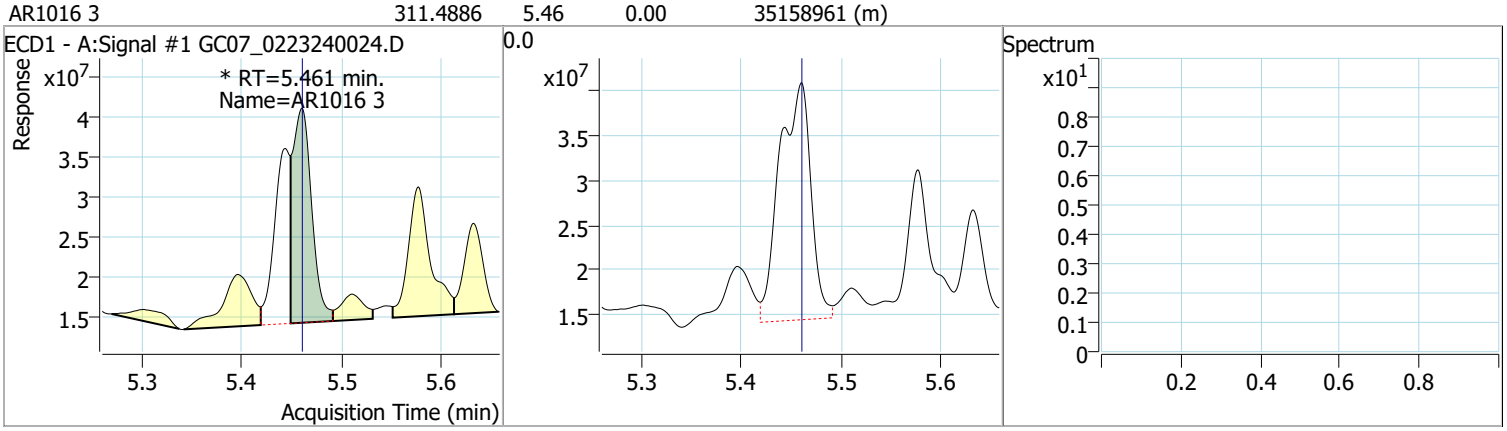

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 310.1758 | 5.07 | 0.00 | 26312150 | | | | |



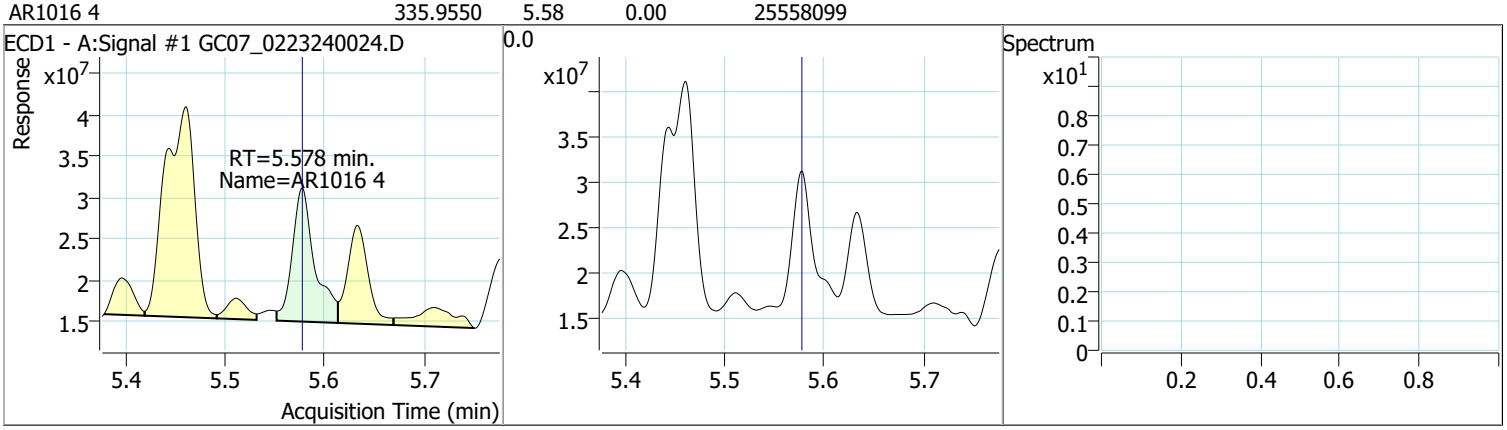
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 284.3393 | 5.24 | 0.00 | 2560765 | | | | |



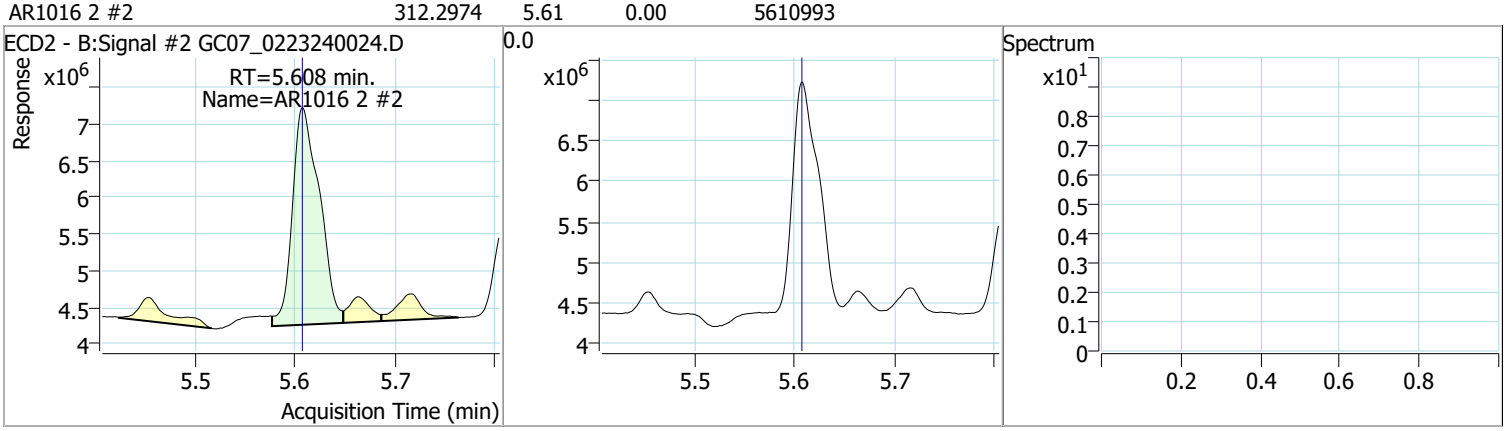

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 311.4886 | 5.46 | 0.00 | 35158961 (m) | | | | |



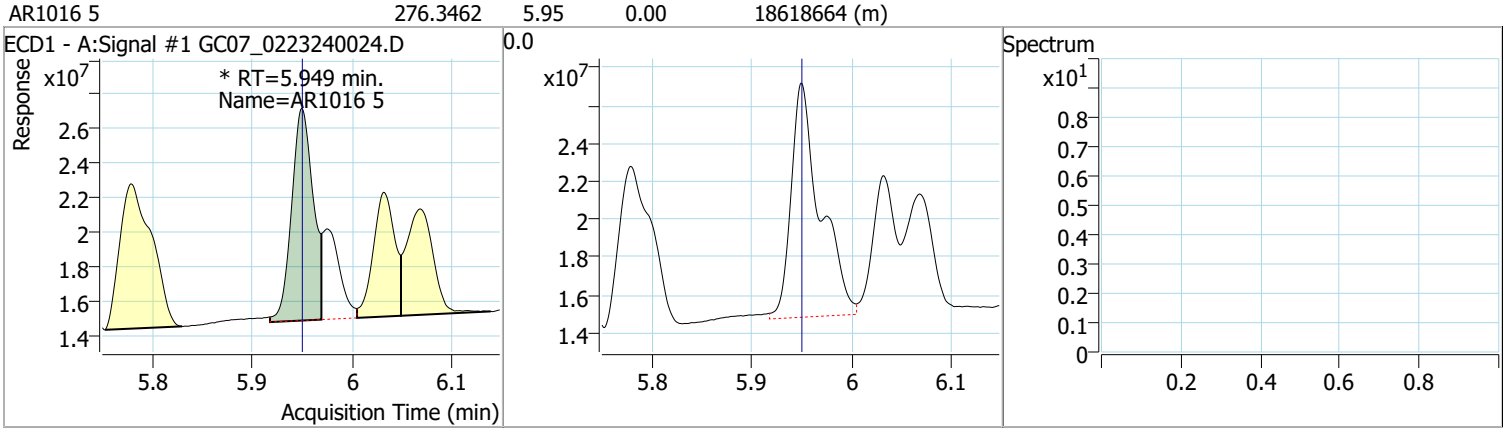

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 335.9550 | 5.58 | 0.00 | 25558099 | | | | |



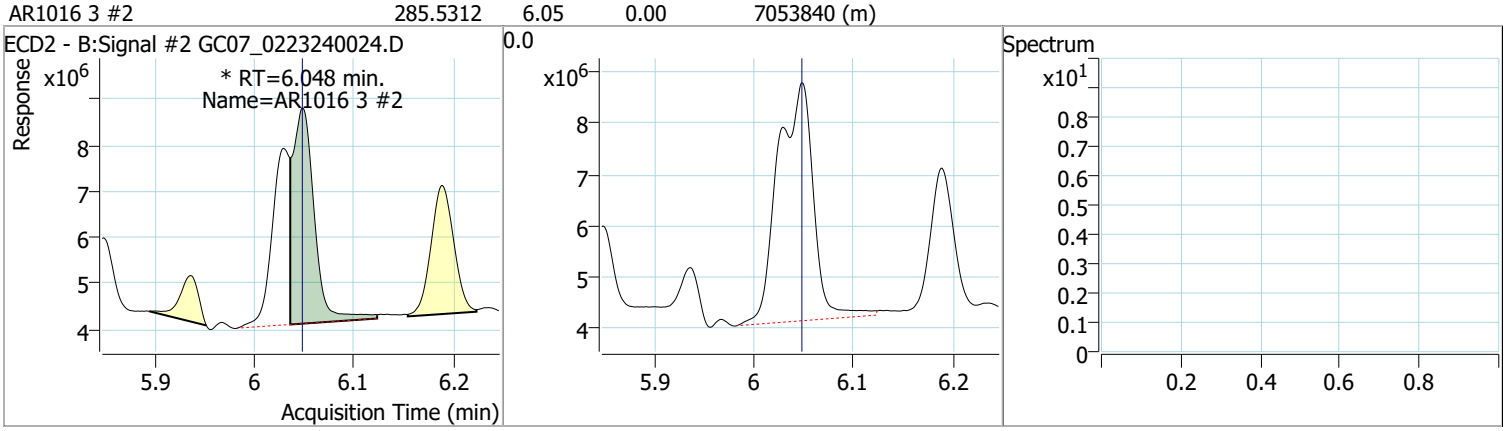

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 312.2974 | 5.61 | 0.00 | 5610993 | | | | |



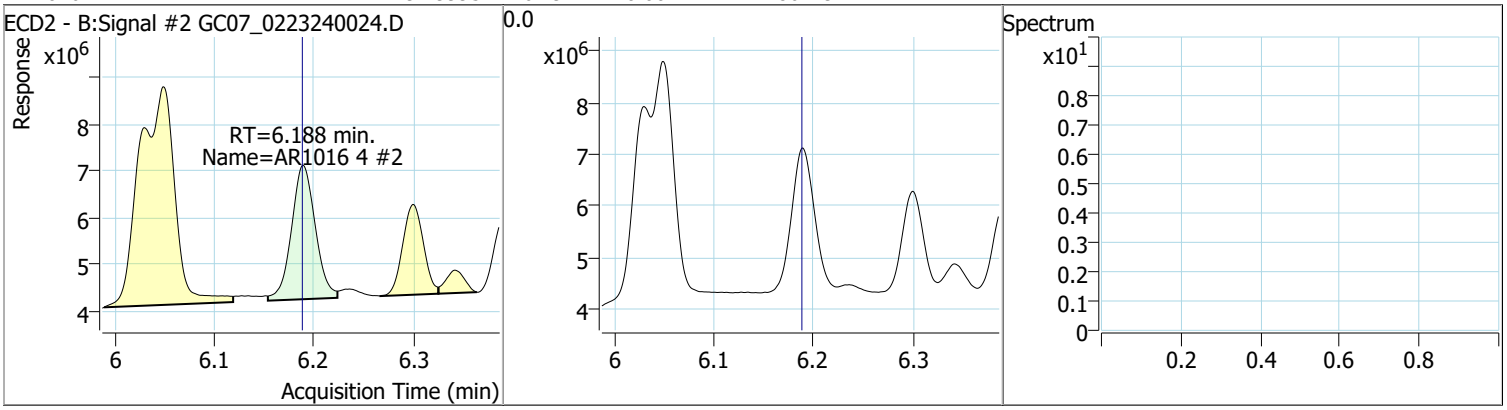
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 276.3462 | 5.95 | 0.00 | 18618664 (m) | | | | |



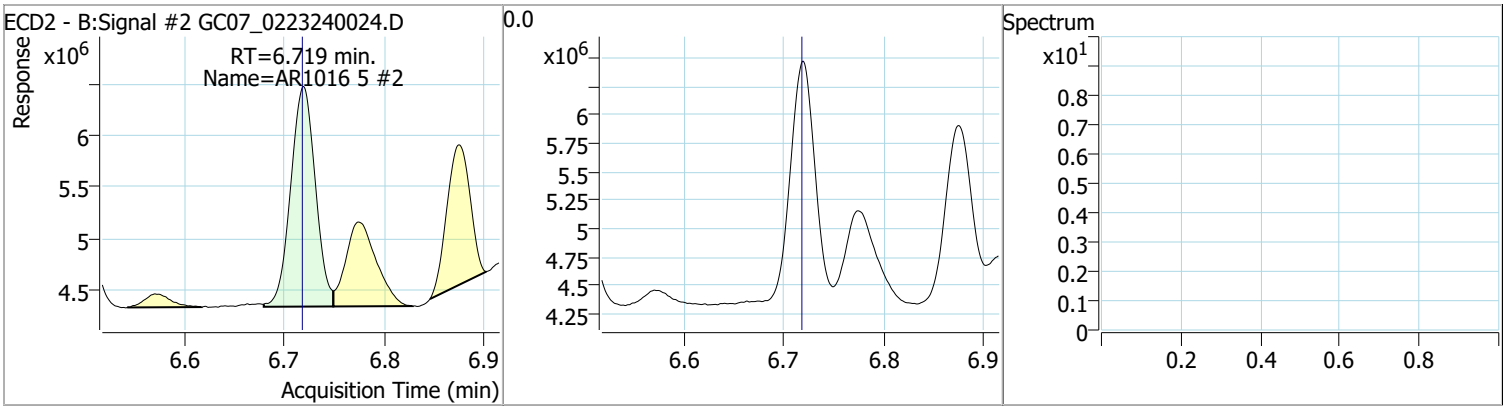

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 285.5312 | 6.05 | 0.00 | 7053840 (m) | | | | |



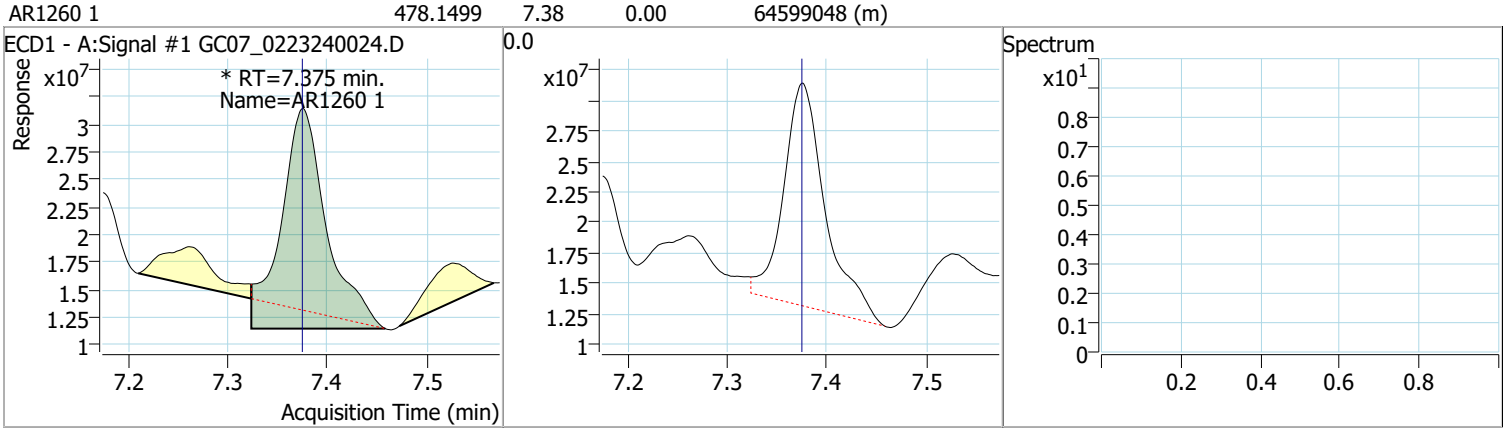

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 292.9995 | 6.19 | 0.00 | 4786729 | | | | |



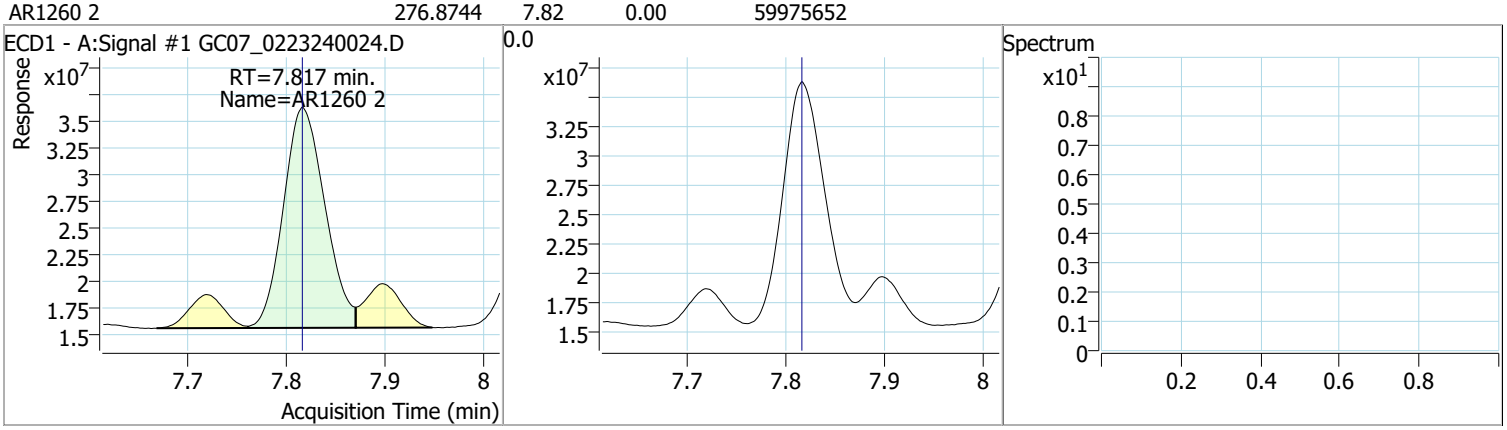

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 280.3847 | 6.72 | 0.00 | 3695669 | | | | |



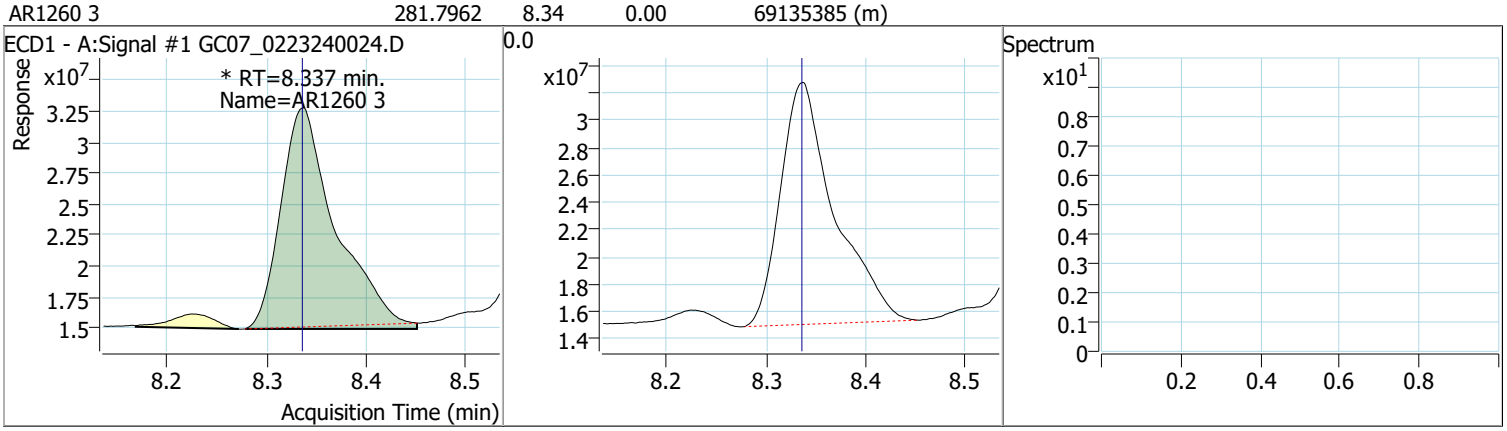
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 478.1499 | 7.38 | 0.00 | 64599048 (m) | | | | |



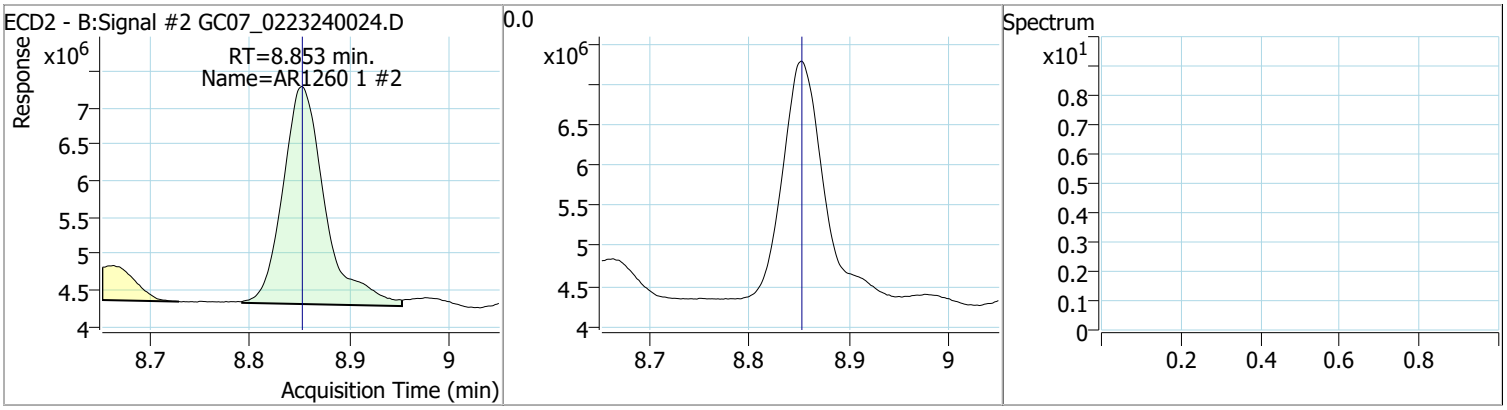

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 276.8744 | 7.82 | 0.00 | 59975652 | | | | |



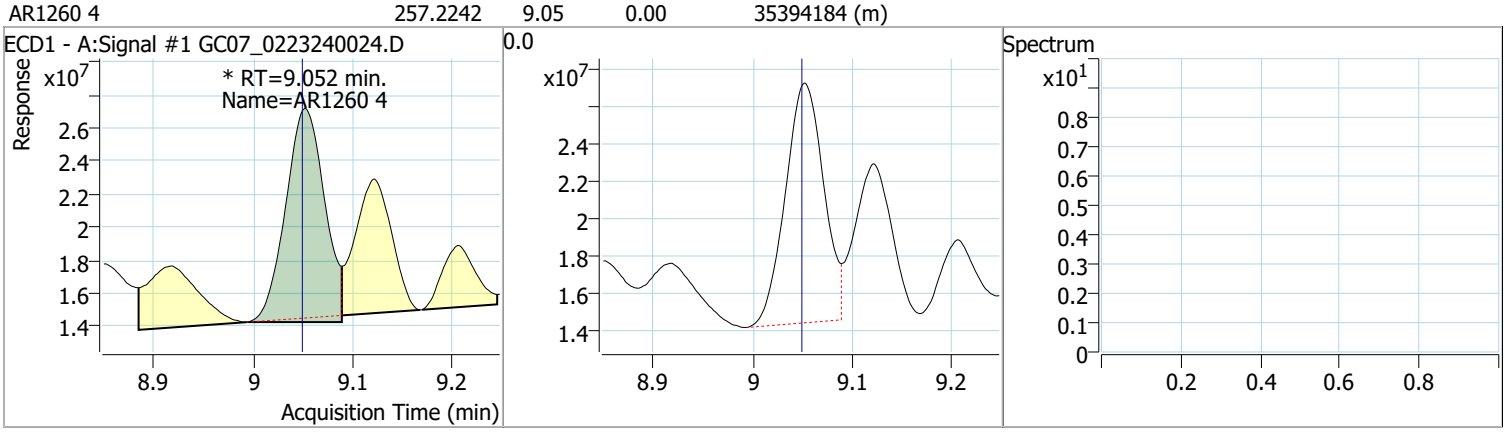

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 281.7962 | 8.34 | 0.00 | 69135385 (m) | | | | |



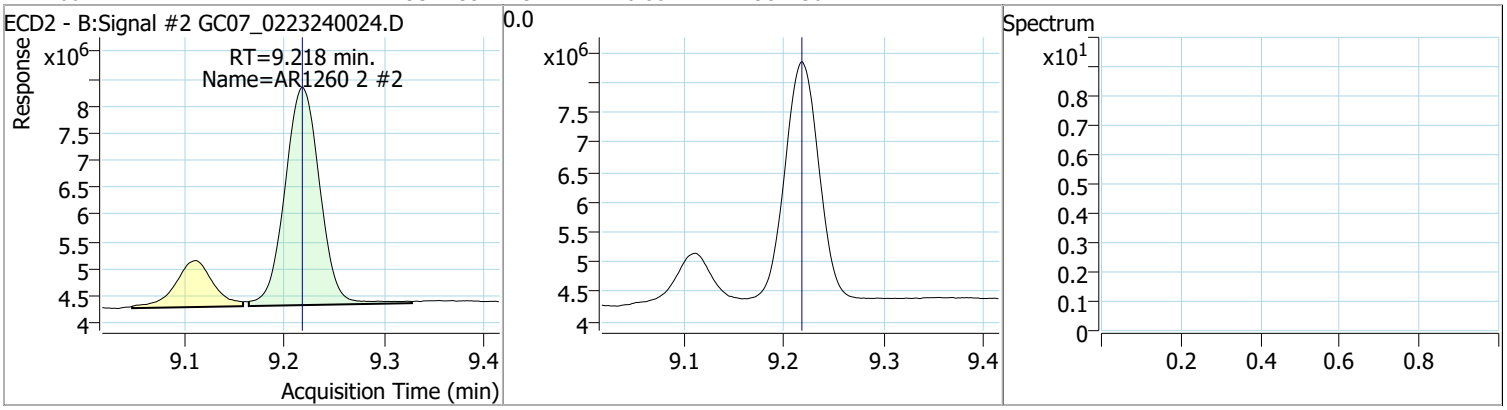

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 285.8710 | 8.85 | 0.00 | 8790790 | | | | |



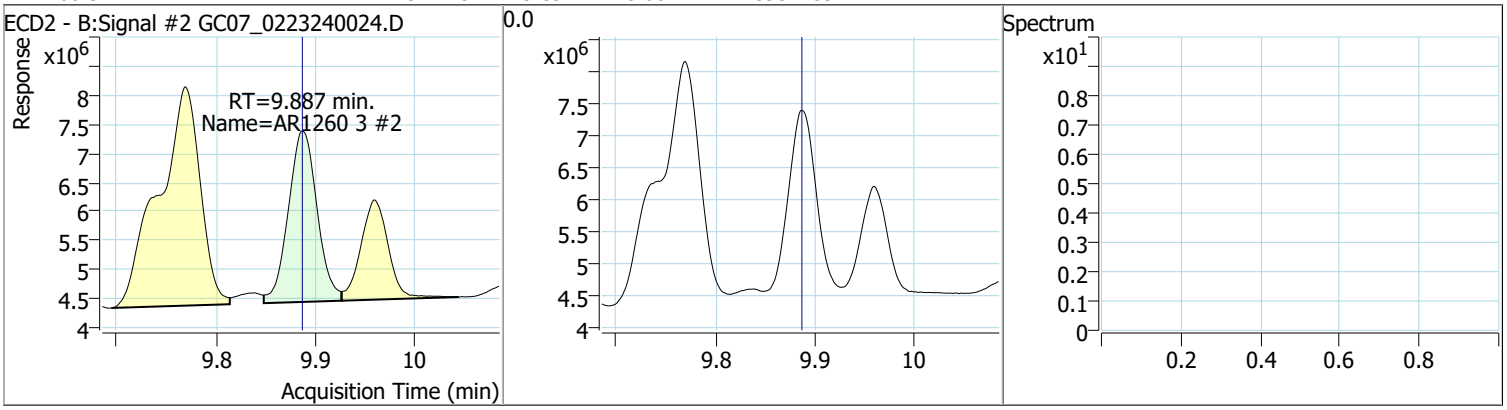
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 257.2242 | 9.05 | 0.00 | 35394184 (m) | | | | |



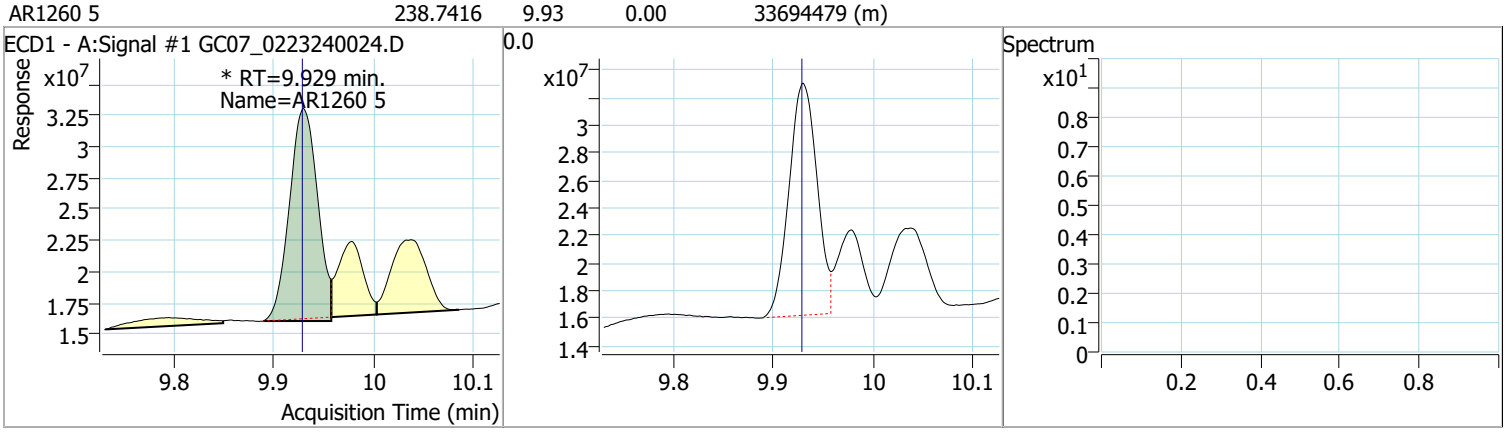

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 293.7199 | 9.22 | 0.00 | 9877361 | | | | |



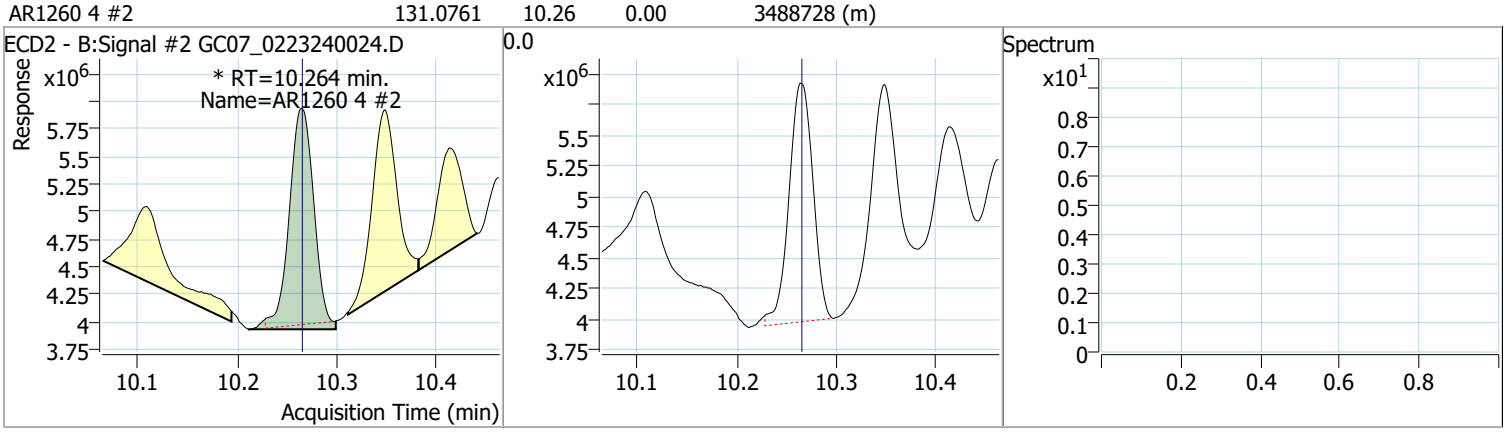

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 257.1284 | 9.89 | 0.00 | 5951759 | | | | |



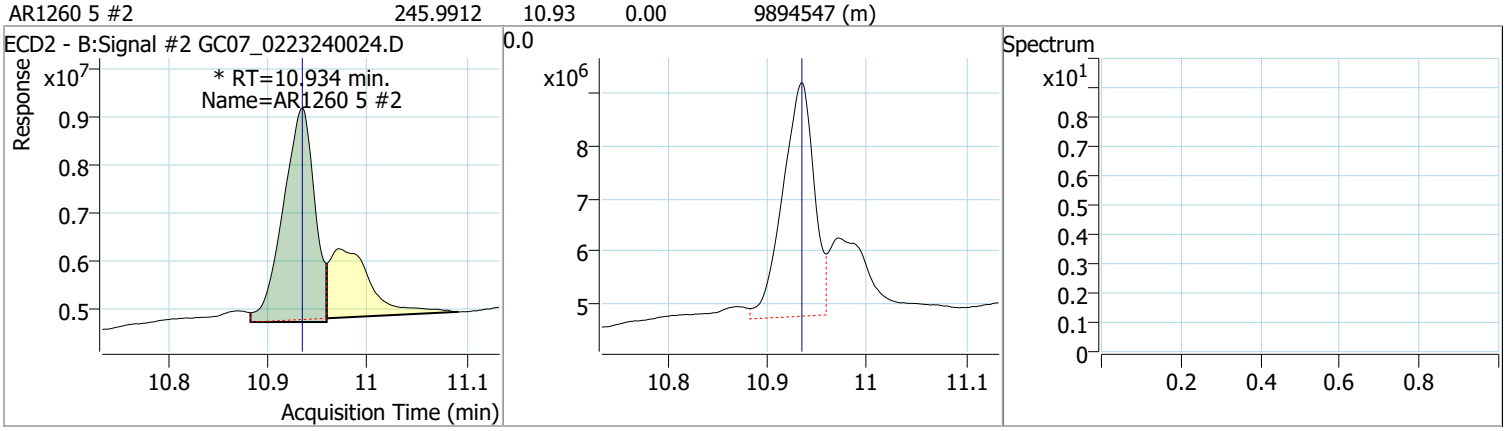

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 238.7416 | 9.93 | 0.00 | 33694479 (m) | | | | |



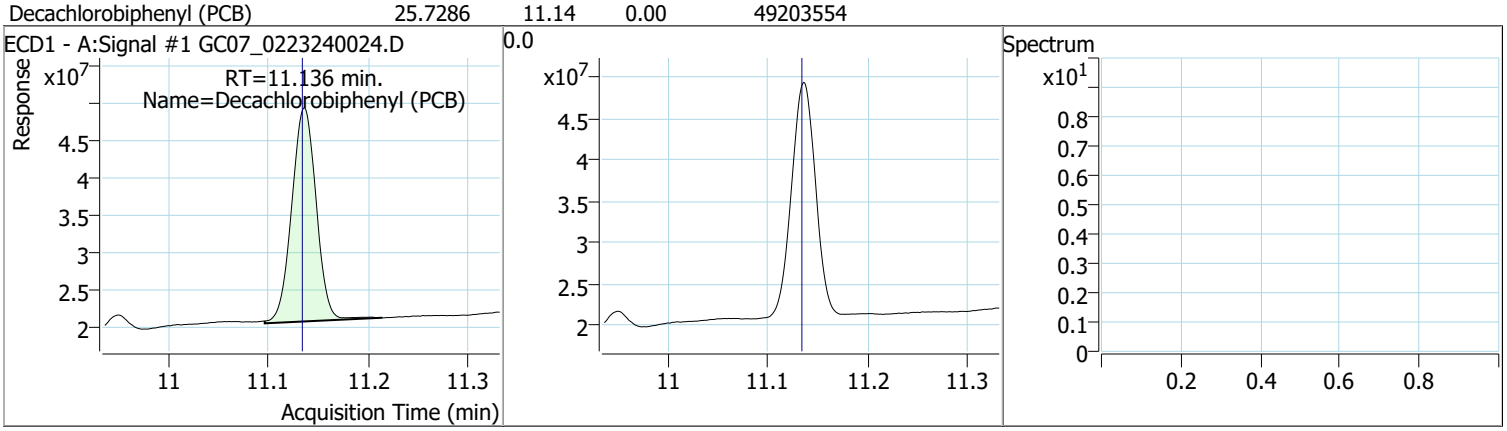
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 131.0761 | 10.26 | 0.00 | 3488728 (m) | | | | |



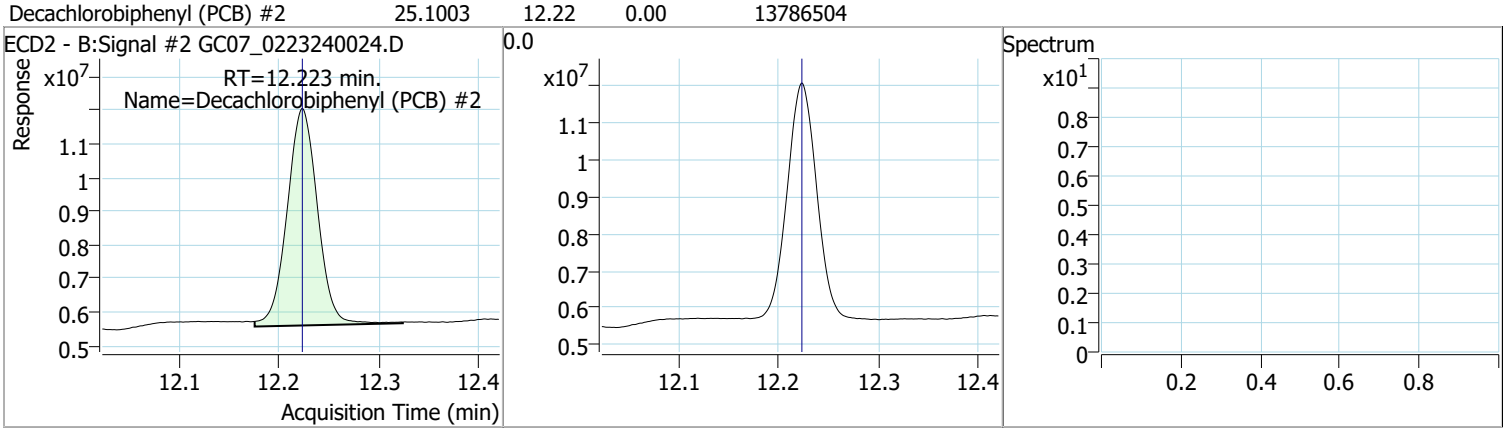

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 245.9912 | 10.93 | 0.00 | 9894547 (m) | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 25.7286 | 11.14 | 0.00 | 49203554 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 25.1003 | 12.22 | 0.00 | 13786504 | | | | |



ENTHALPY SPIKE USER REPORT FOR 502501 PCBS Wipe

EPA 8082

| | | | |
|---|---|---|---|
| Type: | BS | Type: | BSD |
| Inst: | SVOA-GC07 | Inst: | SVOA-GC07 |
| Seqnum: | 464080159008.1 | Seqnum: | 464080159009.1 |
| File: | gc07_0224240008 | File: | gc07_0224240009 |
| IDF: | 1.0 | IDF: | 1.0 |
| Lab ID: | QC1130129 | Lab ID: | QC1130130 |
| Matrix: | Wipe | Matrix: | Wipe |
| Batch: | 333612 | Batch: | 333612 |
| Time: | 24-FEB-2024 17:14 | Time: | 24-FEB-2024 17:32 |
| Cal: | 464074251001 | Cal: | 464074251001 |
| Units: | ug/dm2 | | |

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | 5.000 | 328.7 | 3.287 | A | 66 | 338.9 | 3.389 | A | 68 | 60-140 | 3 | 20 | u |
| Aroclor-1016 Peak # 1 | | 346.2 | 3.462 | A | | 363.5 | 3.635 | A | | | | | |
| Aroclor-1016 Peak # 2 | | 324.8 | 3.248 | A | | 338.9 | 3.389 | A | | | | | |
| Aroclor-1016 Peak # 3 | | 332.2 | 3.322 | A | | 336.3 | 3.363 | A | | | | | |
| Aroclor-1016 Peak # 4 | | 343.3 | 3.433 | A | | 351.9 | 3.519 | A | | | | | |
| Aroclor-1016 Peak # 5 | | 297.1 | 2.971 | A | | 303.9 | 3.039 | A | | | | | |
| **Aroclor-1260** | 5.000 | 324.0 | 3.240 | A | 65 | 334.6 | 3.346 | A | 67 | 60-140 | 3 | 20 | u |
| Aroclor-1260 Peak # 1 | | 494.1 | 4.941 | A | | 494.4 | 4.944 | A | | | | | |
| Aroclor-1260 Peak # 2 | | 287.3 | 2.873 | A | | 301.8 | 3.018 | A | | | | | |
| Aroclor-1260 Peak # 3 | | 292.9 | 2.929 | A | | 308.6 | 3.086 | A | | | | | |
| Aroclor-1260 Peak # 4 | | 251.2 | 2.512 | A | | 263.2 | 2.632 | A | | | | | |
| Aroclor-1260 Peak # 5 | | 294.4 | 2.944 | A | | 305.3 | 3.053 | A | | | | | |
| Surrogates | | | | | | | | | | | | | |
| **TCMX (PCB)** | 0.5000 | 27.06 | 0.2706 | A | 54 | 27.37 | 0.2737 | A | 55 | 19-121 | | | c- u |
| **Decachlorobiphenyl (PCB)** | 0.5000 | 26.35 | 0.2635 | A | 53 | 27.20 | 0.2720 | A | 54 | 19-121 | | | c- u |

| ISTD (CCV gc07_0224240003) | Ch | CCV Abund | BS Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 8609201 | 10718453 | 24.50 |
| 1-bromo-2-nitrobenzene (PCB) | A | 45413329 | 52182318 | 14.91 |

| ISTD (CCV gc07_0224240003) | Ch | CCV RT | BS RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.90 | 3.90 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.64 | 3.64 | 0.00 |

| ISTD (CCV gc07_0224240003) | Ch | CCV Abund | BSD Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 8609201 | 11013906 | 27.93 |
| 1-bromo-2-nitrobenzene (PCB) | A | 45413329 | 53714737 | 18.28 |

| ISTD (CCV gc07_0224240003) | Ch | CCV RT | BSD RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.90 | 3.90 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.64 | 3.64 | 0.00 |

02/24/24 : WIPE/1S-10ML//RR [general version]

TRN 02/24/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

TRN 02/24/24 [Aroclor-1016 Peak # 5 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

TRN 02/24/24 [Aroclor-1016 Peak # 4 B]: Corrected baseline noise or negative peak for Ch. B for spike & dup. [general version]

TRN 02/24/24 [Aroclor-1260 Peak # 1 A]: Corrected baseline noise or negative peak for Ch. A for spike & dup. [general version]

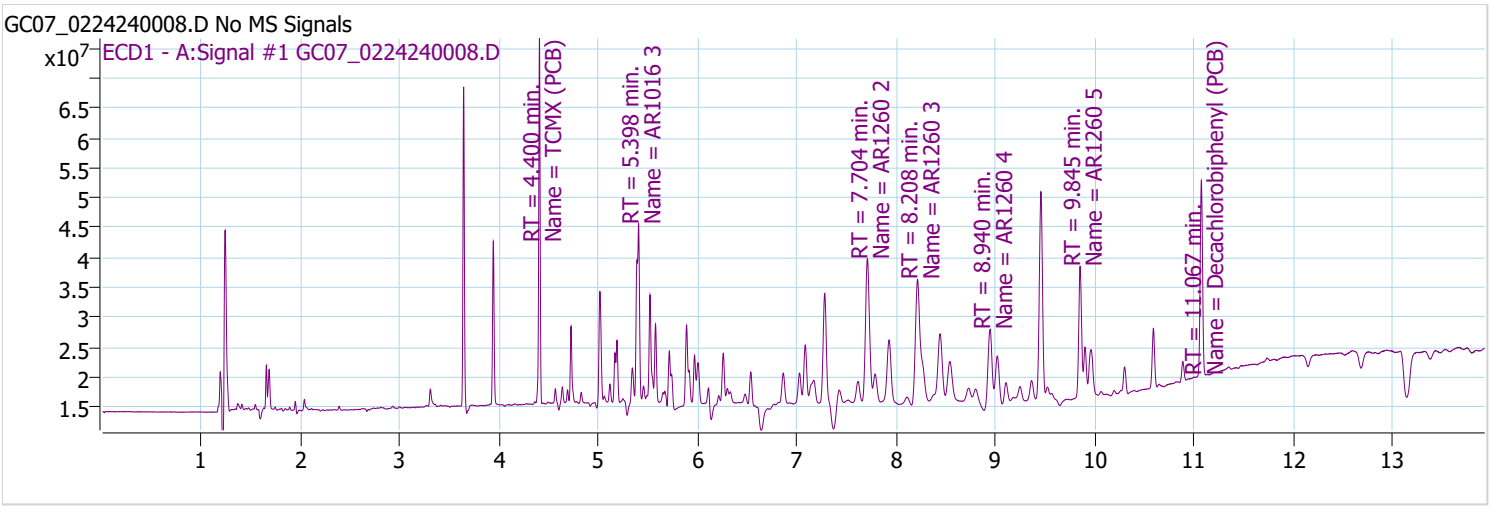
*-=low bias c=CCV u=use*

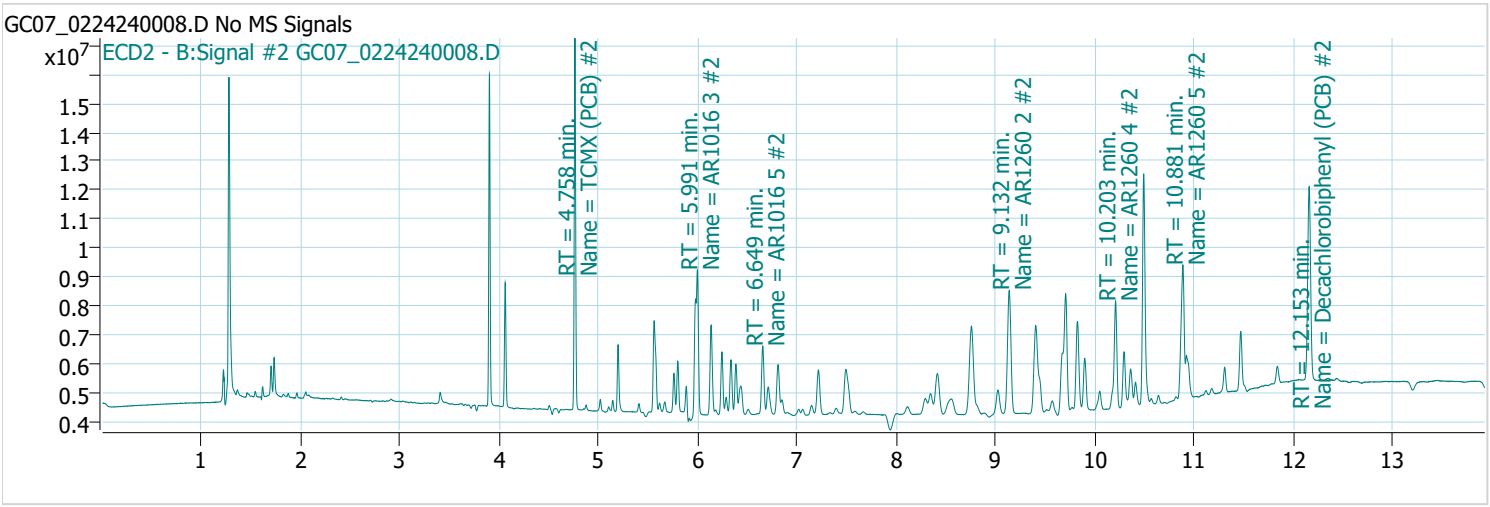
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**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0224240008.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/24/2024 5:14:47 PM |
| Sample Name | QC1130129, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 1 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_5.m | Comment | WIPE/1S-10ML//RR |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022424PCB.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



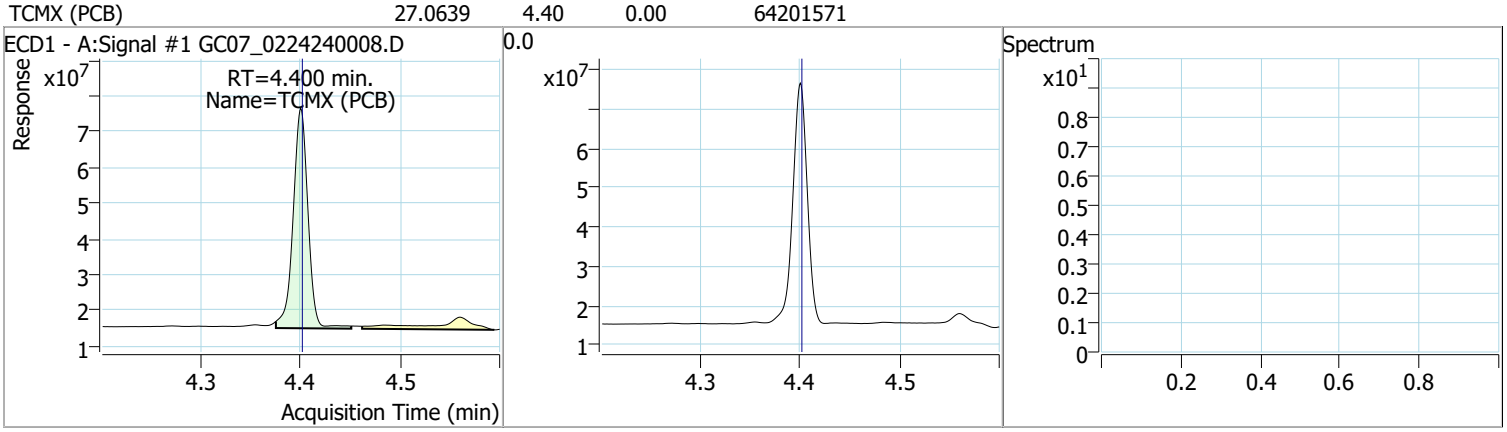




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.637 | 0.0 | 52182317.561 | 20.0000 | ng/ml | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.896 | 0.0 | 10718453.311 | 20.0000 | ng/ml | -0.001 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.400 | 0.0 | 64201571.257 | 27.0639 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 135.32% | | |
| S TCMX (PCB) #2 | 4.758 | 0.0 | 13171160.621 | 28.1951 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 140.98% | | |
| S Decachlorobiphenyl (PCB) | 11.067 | 0.0 | 54941584.033 | 26.3495 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 131.75% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.153 | 0.0 | 13895040.439 | 22.7741 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 113.87% | | |
| **Target Compounds** | | | | | | QValue |

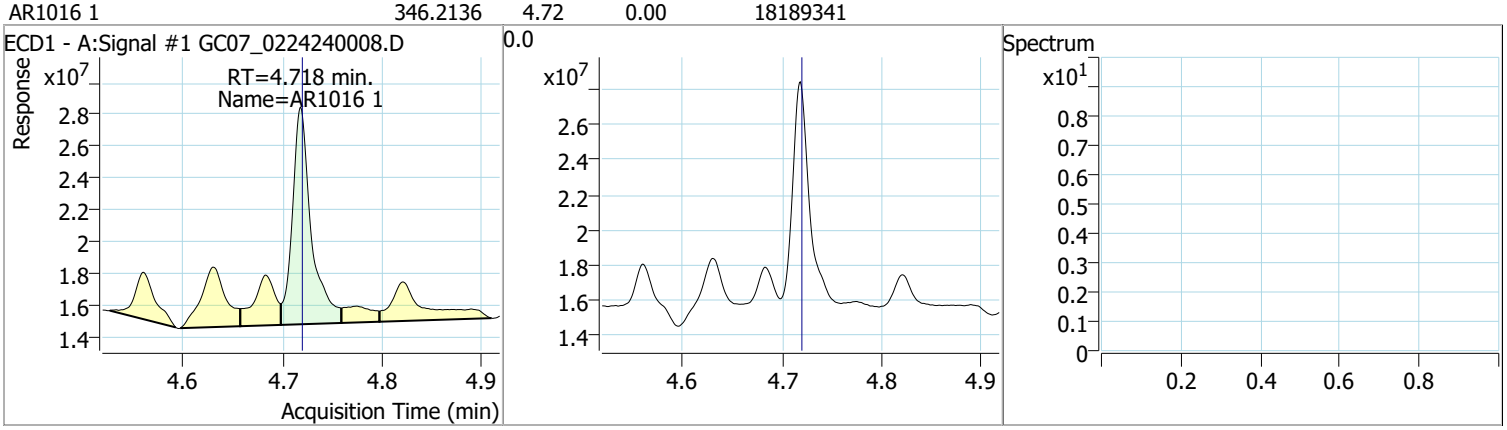
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.718 | 0.0 | 18189340.639 | 346.2136 | ng/ml | | 100 |
| T AR1016 2 | 5.009 | 0.0 | 30040596.664 | 324.7964 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.192 | 0.0 | 2855624.456 | 285.4470 | ng/ml | | 100 |
| T AR1016 3 | 5.398 | 0.0 | 40877777.251 | 332.1578 | ng/ml | m | 100 |
| T AR1016 4 | 5.513 | 0.0 | 28476057.164 | 343.3077 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.555 | 0.0 | 6132410.340 | 307.2678 | ng/ml | | 100 |
| T AR1016 5 | 5.882 | 0.0 | 21827798.331 | 297.1433 | ng/ml | m | 100 |
| T AR1016 3 #2 | 5.991 | 0.0 | 7540039.925 | 274.7634 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.129 | 0.0 | 5122801.491 | 282.2883 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.649 | 0.0 | 4043136.034 | 276.1448 | ng/ml | | 100 |
| T AR1260 1 | 7.273 | 0.0 | 72779652.813 | 494.0821 | ng/ml | m | 100 |
| T AR1260 2 | 7.704 | 0.0 | 67847766.911 | 287.2728 | ng/ml | | 100 |
| T AR1260 3 | 8.208 | 0.0 | 78337497.630 | 292.8569 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.751 | 0.0 | 9858591.073 | 288.6119 | ng/ml | | 100 |
| T AR1260 4 | 8.940 | 0.0 | 37691652.592 | 251.2327 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.132 | 0.0 | 10934450.998 | 292.7162 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.819 | 0.0 | 6577794.521 | 255.8246 | ng/ml | | 100 |
| T AR1260 5 | 9.845 | 0.0 | 45306954.814 | 294.4322 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.203 | 0.0 | 7644110.131 | 258.5477 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.881 | 0.0 | 10399407.852 | 232.7499 | ng/ml | | 100 |

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

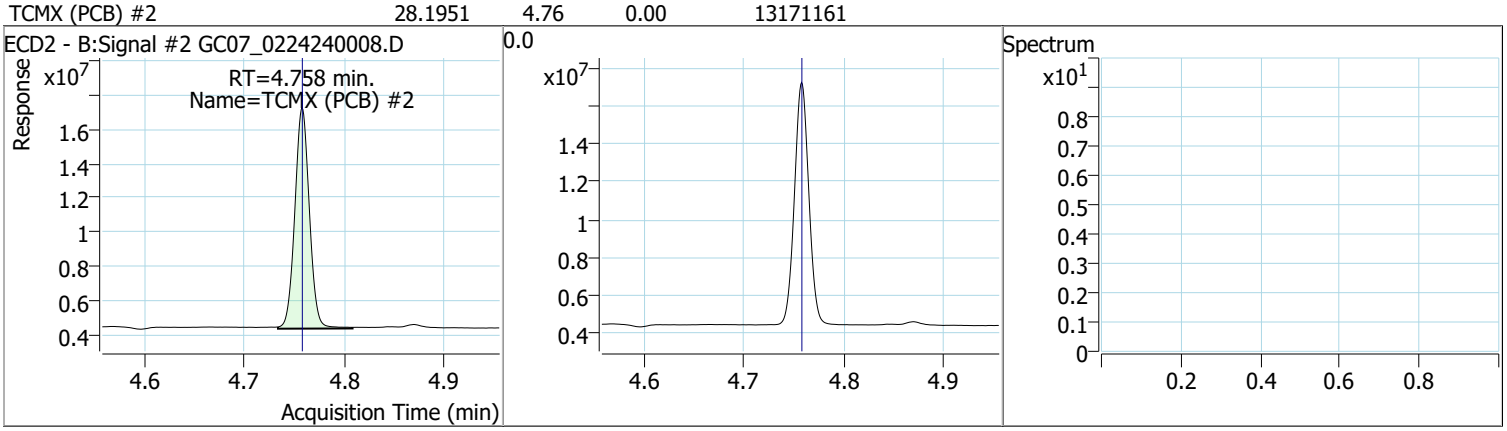
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 27.0639 | 4.40 | 0.00 | 64201571 | | | | |



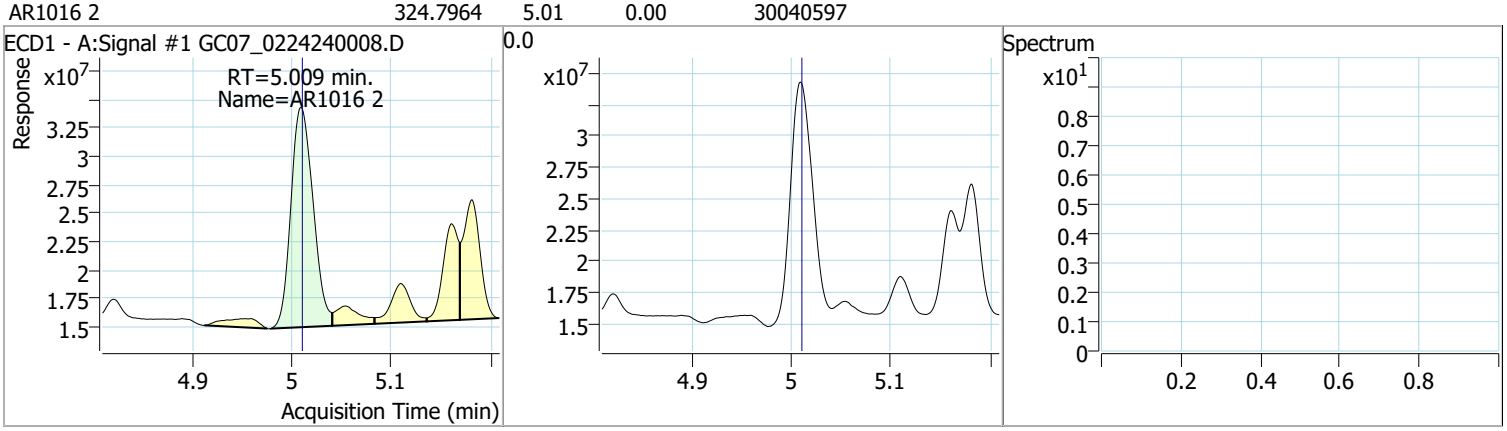

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 346.2136 | 4.72 | 0.00 | 18189341 | | | | |



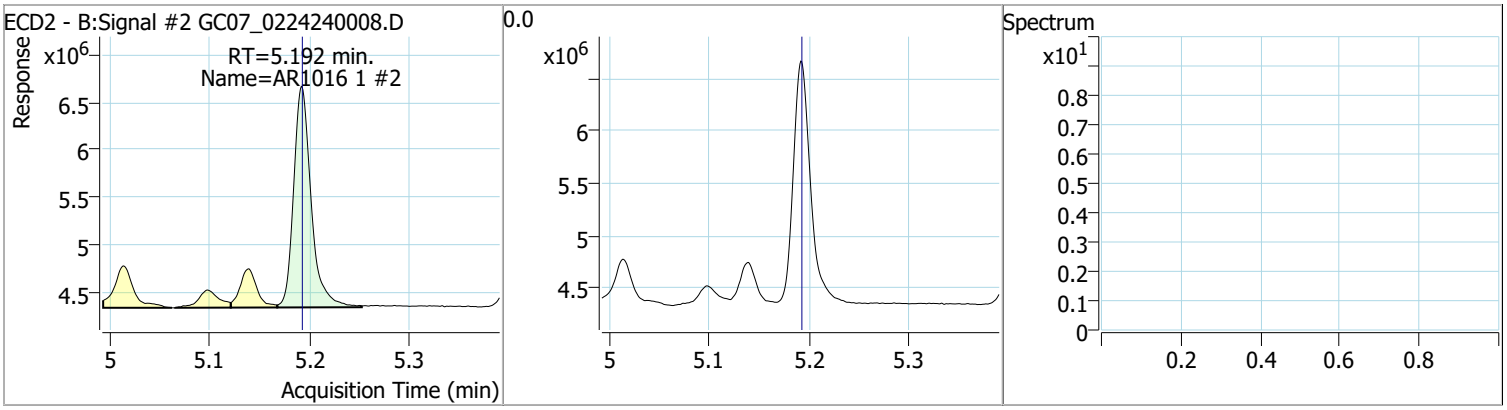

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 28.1951 | 4.76 | 0.00 | 13171161 | | | | |



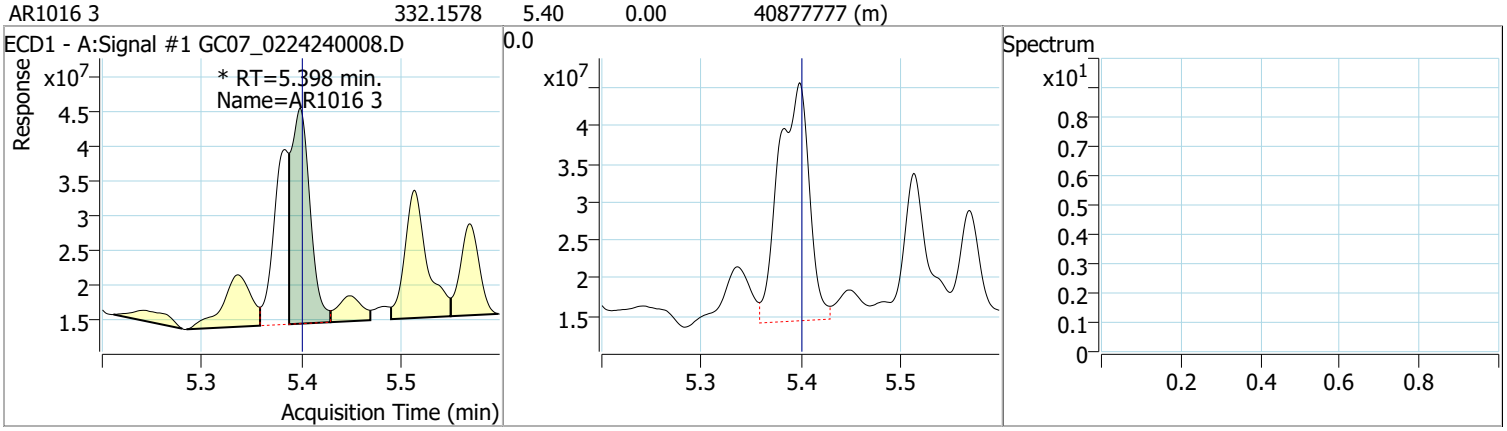

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 324.7964 | 5.01 | 0.00 | 30040597 | | | | |



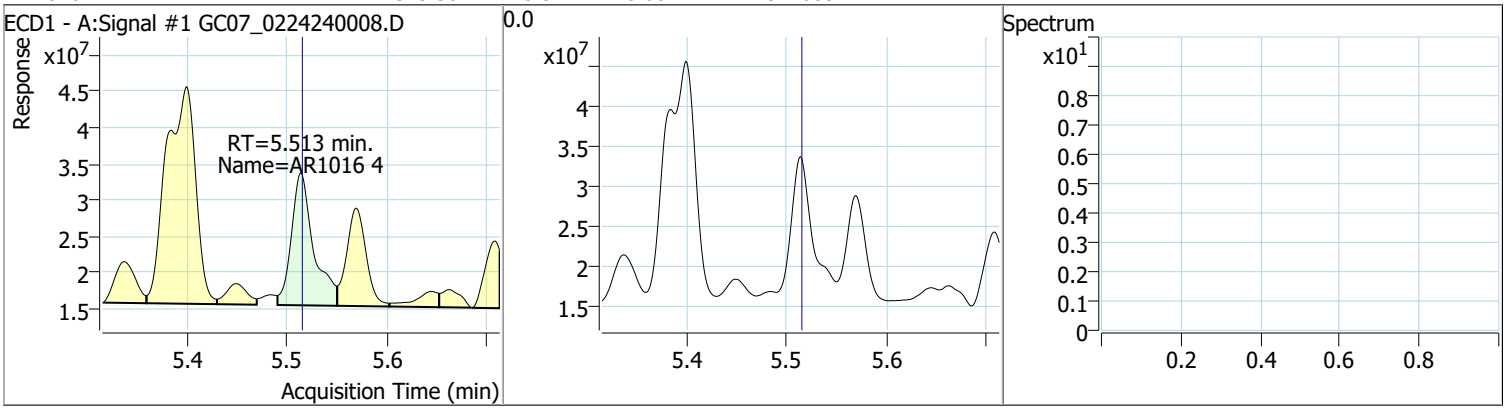
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 285.4470 | 5.19 | 0.00 | 2855624 | | | | |



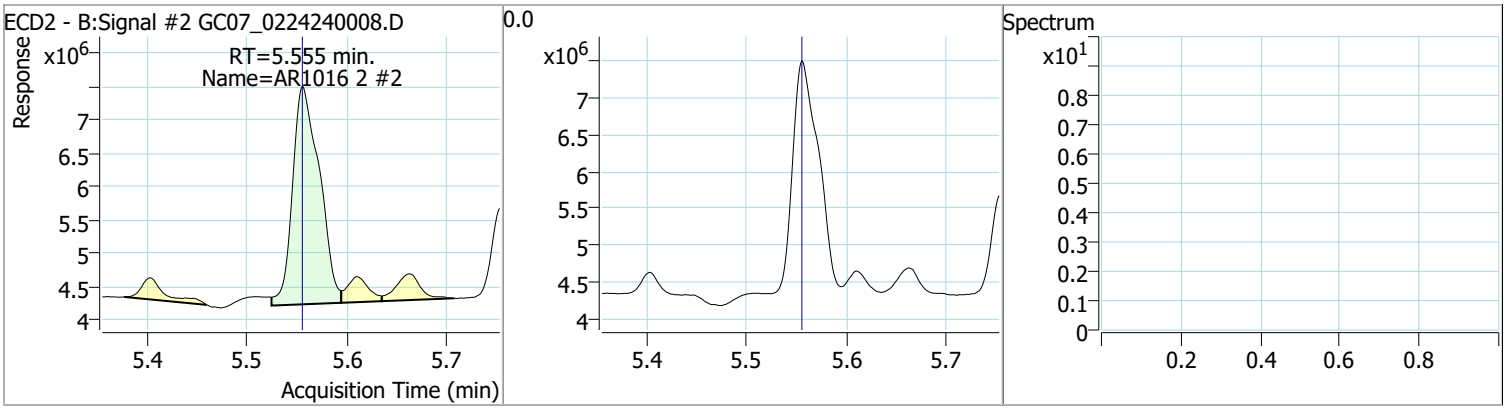

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 332.1578 | 5.40 | 0.00 | 40877777 (m) | | | | |



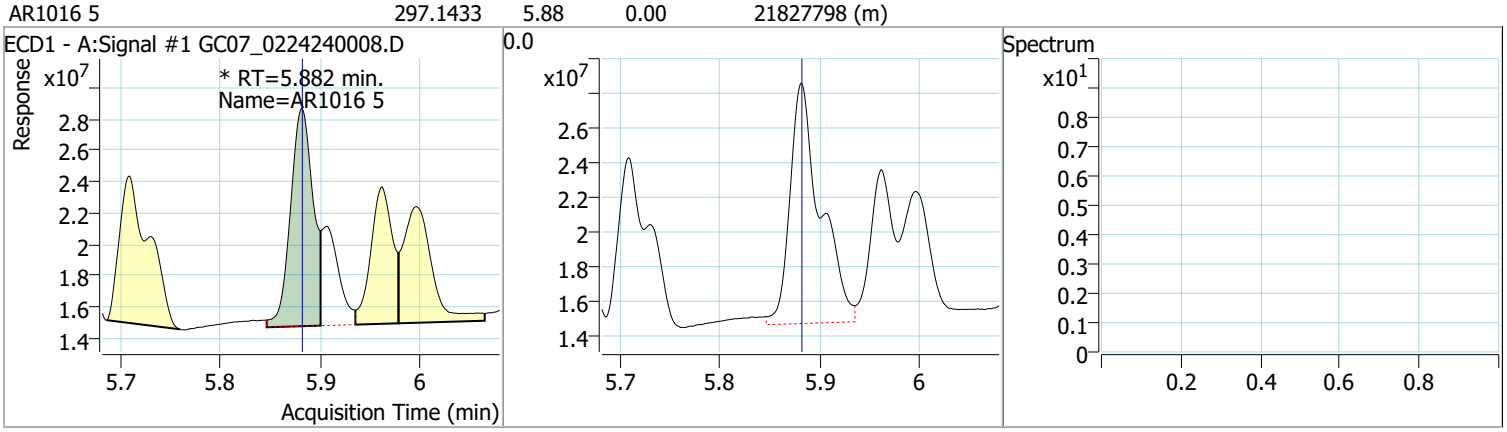

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 343.3077 | 5.51 | 0.00 | 28476057 | | | | |



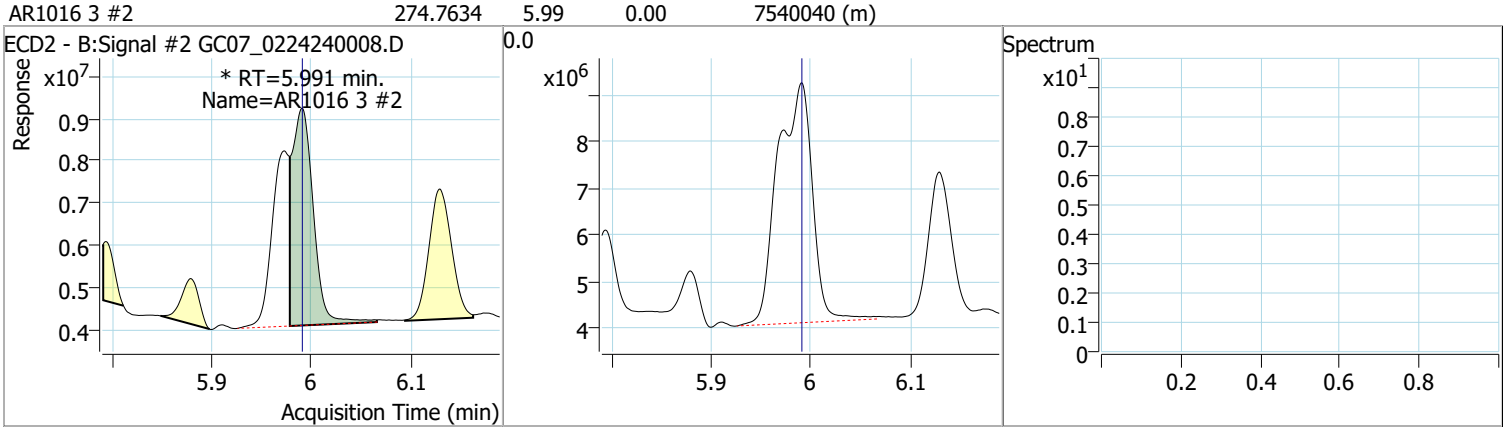

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 307.2678 | 5.56 | 0.00 | 6132410 | | | | |



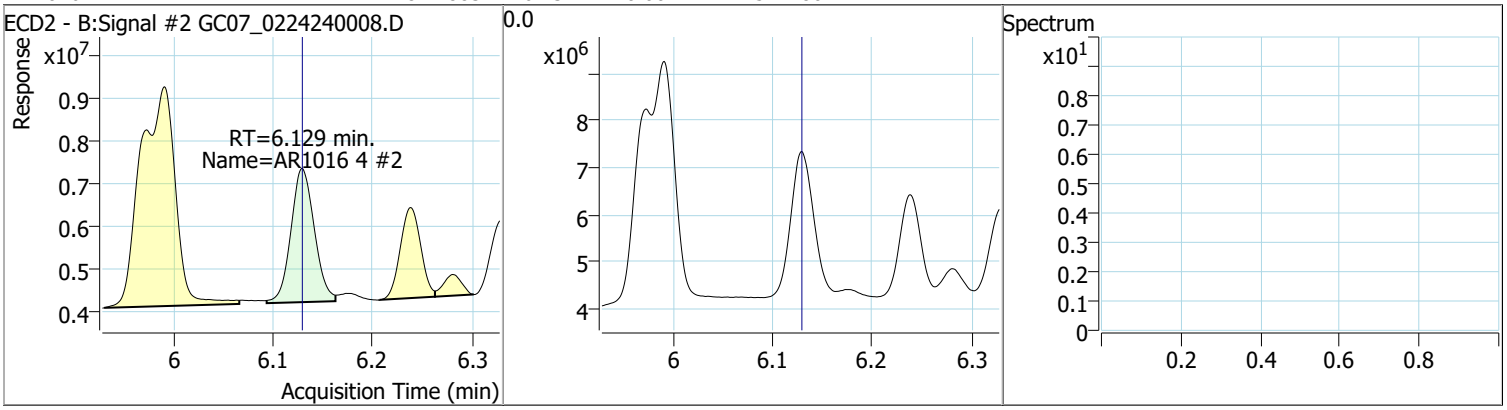
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 297.1433 | 5.88 | 0.00 | 21827798 (m) | | | | |



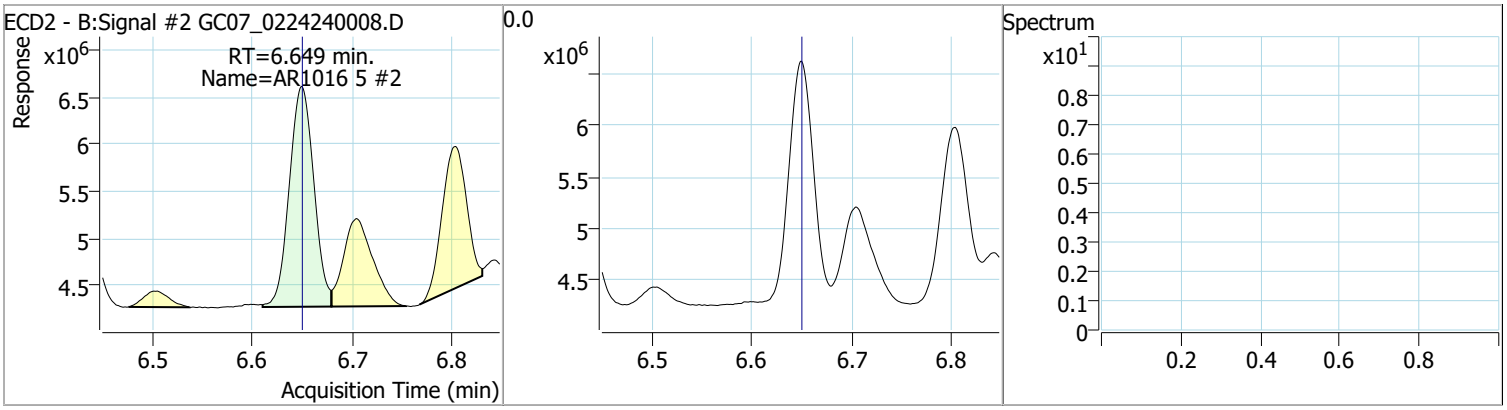

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 274.7634 | 5.99 | 0.00 | 7540040 (m) | | | | |



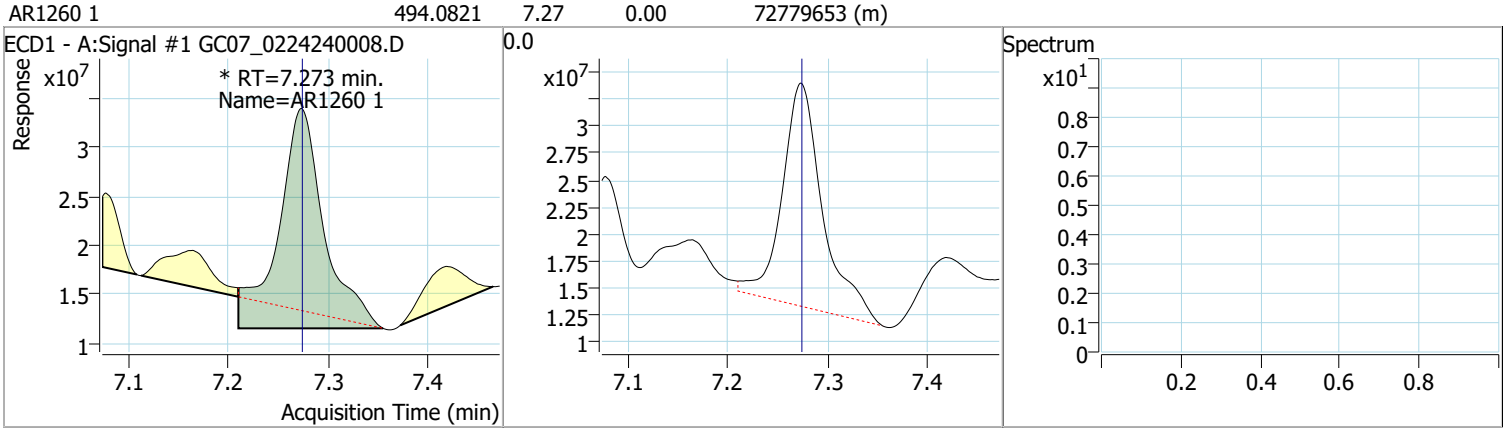

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 282.2883 | 6.13 | 0.00 | 5122801 | | | | |



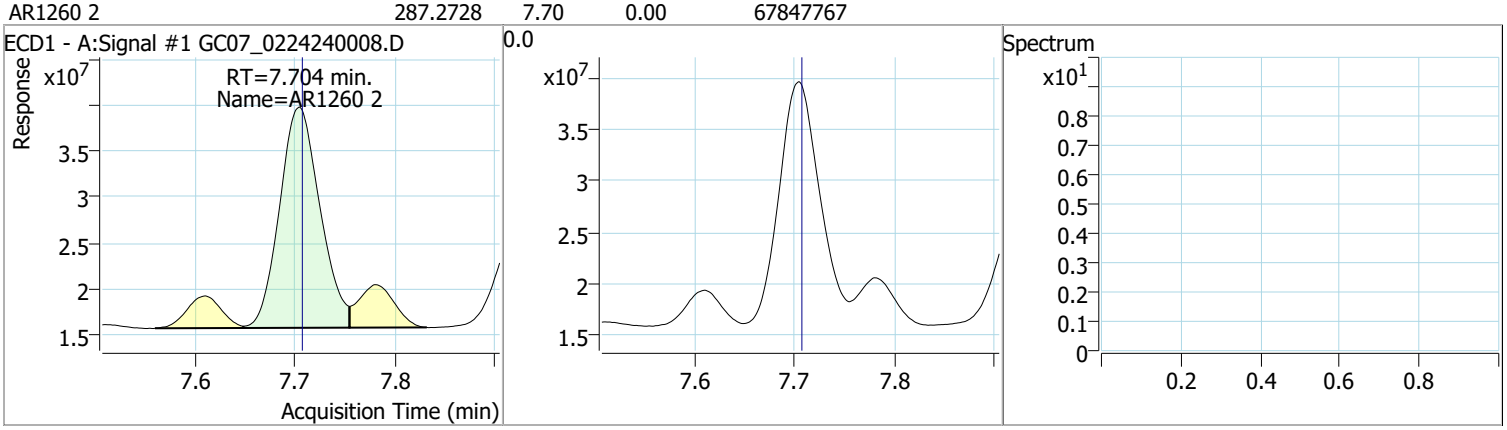

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 276.1448 | 6.65 | 0.00 | 4043136 | | | | |



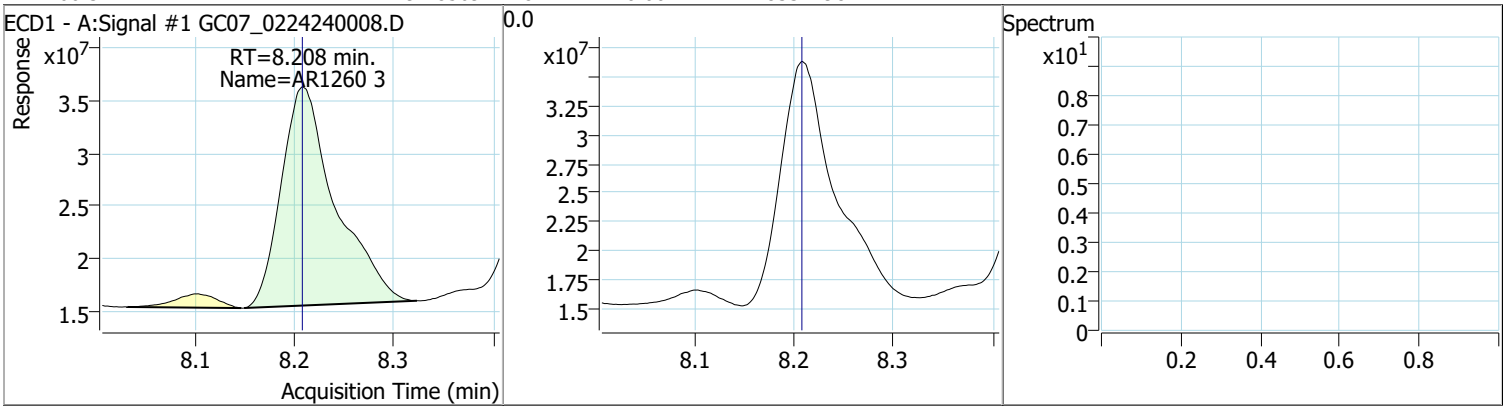
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 494.0821 | 7.27 | 0.00 | 72779653 (m) | | | | |



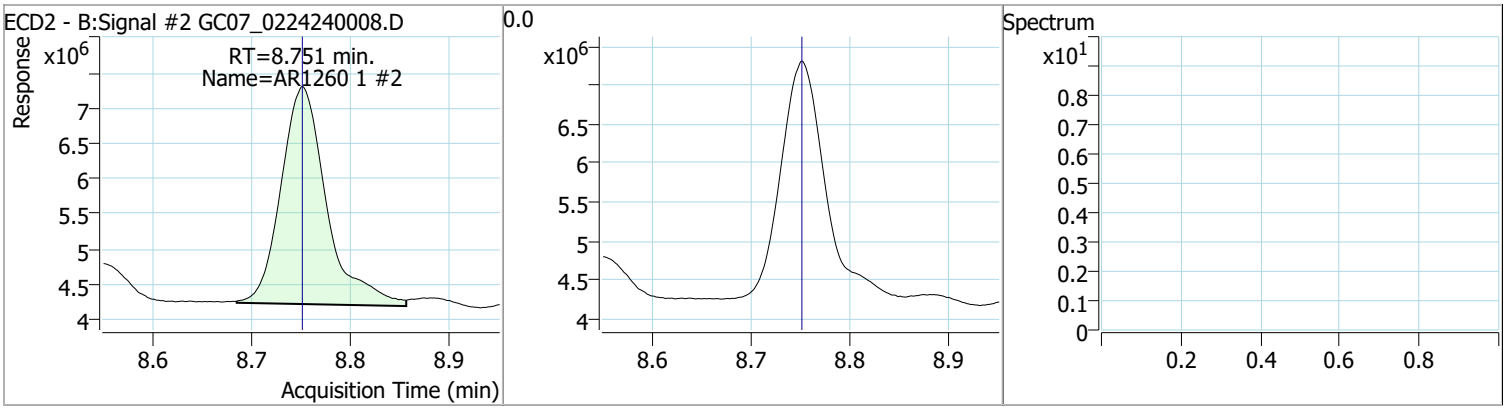

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 287.2728 | 7.70 | 0.00 | 67847767 | | | | |



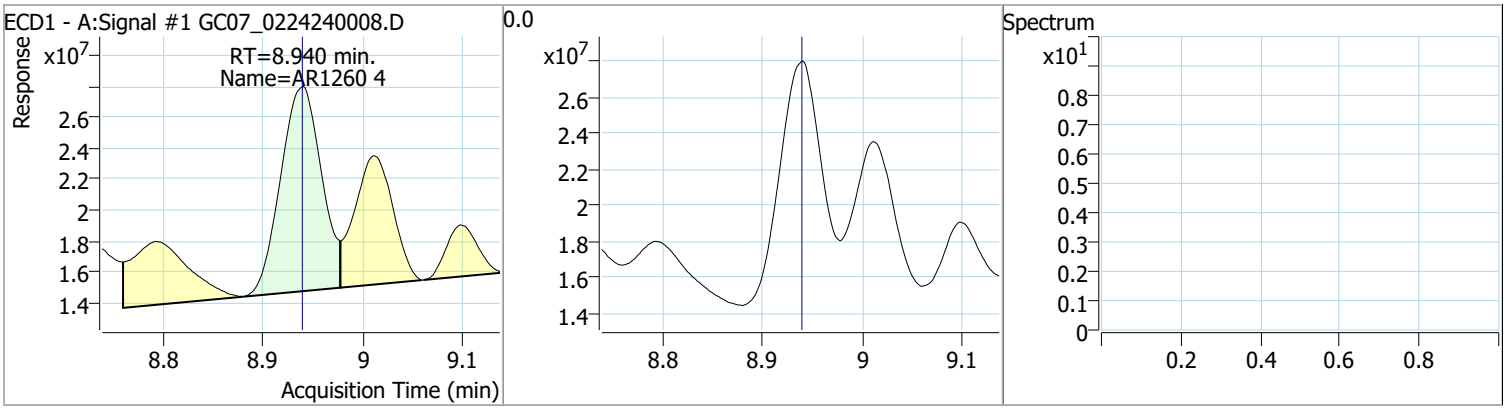

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 292.8569 | 8.21 | 0.00 | 78337498 | | | | |



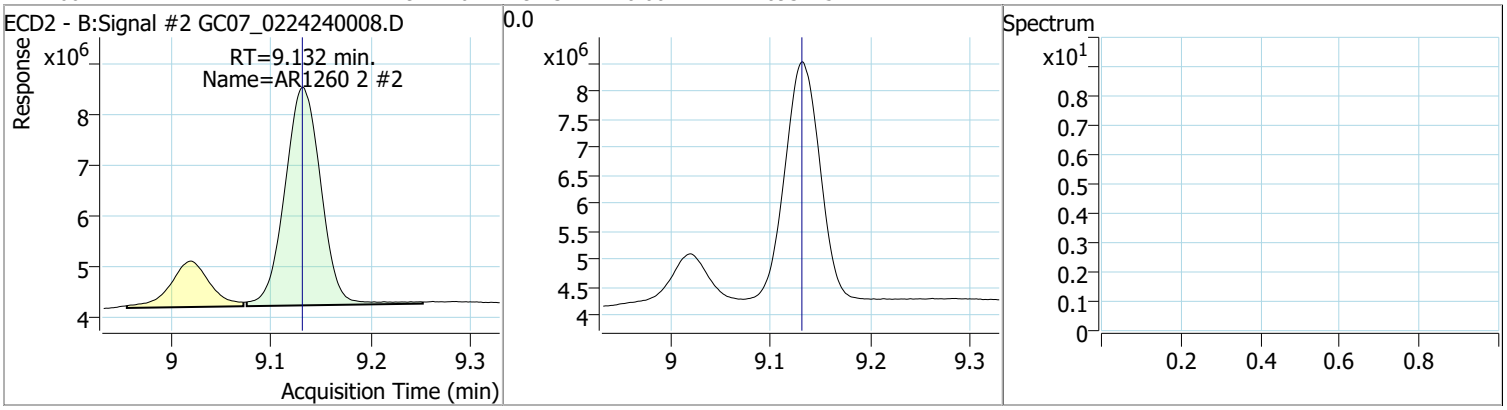

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 288.6119 | 8.75 | 0.00 | 9858591 | | | | |



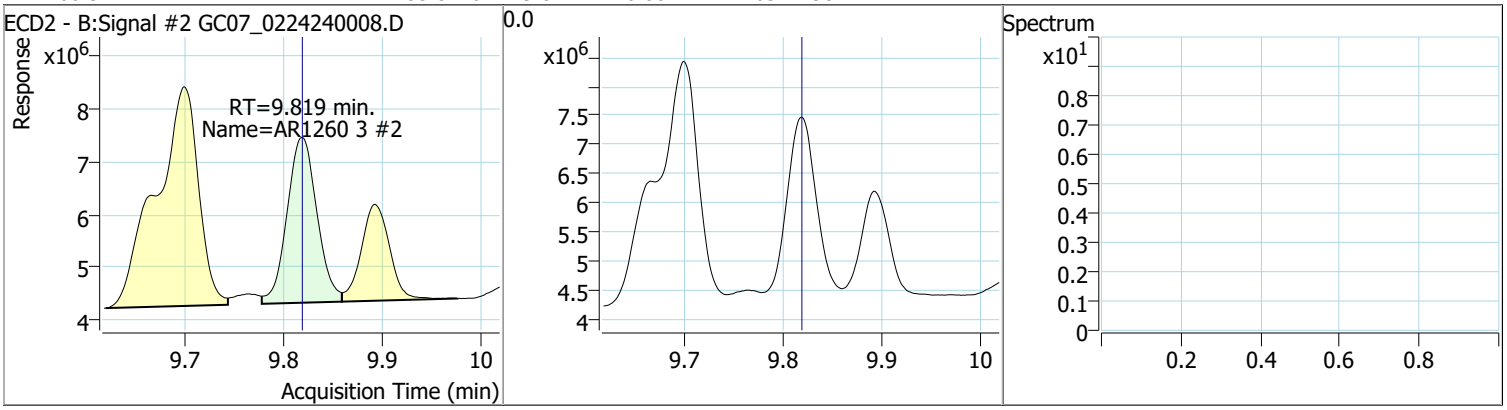
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 251.2327 | 8.94 | 0.00 | 37691653 | | | | |



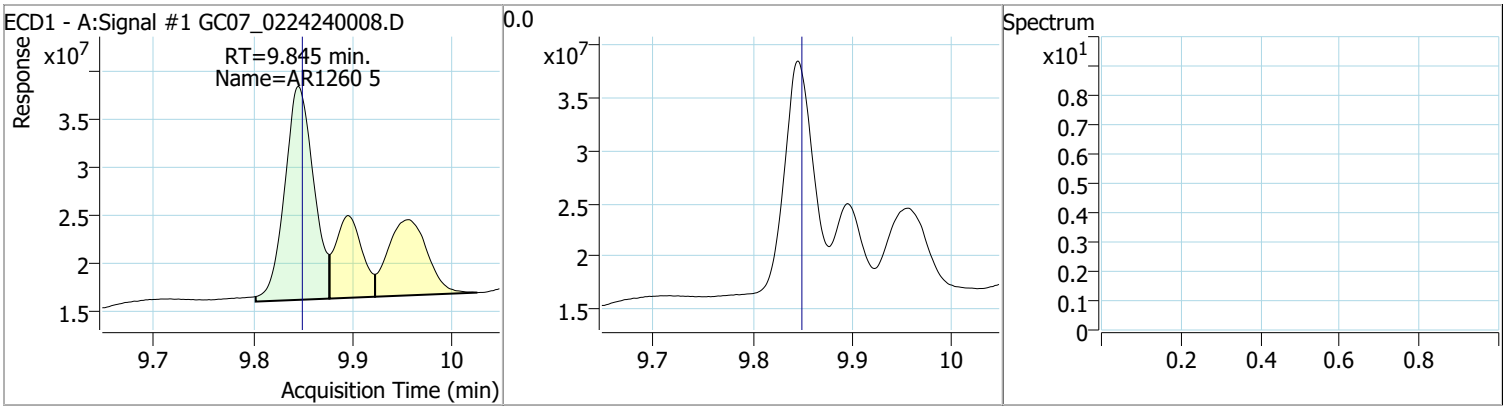

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 292.7162 | 9.13 | 0.00 | 10934451 | | | | |



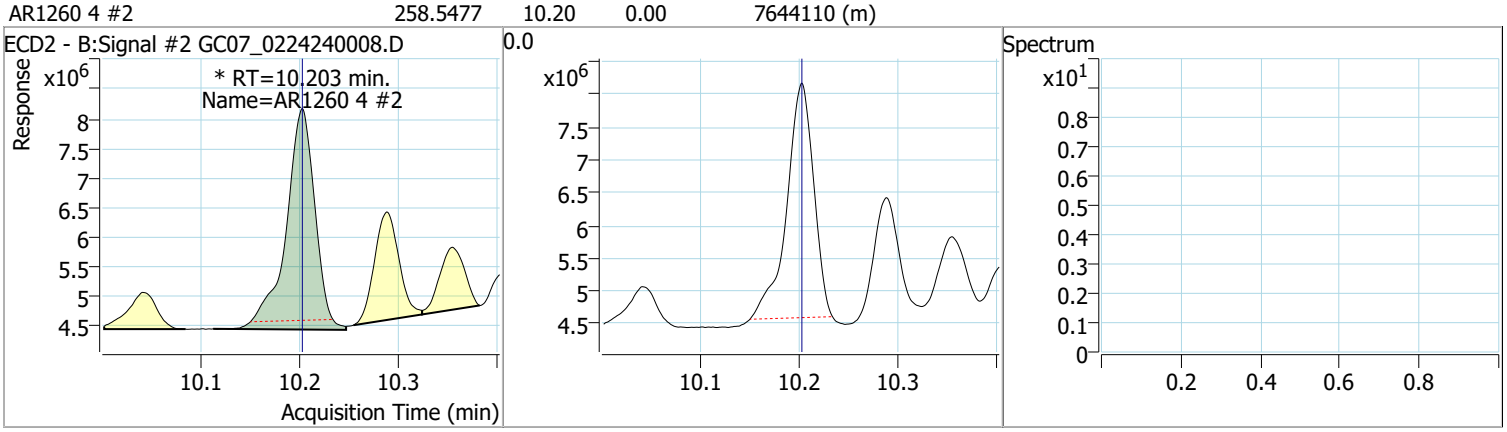

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 255.8246 | 9.82 | 0.00 | 6577795 | | | | |



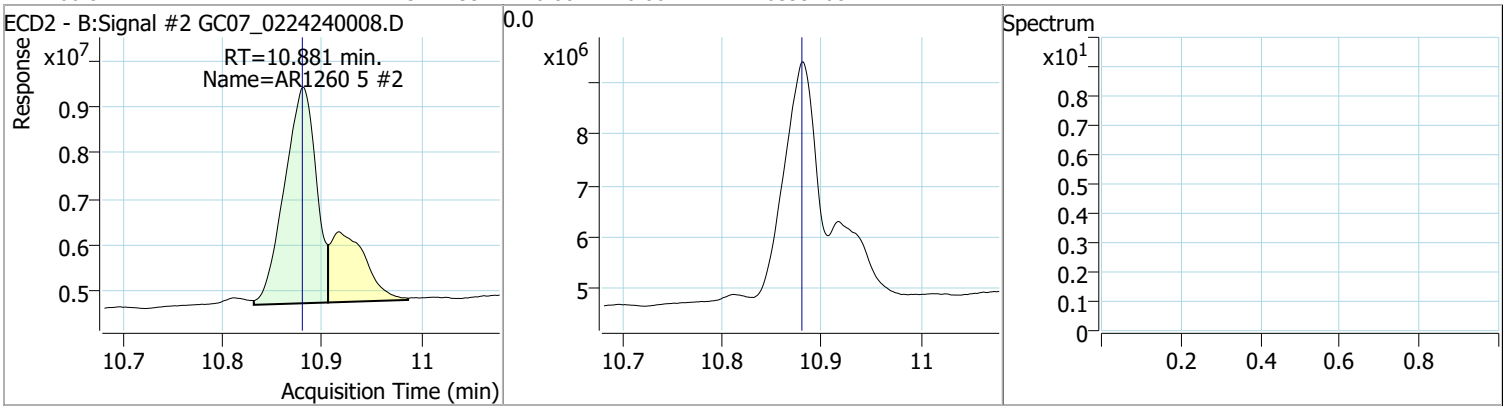

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 294.4322 | 9.85 | 0.00 | 45306955 | | | | |



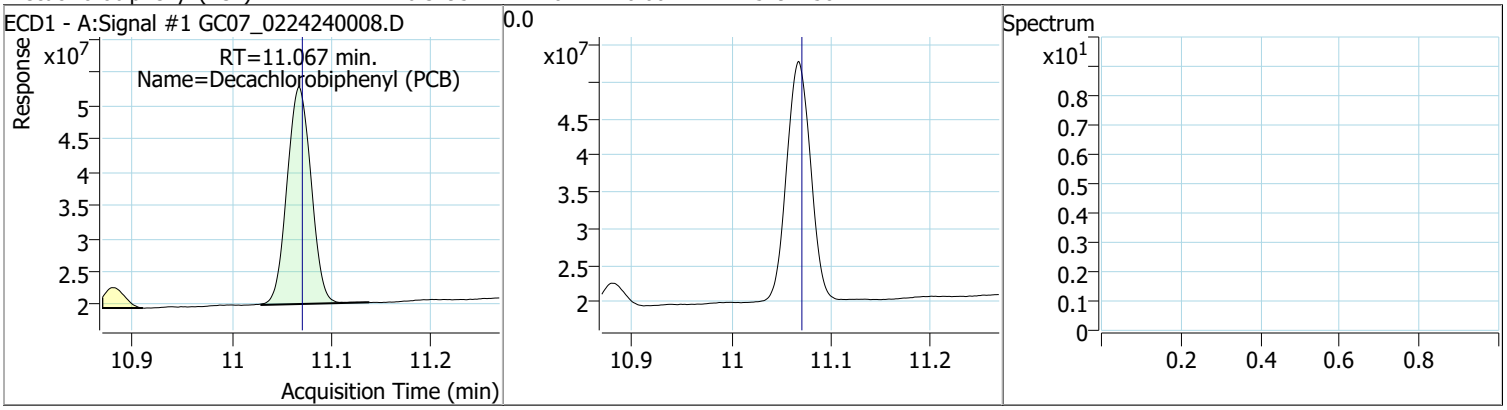
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 258.5477 | 10.20 | 0.00 | 7644110 (m) | | | | |



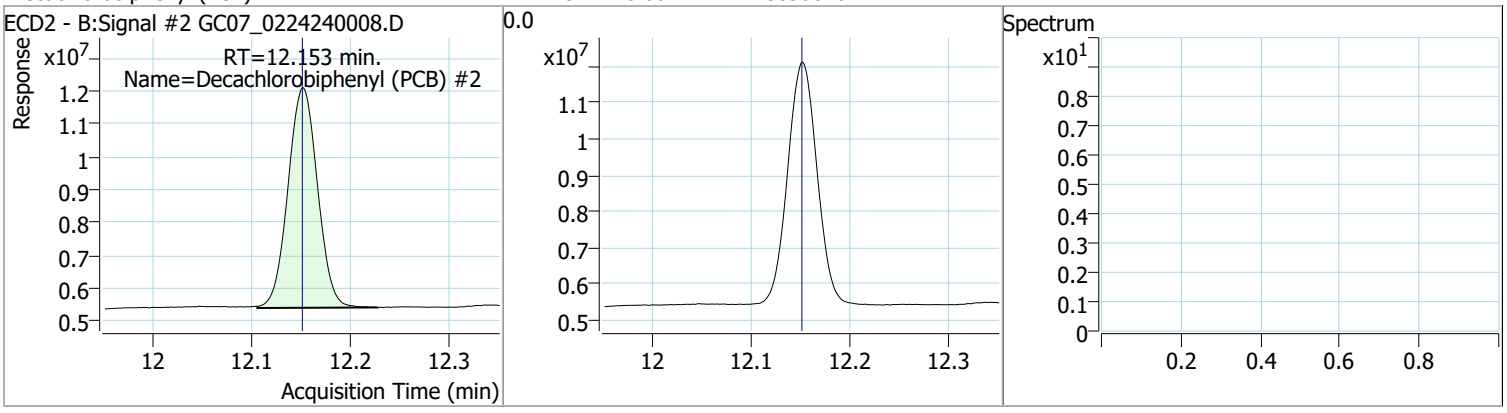

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 232.7499 | 10.88 | 0.00 | 10399408 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 26.3495 | 11.07 | 0.00 | 54941584 | | | | |

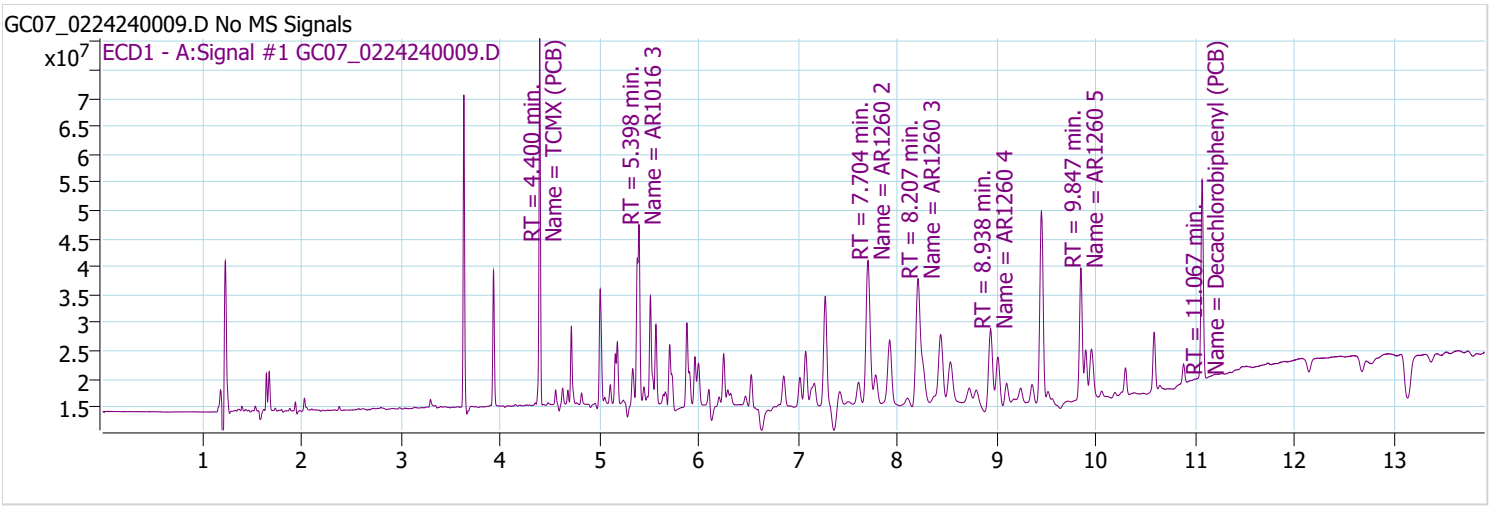


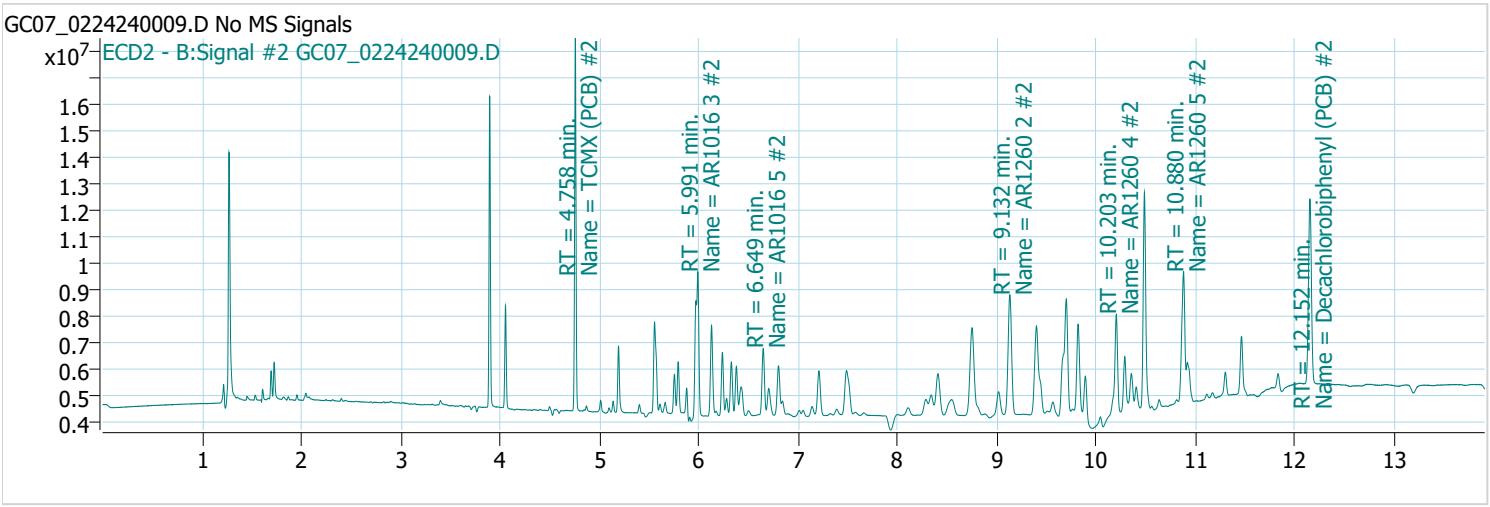

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 22.7741 | 12.15 | 0.00 | 13895040 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0224240009.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/24/2024 5:32:12 PM |
| Sample Name | QC1130130, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 2 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_5.m | Comment | WIPE/1S-10ML//RR |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022424PCB.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



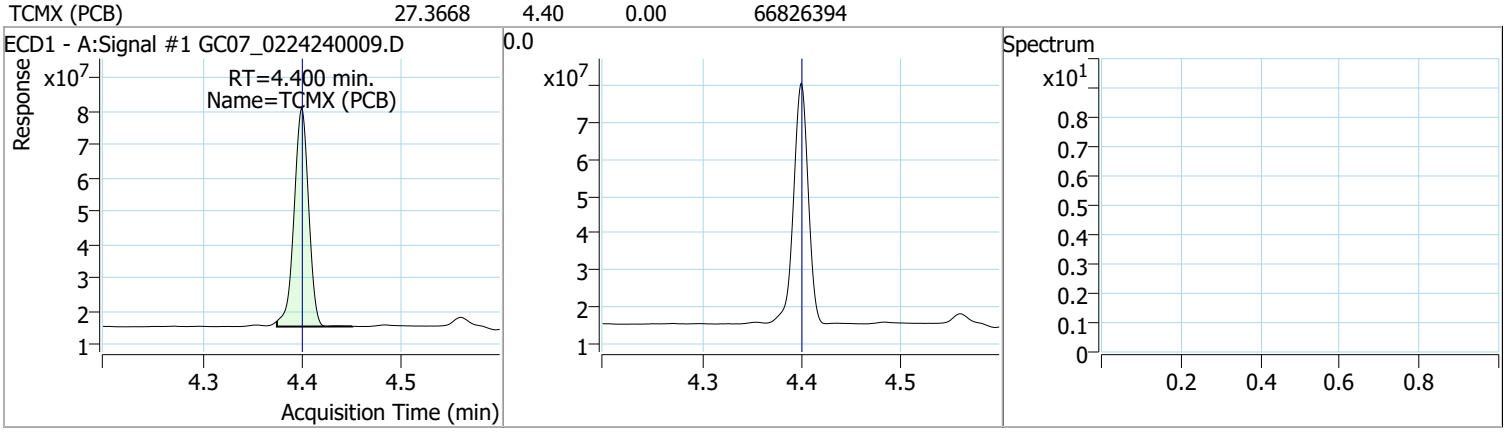




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.636 | 0.0 | 53714736.833 | 20.0000 | ng/ml | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.896 | 0.0 | 11013905.671 | 20.0000 | ng/ml | -0.001 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.400 | 0.0 | 66826393.688 | 27.3668 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 136.83% | | |
| S TCMX (PCB) #2 | 4.758 | 0.0 | 14342727.104 | 29.8794 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 149.40% | | |
| S Decachlorobiphenyl (PCB) | 11.067 | 0.0 | 58376722.390 | 27.1982 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 135.99% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.152 | 0.0 | 14830876.100 | 23.6559 | ng/ml | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 118.28% | | |
| **Target Compounds** | | | | | | QValue |

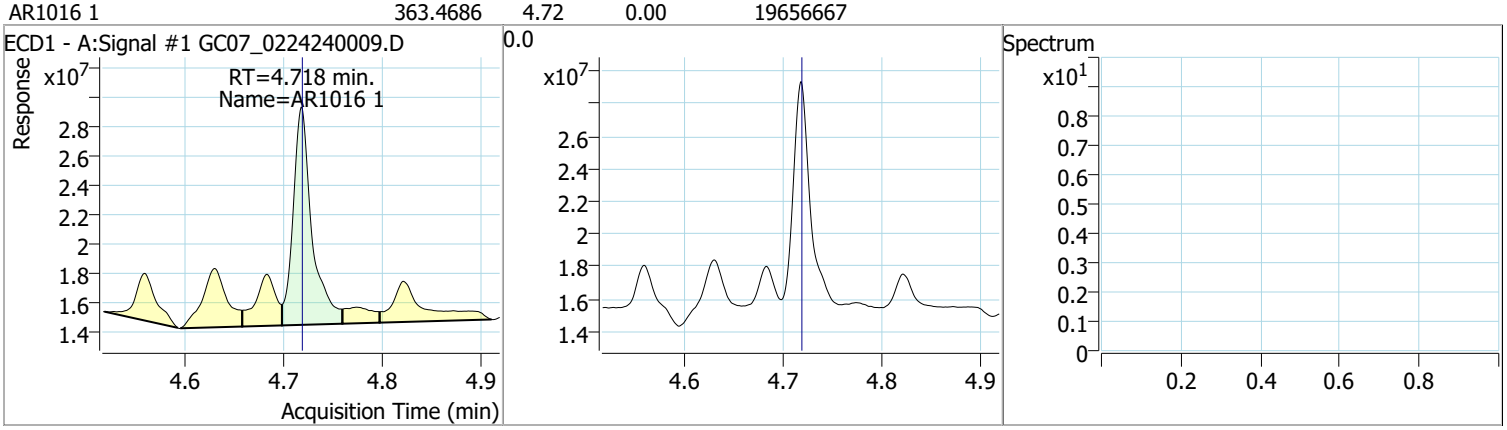
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.718 | 0.0 | 19656666.984 | 363.4686 | ng/ml | | 100 |
| T AR1016 2 | 5.008 | 0.0 | 32264746.172 | 338.8916 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.193 | 0.0 | 3134085.575 | 304.8779 | ng/ml | | 100 |
| T AR1016 3 | 5.398 | 0.0 | 42602445.323 | 336.2959 | ng/ml | m | 100 |
| T AR1016 4 | 5.513 | 0.0 | 30045729.856 | 351.8977 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.556 | 0.0 | 6658968.199 | 324.7010 | ng/ml | | 100 |
| T AR1016 5 | 5.881 | 0.0 | 22981315.404 | 303.9211 | ng/ml | m | 100 |
| T AR1016 3 #2 | 5.991 | 0.0 | 8350099.163 | 296.1200 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.129 | 0.0 | 5533576.616 | 296.7441 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.649 | 0.0 | 4426496.976 | 294.2182 | ng/ml | | 100 |
| T AR1260 1 | 7.273 | 0.0 | 74961014.891 | 494.3727 | ng/ml | m | 100 |
| T AR1260 2 | 7.704 | 0.0 | 73379245.074 | 301.8298 | ng/ml | | 100 |
| T AR1260 3 | 8.207 | 0.0 | 84959475.594 | 308.5514 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.752 | 0.0 | 10628556.253 | 302.8060 | ng/ml | | 100 |
| T AR1260 4 | 8.938 | 0.0 | 40641407.884 | 263.1660 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.132 | 0.0 | 11775988.924 | 306.7877 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.818 | 0.0 | 8618658.840 | 326.2063 | ng/ml | | 100 |
| T AR1260 5 | 9.847 | 0.0 | 48354355.264 | 305.2713 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.203 | 0.0 | 8554187.145 | 281.5679 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.880 | 0.0 | 11112791.484 | 242.0443 | ng/ml | | 100 |

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

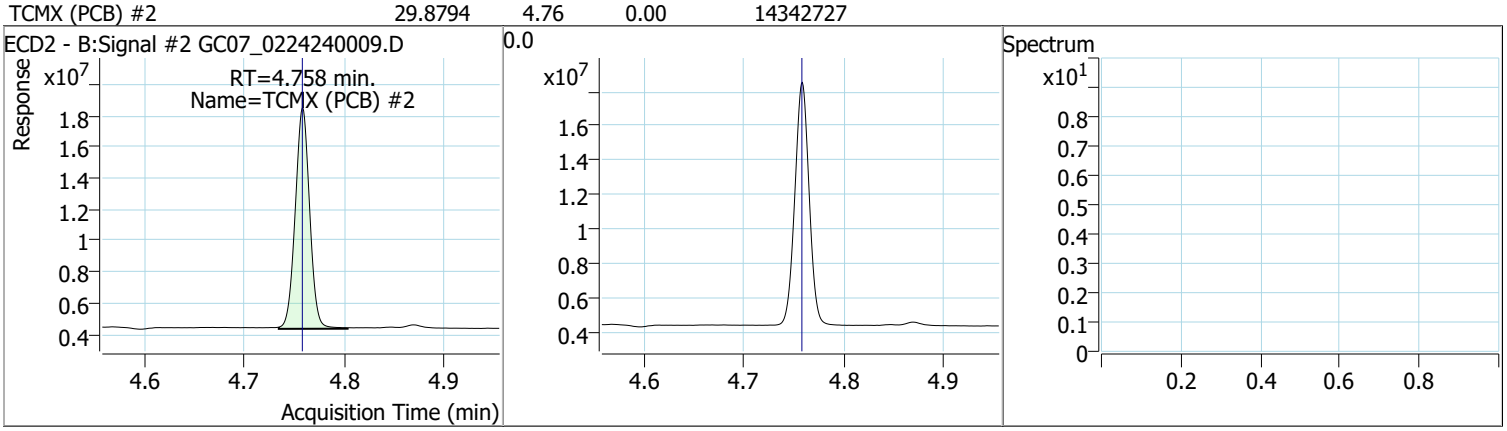
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 27.3668 | 4.40 | 0.00 | 66826394 | | | | |



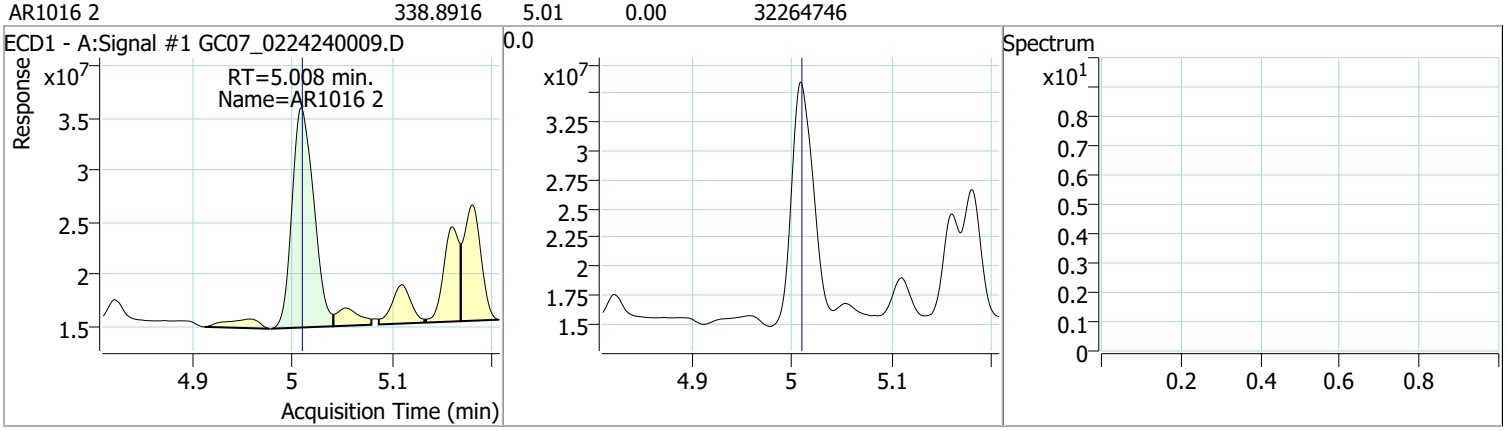

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 363.4686 | 4.72 | 0.00 | 19656667 | | | | |



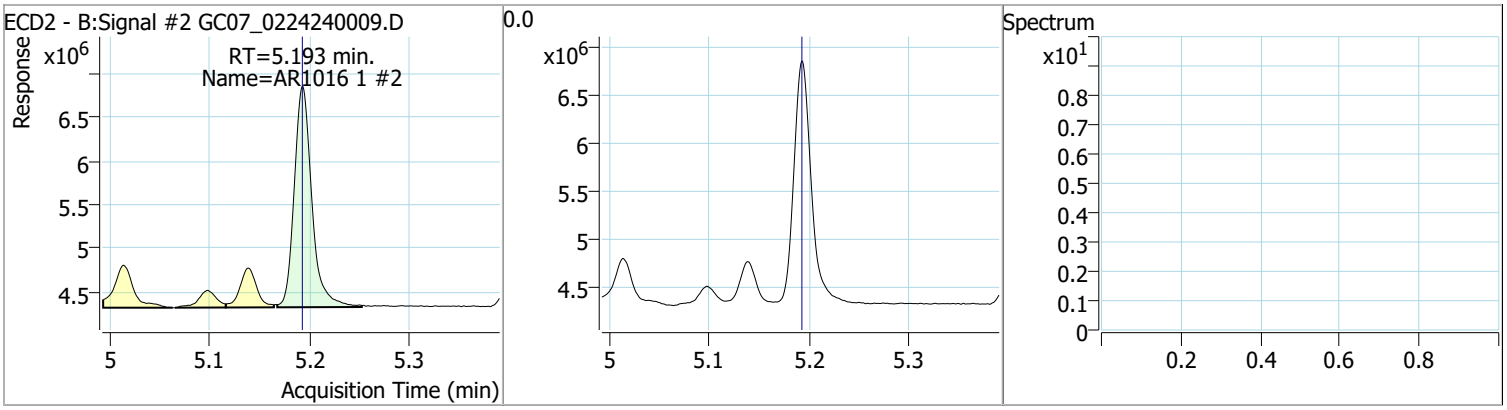

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 29.8794 | 4.76 | 0.00 | 14342727 | | | | |



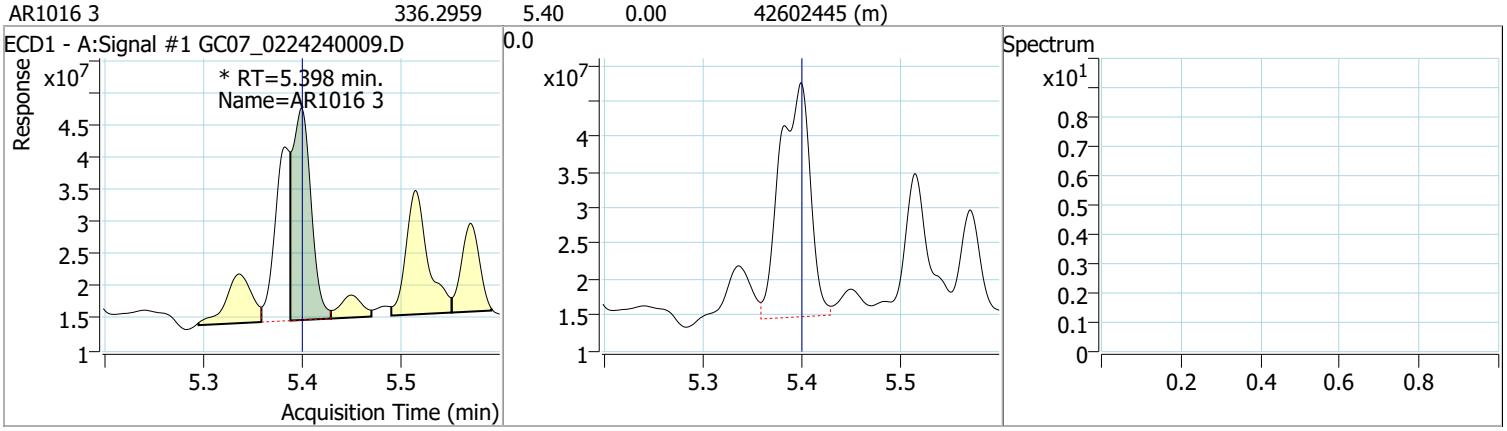

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 338.8916 | 5.01 | 0.00 | 32264746 | | | | |



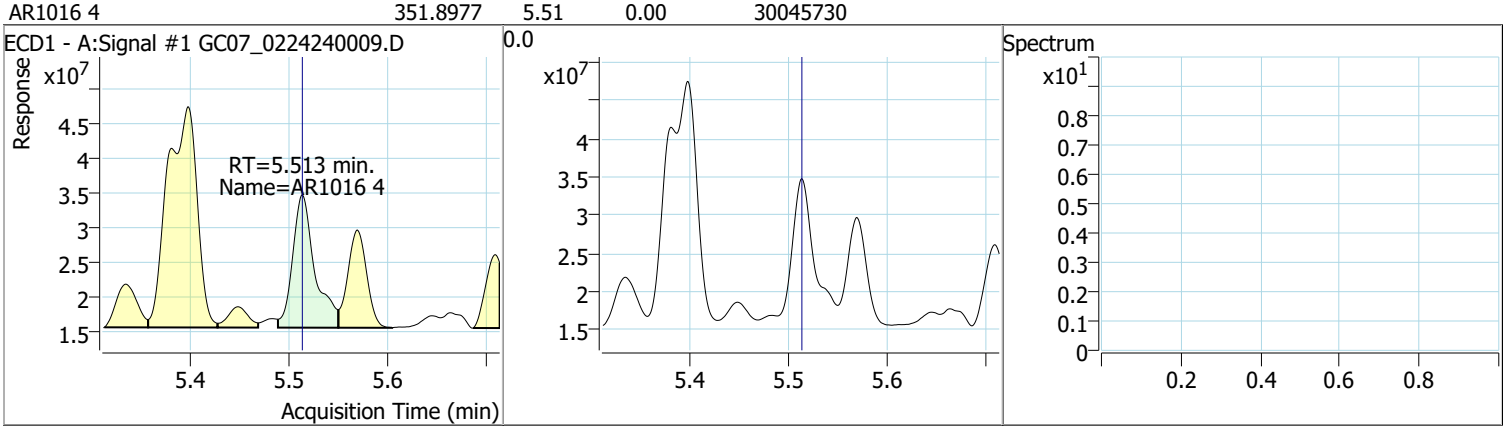
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 304.8779 | 5.19 | 0.00 | 3134086 | | | | |



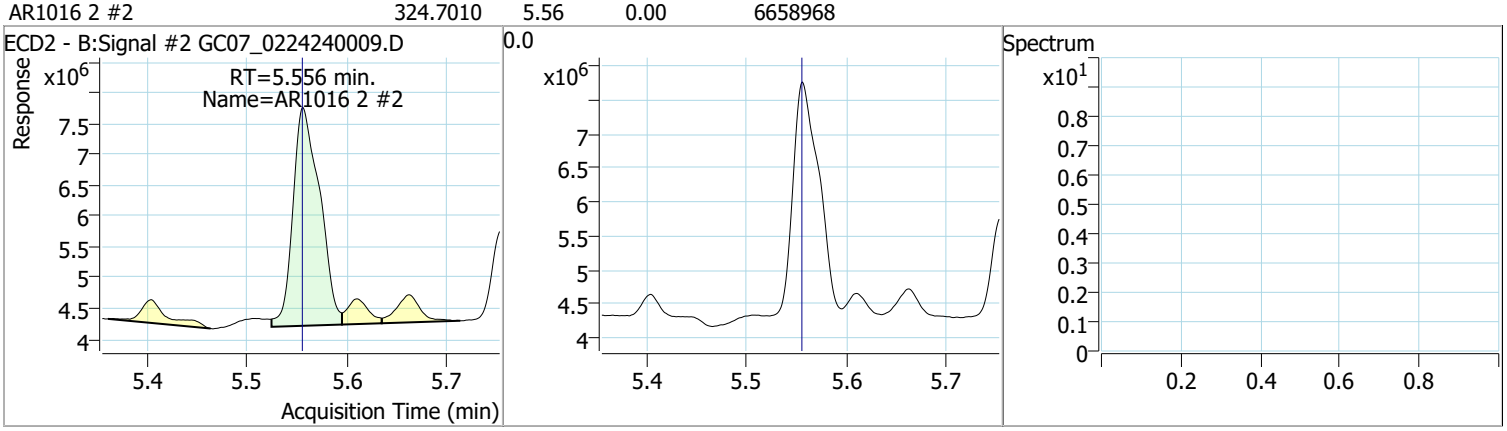

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 336.2959 | 5.40 | 0.00 | 42602445 (m) | | | | |



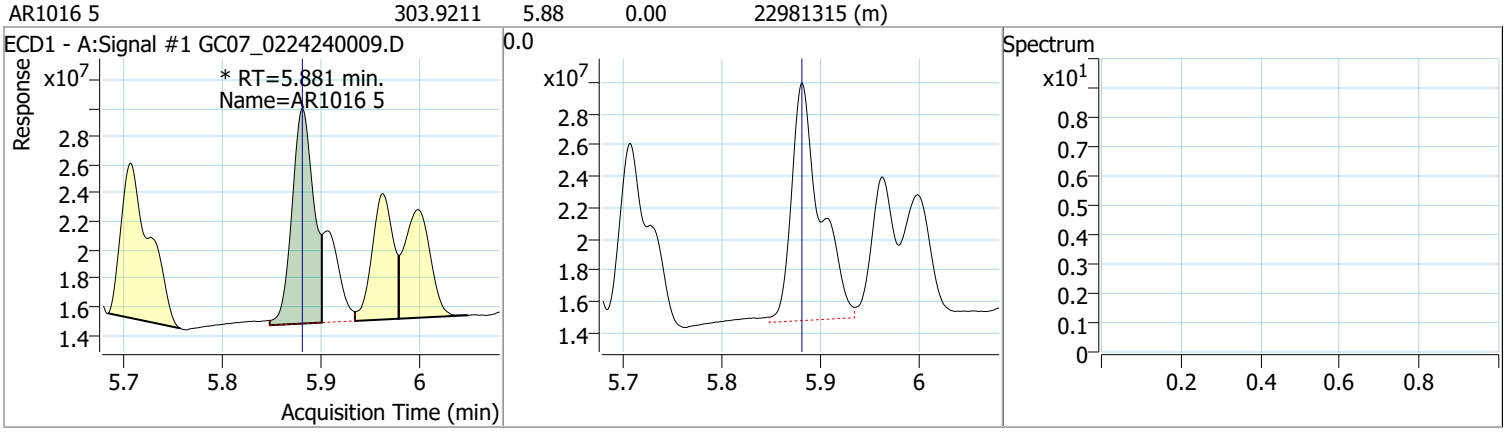

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 351.8977 | 5.51 | 0.00 | 30045730 | | | | |



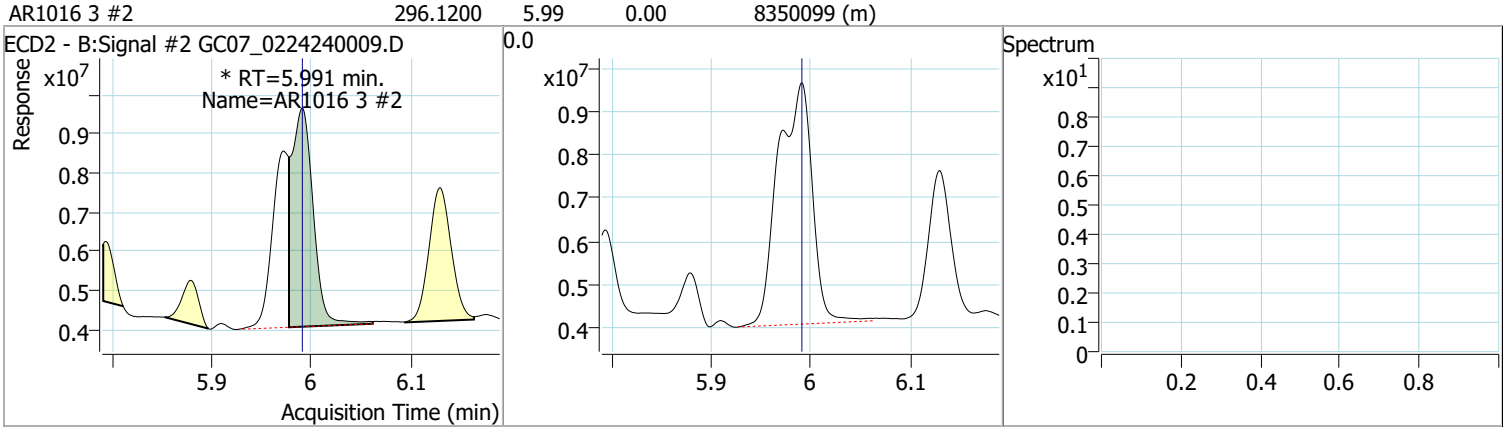

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 324.7010 | 5.56 | 0.00 | 6658968 | | | | |



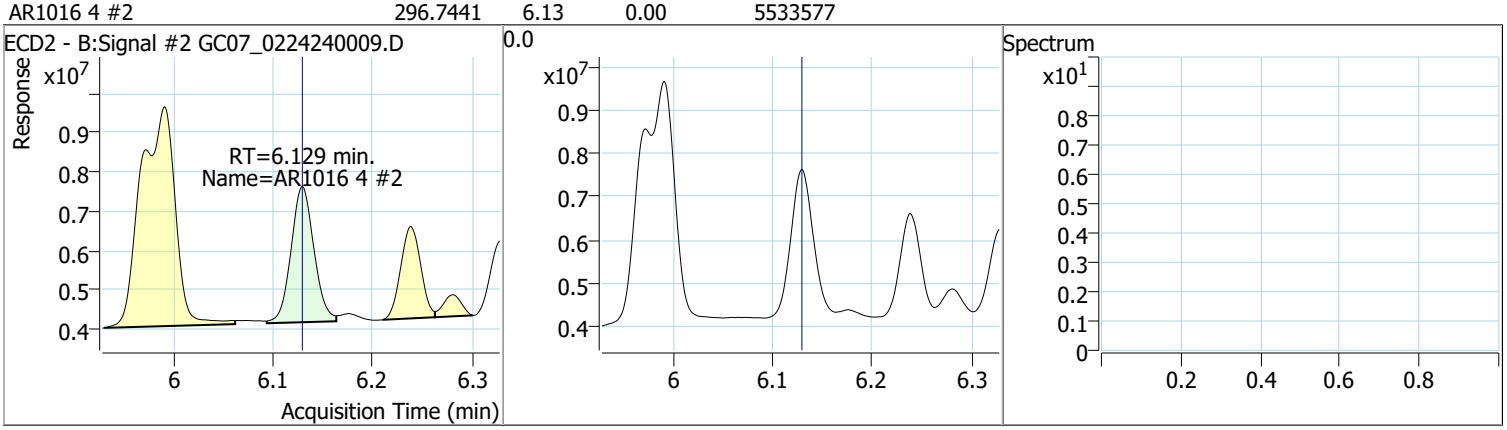
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 303.9211 | 5.88 | 0.00 | 22981315 (m) | | | | |



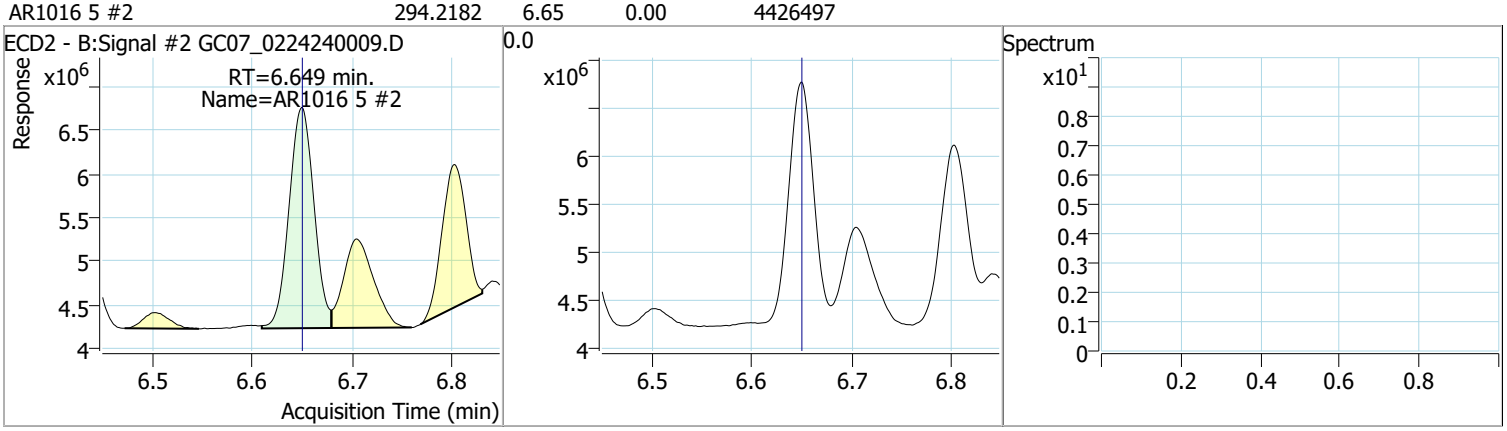

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 296.1200 | 5.99 | 0.00 | 8350099 (m) | | | | |



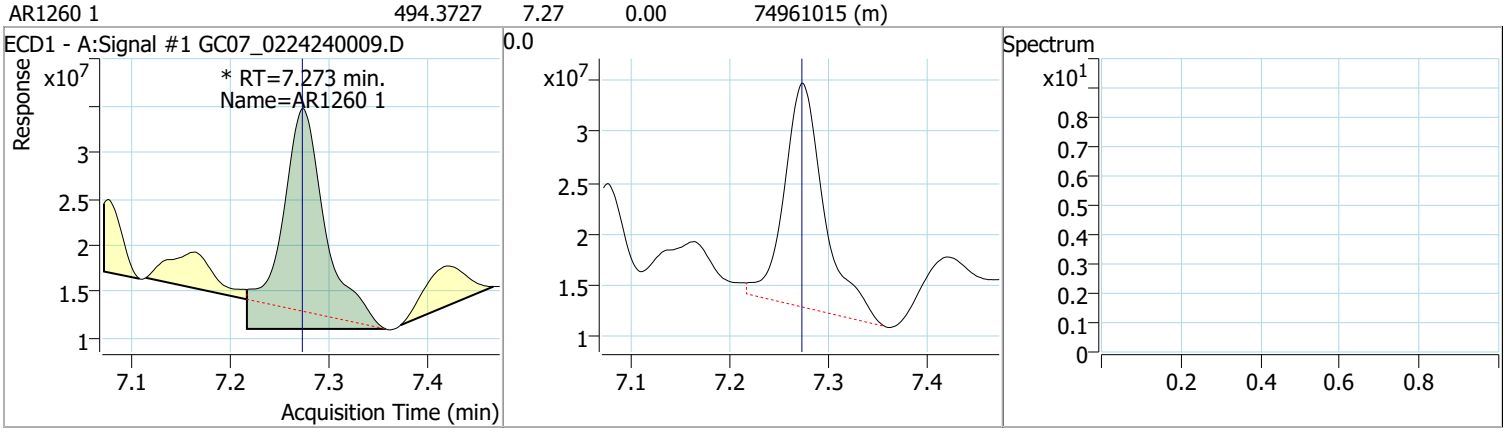

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 296.7441 | 6.13 | 0.00 | 5533577 | | | | |



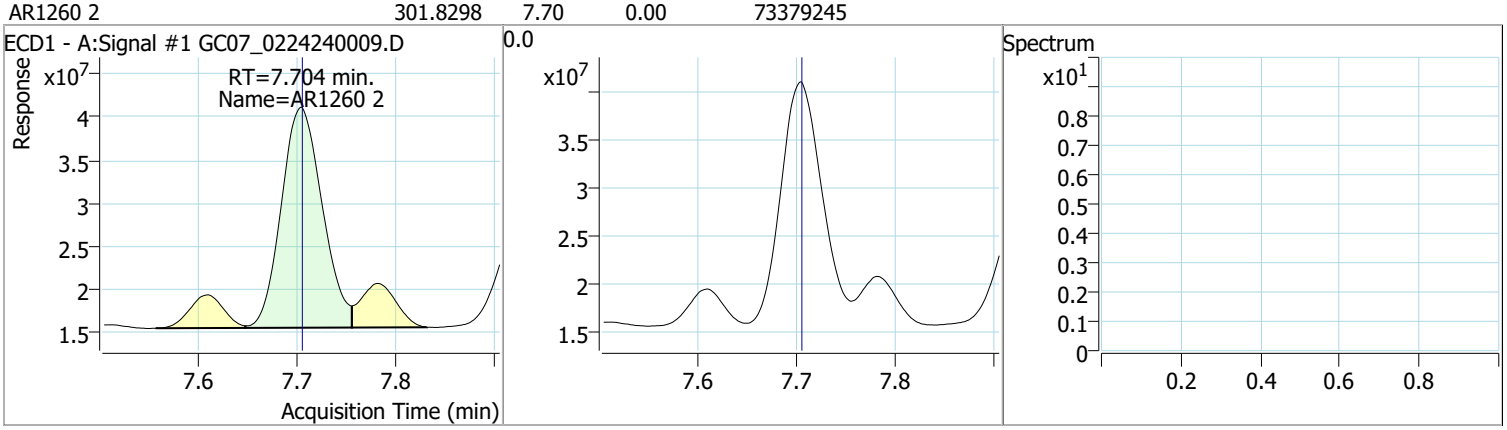

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 294.2182 | 6.65 | 0.00 | 4426497 | | | | |



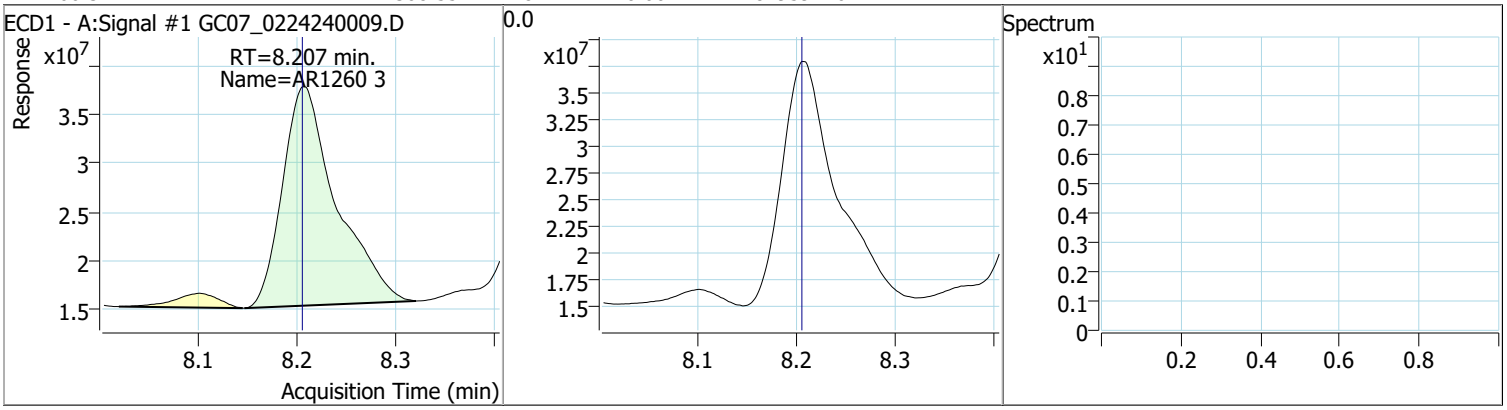
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 494.3727 | 7.27 | 0.00 | 74961015 (m) | | | | |



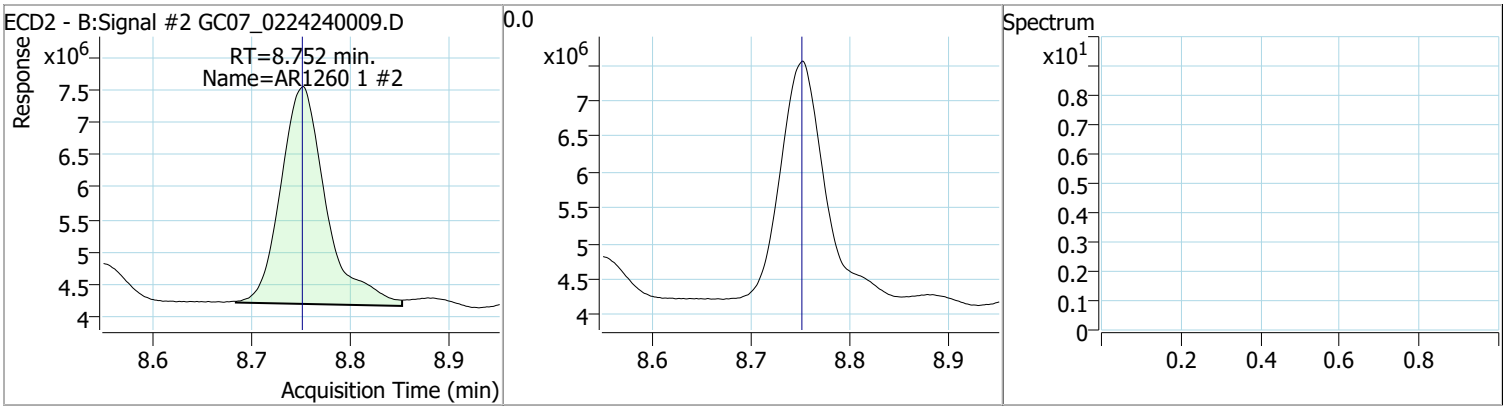

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 301.8298 | 7.70 | 0.00 | 73379245 | | | | |



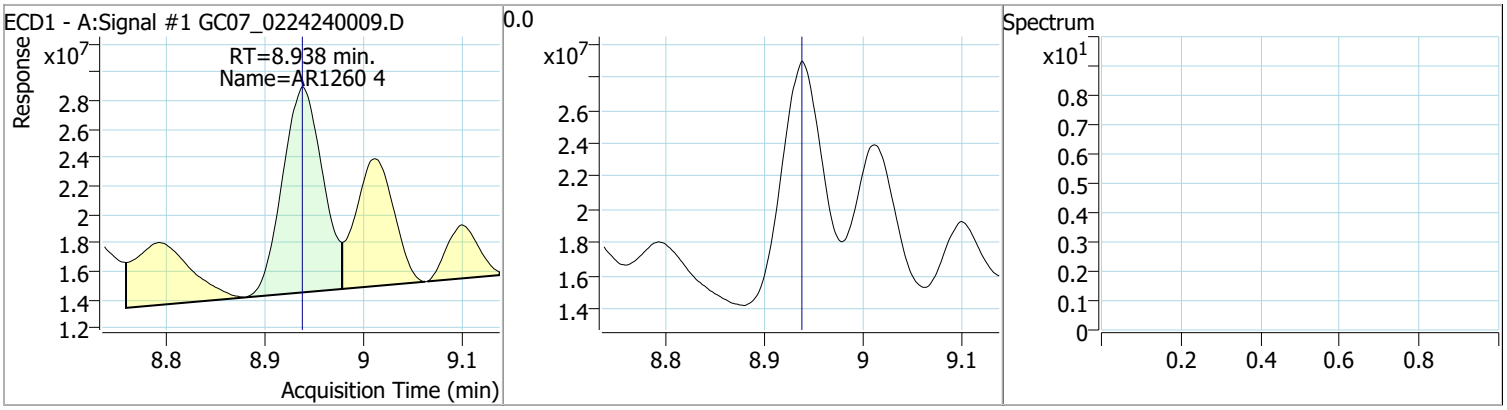

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 308.5514 | 8.21 | 0.00 | 84959476 | | | | |



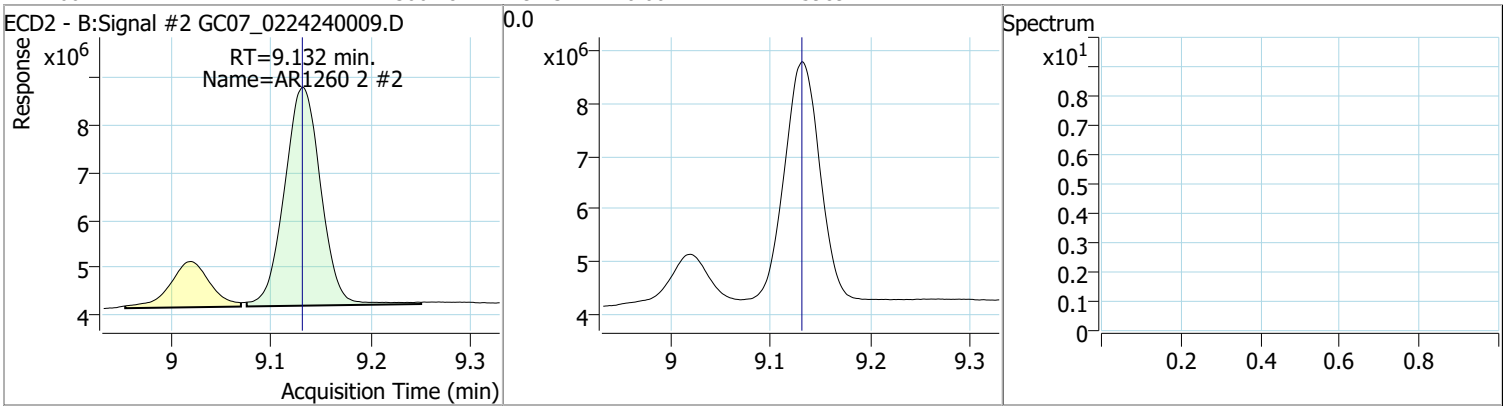

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 302.8060 | 8.75 | 0.00 | 10628556 | | | | |



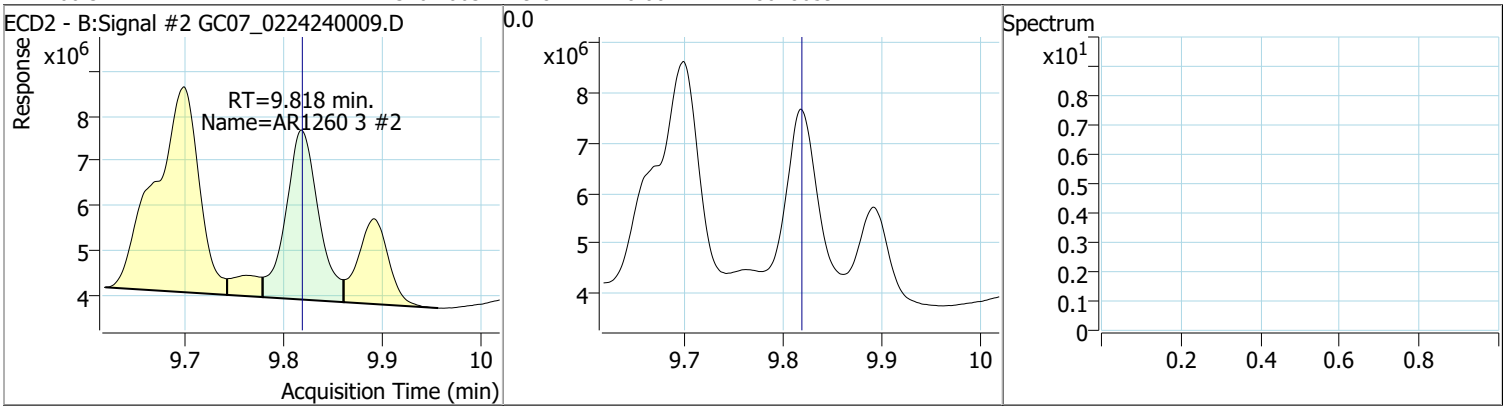
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 263.1660 | 8.94 | 0.00 | 40641408 | | | | |



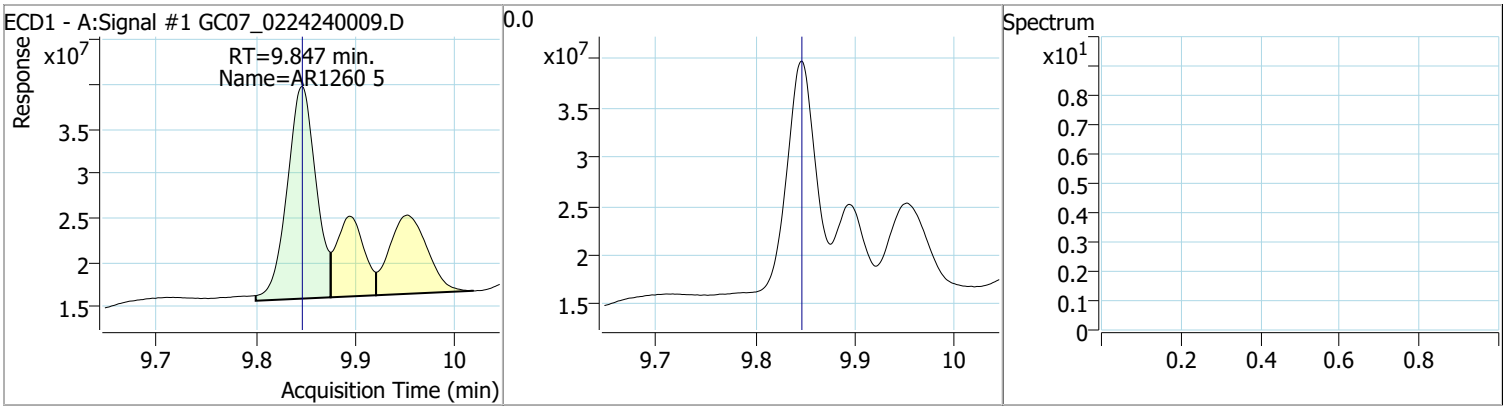

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 306.7877 | 9.13 | 0.00 | 11775989 | | | | |



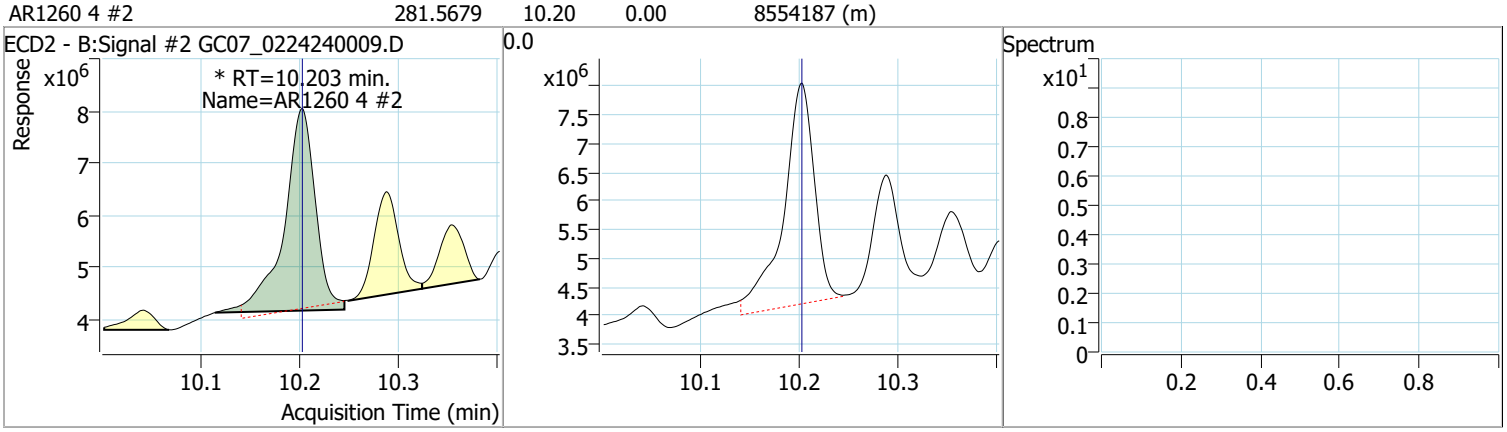

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 326.2063 | 9.82 | 0.00 | 8618659 | | | | |



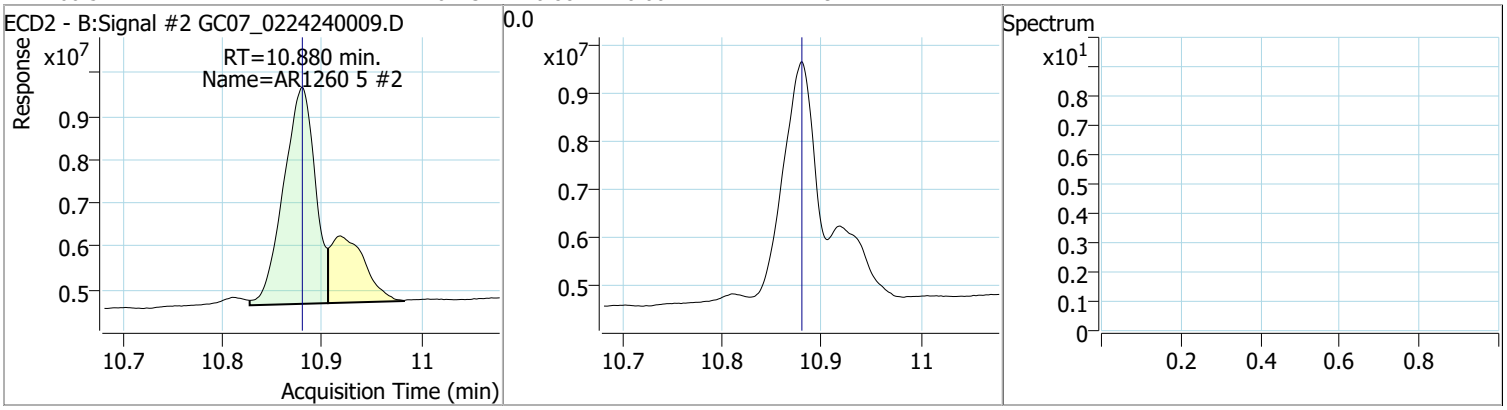

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 305.2713 | 9.85 | 0.00 | 48354355 | | | | |



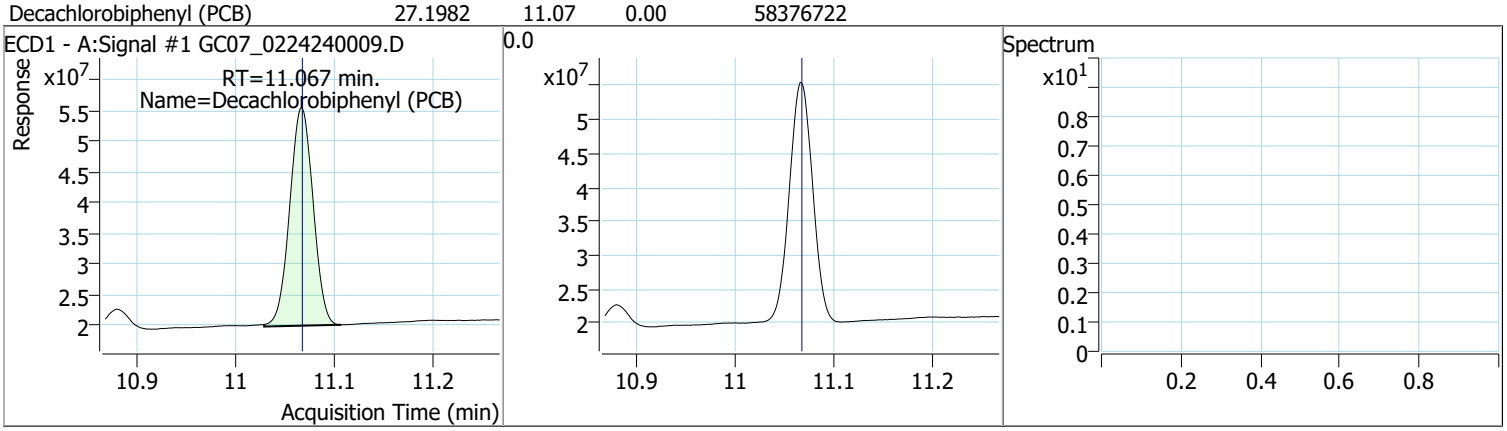
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 281.5679 | 10.20 | 0.00 | 8554187 (m) | | | | |



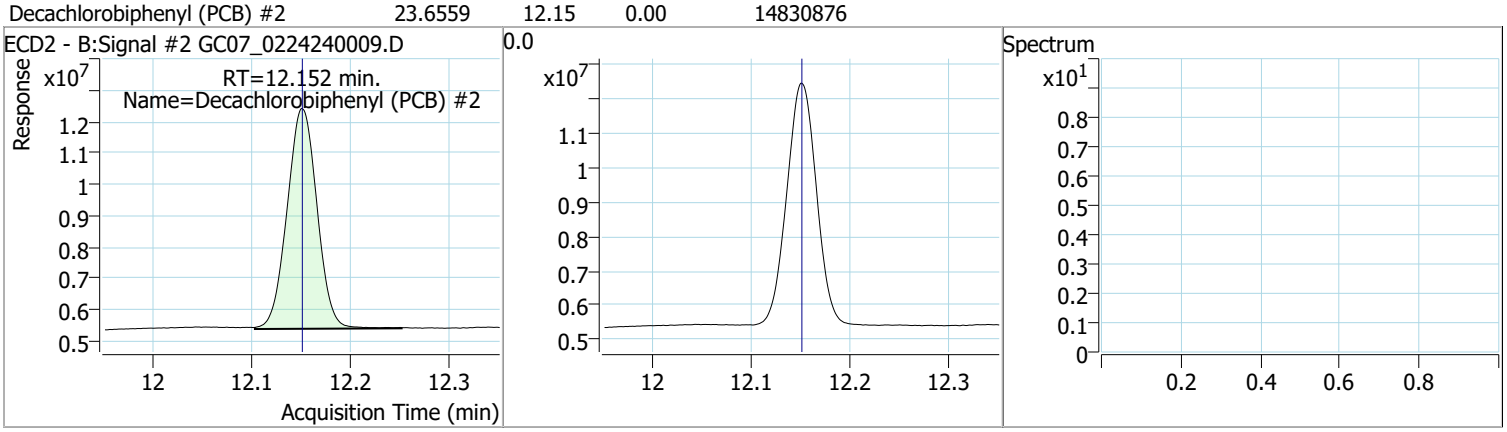

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 242.0443 | 10.88 | 0.00 | 11112791 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 27.1982 | 11.07 | 0.00 | 58376722 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 23.6559 | 12.15 | 0.00 | 14830876 | | | | |



ENTHALPY SPIKE USER REPORT FOR 502501 PCBS Wipe

EPA 8082

| | | | |
|---|---|---|---|
| Type: | BS | Type: | BSD |
| Inst: | SVOA-GC07 | Inst: | SVOA-GC07 |
| Seqnum: | 464078296024.1 | Seqnum: | 464078296025.1 |
| File: | gc07_0223240024 | File: | gc07_0223240025 |
| IDF: | 1.0 | IDF: | 1.0 |
| Lab ID: | QC1130129 | Lab ID: | QC1130130 |
| Matrix: | Wipe | Matrix: | Wipe |
| Batch: | 333612 | Batch: | 333612 |
| Time: | 23-FEB-2024 15:06 | Time: | 23-FEB-2024 15:24 |
| Cal: | 464074251001 | Cal: | 464074251001 |
| Units: | ug/dm2 | | |

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 Not Reported | 5.000 | 313.7 | 3.137 | A | 63 | 350.3 | 3.503 | A | 70 | 60-140 | 11 | 20 | |
| Aroclor-1016 Peak # 1 | | 334.3 | 3.343 | A | | 378.0 | 3.780 | A | | | | | |
| Aroclor-1016 Peak # 2 | | 310.2 | 3.102 | A | | 348.9 | 3.489 | A | | | | | |
| Aroclor-1016 Peak # 3 | | 311.5 | 3.115 | A | | 365.2 | 3.652 | A | | | | | |
| Aroclor-1016 Peak # 4 | | 336.0 | 3.360 | A | | 349.3 | 3.493 | A | | | | | |
| Aroclor-1016 Peak # 5 | | 276.3 | 2.763 | A | | 310.3 | 3.103 | A | | | | | |
| Aroclor-1260 Not Reported | 5.000 | 306.6 | 3.066 | A | 61 | 344.1 | 3.441 | A | 69 | 60-140 | 12 | 20 | |
| Aroclor-1260 Peak # 1 | | 478.1 | 4.781 | A | | 518.2 | 5.182 | A | | | | | |
| Aroclor-1260 Peak # 2 | | 276.9 | 2.769 | A | | 314.5 | 3.145 | A | | | | | |
| Aroclor-1260 Peak # 3 | | 281.8 | 2.818 | A | | 323.9 | 3.239 | A | | | | | |
| Aroclor-1260 Peak # 4 | | 257.2 | 2.572 | A | | 288.8 | 2.888 | A | | | | | |
| Aroclor-1260 Peak # 5 | | 238.7 | 2.387 | A | | 275.1 | 2.751 | A | | | | | |
| Surrogates | | | | | | | | | | | | | |
| TCMX (PCB) Not Reported | 0.5000 | 24.00 | 0.2400 | A | 48 | 28.16 | 0.2816 | A | 56 | 19-121 | | | c- |
| Decachlorobiphenyl (PCB) Not Reported | 0.5000 | 25.73 | 0.2573 | A | 51 | 28.71 | 0.2871 | A | 57 | 19-121 | | | c- |

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | BS Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 9649157 | 38.17 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 47860197 | 37.18 |

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | BS RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

| ISTD (CCV gc07_0223240014) | Ch | CCV Abund | BSD Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 6983339 | 10510775 | 50.51 |
| 1-bromo-2-nitrobenzene (PCB) | A | 34889734 | 49905214 | 43.04 |

| ISTD (CCV gc07_0223240014) | Ch | CCV RT | BSD RT | Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 3.94 | 3.94 | 0.00 |
| 1-bromo-2-nitrobenzene (PCB) | A | 3.69 | 3.69 | 0.00 |

02/24/24 : WIPE/1S-10ML//SOX [general version]

TRN 02/24/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

TRN 02/24/24 [Aroclor-1016 Peak # 5 A]: Separated from coeluting peak for Ch. A for spike. [general version]

TRN 02/24/24 [Aroclor-1260 Peak # 4 B]: Corrected baseline noise or negative peak for Ch. B for spike & dup. [general version]

TRN 02/24/24 [Aroclor-1260 Peak # 1 A]: Corrected baseline noise or negative peak for Ch. A for spike & dup. [general version]

TRN 02/24/24 [Aroclor-1016 Peak # 3 A]: Corrected baseline noise or negative peak for Ch. A for spike & dup. [general version]

TRN 02/24/24 [Aroclor-1016 Peak # 5 A]: Corrected baseline noise or negative peak for Ch. A for spike & dup. [general version]

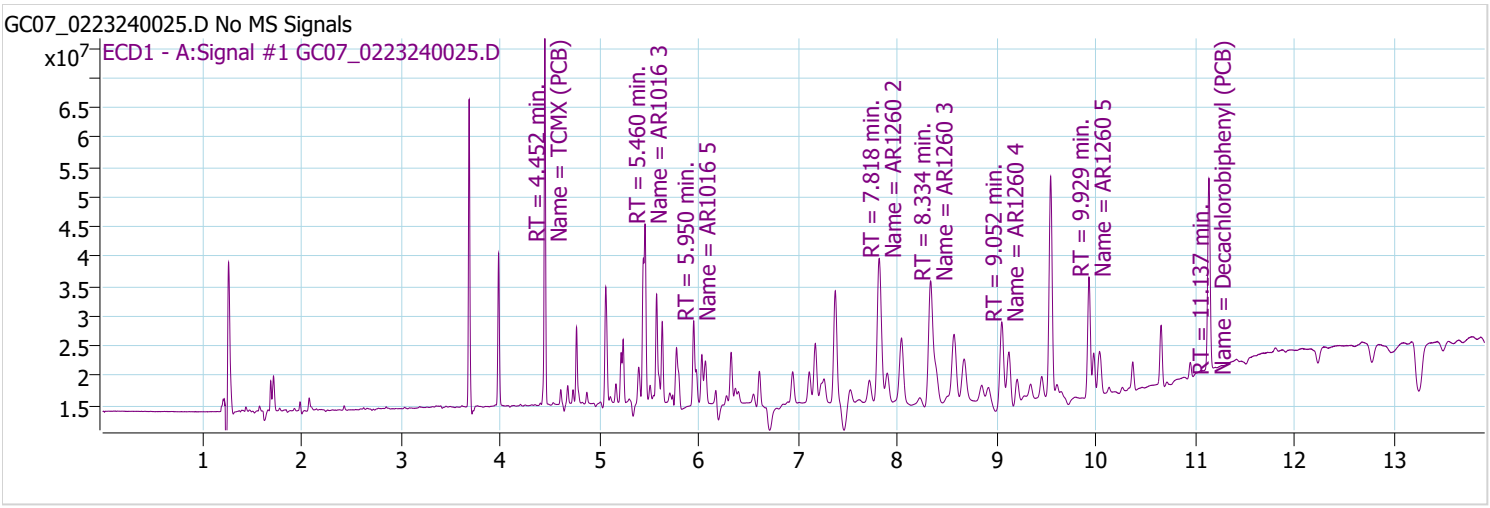
*-=low bias c=CCV*

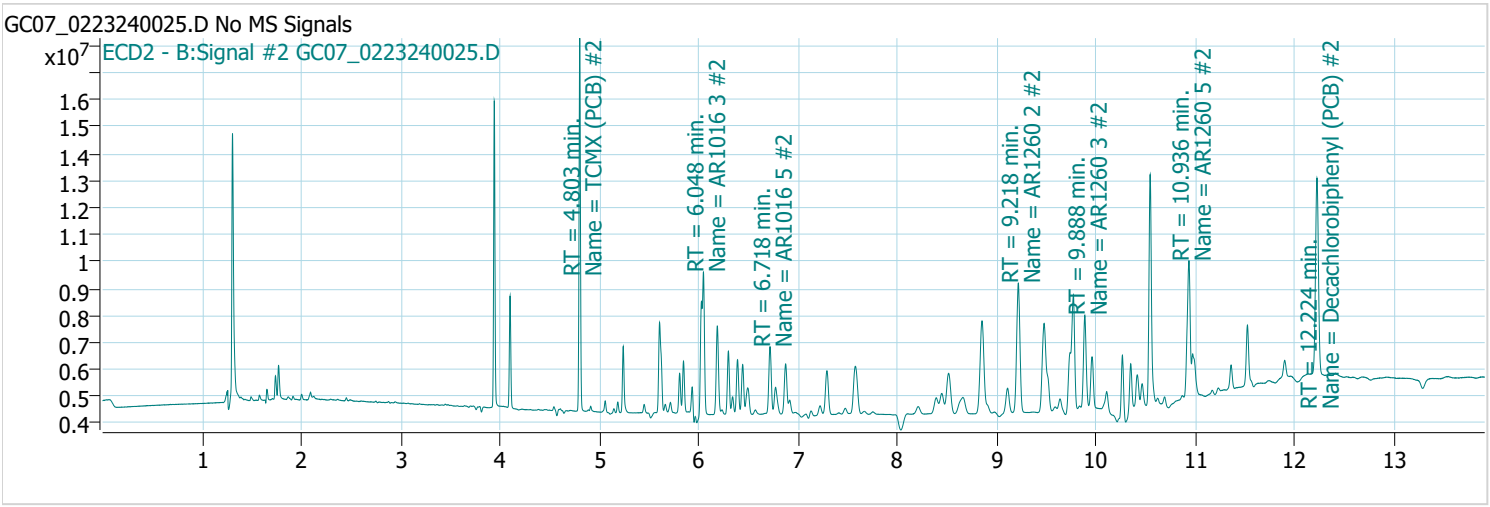
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**Analyst:** TRN 02/24/24 **Reviewer:**

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240025.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 3:24:04 PM |
| Sample Name | QC1130130, 333612, 1 | Instrument | SVOA-GC07 |
| Vial | 3 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | WIPE/1S-10ML//SOX |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



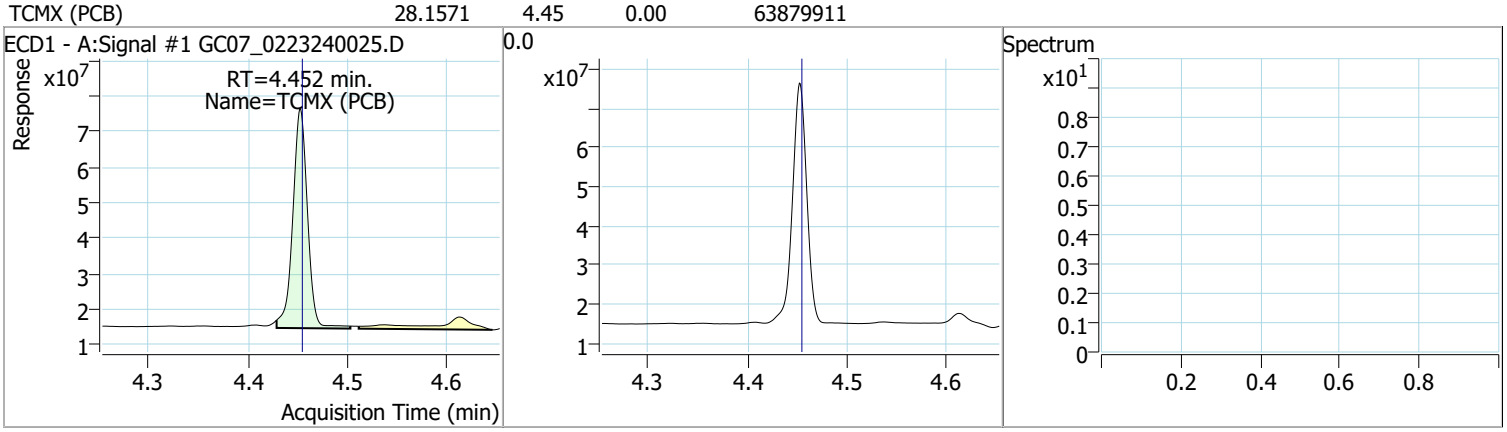




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.690 | 0.0 | 49905213.679 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 10510775.113 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.452 | 0.0 | 63879911.248 | 28.1571 | ng/ml | | -0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 140.79% | | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 13924757.249 | 30.3972 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 151.99% | | * | |
| S Decachlorobiphenyl (PCB) | 11.137 | 0.0 | 57260079.994 | 28.7144 | ng/ml | | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 143.57% | | | |
| S Decachlorobiphenyl (PCB) #2 | 12.224 | 0.0 | 16094526.470 | 26.9003 | ng/ml | | 0.003 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 134.50% | | | |
| **Target Compounds** | | | | | | | QValue |

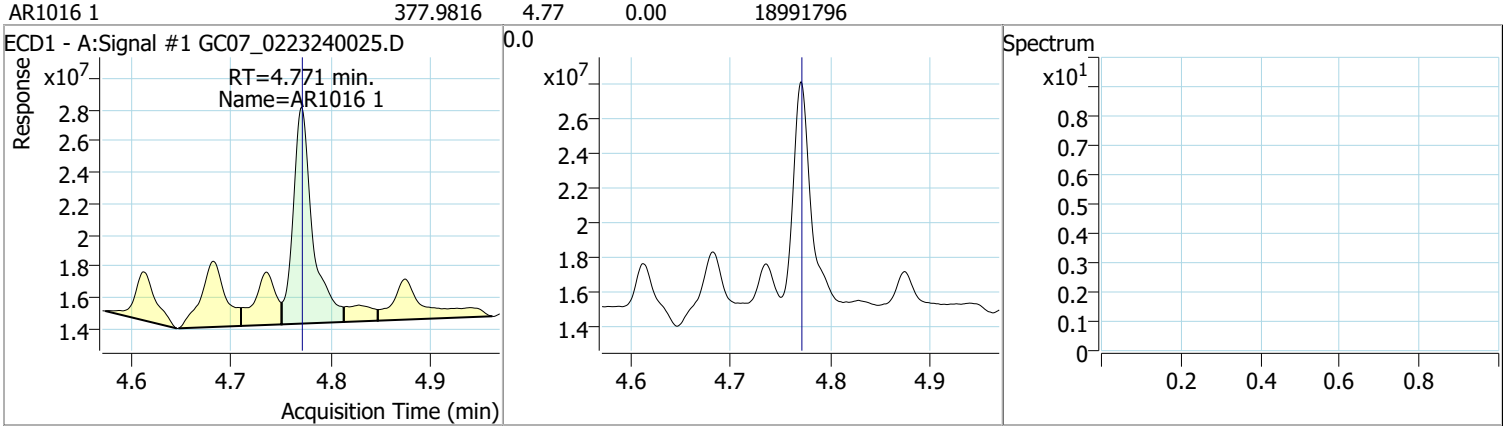
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.771 | 0.0 | 18991795.621 | 377.9816 | ng/ml | | 100 |
| T AR1016 2 | 5.065 | 0.0 | 30861027.880 | 348.8916 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.241 | 0.0 | 3069927.669 | 312.9319 | ng/ml | | 100 |
| T AR1016 3 | 5.460 | 0.0 | 42977536.465 | 365.1541 | ng/ml | m | 100 |
| T AR1016 4 | 5.577 | 0.0 | 27711065.567 | 349.3288 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.607 | 0.0 | 6624301.069 | 338.4724 | ng/ml | | 100 |
| T AR1016 5 | 5.950 | 0.0 | 21801128.122 | 310.3219 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.048 | 0.0 | 8122574.150 | 301.8397 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.188 | 0.0 | 5573486.047 | 313.1913 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.718 | 0.0 | 4357232.811 | 303.4776 | ng/ml | | 100 |
| T AR1260 1 | 7.376 | 0.0 | 73005534.337 | 518.2297 | ng/ml | m | 100 |
| T AR1260 2 | 7.818 | 0.0 | 71031598.194 | 314.4763 | ng/ml | | 100 |
| T AR1260 3 | 8.334 | 0.0 | 82864502.626 | 323.9155 | ng/ml | m | 100 |
| T AR1260 1 #2 | 8.853 | 0.0 | 10501109.247 | 313.4960 | ng/ml | | 100 |
| T AR1260 4 | 9.052 | 0.0 | 41436140.366 | 288.7938 | ng/ml | m | 100 |
| T AR1260 2 #2 | 9.218 | 0.0 | 11675408.691 | 318.7273 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.888 | 0.0 | 7064818.418 | 280.1950 | ng/ml | | 100 |
| T AR1260 5 | 9.929 | 0.0 | 40483100.073 | 275.0880 | ng/ml | m | 100 |
| T AR1260 4 #2 | 10.266 | 0.0 | 4201485.590 | 144.9152 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.936 | 0.0 | 11721406.189 | 267.5211 | ng/ml | m | 100 |

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

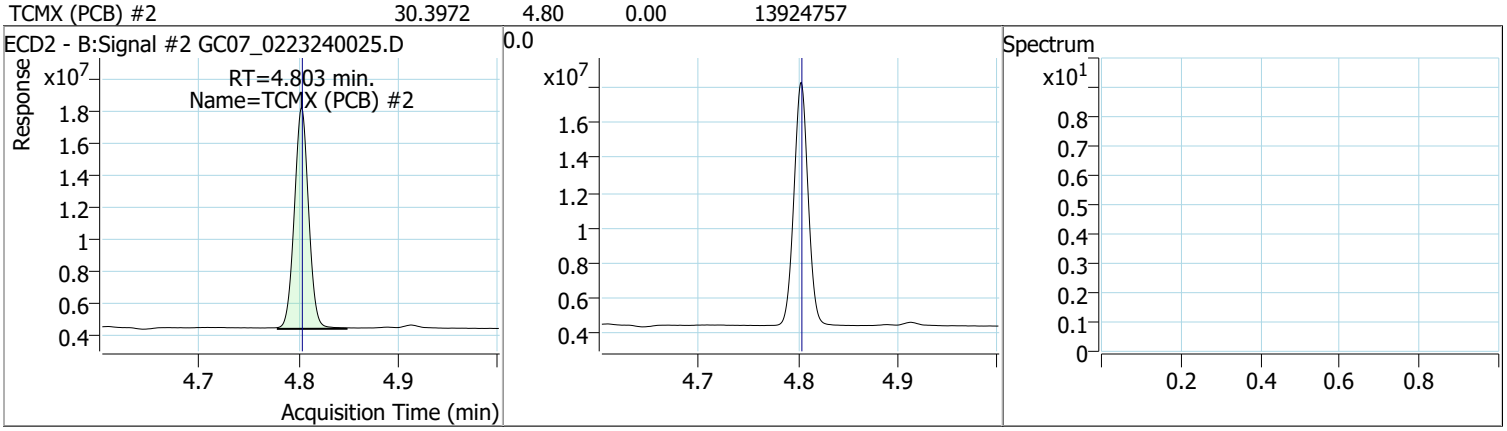
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 28.1571 | 4.45 | 0.00 | 63879911 | | | | |



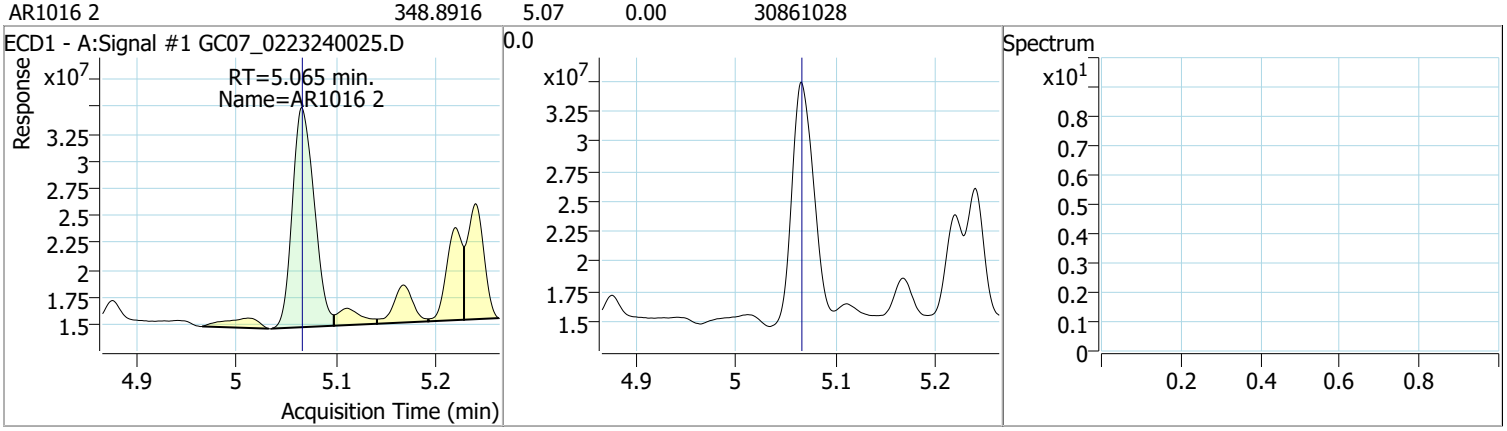

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 377.9816 | 4.77 | 0.00 | 18991796 | | | | |



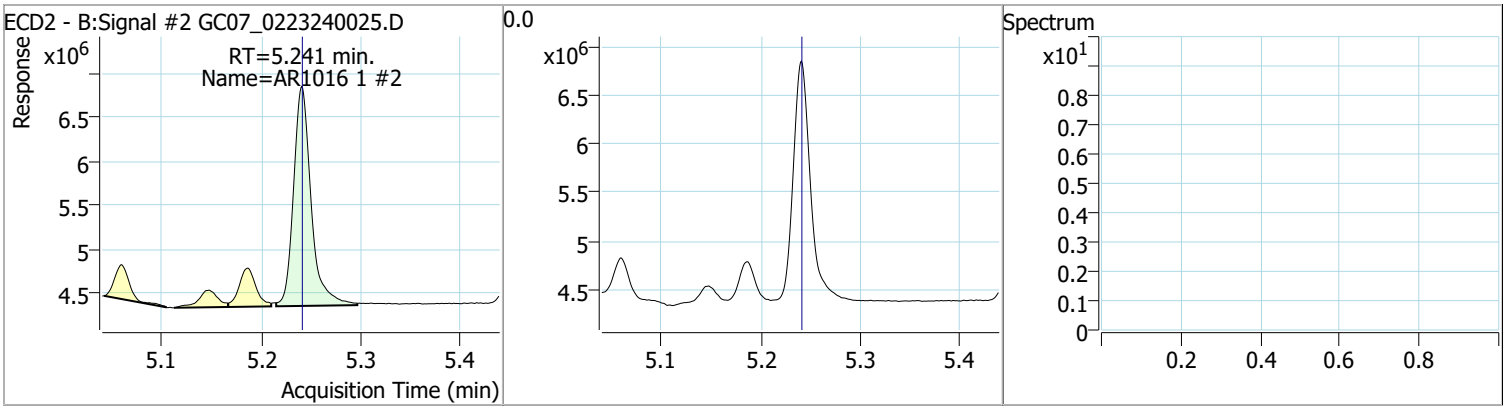

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 30.3972 | 4.80 | 0.00 | 13924757 | | | | |



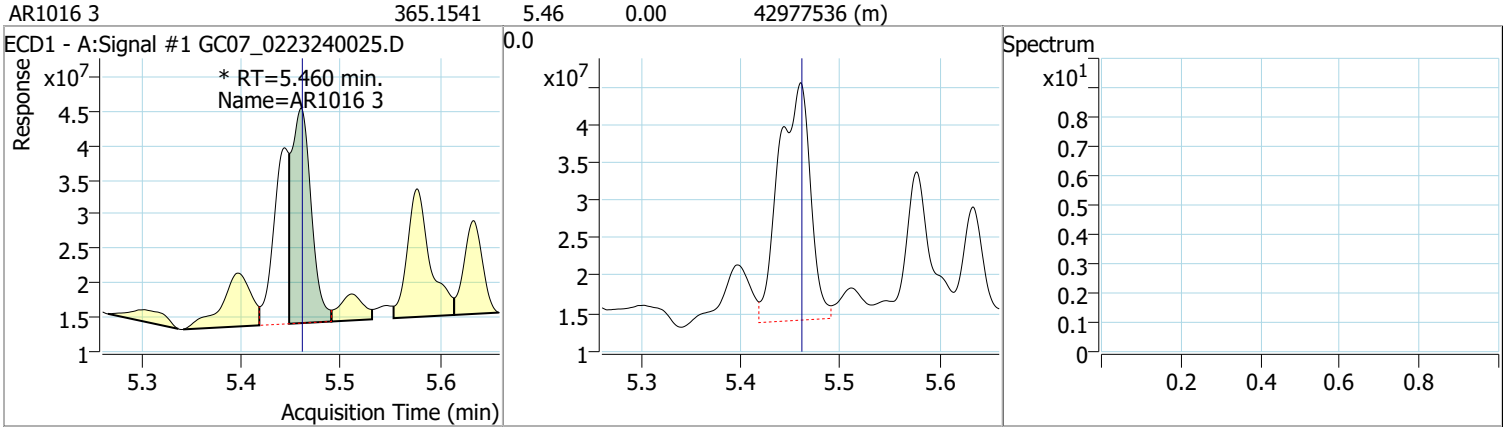

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 348.8916 | 5.07 | 0.00 | 30861028 | | | | |



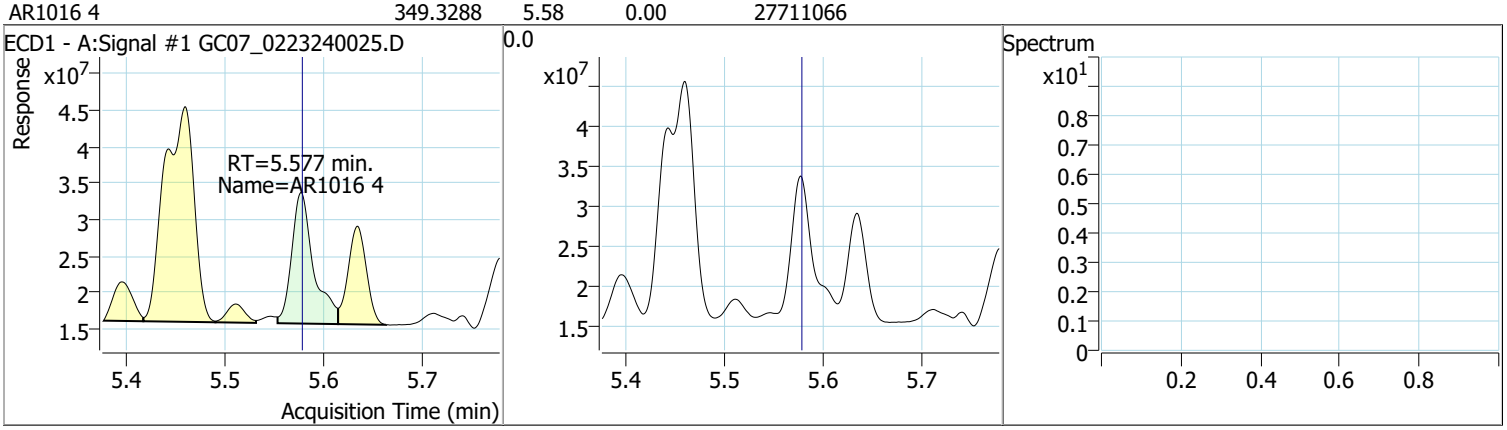
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 312.9319 | 5.24 | 0.00 | 3069928 | | | | |



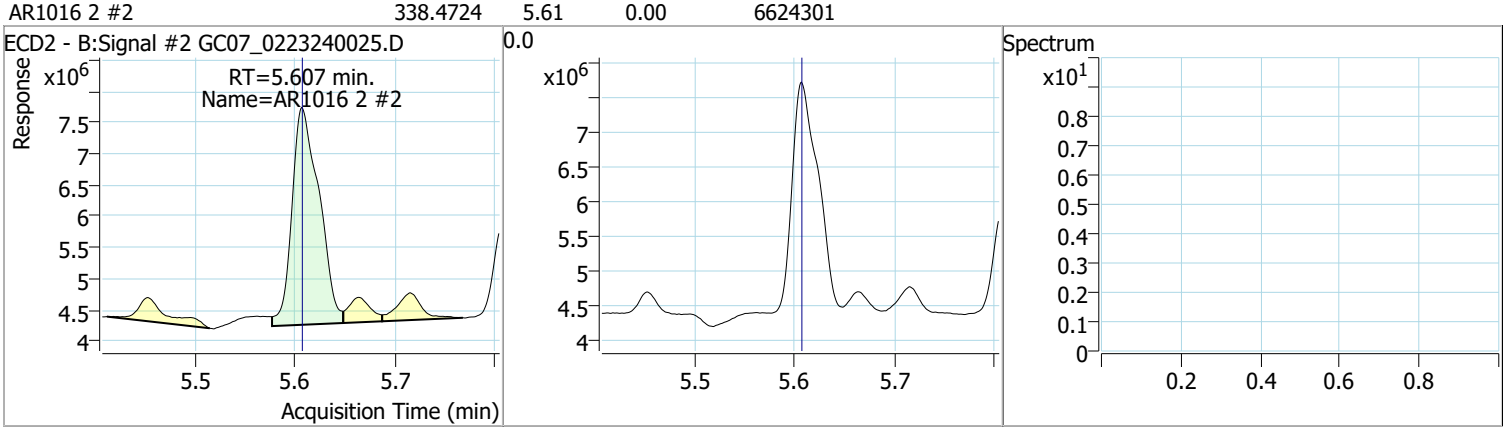

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 365.1541 | 5.46 | 0.00 | 42977536 (m) | | | | |



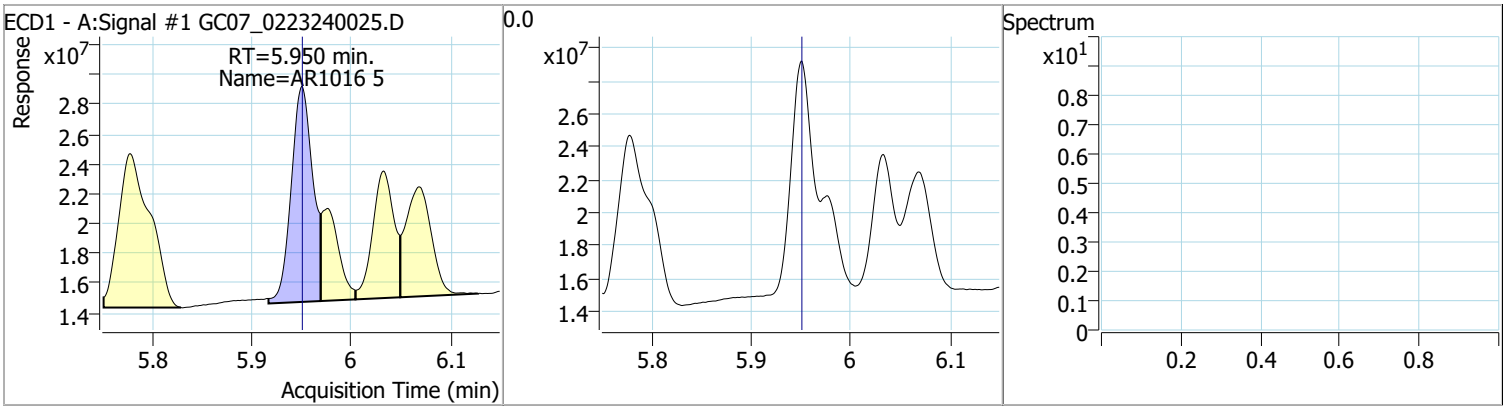

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 349.3288 | 5.58 | 0.00 | 27711066 | | | | |



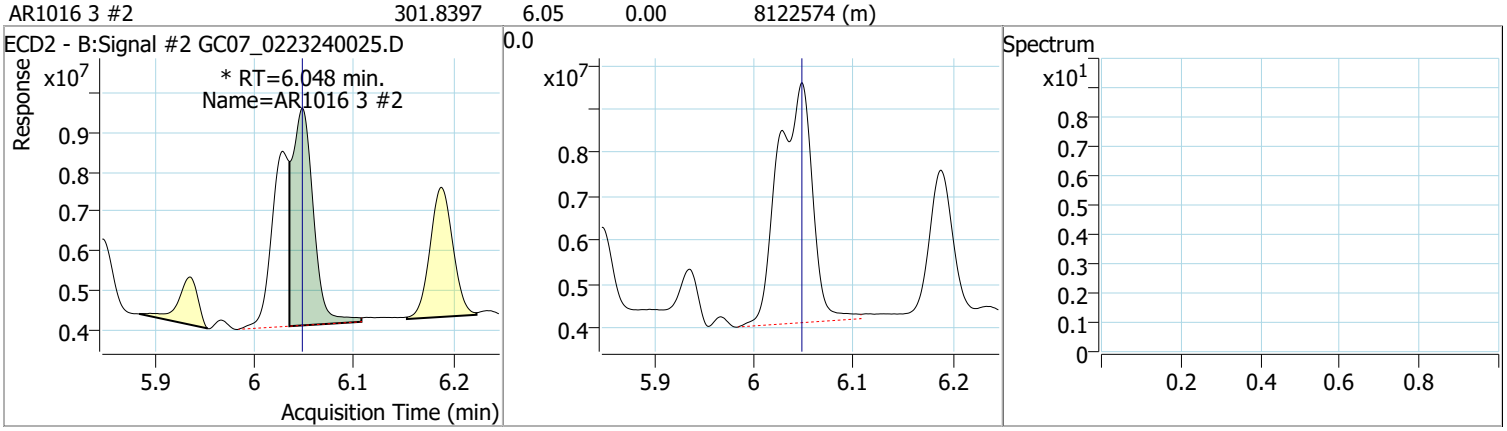

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 338.4724 | 5.61 | 0.00 | 6624301 | | | | |



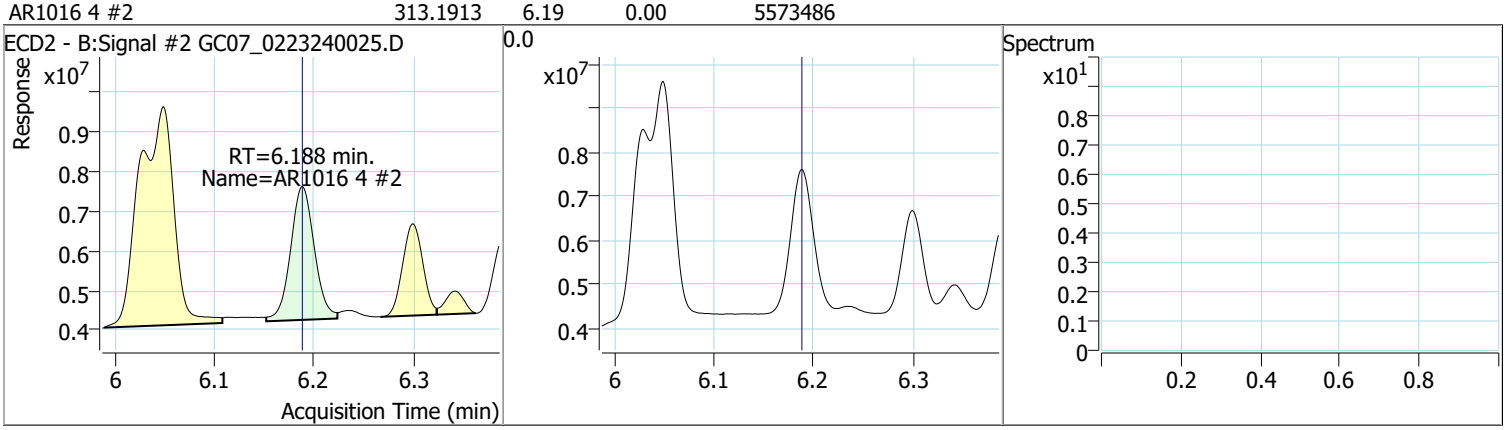
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 310.3219 | 5.95 | 0.00 | 21801128 | | | | |



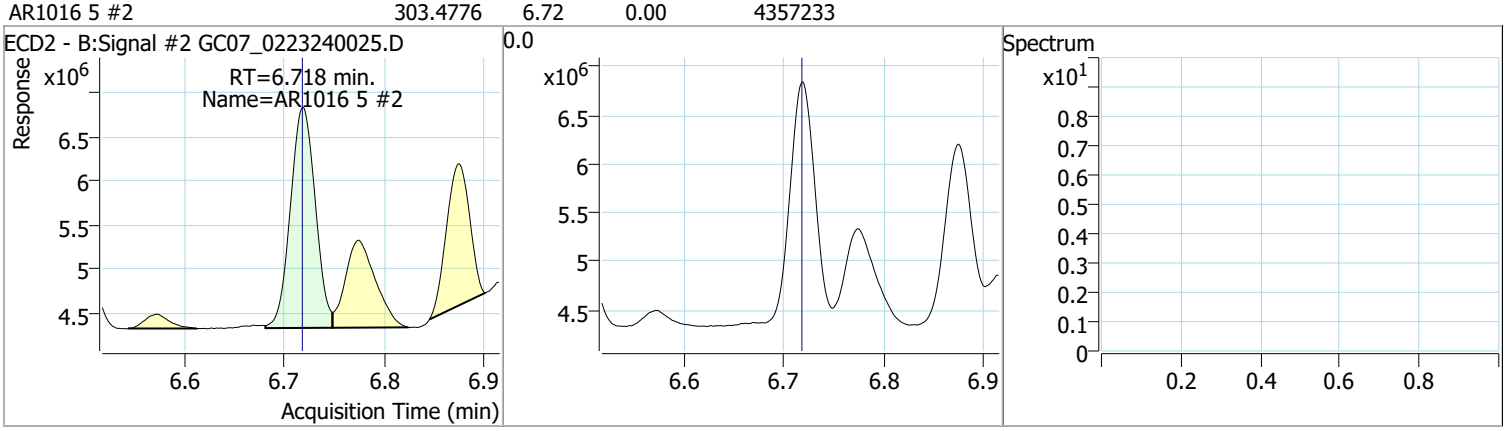

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 301.8397 | 6.05 | 0.00 | 8122574 (m) | | | | |



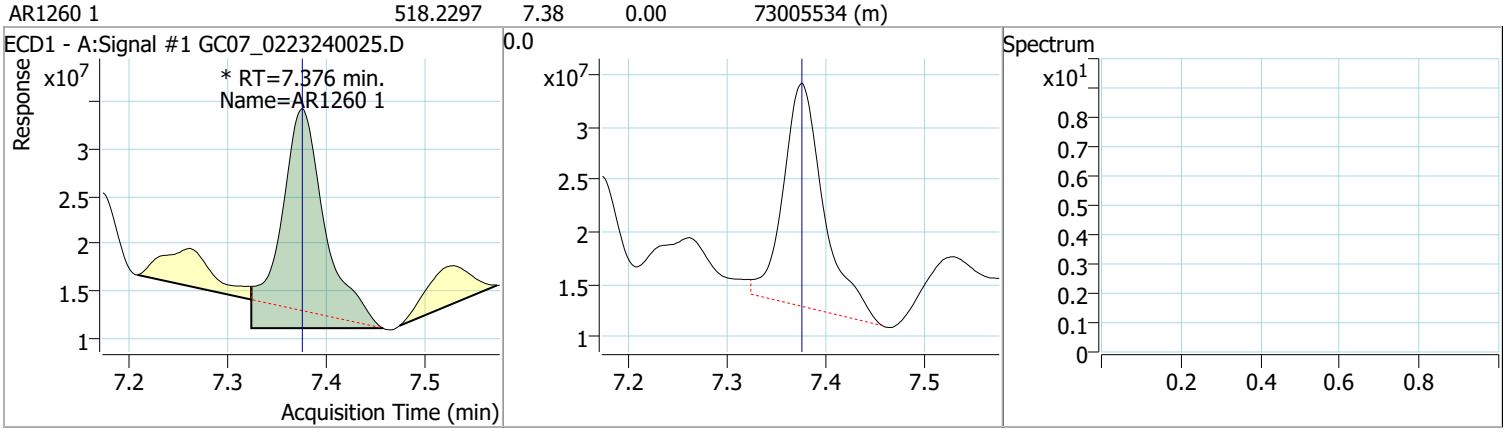

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 313.1913 | 6.19 | 0.00 | 5573486 | | | | |



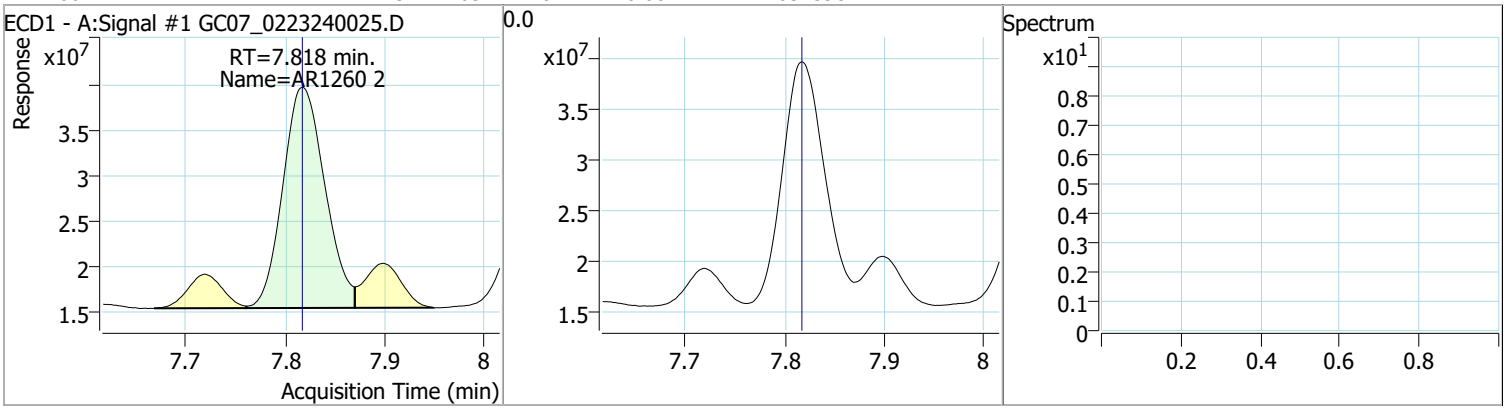

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 303.4776 | 6.72 | 0.00 | 4357233 | | | | |



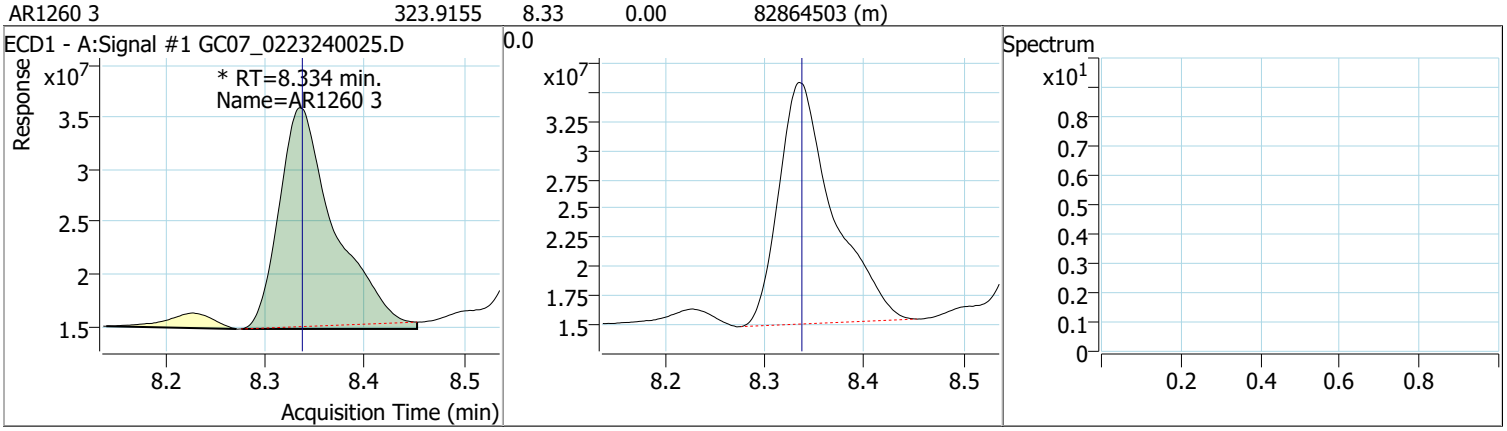
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 518.2297 | 7.38 | 0.00 | 73005534 (m) | | | | |



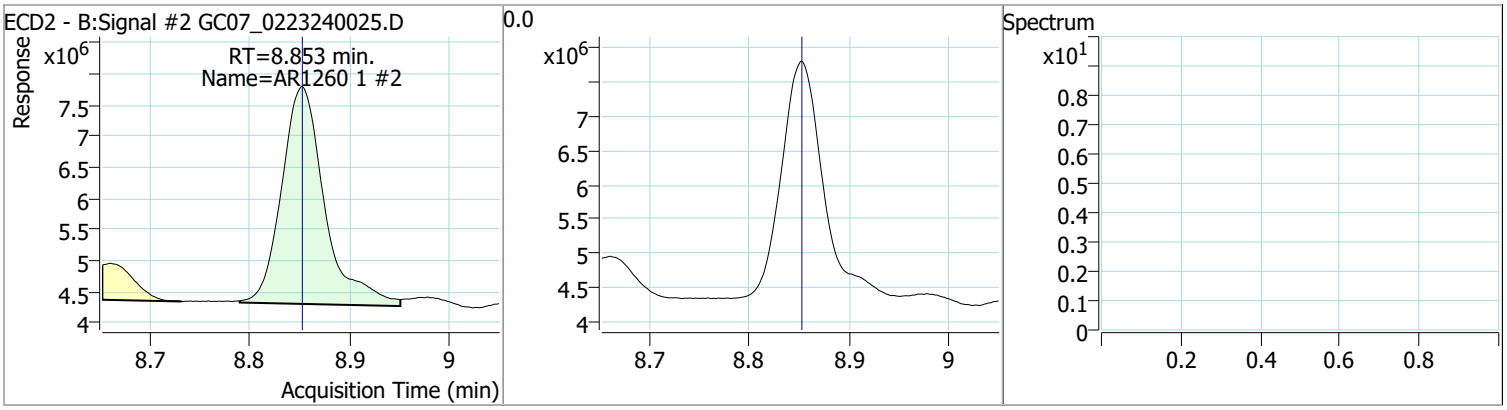

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 314.4763 | 7.82 | 0.00 | 71031598 | | | | |



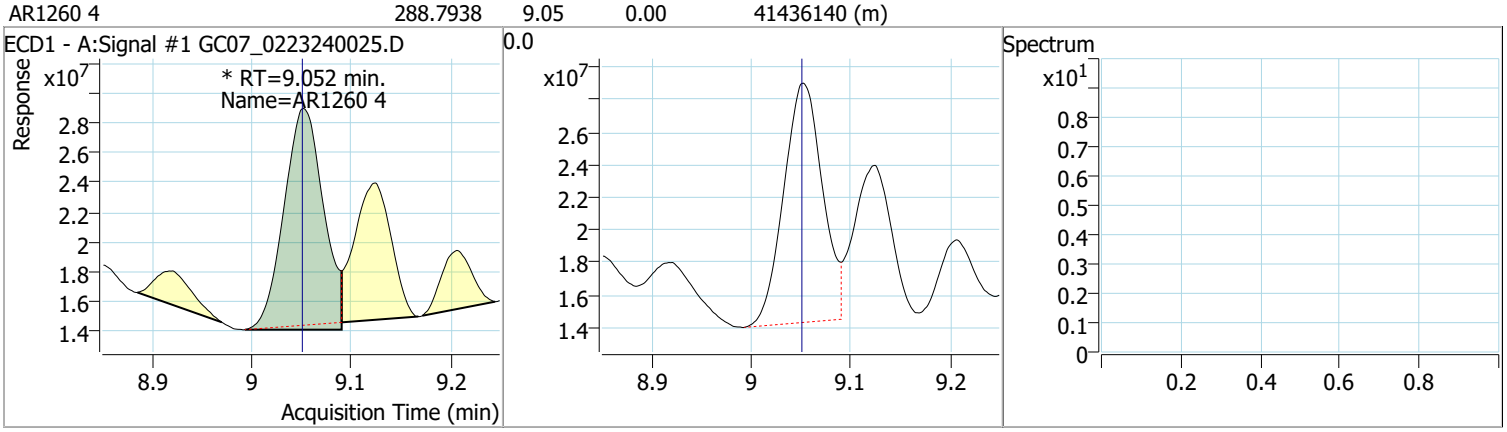

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 323.9155 | 8.33 | 0.00 | 82864503 (m) | | | | |



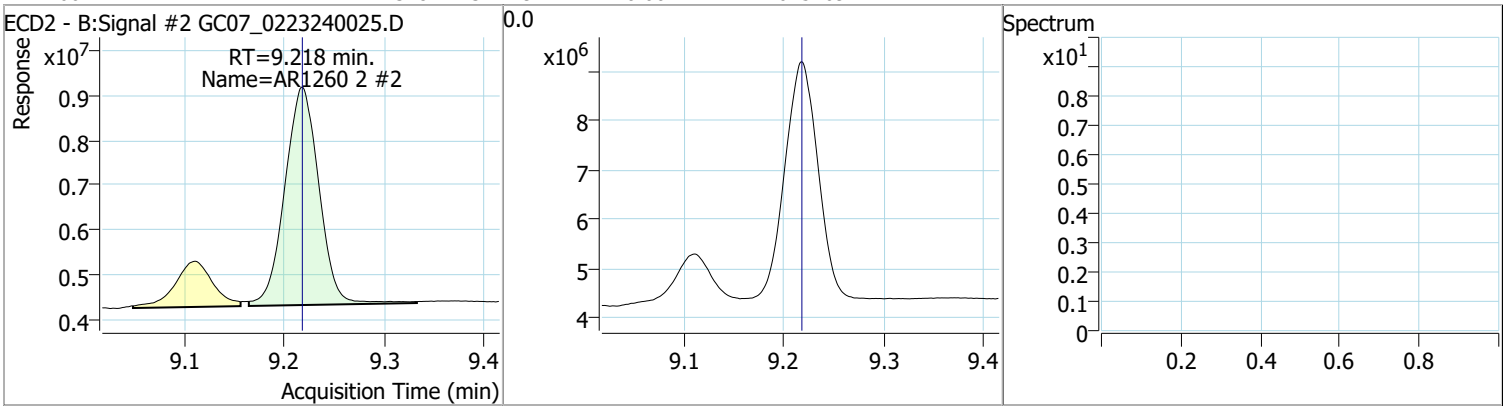

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 313.4960 | 8.85 | 0.00 | 10501109 | | | | |



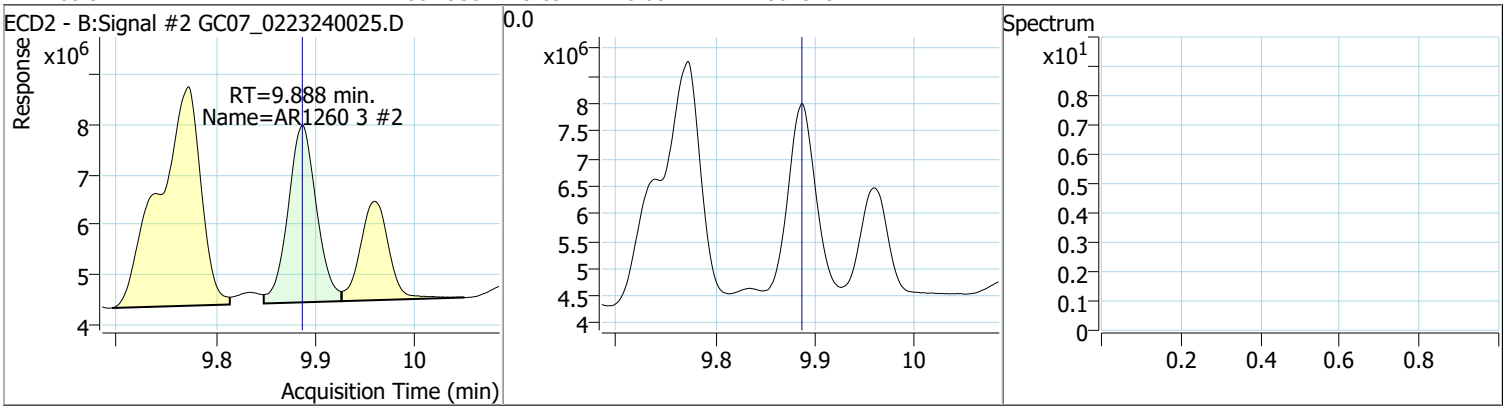
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 288.7938 | 9.05 | 0.00 | 41436140 (m) | | | | |



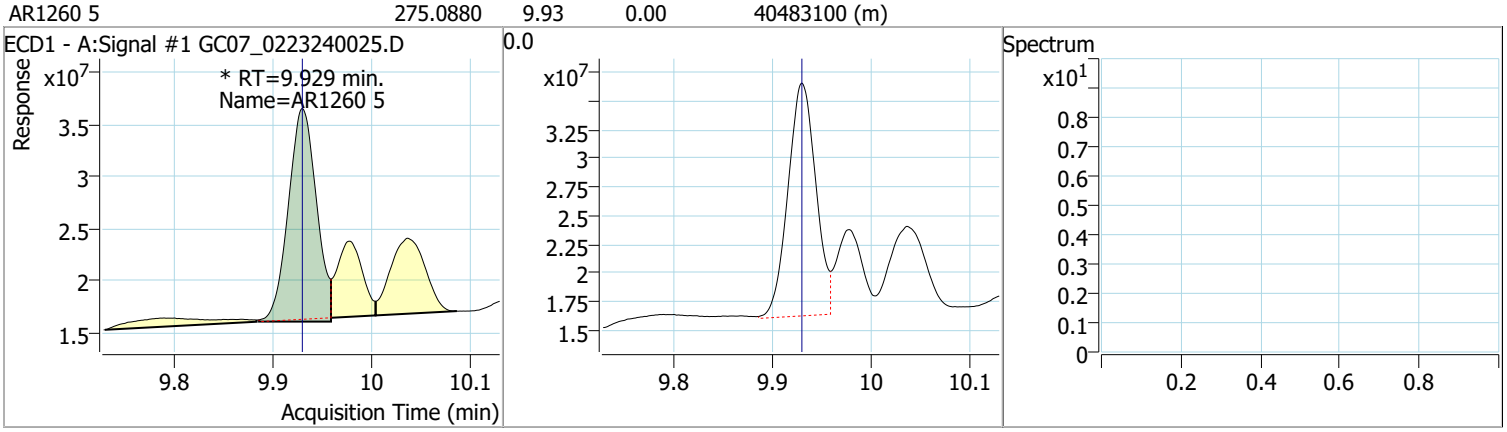

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 318.7273 | 9.22 | 0.00 | 11675409 | | | | |



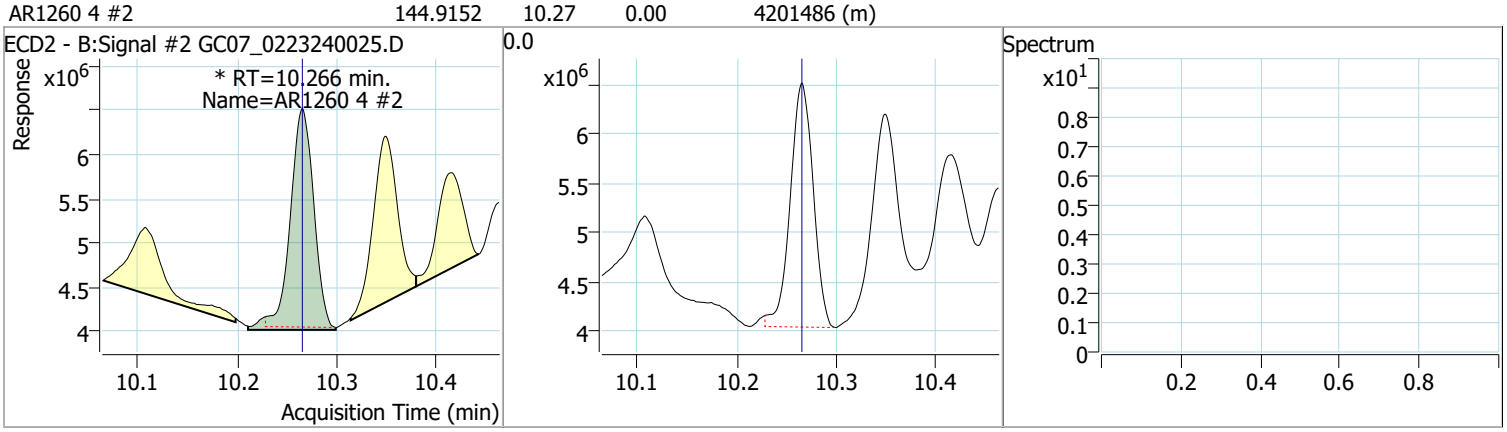

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 280.1950 | 9.89 | 0.00 | 7064818 | | | | |



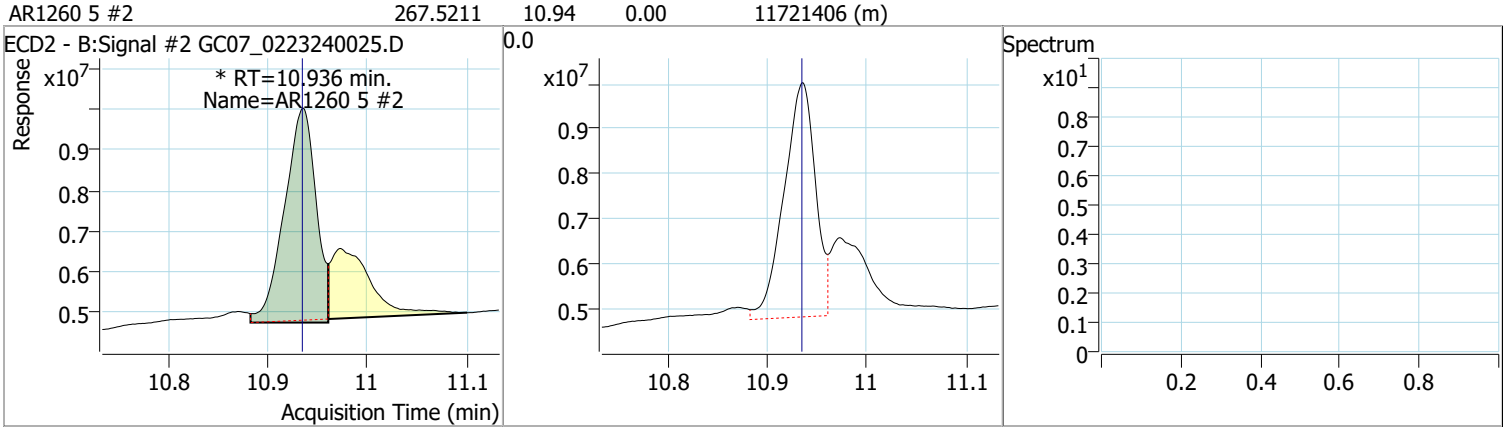

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 275.0880 | 9.93 | 0.00 | 40483100 (m) | | | | |



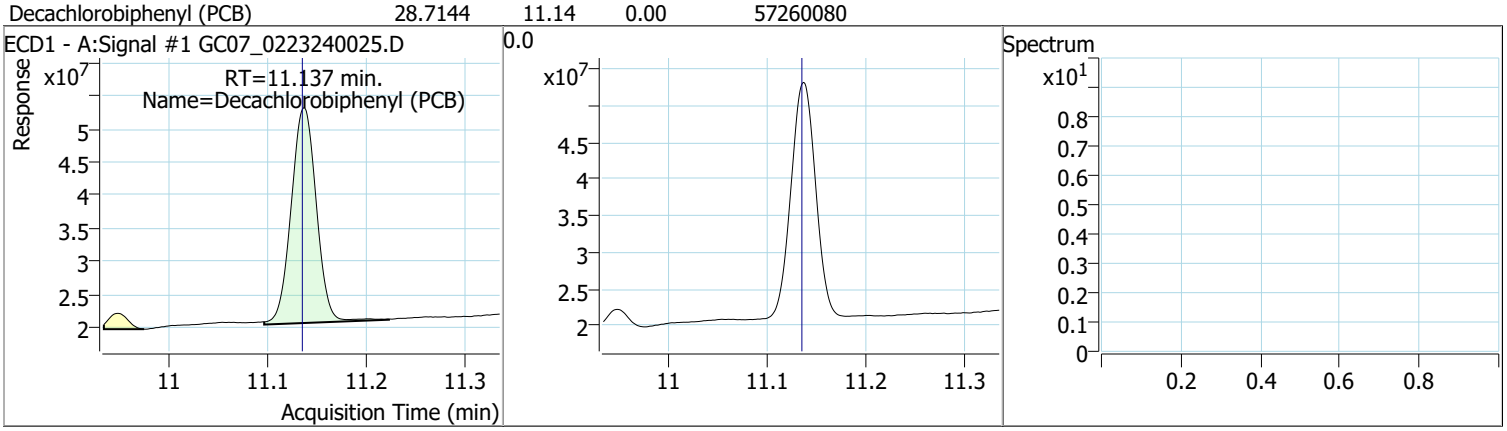
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 144.9152 | 10.27 | 0.00 | 4201486 (m) | | | | |



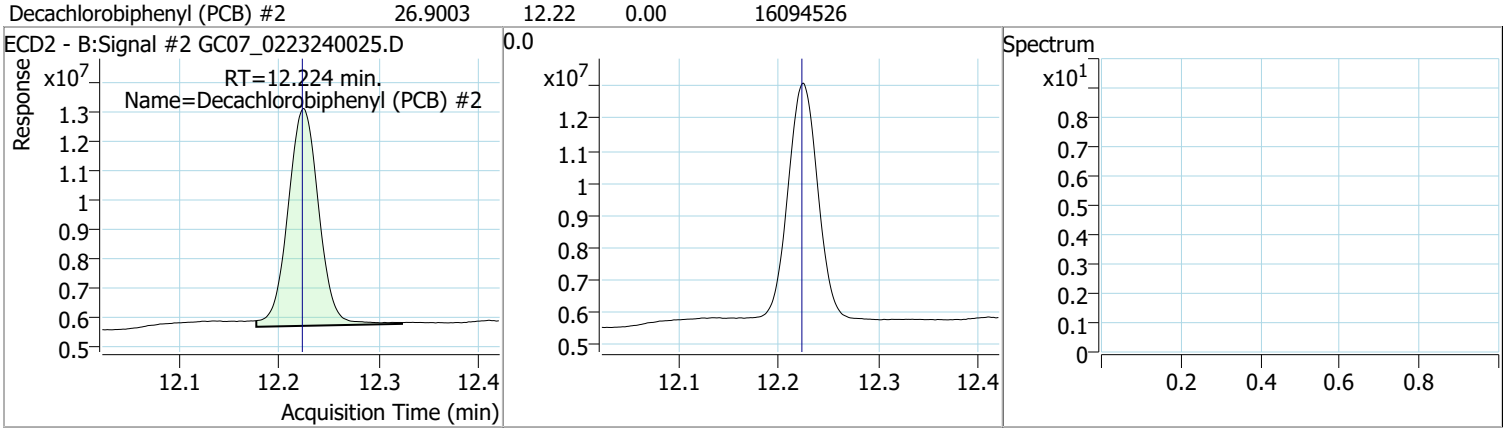

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 267.5211 | 10.94 | 0.00 | 11721406 (m) | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 28.7144 | 11.14 | 0.00 | 57260080 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 26.9003 | 12.22 | 0.00 | 16094526 | | | | |



**Initial Calibration Raw Data**

ENTHALPY INITIAL CALIBRATION FOR 502501 PCBS Wipe: EPA 8082

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | X Axis: | R |

| Level | File | Seqnum | Sample ID | Analyzed | Standards |
|---|---|---|---|---|---|
| L1 | gc07_0220240017 | 464074251017 | | 20-FEB-2024 13:49 | S19330 |
| L2 | gc07_0220240018 | 464074251018 | | 20-FEB-2024 14:06 | S19332 |
| L3 | gc07_0220240019 | 464074251019 | | 20-FEB-2024 14:24 | S19333 |
| L4 | gc07_0220240020 | 464074251020 | | 20-FEB-2024 14:41 | S19335 |
| L5 | gc07_0220240021 | 464074251021 | | 20-FEB-2024 14:59 | S19340 |
| L6 | gc07_0220240022 | 464074251022 | | 20-FEB-2024 15:16 | S19336 |
| L7 | gc07_0220240023 | 464074251023 | | 20-FEB-2024 15:33 | S19337 |
| L8 | gc07_0220240024 | 464074251024 | | 20-FEB-2024 15:51 | S19338 |
| L9 | gc07_0220240025 | 464074251025 | | 20-FEB-2024 16:08 | S19339 |

| Analyte | Ch | Type | a0 | a1 | a2 | Units | Avg RF | %RSD | n | Min $r^2$ | Max %RSD | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 Peak # 1 | A | AVRG | | 49.6616 | | ug/L | 0.0201 | 20 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 2 | A | AVRG | | 28.2095 | | ug/L | 0.0354 | 17 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 3 | A | AVRG | | 21.2007 | | ug/L | 0.0472 | 16 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 4 | A | AVRG | | 31.4555 | | ug/L | 0.0318 | 14 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 5 | A | AVRG | | 35.5181 | | ug/L | 0.0282 | 16 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 1 | A | AVRG | | 17.7126 | | ug/L | 0.0565 | 17 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 2 | A | AVRG | | 11.0472 | | ug/L | 0.0905 | 18 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 3 | A | AVRG | | 9.75392 | | ug/L | 0.1025 | 15 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 4 | A | AVRG | | 17.3910 | | ug/L | 0.0575 | 14 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 5 | A | AVRG | | 16.9556 | | ug/L | 0.0590 | 12 | 9 | .99 | 20 | |
| Decachlorobiphenyl (PCB) | A | AVRG | | 1.25131 | | pg/uL | 0.7992 | 11 | 9 | .99 | 20 | |
| TCMX (PCB) | A | AVRG | | 1.09986 | | pg/uL | 0.9092 | 14 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 1 | B | AVRG | | 53.5706 | | ug/L | 0.0187 | 12 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 2 | B | AVRG | | 26.8527 | | ug/L | 0.0372 | 12 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 3 | B | AVRG | | 19.5293 | | ug/L | 0.0512 | 15 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 4 | B | AVRG | | 29.5316 | | ug/L | 0.0339 | 12 | 9 | .99 | 20 | |
| Aroclor-1016 Peak # 5 | B | AVRG | | 36.6033 | | ug/L | 0.0273 | 10 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 1 | B | AVRG | | 15.6892 | | ug/L | 0.0637 | 11 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 2 | B | AVRG | | 14.3467 | | ug/L | 0.0697 | 14 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 3 | B | AVRG | | 20.8432 | | ug/L | 0.0480 | 11 | 8 | .99 | 20 | |
| Aroclor-1260 Peak # 4 | B | AVRG | | 18.1266 | | ug/L | 0.0552 | 9 | 9 | .99 | 20 | |
| Aroclor-1260 Peak # 5 | B | AVRG | | 11.9945 | | ug/L | 0.0834 | 13 | 9 | .99 | 20 | |
| Decachlorobiphenyl (PCB) | B | AVRG | | 0.87838 | | pg/uL | 1.1385 | 17 | 9 | .99 | 20 | |
| TCMX (PCB) | B | AVRG | | 1.14723 | | pg/uL | 0.8717 | 9 | 9 | .99 | 20 | |

ENTHALPY INITIAL CALIBRATION FOR 502501 PCBS Wipe: EPA 8082

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | X Axis: | R |

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

| Analyte | Ch | L1 RF | L2 RF | L3 RF | L4 RF | L5 RF | L6 RF | L7 RF | L8 RF | L9 RF |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 Peak # 1 | A | 0.0268 | 0.0250 | 0.0234 | 0.0204 | 0.0155 | 0.0186 | 0.0178 | 0.0171 | 0.0167 |
| Aroclor-1016 Peak # 2 | A | 0.0445 | 0.0425 | 0.0411 | 0.0370 | 0.0281 | 0.0336 | 0.0318 | 0.0308 | 0.0297 |
| Aroclor-1016 Peak # 3 | A | 0.0531 | 0.0579 | 0.0571 | 0.0499 | 0.0365 | 0.0456 | 0.0426 | 0.0419 | 0.0398 |
| Aroclor-1016 Peak # 4 | A | 0.0366 | 0.0374 | 0.0375 | 0.0337 | 0.0259 | 0.0308 | 0.0286 | 0.0288 | 0.0269 |
| Aroclor-1016 Peak # 5 | A | 0.0338 | 0.0340 | 0.0328 | 0.0293 | 0.0222 | 0.0267 | 0.0254 | 0.0250 | 0.0241 |
| Aroclor-1260 Peak # 1 | A | 0.0704 | 0.0662 | 0.0660 | 0.0595 | 0.0429 | 0.0555 | 0.0507 | 0.0497 | 0.0470 |
| Aroclor-1260 Peak # 2 | A | 0.1147 | 0.1064 | 0.1061 | 0.0933 | 0.0696 | 0.0904 | 0.0806 | 0.0797 | 0.0739 |
| Aroclor-1260 Peak # 3 | A | 0.1258 | 0.1172 | 0.1179 | 0.1056 | 0.0789 | 0.1036 | 0.0934 | 0.0932 | 0.0871 |
| Aroclor-1260 Peak # 4 | A | 0.0700 | 0.0637 | 0.0649 | 0.0591 | 0.0445 | 0.0594 | 0.0533 | 0.0532 | 0.0495 |
| Aroclor-1260 Peak # 5 | A | 0.0595 | 0.0619 | 0.0649 | 0.0611 | 0.0466 | 0.0708 | 0.0553 | 0.0591 | 0.0516 |
| Decachlorobiphenyl (PCB) | A | 0.9142 | 0.8015 | 0.8643 | 0.8229 | 0.6274 | 0.8857 | 0.7715 | 0.7915 | 0.7135 |
| TCMX (PCB) | A | 1.0845 | 1.0647 | 1.0198 | 0.9264 | 0.7160 | 0.8690 | 0.8398 | 0.8327 | 0.8300 |
| Aroclor-1016 Peak # 1 | B | 0.0221 | 0.0209 | 0.0202 | 0.0192 | 0.0152 | 0.0186 | 0.0176 | 0.0173 | 0.0169 |
| Aroclor-1016 Peak # 2 | B | 0.0430 | 0.0424 | 0.0408 | 0.0388 | 0.0304 | 0.0375 | 0.0349 | 0.0343 | 0.0331 |
| Aroclor-1016 Peak # 3 | B | 0.0662 | 0.0577 | 0.0562 | 0.0519 | 0.0408 | 0.0505 | 0.0465 | 0.0457 | 0.0453 |
| Aroclor-1016 Peak # 4 | B | 0.0401 | 0.0372 | 0.0371 | 0.0352 | 0.0274 | 0.0341 | 0.0319 | 0.0315 | 0.0304 |
| Aroclor-1016 Peak # 5 | B | 0.0306 | 0.0299 | 0.0299 | 0.0282 | 0.0224 | 0.0280 | 0.0261 | 0.0259 | 0.0248 |
| Aroclor-1260 Peak # 1 | B | 0.0737 | 0.0676 | 0.0704 | 0.0662 | 0.0511 | 0.0672 | 0.0599 | 0.0611 | 0.0565 |
| Aroclor-1260 Peak # 2 | B | 0.0842 | 0.0749 | 0.0798 | 0.0725 | 0.0549 | 0.0724 | 0.0640 | 0.0646 | 0.0601 |
| Aroclor-1260 Peak # 3 | B | | 0.0502 | 0.0549 | 0.0506 | 0.0389 | 0.0525 | 0.0463 | 0.0470 | 0.0435 |
| Aroclor-1260 Peak # 4 | B | 0.0593 | 0.0552 | 0.0606 | 0.0576 | 0.0444 | 0.0604 | 0.0535 | 0.0546 | 0.0509 |
| Aroclor-1260 Peak # 5 | B | 0.0988 | 0.0859 | 0.0929 | 0.0848 | 0.0640 | 0.0907 | 0.0780 | 0.0815 | 0.0737 |
| Decachlorobiphenyl (PCB) | B | 1.5082 | 1.1928 | 1.2679 | 1.1251 | 0.8454 | 1.2138 | 1.0487 | 1.0752 | 0.9689 |
| TCMX (PCB) | B | 0.9732 | 0.9133 | 0.9291 | 0.8736 | 0.6948 | 0.8754 | 0.8552 | 0.8663 | 0.8640 |

ENTHALPY INITIAL CALIBRATION FOR 502501 PCBS Wipe: EPA 8082

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | 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 | 33 | 50.000 | **24** | 100.00 | 16 | 250.00 | 1 | 500.00 | **-23** | 750.00 | -8 | 1000.0 | -11 | 1500.0 | -15 |
| Aroclor-1016 Peak # 2 | A | 20.000 | 26 | 50.000 | 20 | 100.00 | 16 | 250.00 | 4 | 500.00 | **-21** | 750.00 | -5 | 1000.0 | -10 | 1500.0 | -13 |
| Aroclor-1016 Peak # 3 | A | 20.000 | 13 | 50.000 | **23** | 100.00 | **21** | 250.00 | 6 | 500.00 | **-23** | 750.00 | -3 | 1000.0 | -10 | 1500.0 | -11 |
| Aroclor-1016 Peak # 4 | A | 20.000 | 15 | 50.000 | 18 | 100.00 | 18 | 250.00 | 6 | 500.00 | -19 | 750.00 | -3 | 1000.0 | -10 | 1500.0 | -9 |
| Aroclor-1016 Peak # 5 | A | 20.000 | 20 | 50.000 | **21** | 100.00 | 17 | 250.00 | 4 | 500.00 | **-21** | 750.00 | -5 | 1000.0 | -10 | 1500.0 | -11 |
| Aroclor-1260 Peak # 1 | A | 20.000 | 25 | 50.000 | 17 | 100.00 | 17 | 250.00 | 5 | 500.00 | **-24** | 750.00 | -2 | 1000.0 | -10 | 1500.0 | -12 |
| Aroclor-1260 Peak # 2 | A | 20.000 | 27 | 50.000 | 17 | 100.00 | 17 | 250.00 | 3 | 500.00 | **-23** | 750.00 | 0 | 1000.0 | -11 | 1500.0 | -12 |
| Aroclor-1260 Peak # 3 | A | 20.000 | 23 | 50.000 | 14 | 100.00 | 15 | 250.00 | 3 | 500.00 | **-23** | 750.00 | 1 | 1000.0 | -9 | 1500.0 | -9 |
| Aroclor-1260 Peak # 4 | A | 20.000 | 22 | 50.000 | 11 | 100.00 | 13 | 250.00 | 3 | 500.00 | **-23** | 750.00 | 3 | 1000.0 | -7 | 1500.0 | -8 |
| Aroclor-1260 Peak # 5 | A | 20.000 | 1 | 50.000 | 5 | 100.00 | 10 | 250.00 | 4 | 500.00 | **-21** | 750.00 | 20 | 1000.0 | -6 | 1500.0 | 0 |
| Decachlorobiphenyl (PCB) | A | 1.6000 | 14 | 4.0000 | 0 | 8.0000 | 8 | 20.000 | 3 | 40.000 | **-21** | 60.000 | 11 | 80.000 | -3 | 120.00 | -1 |
| TCMX (PCB) | A | 1.6000 | 19 | 4.0000 | 17 | 8.0000 | 12 | 20.000 | 2 | 40.000 | **-21** | 60.000 | -4 | 80.000 | -8 | 120.00 | -8 |
| Aroclor-1016 Peak # 1 | B | 20.000 | 18 | 50.000 | 12 | 100.00 | 8 | 250.00 | 3 | 500.00 | -19 | 750.00 | 0 | 1000.0 | -6 | 1500.0 | -7 |
| Aroclor-1016 Peak # 2 | B | 20.000 | 16 | 50.000 | 14 | 100.00 | 10 | 250.00 | 4 | 500.00 | -18 | 750.00 | 1 | 1000.0 | -6 | 1500.0 | -8 |
| Aroclor-1016 Peak # 3 | B | 20.000 | 29 | 50.000 | 13 | 100.00 | 10 | 250.00 | 1 | 500.00 | -20 | 750.00 | -1 | 1000.0 | -9 | 1500.0 | -11 |
| Aroclor-1016 Peak # 4 | B | 20.000 | 18 | 50.000 | 10 | 100.00 | 9 | 250.00 | 4 | 500.00 | -19 | 750.00 | 1 | 1000.0 | -6 | 1500.0 | -7 |
| Aroclor-1016 Peak # 5 | B | 20.000 | 12 | 50.000 | 9 | 100.00 | 10 | 250.00 | 3 | 500.00 | -18 | 750.00 | 2 | 1000.0 | -5 | 1500.0 | -5 |
| Aroclor-1260 Peak # 1 | B | 20.000 | 16 | 50.000 | 6 | 100.00 | 10 | 250.00 | 4 | 500.00 | -20 | 750.00 | 5 | 1000.0 | -6 | 1500.0 | -4 |
| Aroclor-1260 Peak # 2 | B | 20.000 | 21 | 50.000 | 7 | 100.00 | 14 | 250.00 | 4 | 500.00 | **-21** | 750.00 | 4 | 1000.0 | -8 | 1500.0 | -7 |
| Aroclor-1260 Peak # 3 | B | | | 50.000 | 5 | 100.00 | 15 | 250.00 | 5 | 500.00 | -19 | 750.00 | 9 | 1000.0 | -4 | 1500.0 | -2 |
| Aroclor-1260 Peak # 4 | B | 20.000 | 8 | 50.000 | 0 | 100.00 | 10 | 250.00 | 4 | 500.00 | -20 | 750.00 | 9 | 1000.0 | -3 | 1500.0 | -1 |
| Aroclor-1260 Peak # 5 | B | 20.000 | 18 | 50.000 | 3 | 100.00 | 11 | 250.00 | 2 | 500.00 | **-23** | 750.00 | 9 | 1000.0 | -6 | 1500.0 | -2 |
| Decachlorobiphenyl (PCB) | B | 1.6000 | 32 | 4.0000 | 5 | 8.0000 | 11 | 20.000 | -1 | 40.000 | **-26** | 60.000 | 7 | 80.000 | -8 | 120.00 | -6 |
| TCMX (PCB) | B | 1.6000 | 12 | 4.0000 | 5 | 8.0000 | 7 | 20.000 | 0 | 40.000 | -20 | 60.000 | 0 | 80.000 | -2 | 120.00 | -1 |

| | | | |
|---|---|---|---|
| Instrument: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calibration #: | 464074251001 | Date: | 20-FEB-2024 13:31 |
| | | X Axis: | R |

| Spiked Amounts / Drifts | Ch | L9 | %D |
|---|---|---|---|
| Aroclor-1016 Peak # 1 | A | 2000.0 | -17 |
| Aroclor-1016 Peak # 2 | A | 2000.0 | -16 |
| Aroclor-1016 Peak # 3 | A | 2000.0 | -16 |
| Aroclor-1016 Peak # 4 | A | 2000.0 | -15 |
| Aroclor-1016 Peak # 5 | A | 2000.0 | -14 |
| Aroclor-1260 Peak # 1 | A | 2000.0 | -17 |
| Aroclor-1260 Peak # 2 | A | 2000.0 | -18 |
| Aroclor-1260 Peak # 3 | A | 2000.0 | -15 |
| Aroclor-1260 Peak # 4 | A | 2000.0 | -14 |
| Aroclor-1260 Peak # 5 | A | 2000.0 | -13 |
| Decachlorobiphenyl (PCB) | A | 160.00 | -11 |
| TCMX (PCB) | A | 160.00 | -9 |
| Aroclor-1016 Peak # 1 | B | 2000.0 | -9 |
| Aroclor-1016 Peak # 2 | B | 2000.0 | -11 |
| Aroclor-1016 Peak # 3 | B | 2000.0 | -11 |
| Aroclor-1016 Peak # 4 | B | 2000.0 | -10 |
| Aroclor-1016 Peak # 5 | B | 2000.0 | -9 |
| Aroclor-1260 Peak # 1 | B | 2000.0 | -11 |
| Aroclor-1260 Peak # 2 | B | 2000.0 | -14 |
| Aroclor-1260 Peak # 3 | B | 2000.0 | -9 |
| Aroclor-1260 Peak # 4 | B | 2000.0 | -8 |
| Aroclor-1260 Peak # 5 | B | 2000.0 | -12 |
| Decachlorobiphenyl (PCB) | B | 160.00 | -15 |
| TCMX (PCB) | B | 160.00 | -1 |

TRN 02/20/24 : manually integrated for coeluting peak ,negative/tailing peak, automatic draw baseline for one/both columns for multiple levels

**Analyst:** TRN 02/20/24

**Reviewer:** LW 02/21/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 502501 PCBS Wipe

EPA 8082

| | | | |
|---|---|---|---|
| Inst: | SVOA-GC07 | Name: | PCB_022024_1 |
| Calnum: | 464074251001 | Cal Date: | 20-FEB-2024 |

- ICV 464074251027 (gc07_0220240027 20-FEB-2024) stds: S19897

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | 500.0 | 514.5 | ug/L | 3 | 15 | |
| Aroclor-1260 | A | 500.0 | 497.7 | ug/L | 0 | 15 | |
| Aroclor-1016 | B | 500.0 | 521.0 | ug/L | 4 | 15 | |
| Aroclor-1260 | B | 500.0 | 465.8 | ug/L | -7 | 15 | |

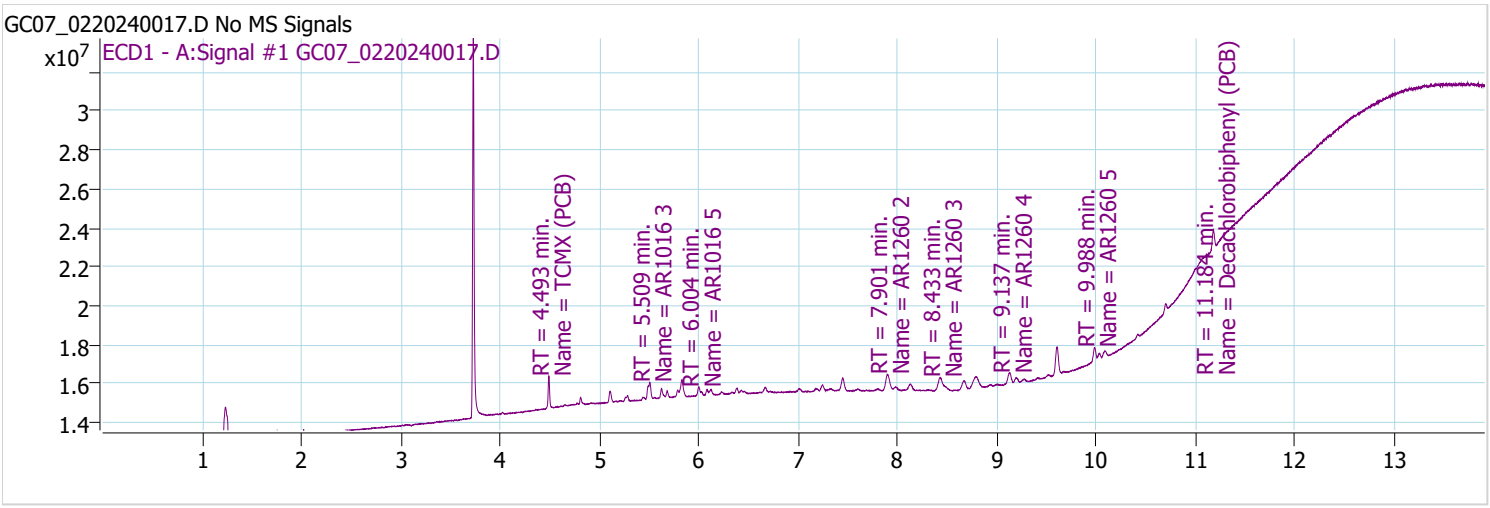
-

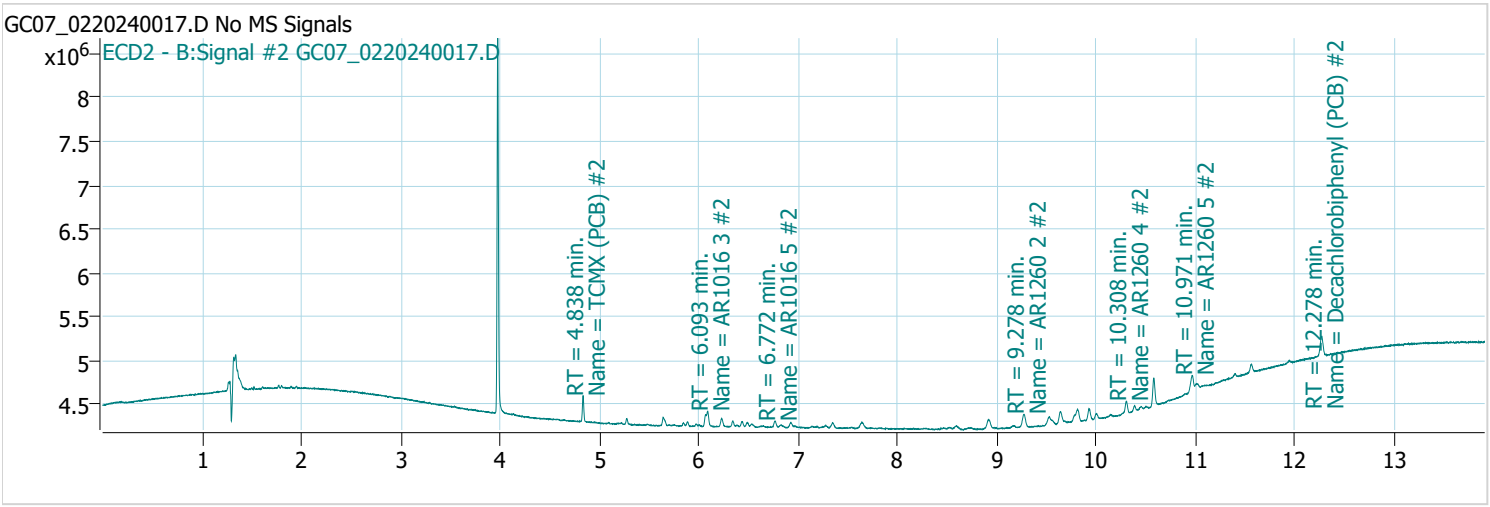
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**Analyst:** TRN 02/20/24 **Reviewer:** LW 02/21/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240017.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 1:49:25 PM |
| Sample Name | ICAL, S19330 | Instrument | SVOA-GC07 |
| Vial | 131 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 20 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



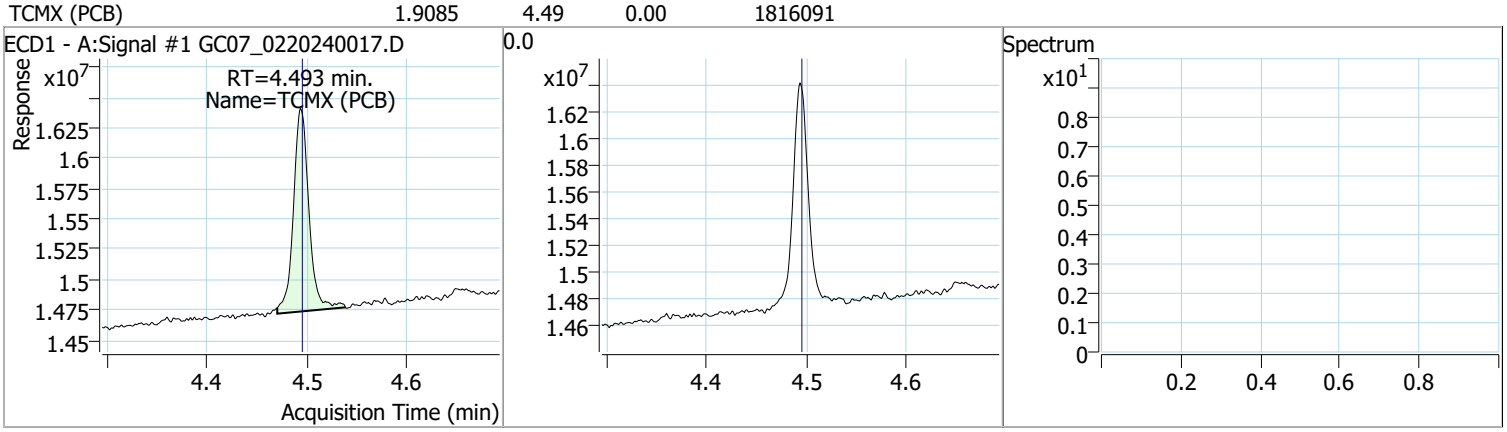




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.733 | 0.0 | 20931848.916 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.978 | 0.0 | 4151028.448 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 1816091.388 | 1.9085 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 9.54% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 323176.359 | 1.7863 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 8.93% | | * | |
| S Decachlorobiphenyl (PCB) | 11.184 | 0.0 | 1530919.300 | 1.8304 | ng/ml | m | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 9.15% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.278 | 0.0 | 500859.087 | 2.1197 | ng/ml | | 0.005 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 10.60% | | * | |
| **Target Compounds** | | | | | | | QValue |
| T AR1016 1 | 4.814 | 0.0 | 560310.312 | 26.5871 | ng/ml | | 100 |

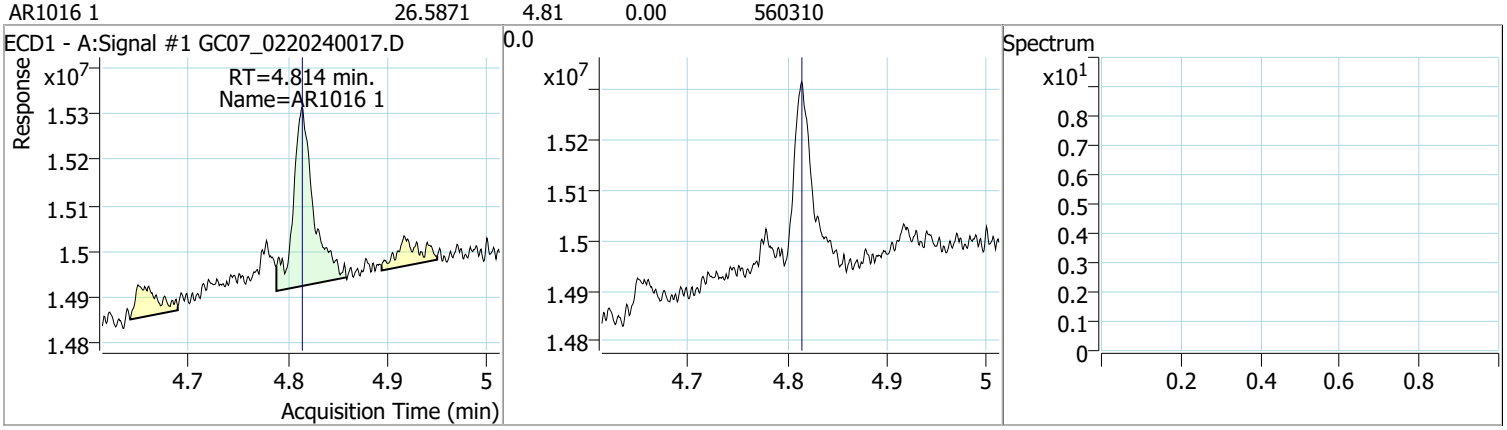
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 2 | 5.110 | 0.0 | 932294.082 | 25.1288 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.280 | 0.0 | 91607.310 | 23.6445 | ng/ml | | 100 |
| T AR1016 3 | 5.509 | 0.0 | 1111840.353 | 22.5224 | ng/ml | m | 100 |
| T AR1016 4 | 5.629 | 0.0 | 766057.374 | 23.0240 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.644 | 0.0 | 178625.431 | 23.1103 | ng/ml | | 100 |
| T AR1016 5 | 6.004 | 0.0 | 707392.116 | 24.0067 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.093 | 0.0 | 274823.739 | 25.8593 | ng/ml | | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 166555.876 | 23.6985 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.772 | 0.0 | 127168.896 | 22.4272 | ng/ml | | 100 |
| T AR1260 1 | 7.453 | 0.0 | 1474016.999 | 24.9464 | ng/ml | | 100 |
| T AR1260 2 | 7.901 | 0.0 | 2401172.239 | 25.3453 | ng/ml | | 100 |
| T AR1260 3 | 8.433 | 0.0 | 2633993.489 | 24.5480 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.923 | 0.0 | 305762.396 | 23.1132 | ng/ml | | 100 |
| T AR1260 4 | 9.137 | 0.0 | 1464444.953 | 25.0119 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.278 | 0.0 | 349615.498 | 24.1667 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.932 | 0.0 | 228415.047 | 22.9384 | ng/ml | | 100 |
| T AR1260 5 | 9.988 | 0.0 | 1245080.034 | 20.1713 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 246270.263 | 21.5081 | ng/ml | | 100 |
| T AR1260 5 #2 | 10.971 | 0.0 | 410084.130 | 24.2599 | ng/ml | | 100 |

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

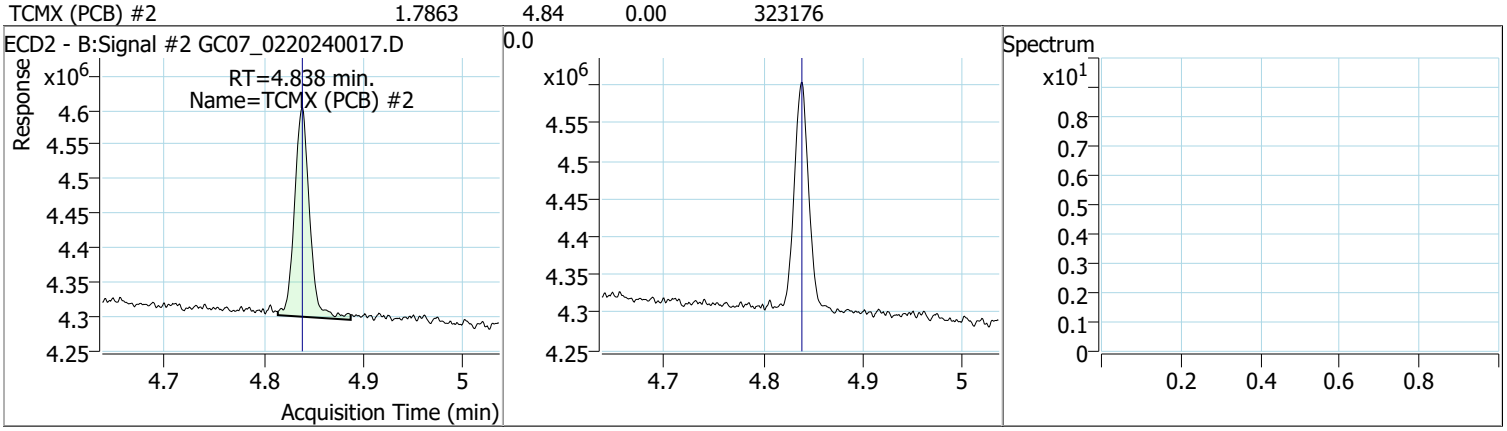
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 1.9085 | 4.49 | 0.00 | 1816091 | | | | |



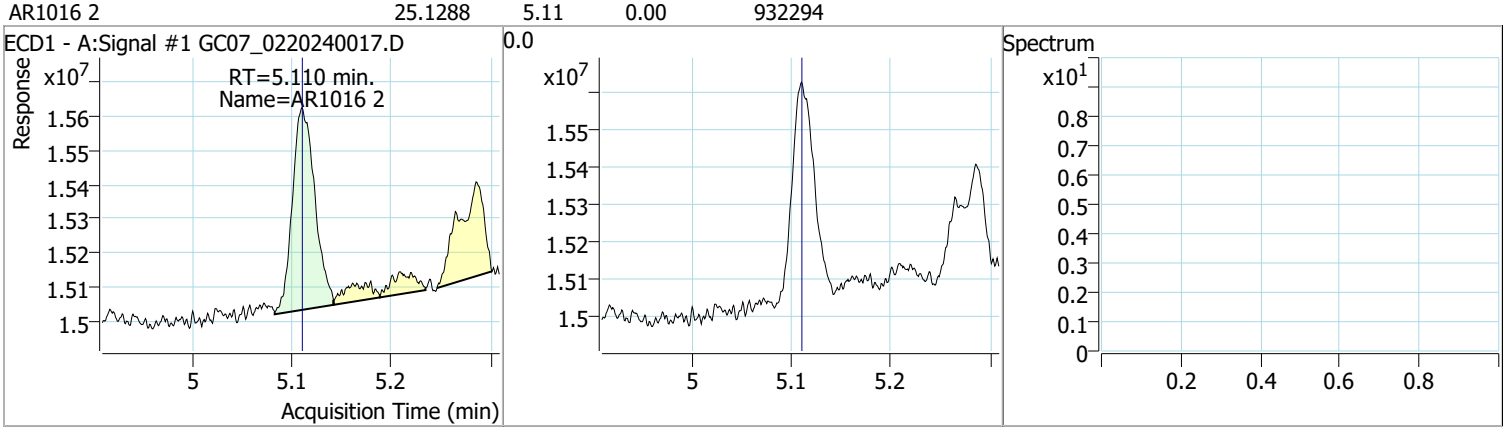

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 26.5871 | 4.81 | 0.00 | 560310 | | | | |



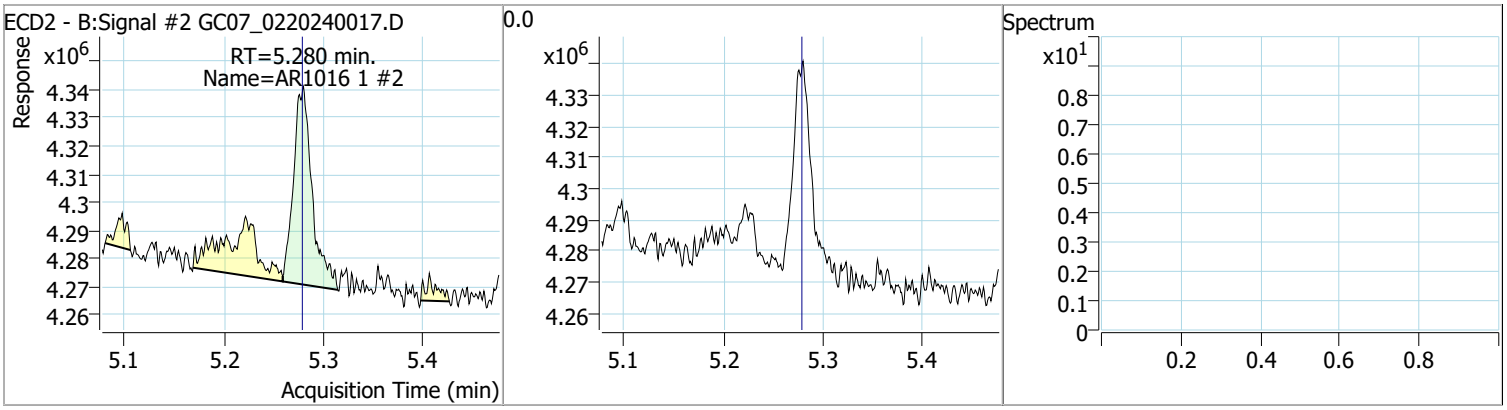

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 1.7863 | 4.84 | 0.00 | 323176 | | | | |



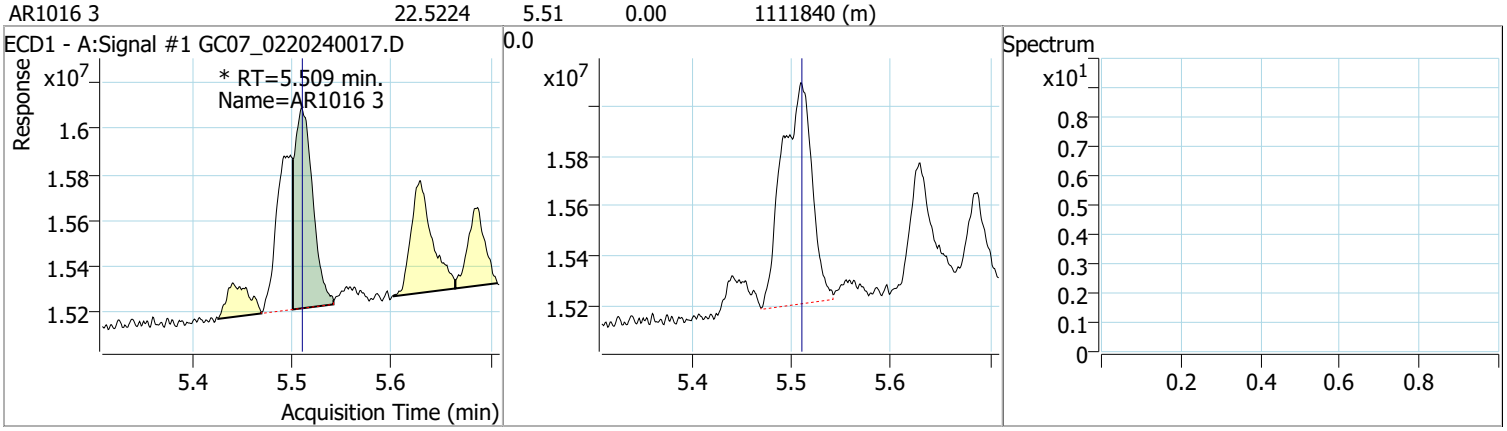

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 25.1288 | 5.11 | 0.00 | 932294 | | | | |



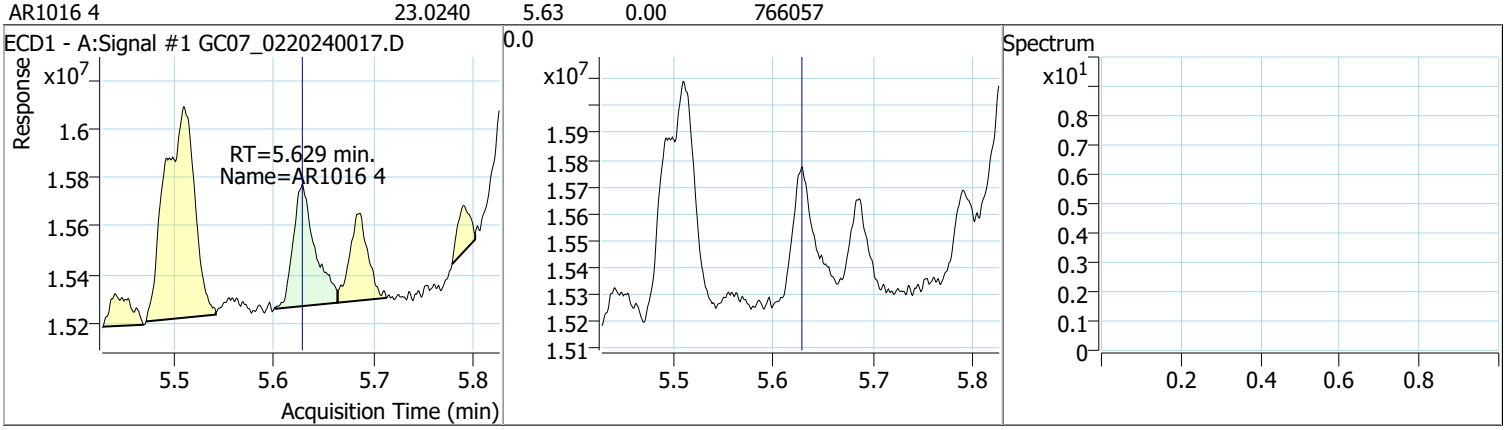
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 23.6445 | 5.28 | 0.00 | 91607 | | | | |



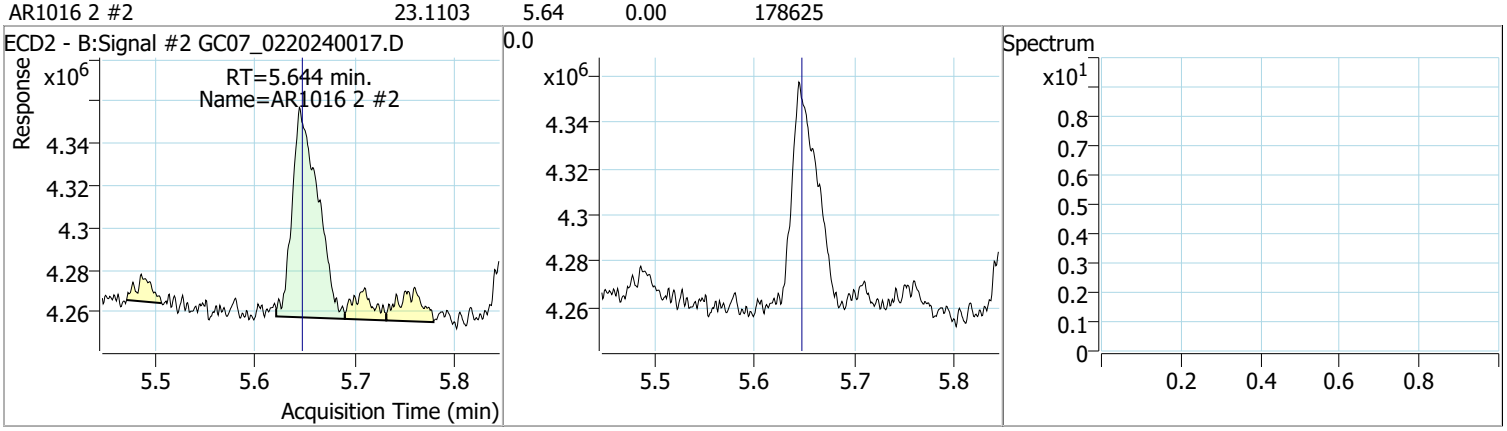

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 22.5224 | 5.51 | 0.00 | 1111840 (m) | | | | |



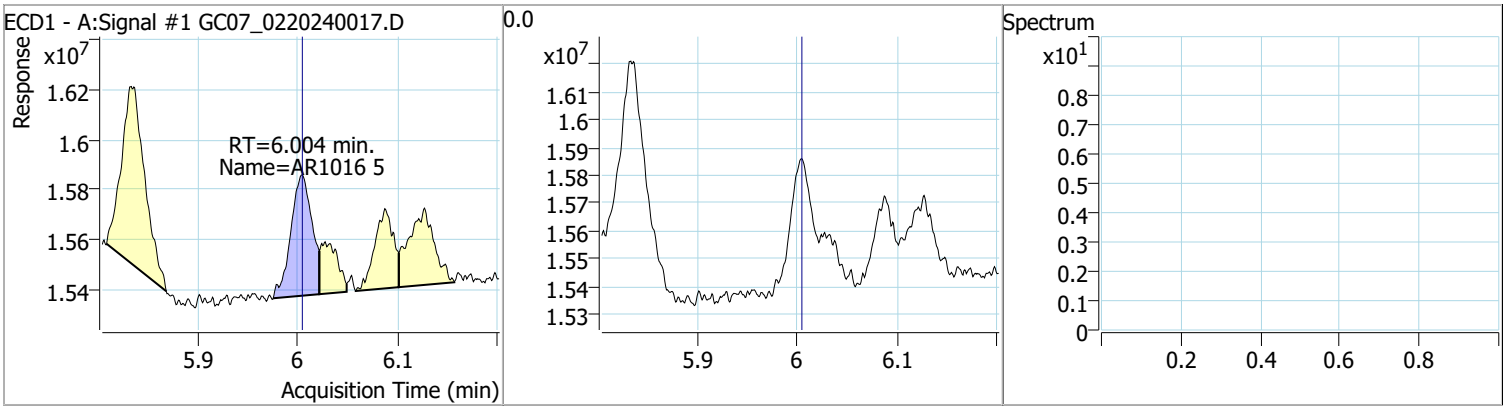

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 23.0240 | 5.63 | 0.00 | 766057 | | | | |



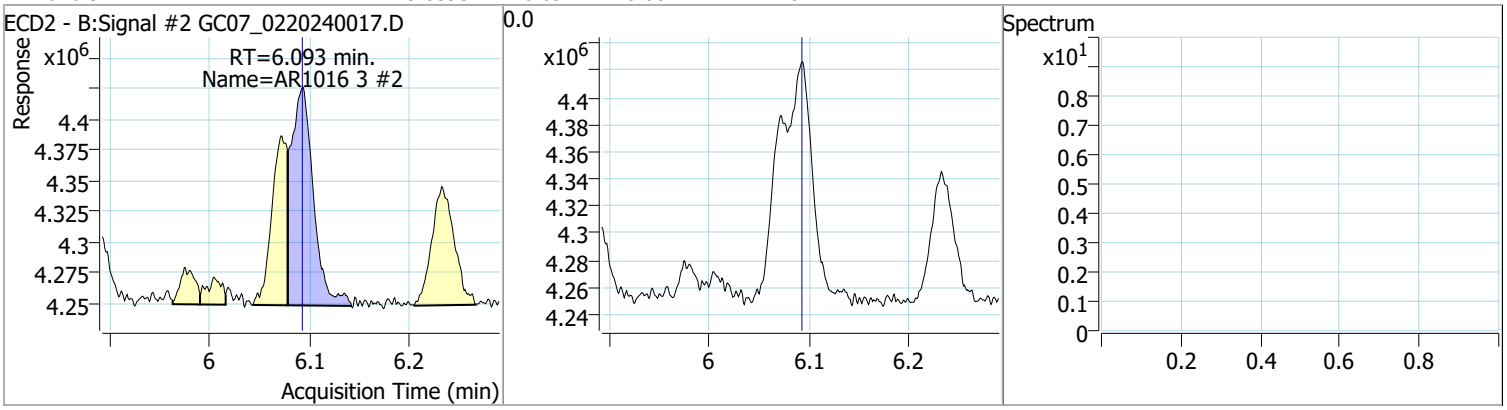

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 23.1103 | 5.64 | 0.00 | 178625 | | | | |



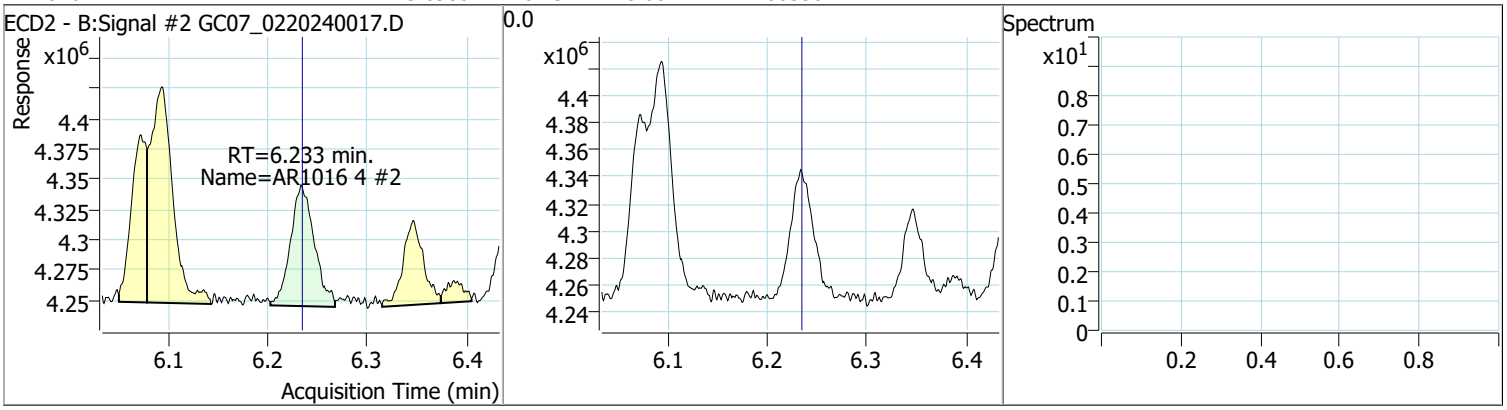
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 24.0067 | 6.00 | 0.00 | 707392 | | | | |



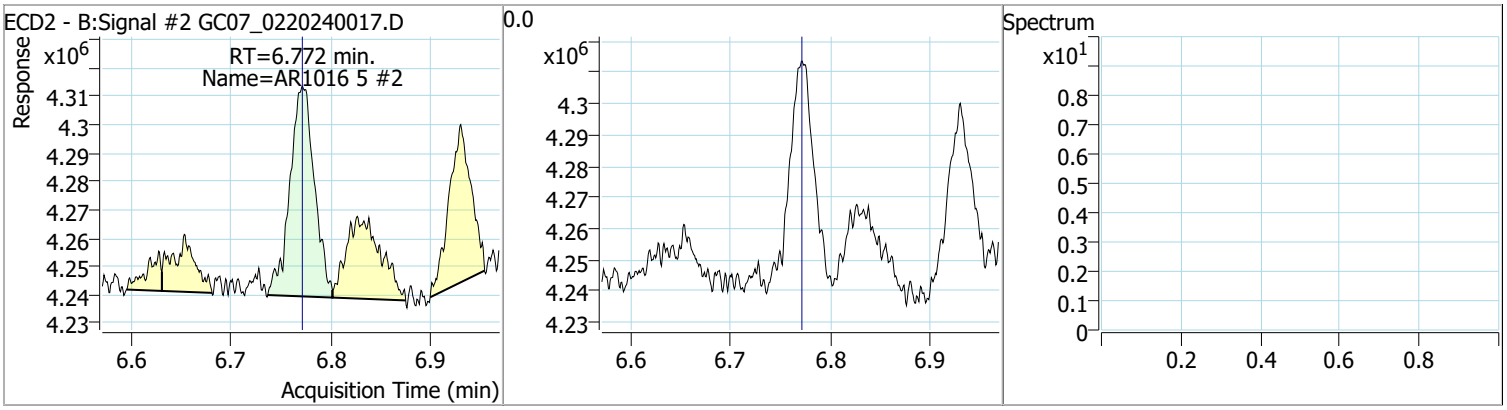

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 25.8593 | 6.09 | 0.00 | 274824 | | | | |



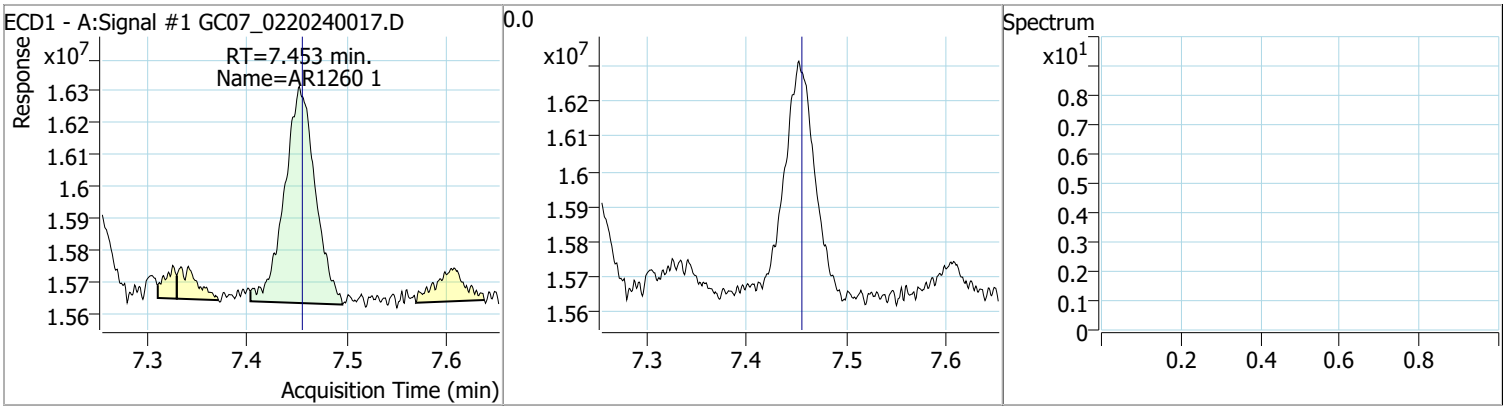

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 23.6985 | 6.23 | 0.00 | 166556 | | | | |



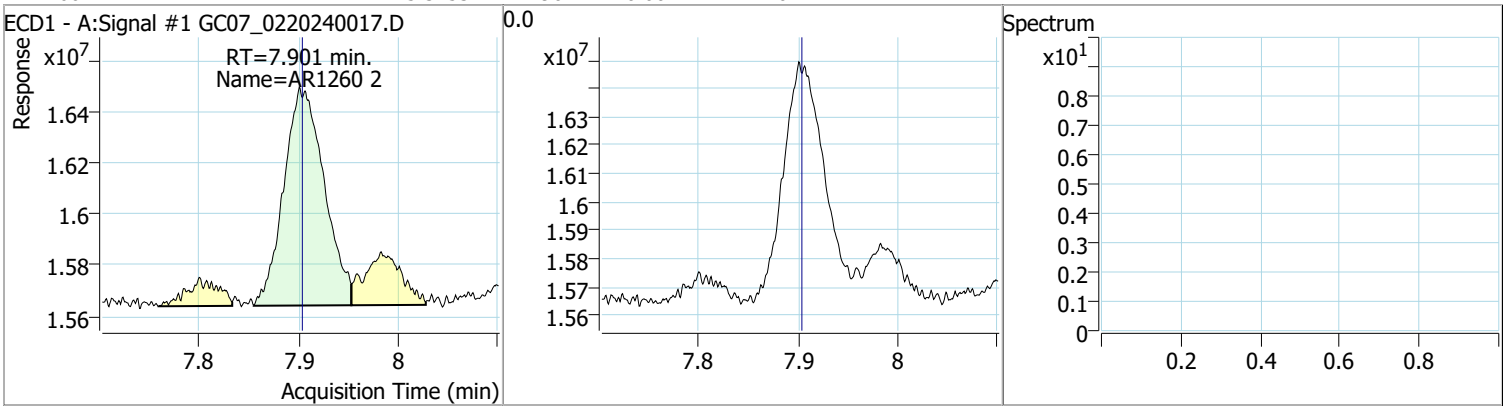

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 22.4272 | 6.77 | 0.00 | 127169 | | | | |



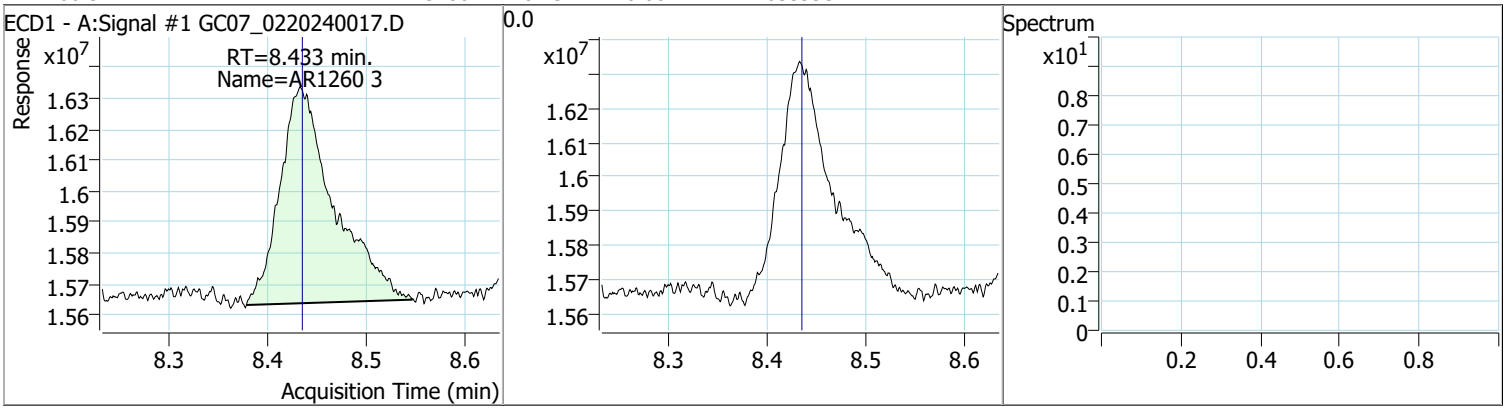
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 24.9464 | 7.45 | 0.00 | 1474017 | | | | |



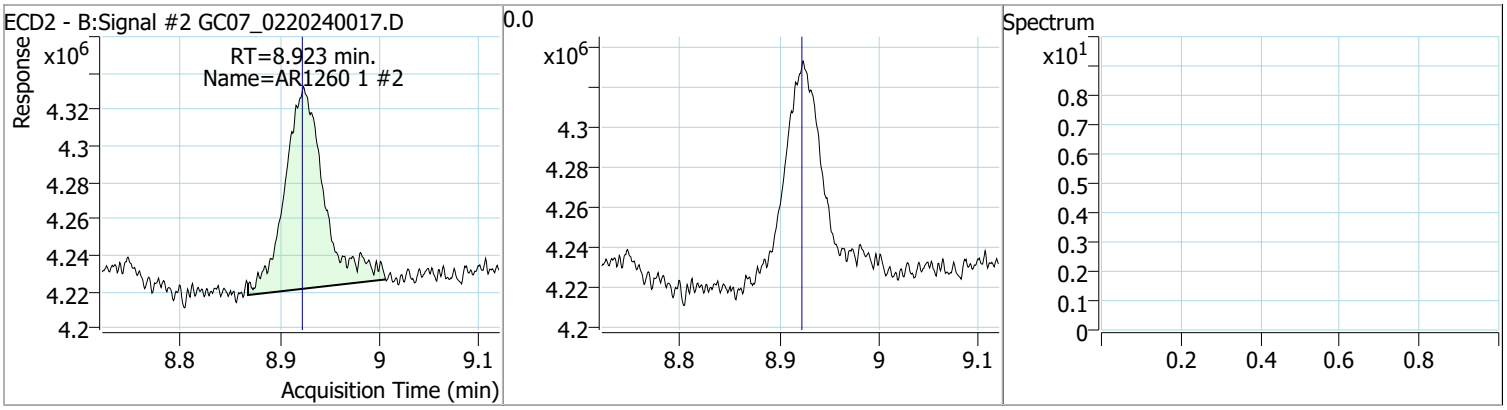

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 25.3453 | 7.90 | 0.00 | 2401172 | | | | |



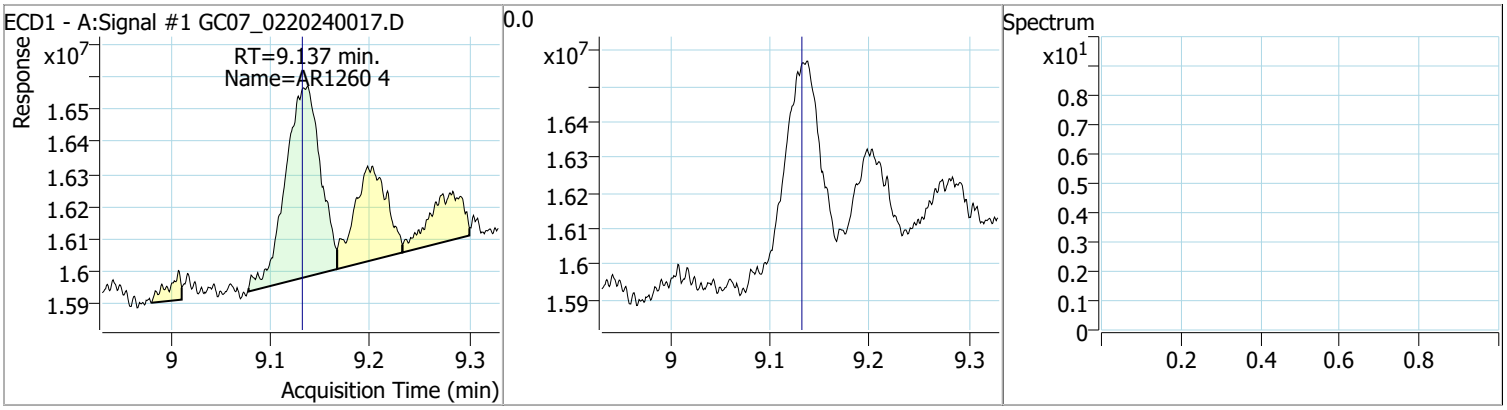

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 24.5480 | 8.43 | 0.00 | 2633993 | | | | |



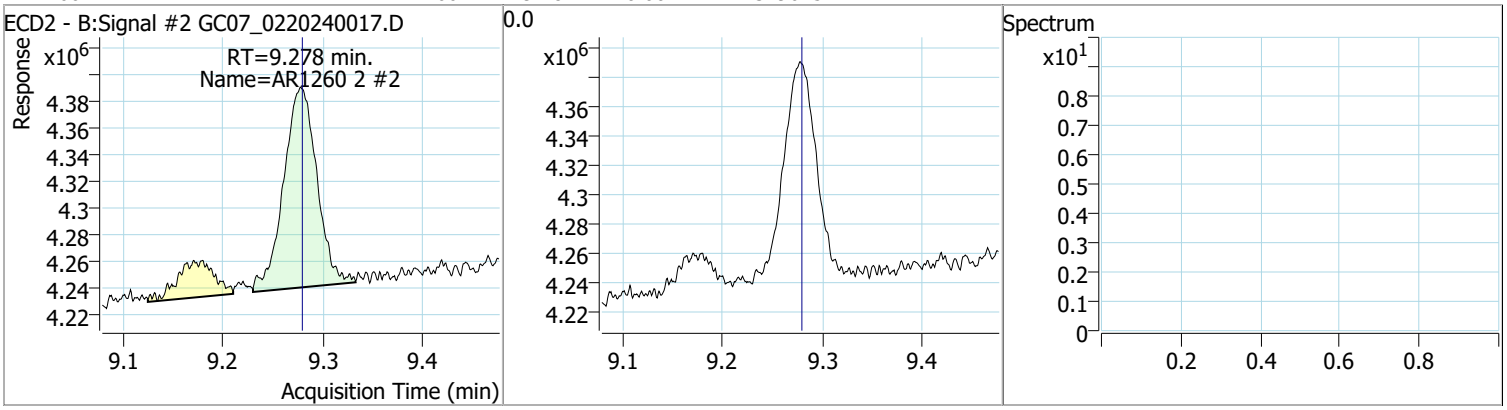

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 23.1132 | 8.92 | 0.00 | 305762 | | | | |



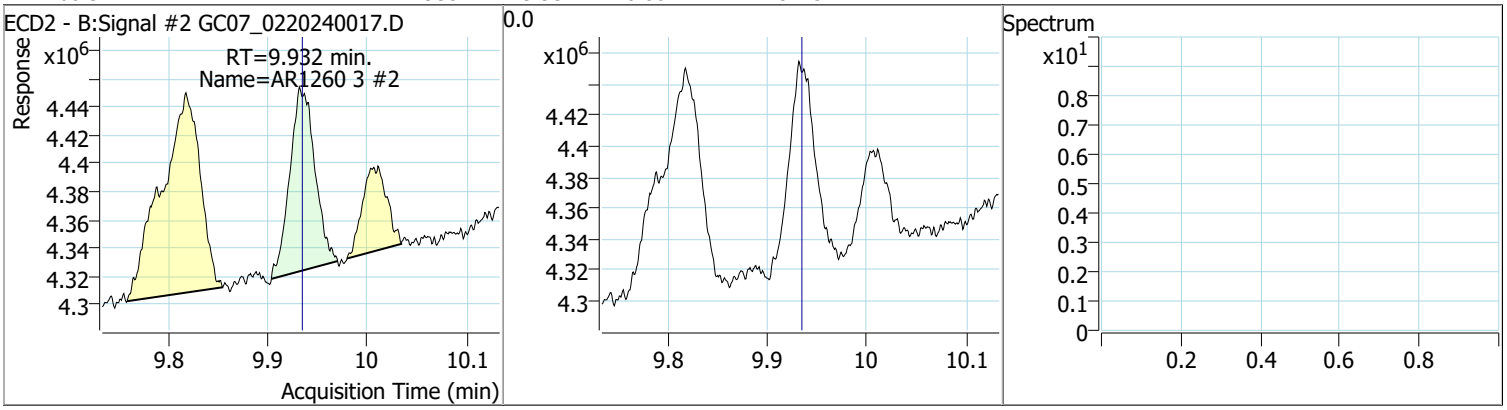
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 25.0119 | 9.14 | 0.01 | 1464445 | | | | |



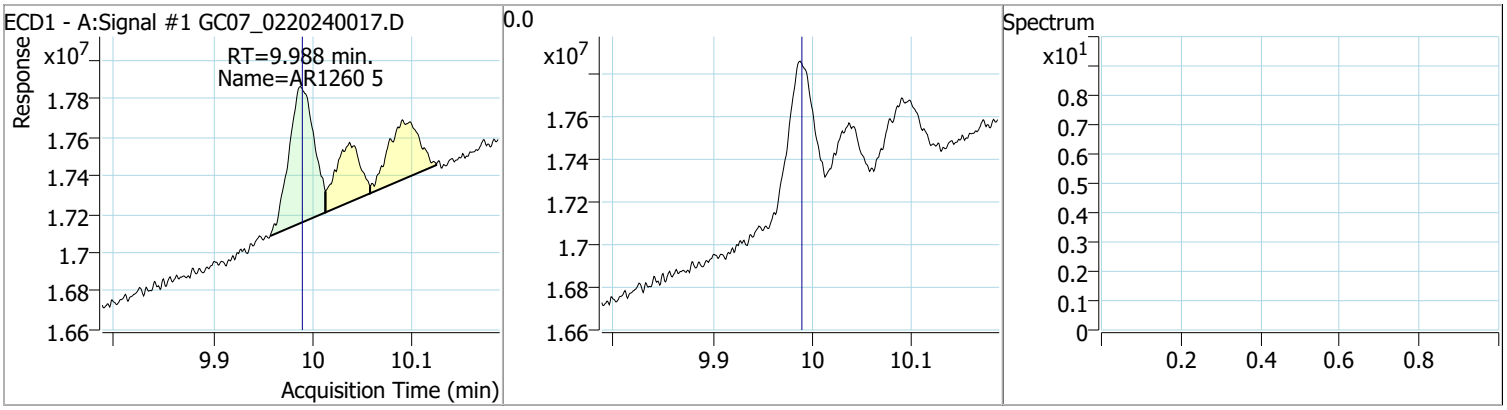

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 24.1667 | 9.28 | 0.00 | 349615 | | | | |



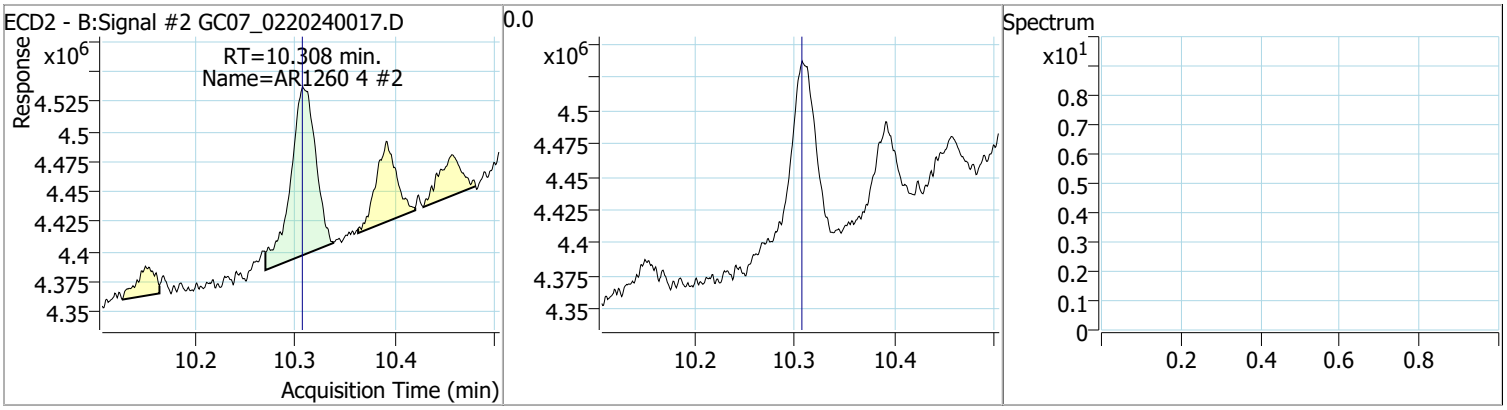

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 22.9384 | 9.93 | 0.00 | 228415 | | | | |



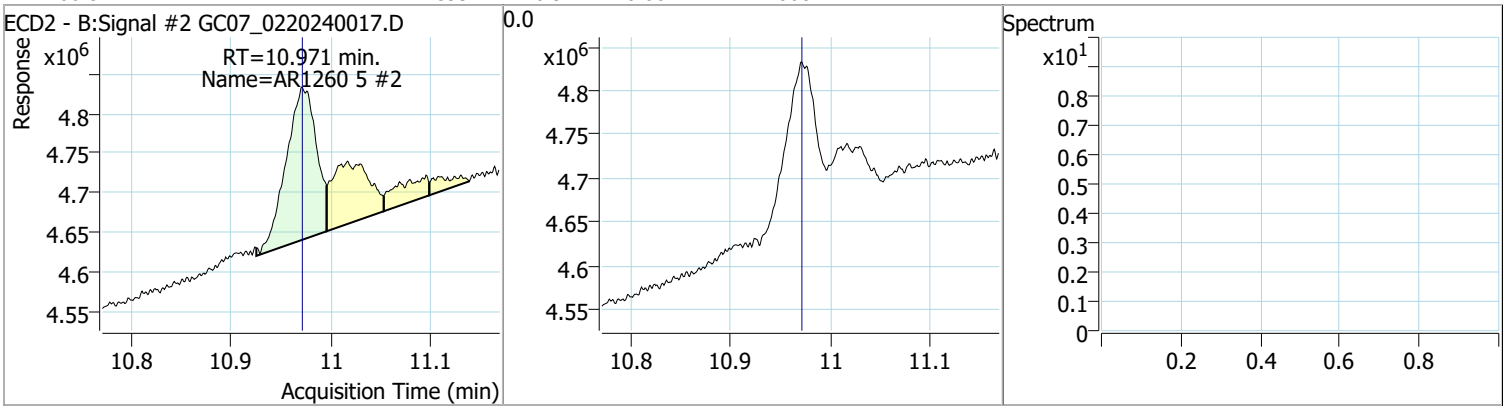

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 20.1713 | 9.99 | 0.00 | 1245080 | | | | |



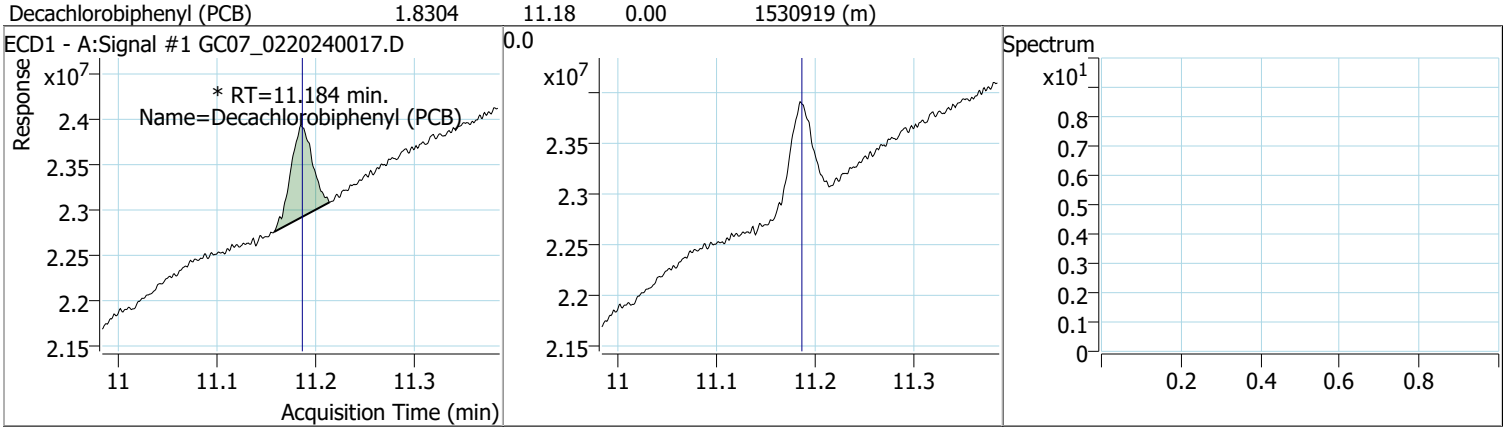
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 21.5081 | 10.31 | 0.00 | 246270 | | | | |



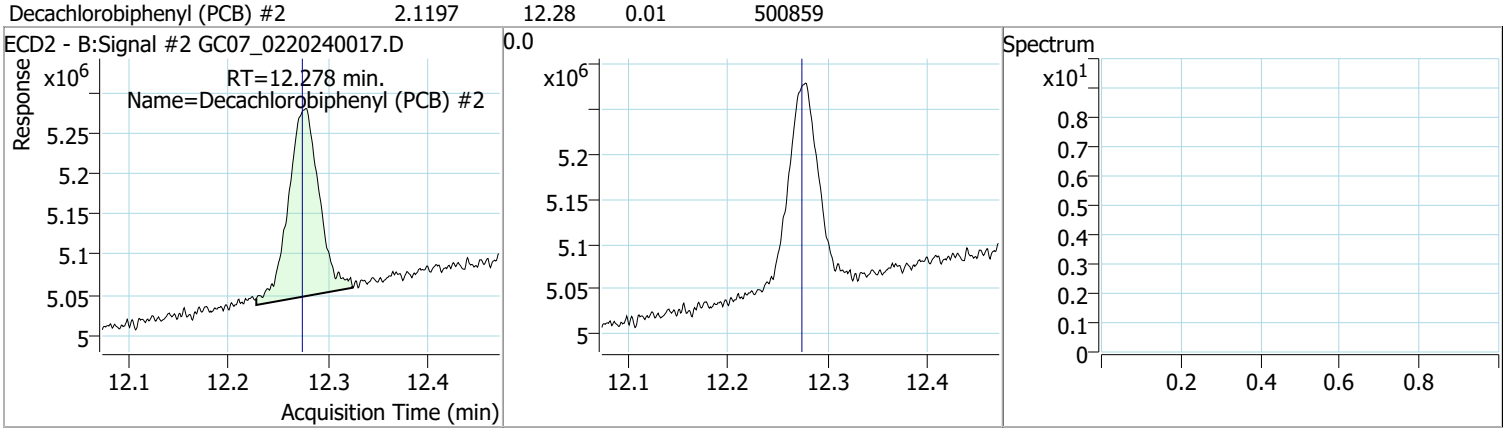

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 24.2599 | 10.97 | 0.00 | 410084 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 1.8304 | 11.18 | 0.00 | 1530919 (m) | | | | |

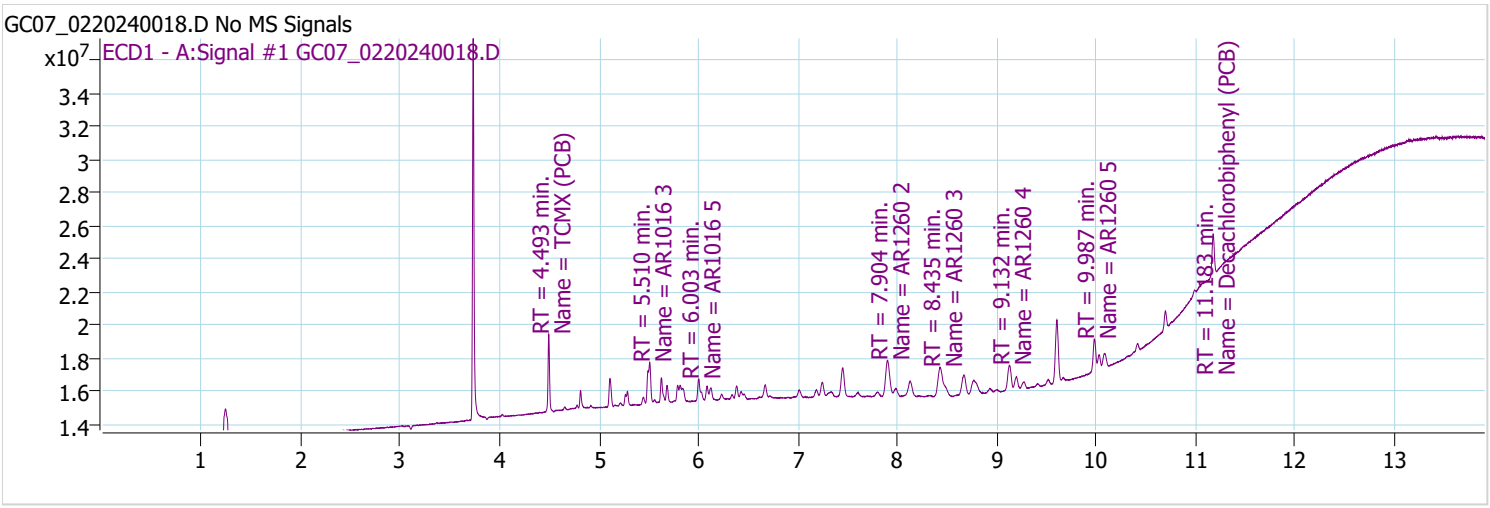


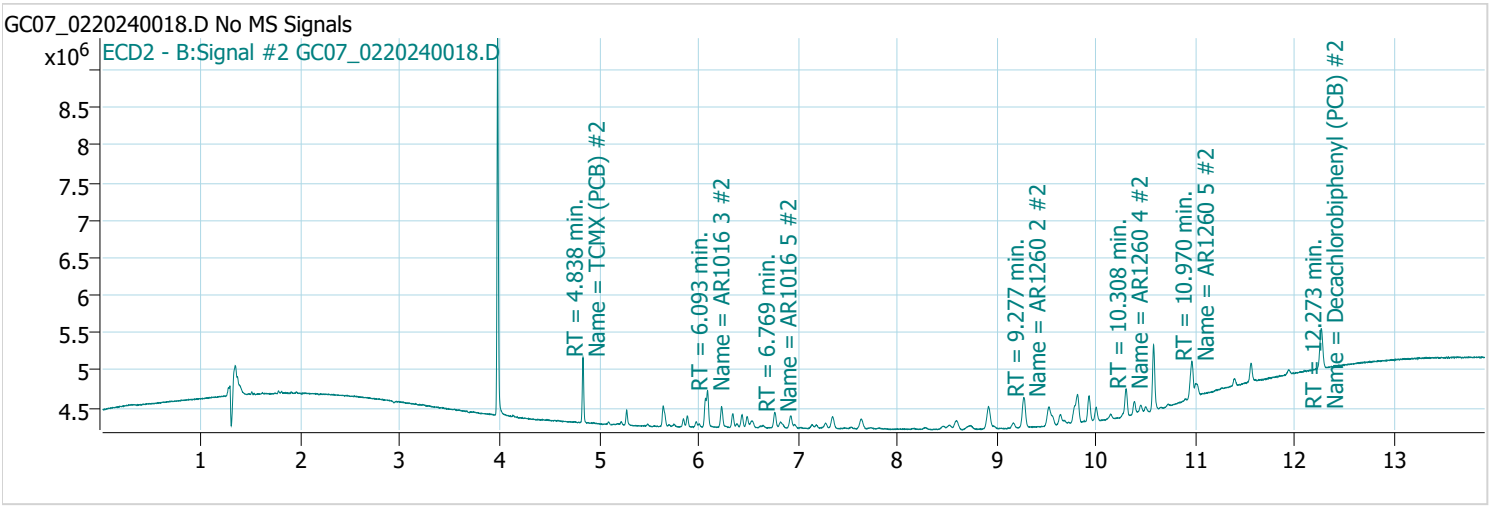

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 2.1197 | 12.28 | 0.01 | 500859 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240018.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 2:06:48 PM |
| Sample Name | ICAL, S19332 | Instrument | SVOA-GC07 |
| Vial | 132 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 50 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



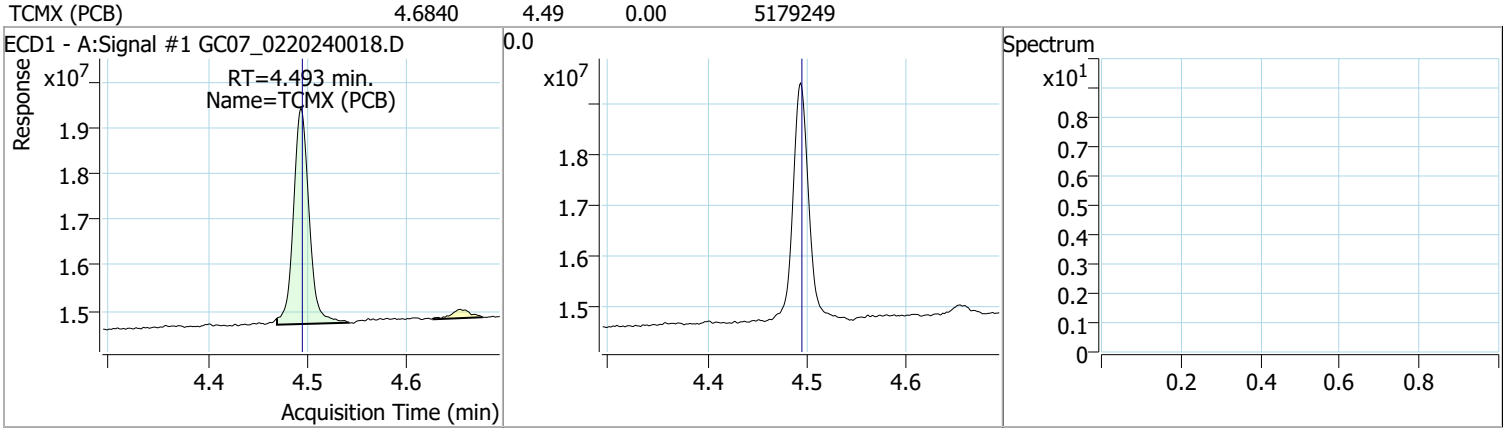




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.733 | 0.0 | 24323130.295 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.979 | 0.0 | 4889122.964 | 20.0000 | ng/ml | | 0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 5179249.341 | 4.6840 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 23.42% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 893049.206 | 4.1911 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 20.96% | | * | |
| S Decachlorobiphenyl (PCB) | 11.183 | 0.0 | 3899030.168 | 4.0117 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 20.06% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.273 | 0.0 | 1166389.018 | 4.1911 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 20.96% | | * | |
| **Target Compounds** | | | | | | | QValue |

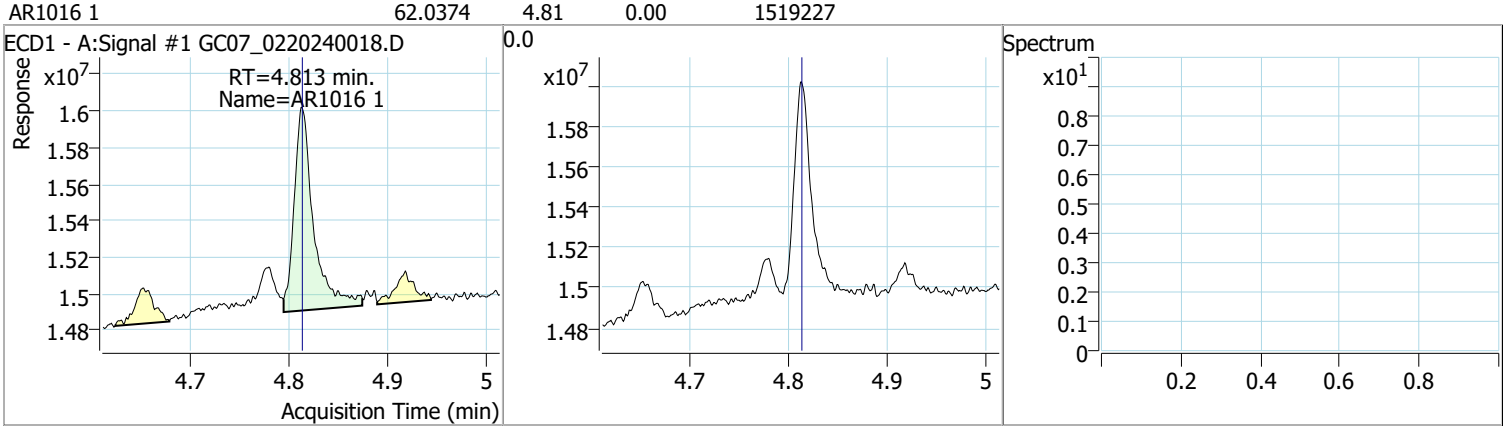
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.813 | 0.0 | 1519227.398 | 62.0374 | ng/ml | | 100 |
| T AR1016 2 | 5.110 | 0.0 | 2585873.625 | 59.9810 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 255957.635 | 56.0911 | ng/ml | | 100 |
| T AR1016 3 | 5.510 | 0.0 | 3522653.786 | 61.4089 | ng/ml | m | 100 |
| T AR1016 4 | 5.628 | 0.0 | 2274154.290 | 58.8203 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.646 | 0.0 | 517749.496 | 56.8731 | ng/ml | | 100 |
| T AR1016 5 | 6.003 | 0.0 | 2069668.992 | 60.4451 | ng/ml | m | 100 |
| T AR1016 3 #2 | 6.093 | 0.0 | 705532.546 | 56.3642 | ng/ml | | 100 |
| T AR1016 4 #2 | 6.234 | 0.0 | 454248.811 | 54.8757 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.769 | 0.0 | 365357.852 | 54.7064 | ng/ml | | 100 |
| T AR1260 1 | 7.455 | 0.0 | 4027895.529 | 58.6639 | ng/ml | | 100 |
| T AR1260 2 | 7.904 | 0.0 | 6467093.549 | 58.7451 | ng/ml | | 100 |
| T AR1260 3 | 8.435 | 0.0 | 7126872.614 | 57.1595 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.922 | 0.0 | 826057.246 | 53.0165 | ng/ml | | 100 |
| T AR1260 4 | 9.132 | 0.0 | 3870569.852 | 56.8902 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.277 | 0.0 | 915449.196 | 53.7261 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.935 | 0.0 | 613191.422 | 52.2828 | ng/ml | | 100 |
| T AR1260 5 | 9.987 | 0.0 | 3766726.150 | 52.5156 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 674796.514 | 50.0366 | ng/ml | | 100 |
| T AR1260 5 #2 | 10.970 | 0.0 | 1049777.369 | 52.7276 | ng/ml | | 100 |

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

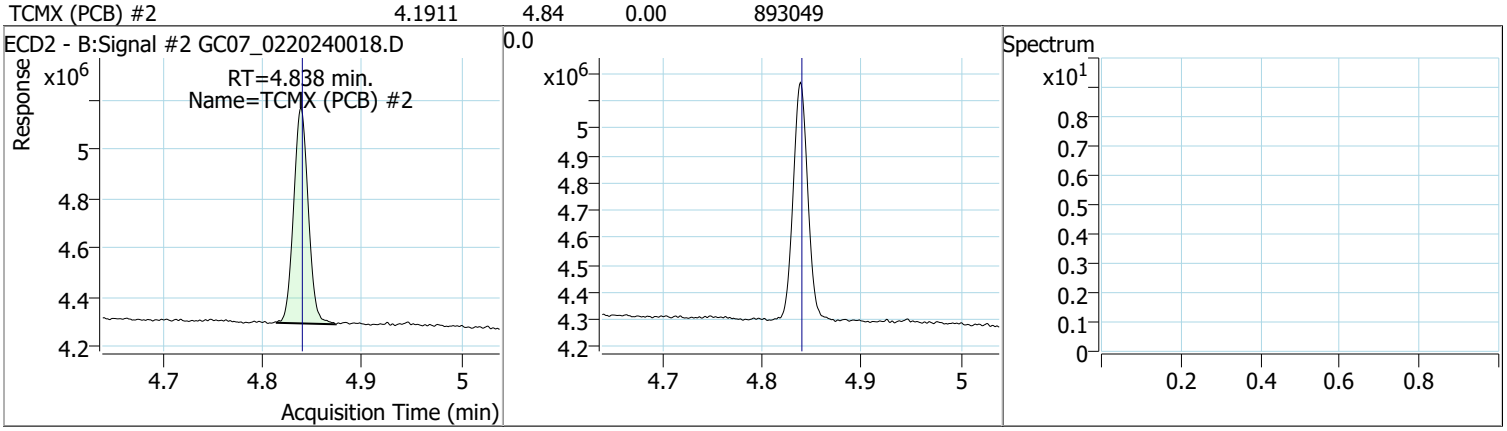
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 4.6840 | 4.49 | 0.00 | 5179249 | | | | |



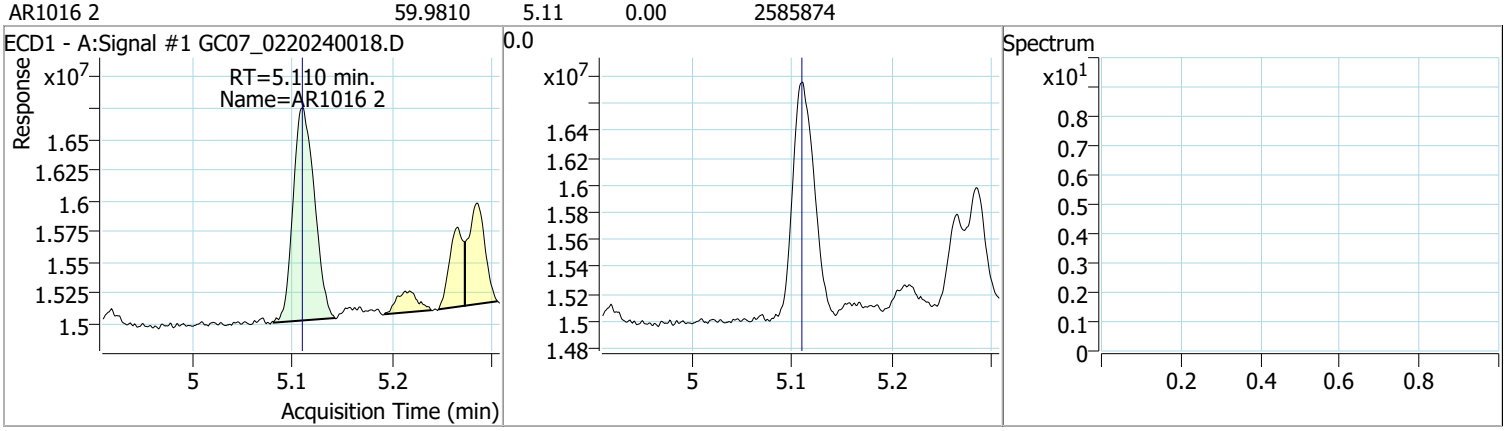

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 62.0374 | 4.81 | 0.00 | 1519227 | | | | |



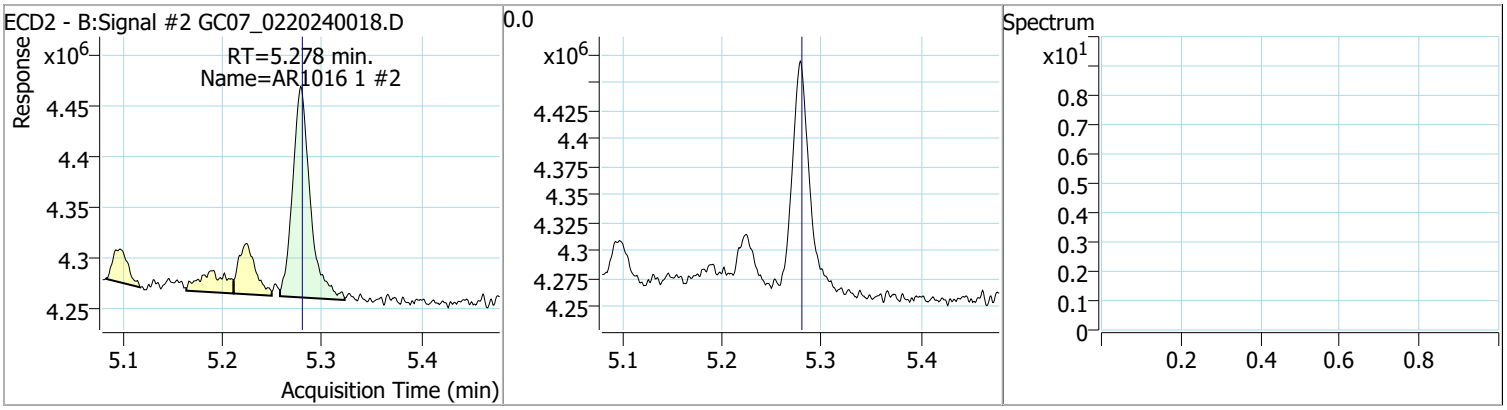

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 4.1911 | 4.84 | 0.00 | 893049 | | | | |



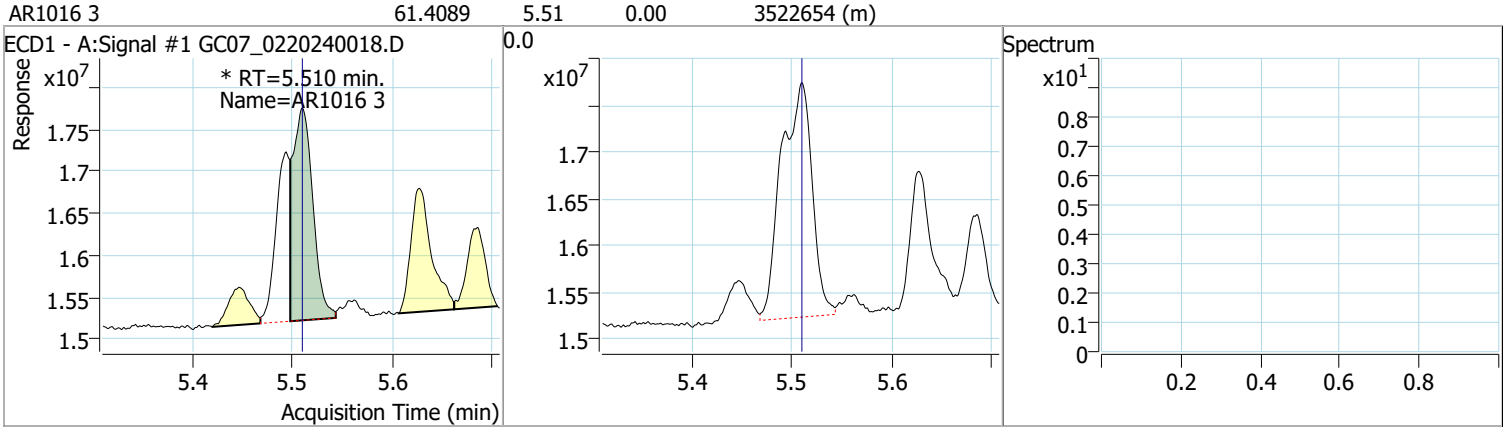

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 59.9810 | 5.11 | 0.00 | 2585874 | | | | |



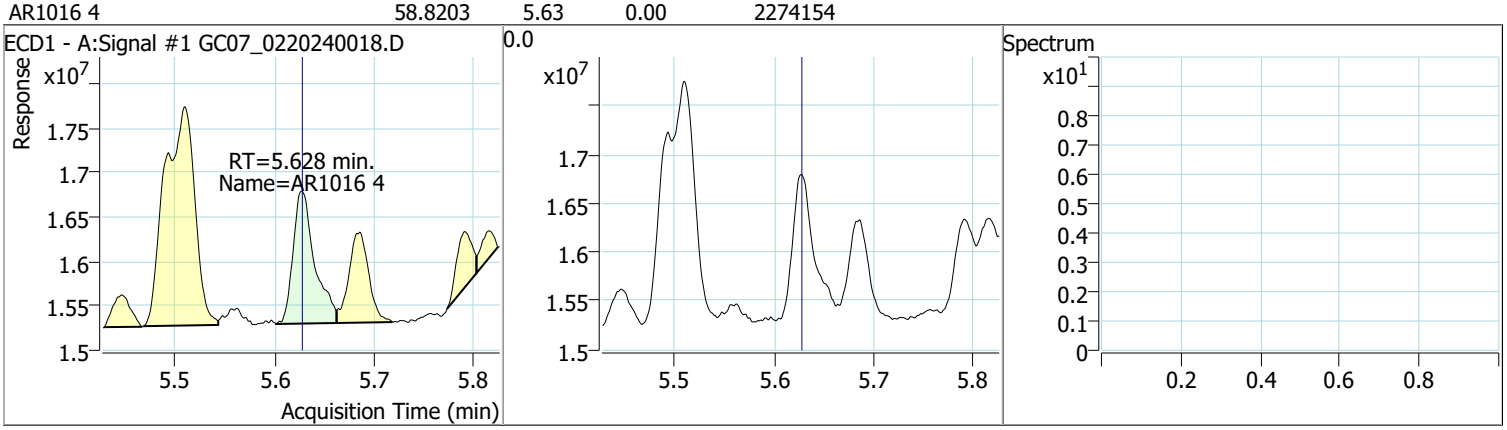
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 56.0911 | 5.28 | 0.00 | 255958 | | | | |



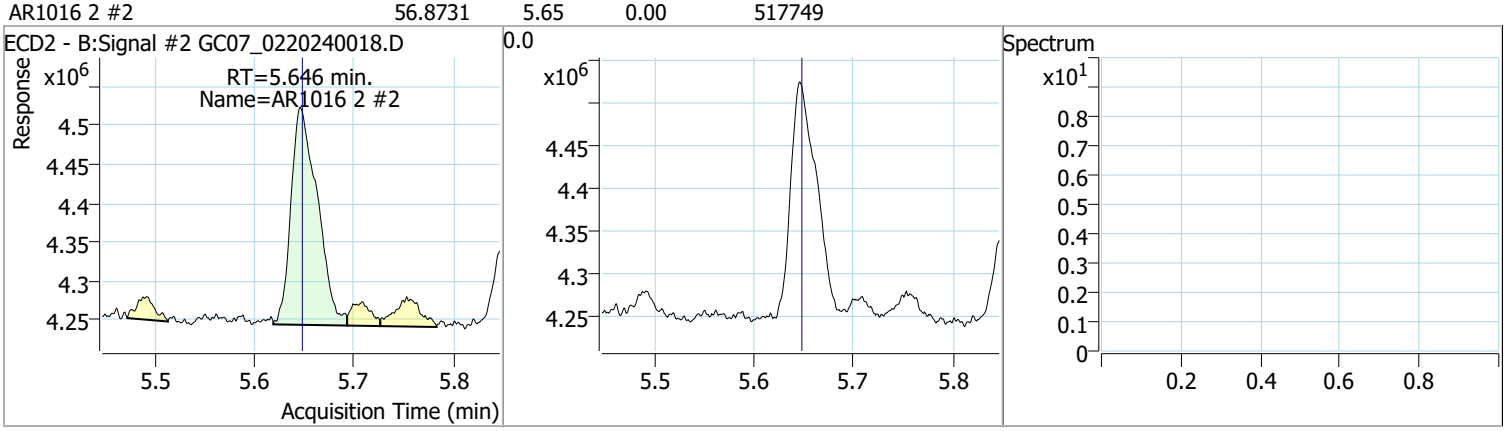

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 61.4089 | 5.51 | 0.00 | 3522654 (m) | | | | |



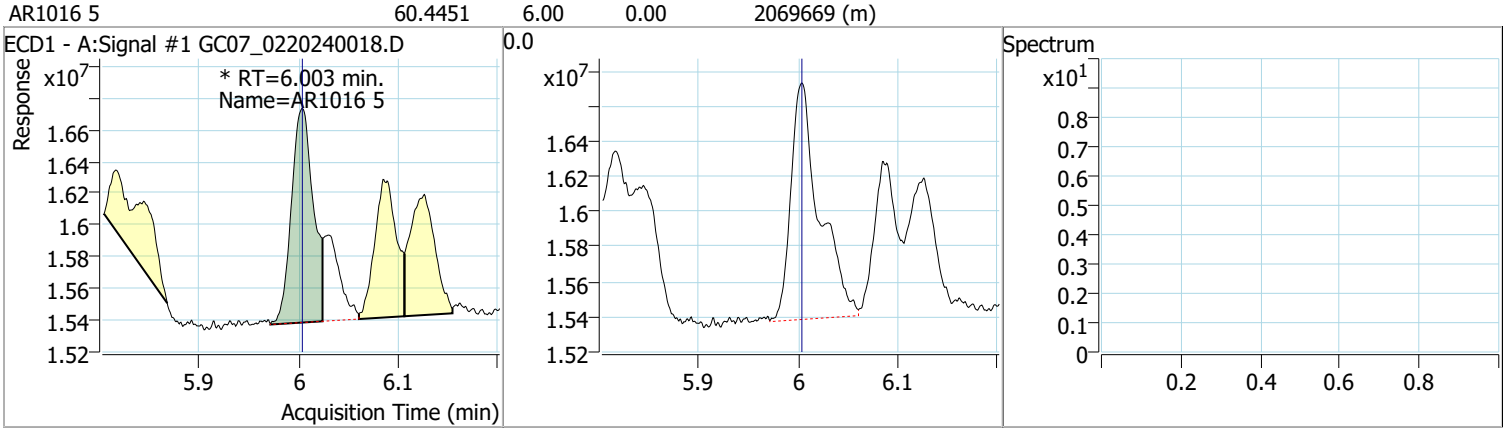

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 58.8203 | 5.63 | 0.00 | 2274154 | | | | |



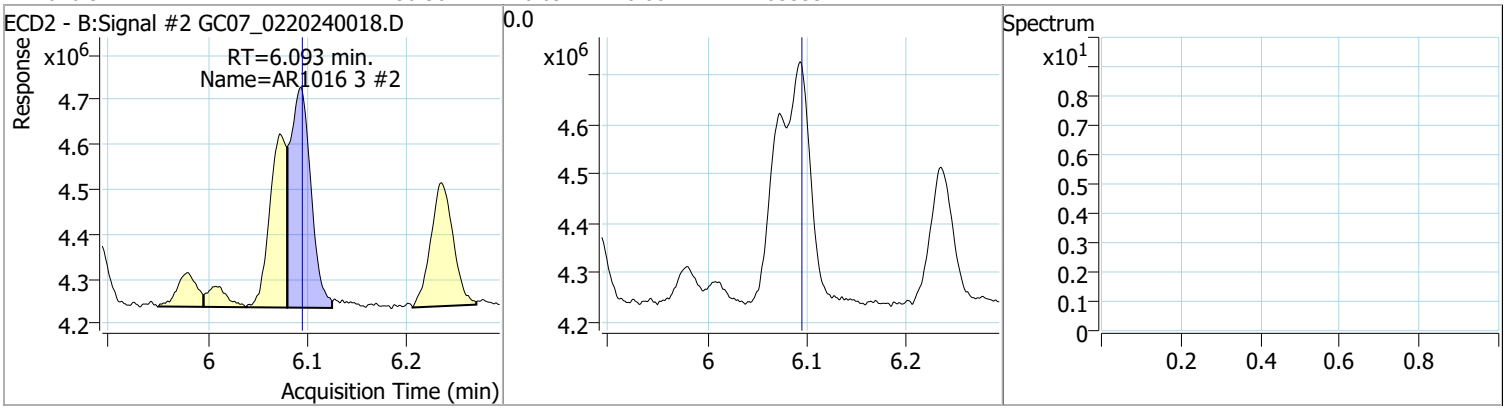

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 56.8731 | 5.65 | 0.00 | 517749 | | | | |



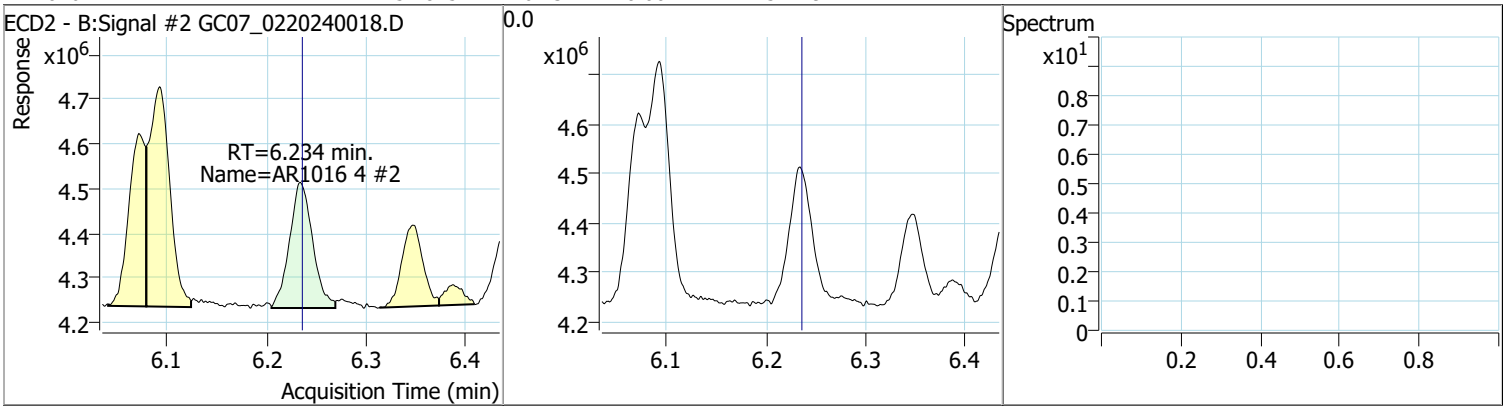
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 60.4451 | 6.00 | 0.00 | 2069669 (m) | | | | |



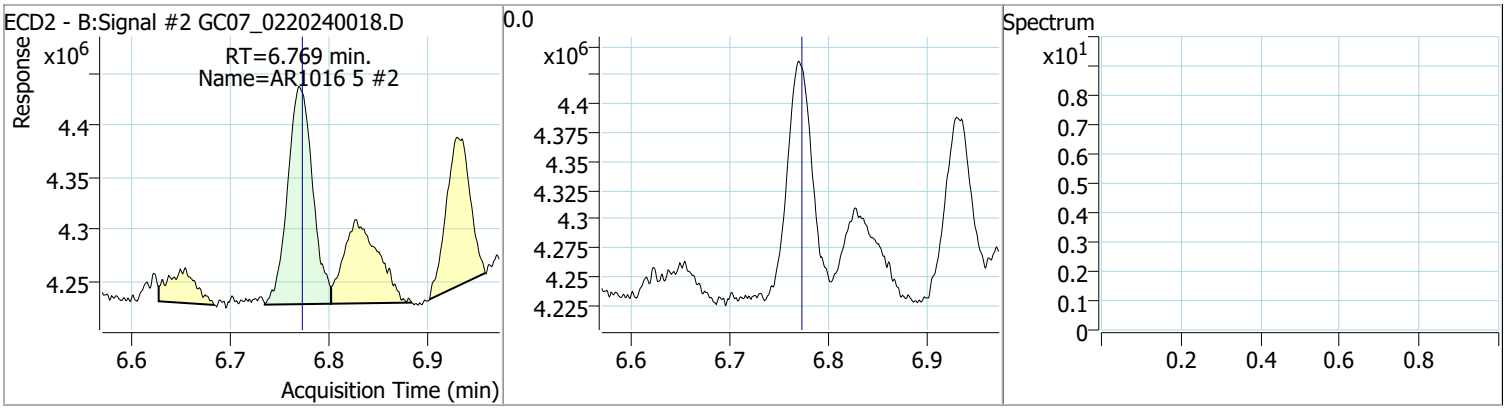

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 56.3642 | 6.09 | 0.00 | 705533 | | | | |



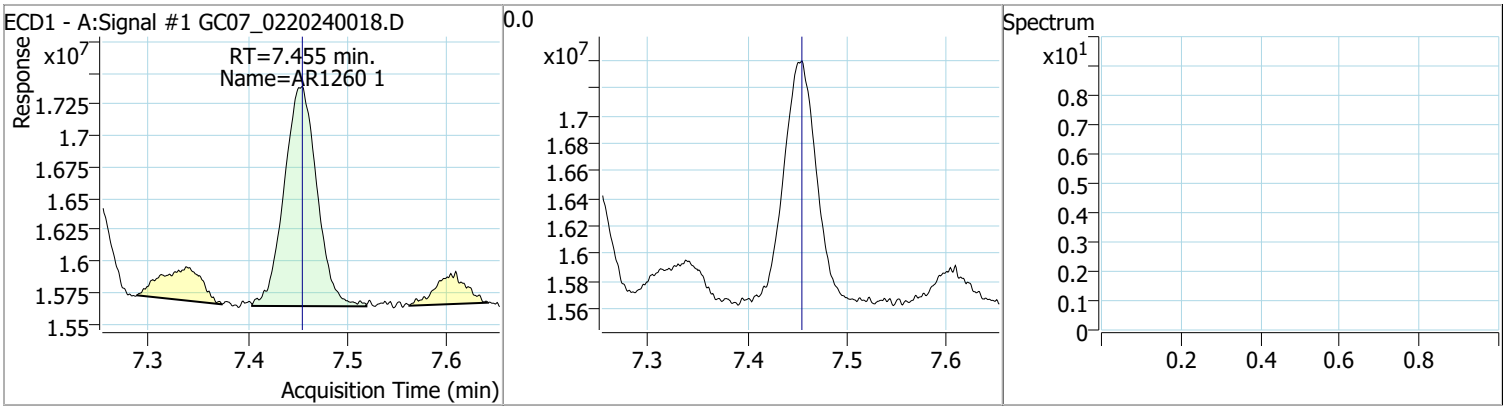

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 54.8757 | 6.23 | 0.00 | 454249 | | | | |



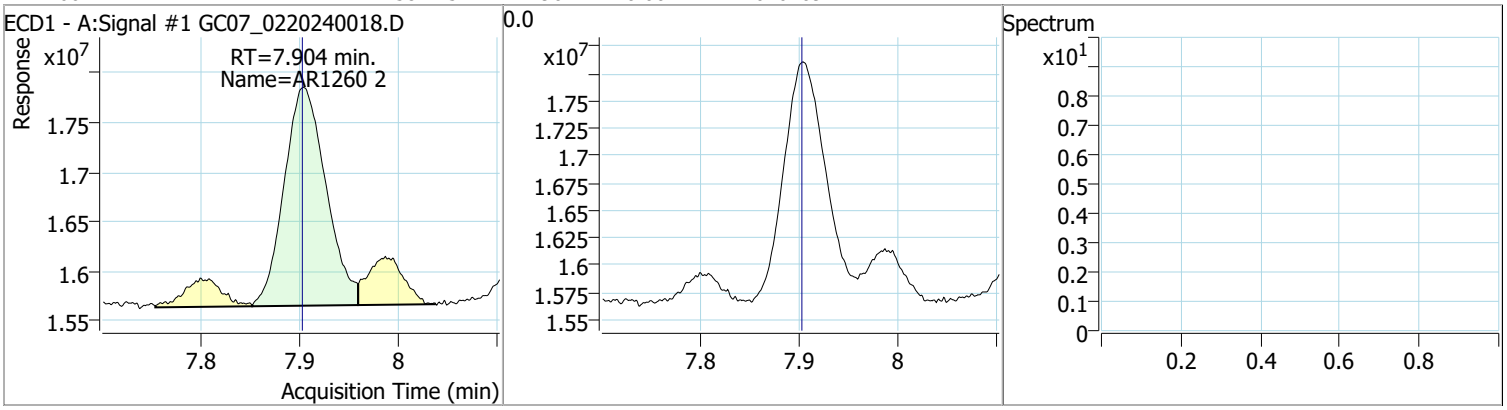

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 54.7064 | 6.77 | 0.00 | 365358 | | | | |



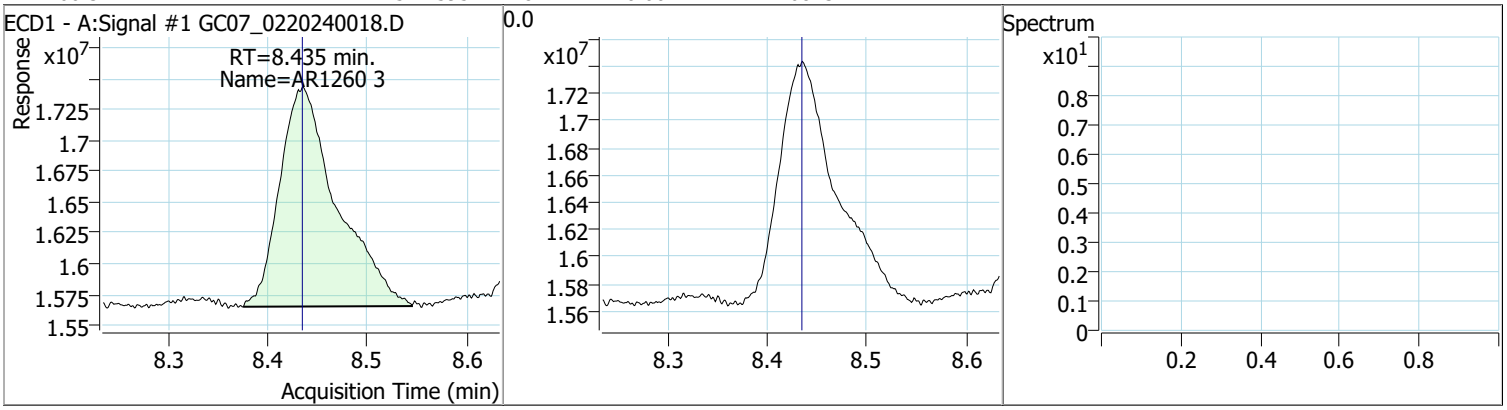
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 58.6639 | 7.46 | 0.00 | 4027896 | | | | |



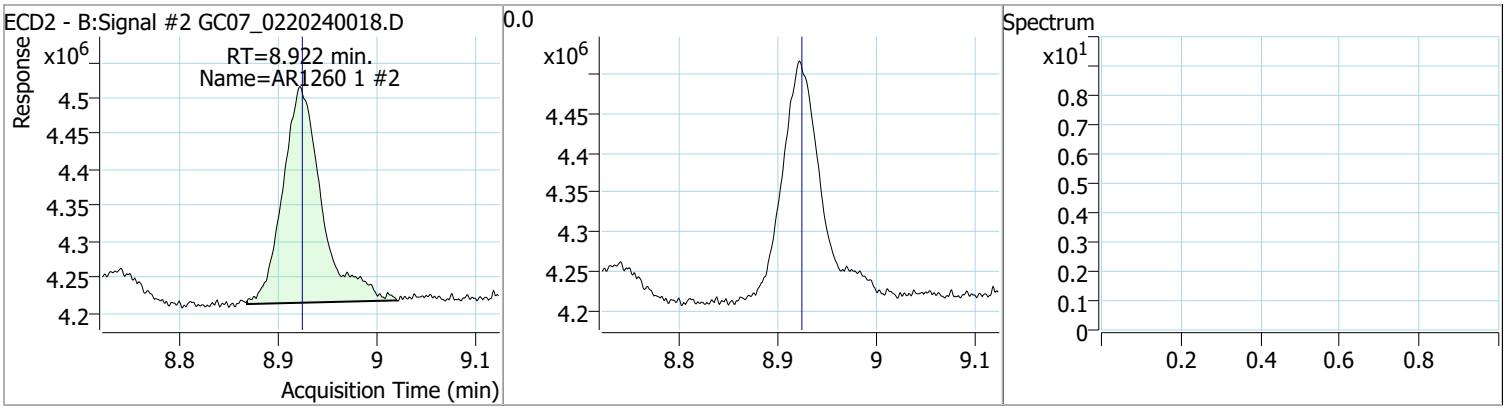

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 58.7451 | 7.90 | 0.00 | 6467094 | | | | |



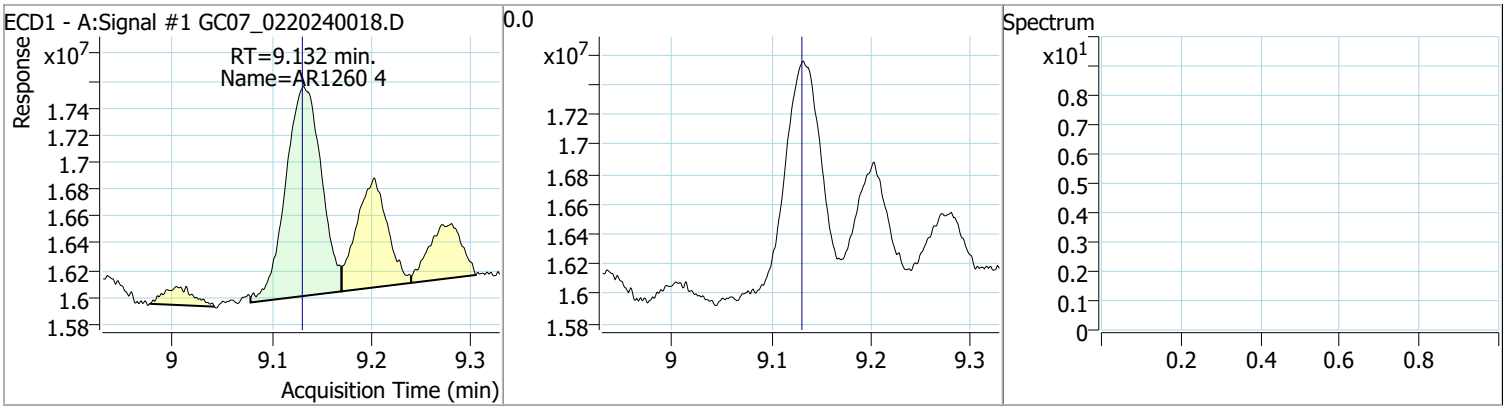

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 57.1595 | 8.44 | 0.00 | 7126873 | | | | |



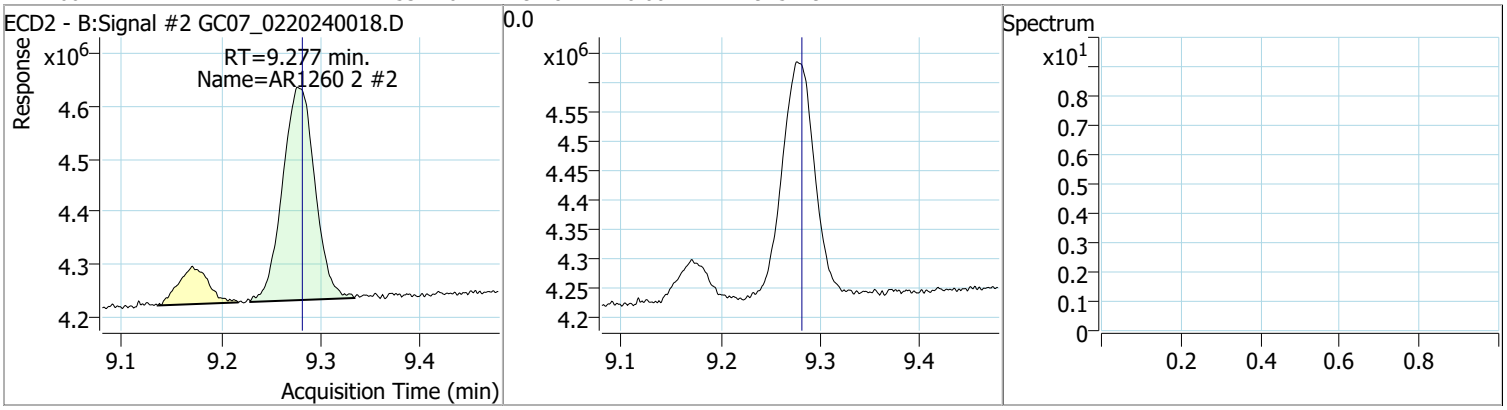

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 53.0165 | 8.92 | 0.00 | 826057 | | | | |



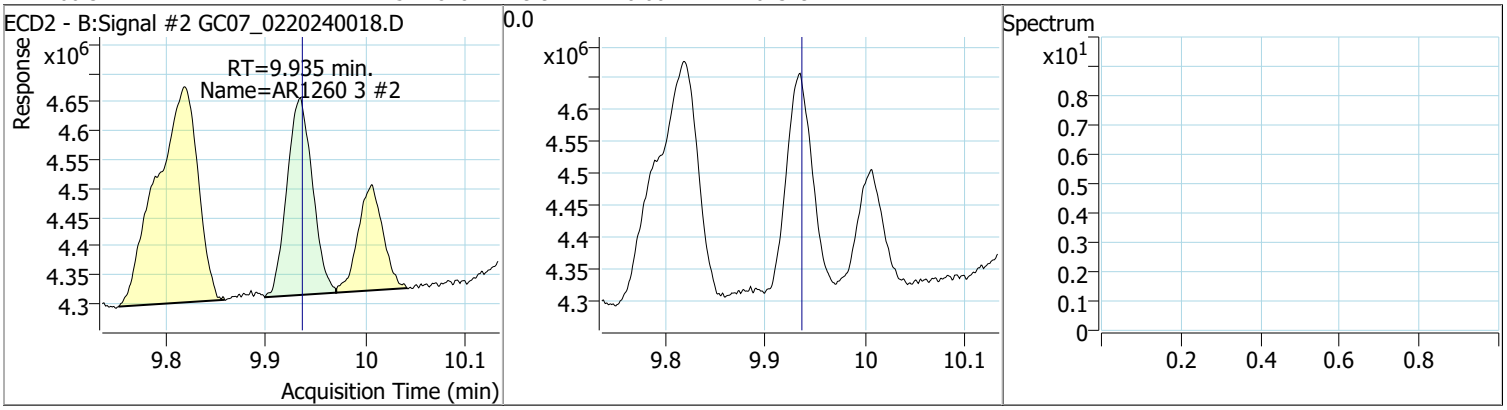
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 56.8902 | 9.13 | 0.00 | 3870570 | | | | |



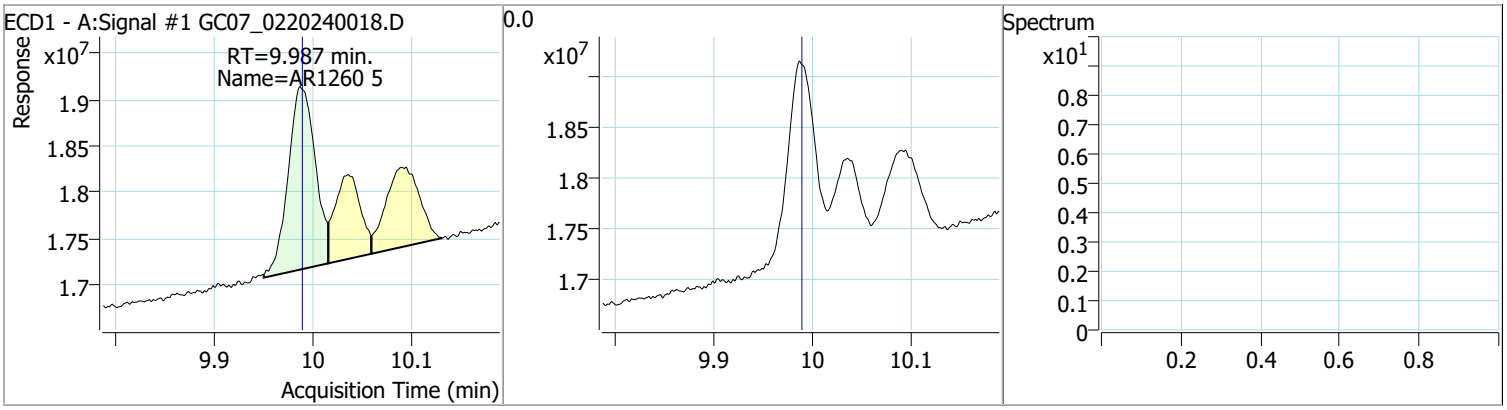

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 53.7261 | 9.28 | 0.00 | 915449 | | | | |



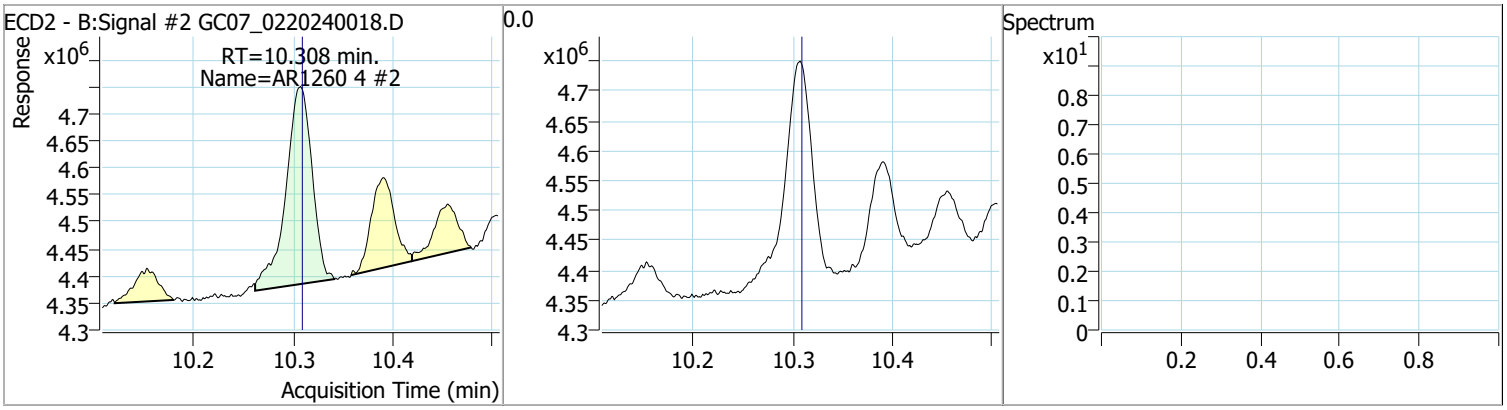

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 52.2828 | 9.94 | 0.00 | 613191 | | | | |



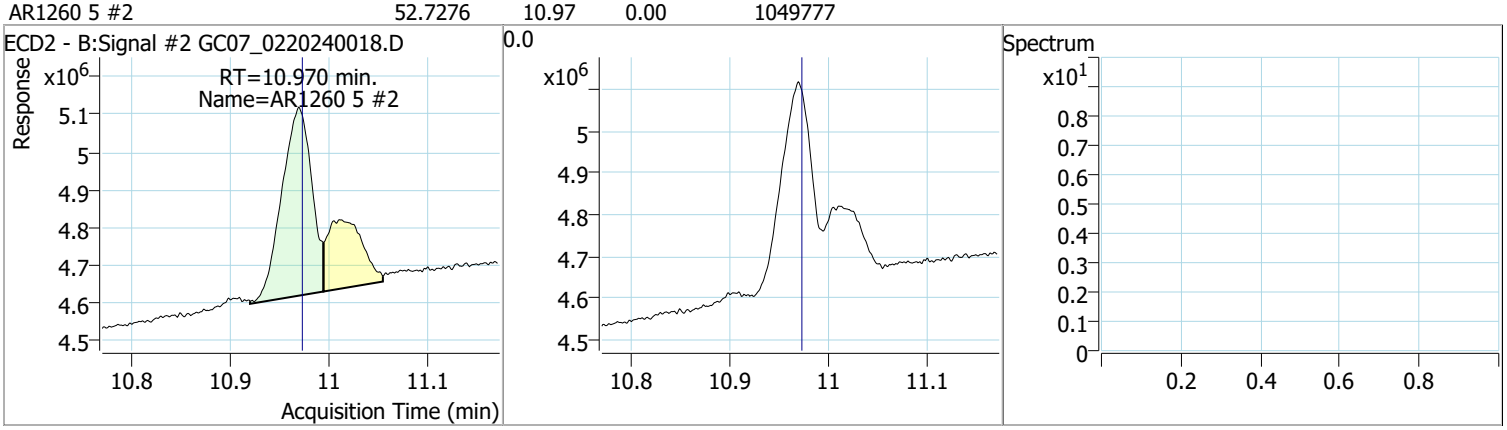

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 52.5156 | 9.99 | 0.00 | 3766726 | | | | |



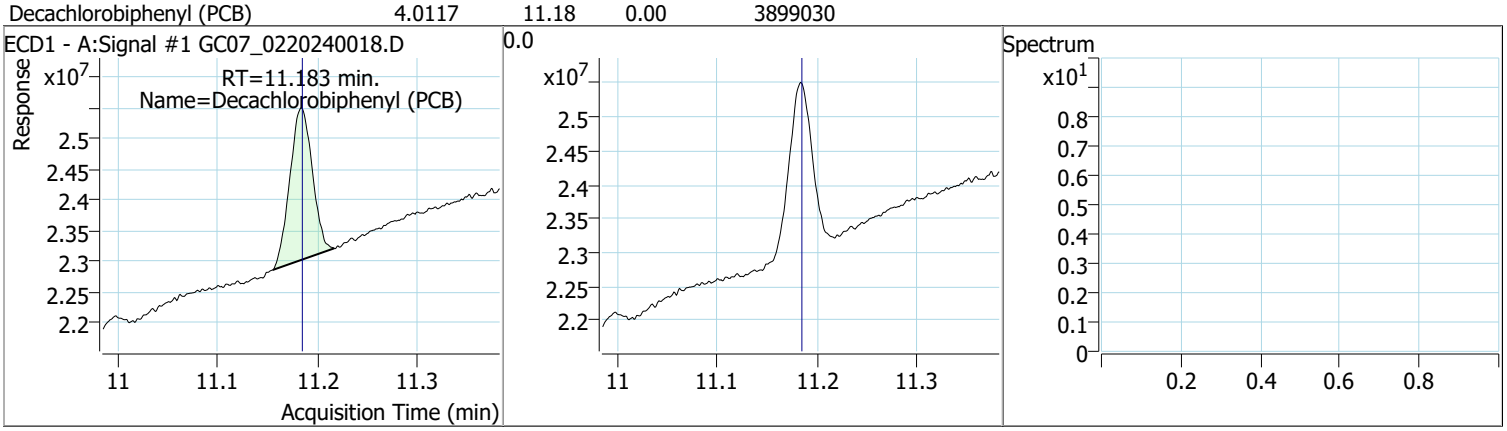
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 50.0366 | 10.31 | 0.00 | 674797 | | | | |



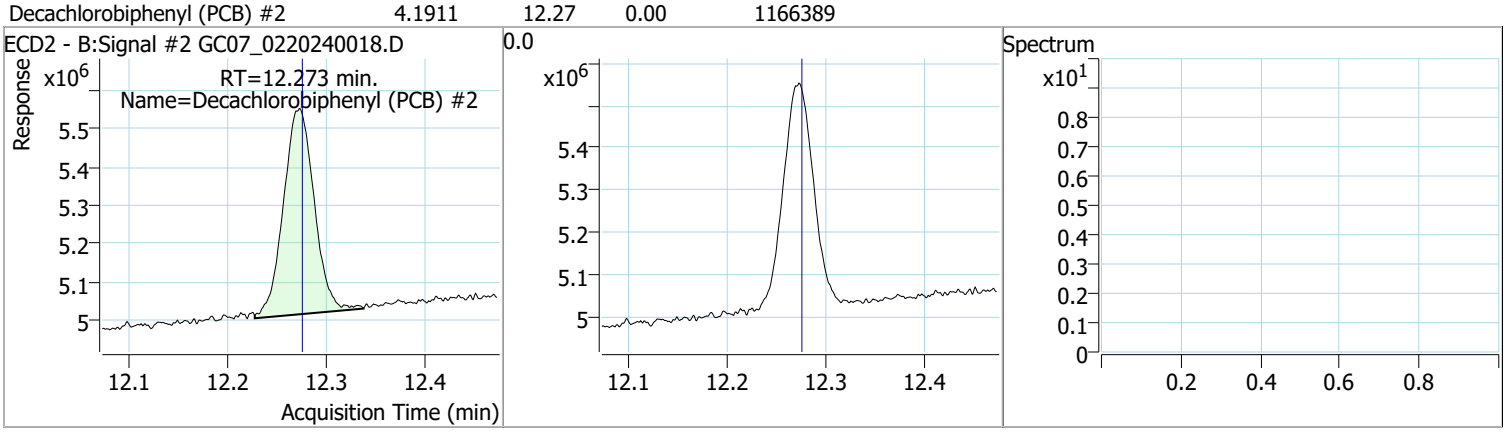

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 52.7276 | 10.97 | 0.00 | 1049777 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 4.0117 | 11.18 | 0.00 | 3899030 | | | | |

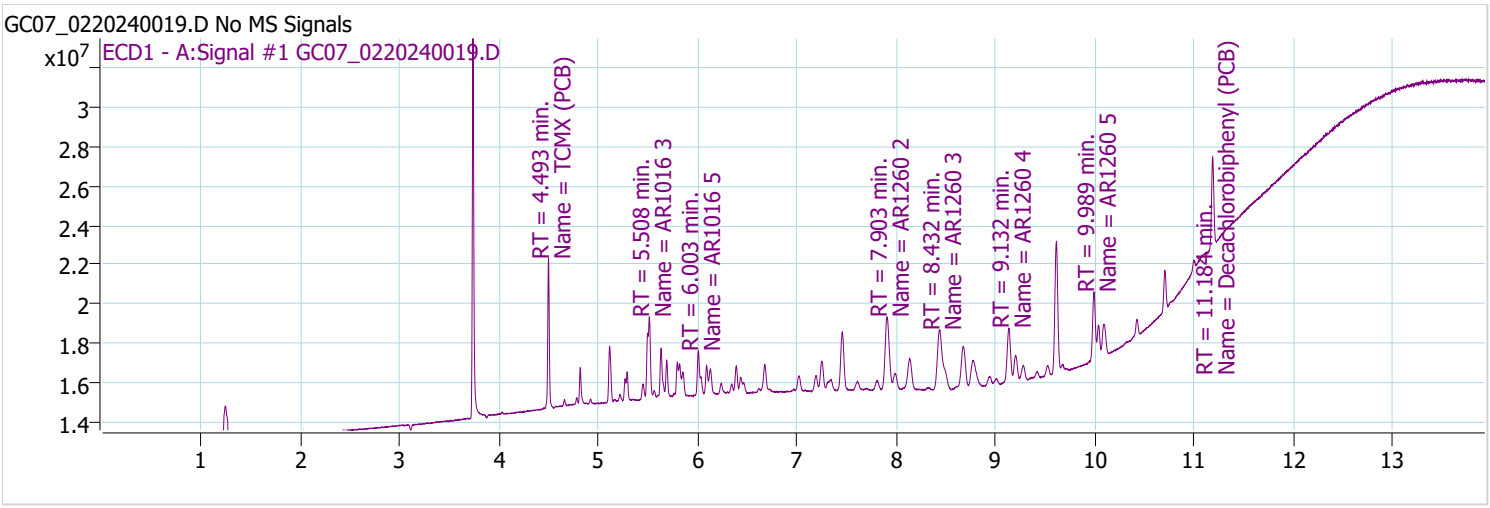


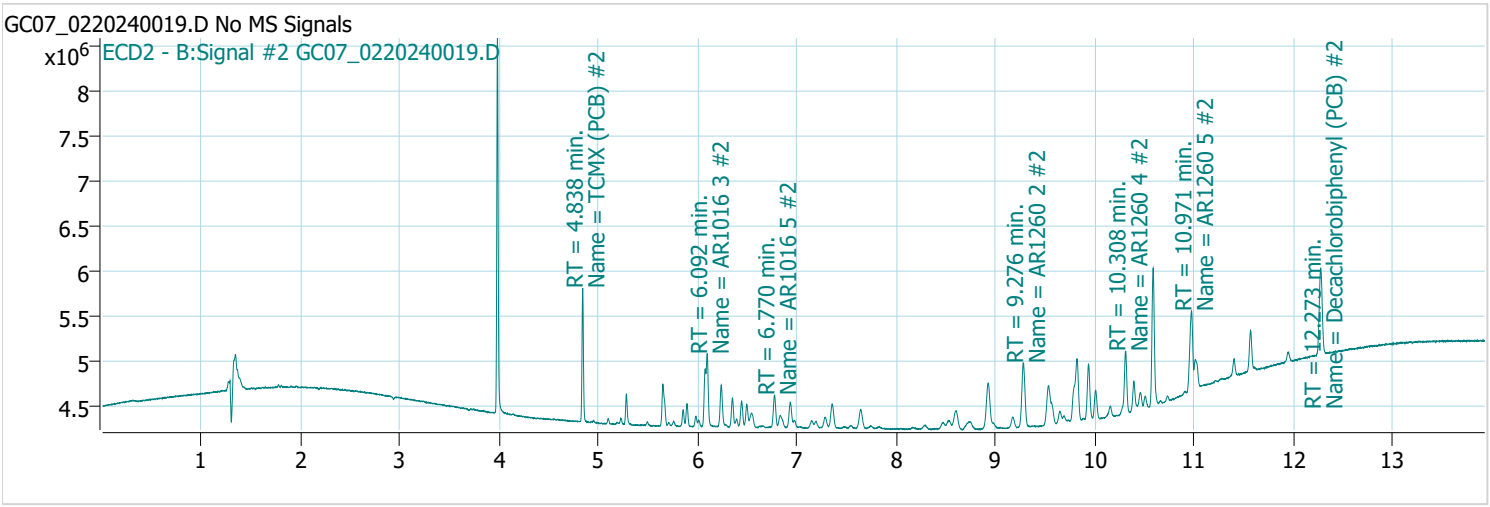

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 4.1911 | 12.27 | 0.00 | 1166389 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240019.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 2:24:13 PM |
| Sample Name | ICAL, S19333 | Instrument | SVOA-GC07 |
| Vial | 133 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 100 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



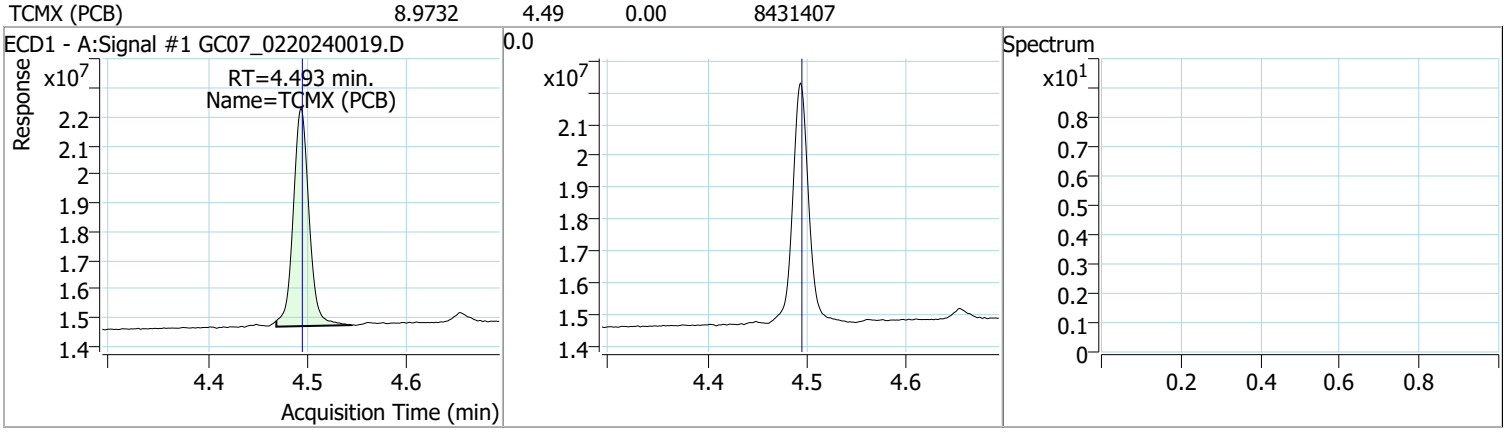




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.732 | 0.0 | 20669000.130 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.978 | 0.0 | 4122713.961 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 8431407.275 | 8.9732 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 44.87% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 1532209.956 | 8.5274 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 42.64% | | * | |
| S Decachlorobiphenyl (PCB) | 11.184 | 0.0 | 7145314.288 | 8.6516 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 43.26% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.273 | 0.0 | 2090928.803 | 8.9098 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 44.55% | | * | |
| **Target Compounds** | | | | | | | QValue |

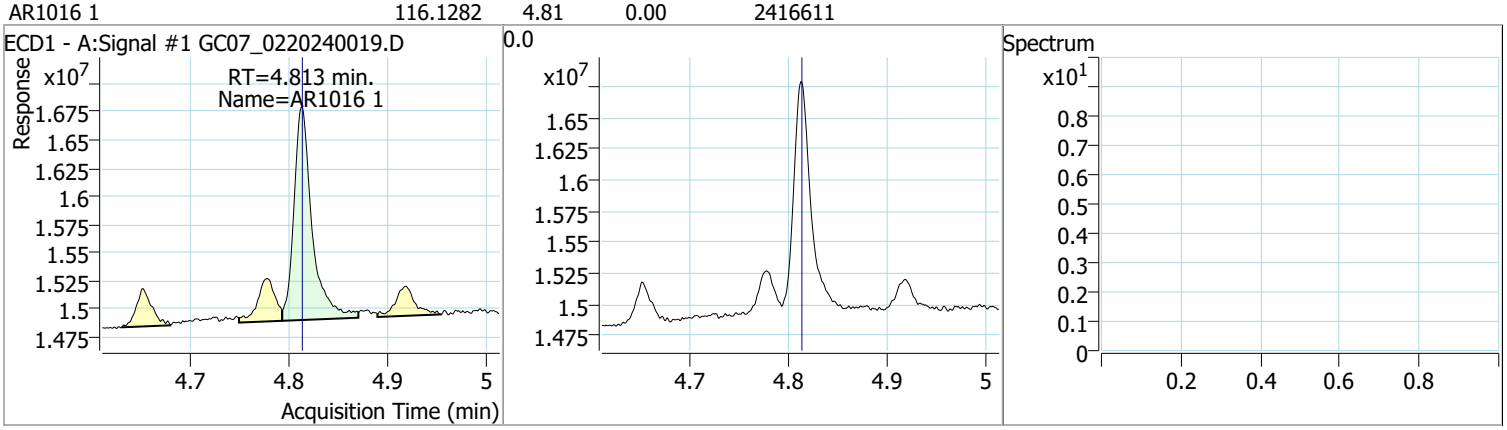
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.813 | 0.0 | 2416610.823 | 116.1282 | ng/ml | | 100 |
| T AR1016 2 | 5.109 | 0.0 | 4243200.573 | 115.8244 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 415986.116 | 108.1066 | ng/ml | | 100 |
| T AR1016 3 | 5.508 | 0.0 | 5901213.325 | 121.0605 | ng/ml | m | 100 |
| T AR1016 4 | 5.627 | 0.0 | 3874266.299 | 117.9226 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.646 | 0.0 | 840660.826 | 109.5105 | ng/ml | | 100 |
| T AR1016 5 | 6.003 | 0.0 | 3393661.368 | 116.6349 | ng/ml | m | 100 |
| T AR1016 3 #2 | 6.092 | 0.0 | 1157567.900 | 109.6682 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 763992.455 | 109.4519 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.770 | 0.0 | 617315.401 | 109.6162 | ng/ml | | 100 |
| T AR1260 1 | 7.453 | 0.0 | 6823654.026 | 116.9526 | ng/ml | | 100 |
| T AR1260 2 | 7.903 | 0.0 | 10960759.495 | 117.1665 | ng/ml | | 100 |
| T AR1260 3 | 8.432 | 0.0 | 12181608.329 | 114.9726 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.923 | 0.0 | 1450991.252 | 110.4366 | ng/ml | | 100 |
| T AR1260 4 | 9.132 | 0.0 | 6706049.958 | 115.9922 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.276 | 0.0 | 1644253.134 | 114.4372 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.934 | 0.0 | 1132543.978 | 114.5159 | ng/ml | | 100 |
| T AR1260 5 | 9.989 | 0.0 | 6707356.439 | 110.0464 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 1249239.300 | 109.8521 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.971 | 0.0 | 1914579.902 | 114.0412 | ng/ml | | 100 |

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

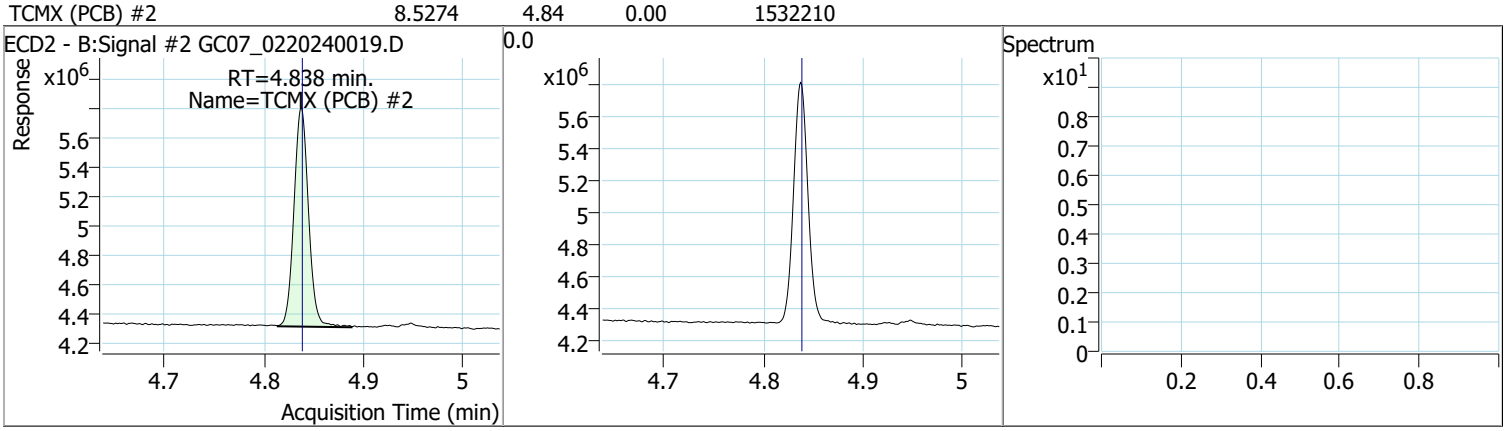
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 8.9732 | 4.49 | 0.00 | 8431407 | | | | |



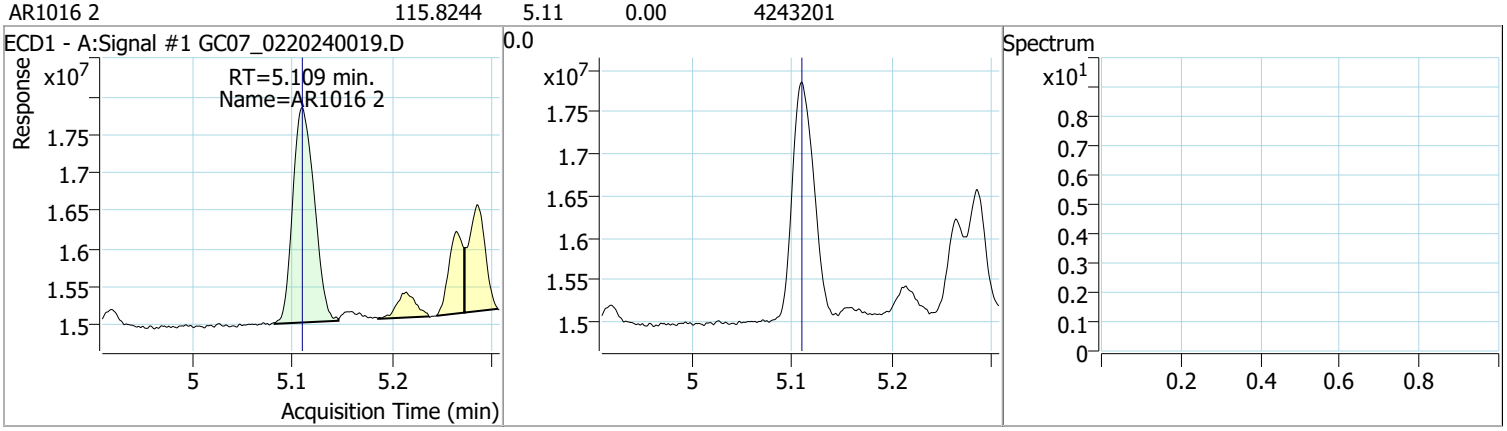

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 116.1282 | 4.81 | 0.00 | 2416611 | | | | |



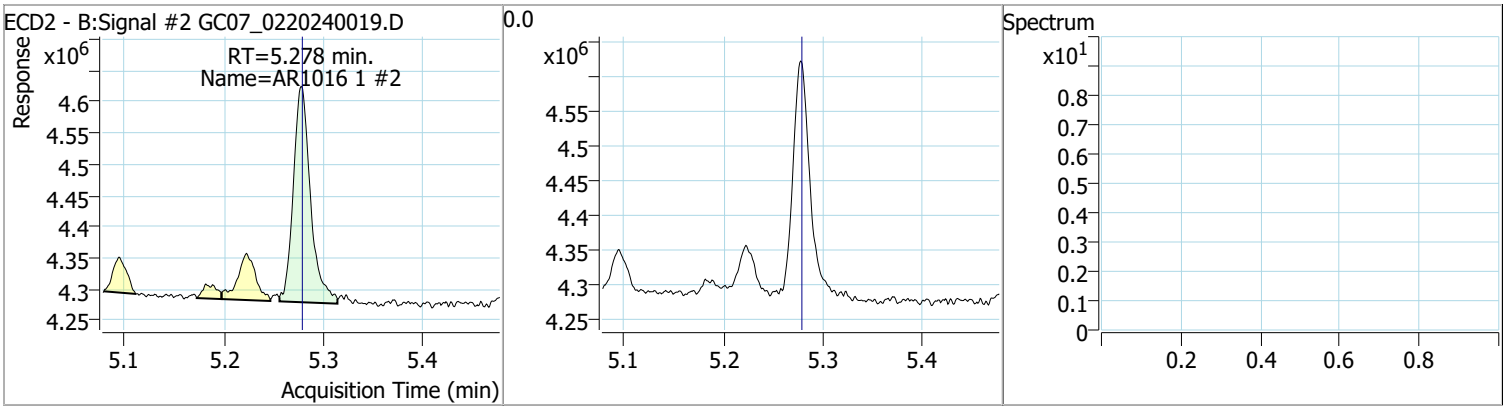

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 8.5274 | 4.84 | 0.00 | 1532210 | | | | |



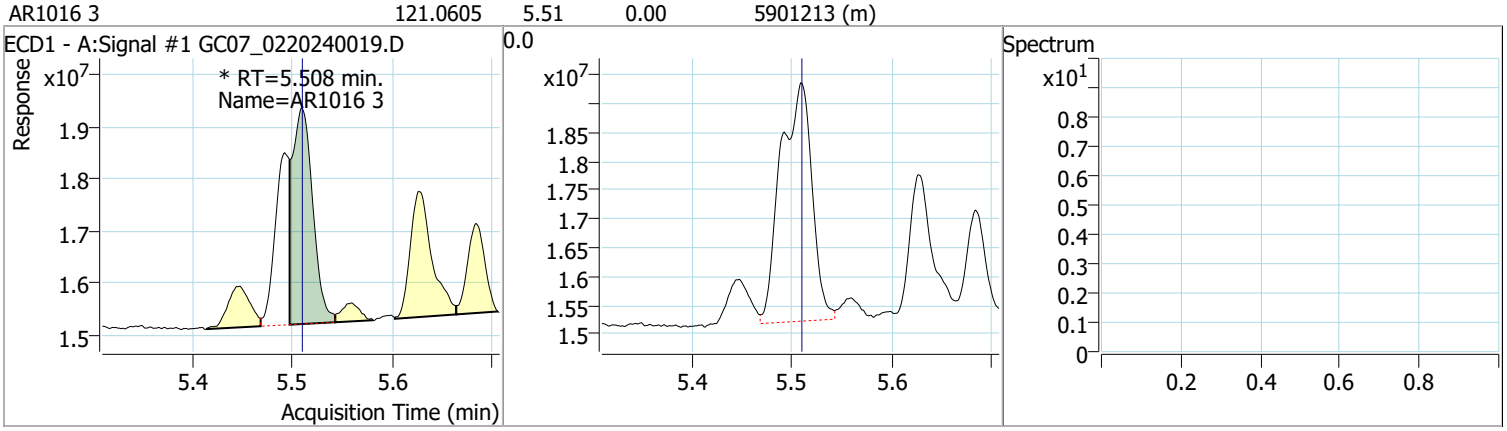

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 115.8244 | 5.11 | 0.00 | 4243201 | | | | |



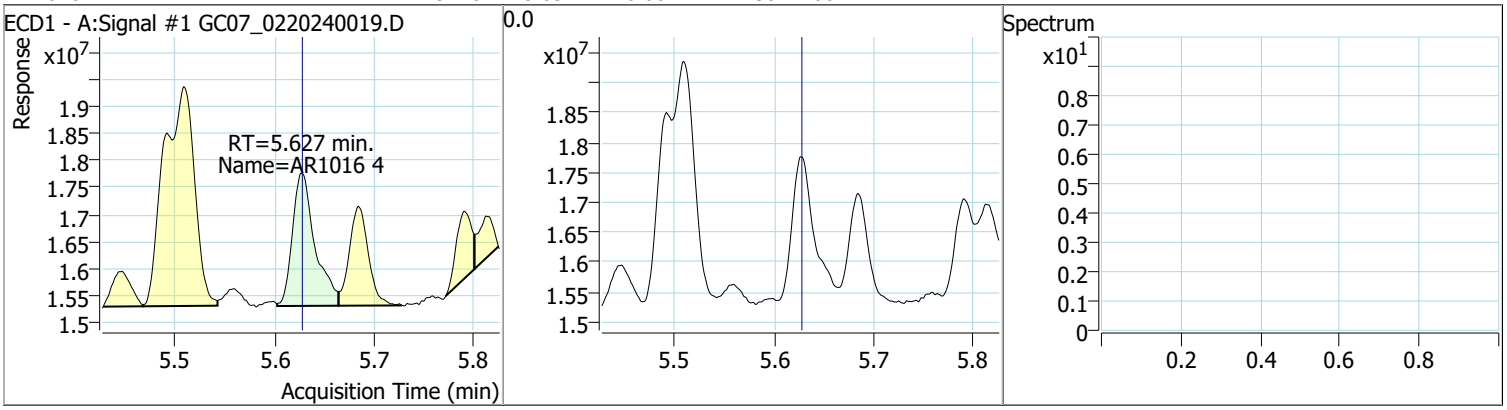
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 108.1066 | 5.28 | 0.00 | 415986 | | | | |



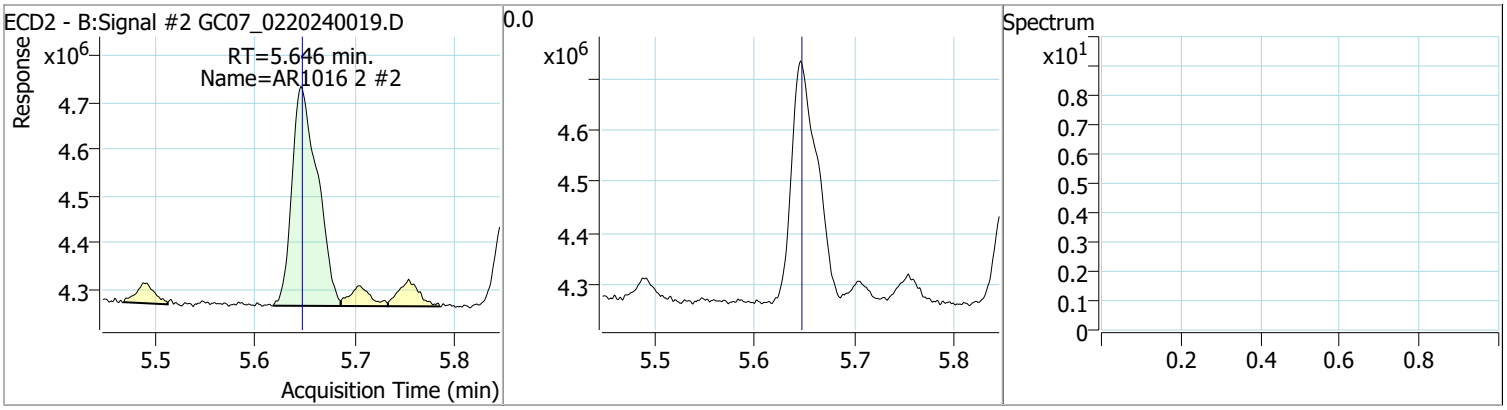

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 121.0605 | 5.51 | 0.00 | 5901213 (m) | | | | |



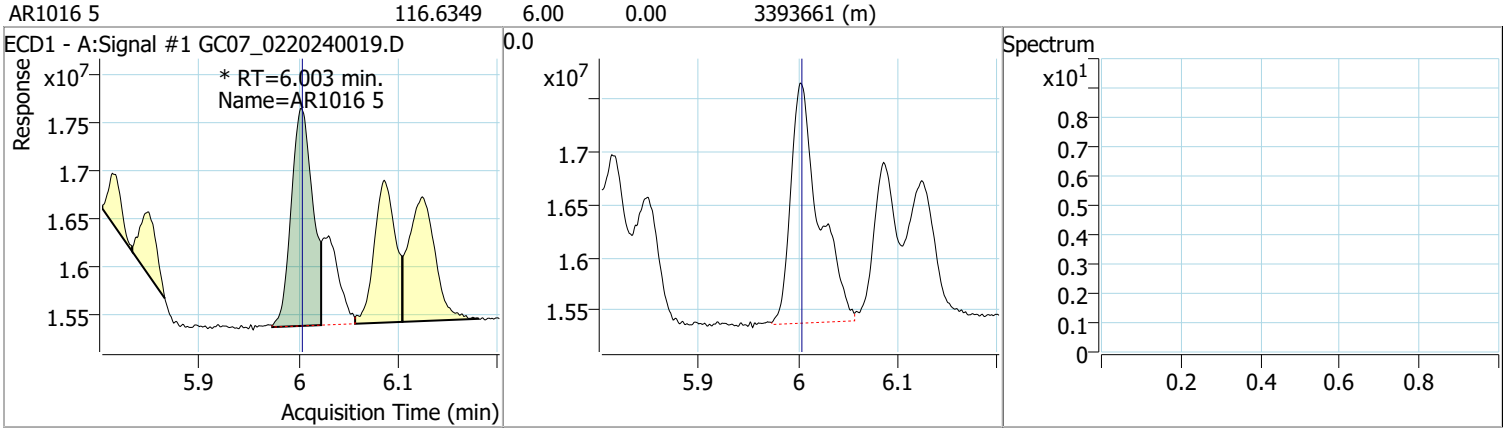

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 117.9226 | 5.63 | 0.00 | 3874266 | | | | |



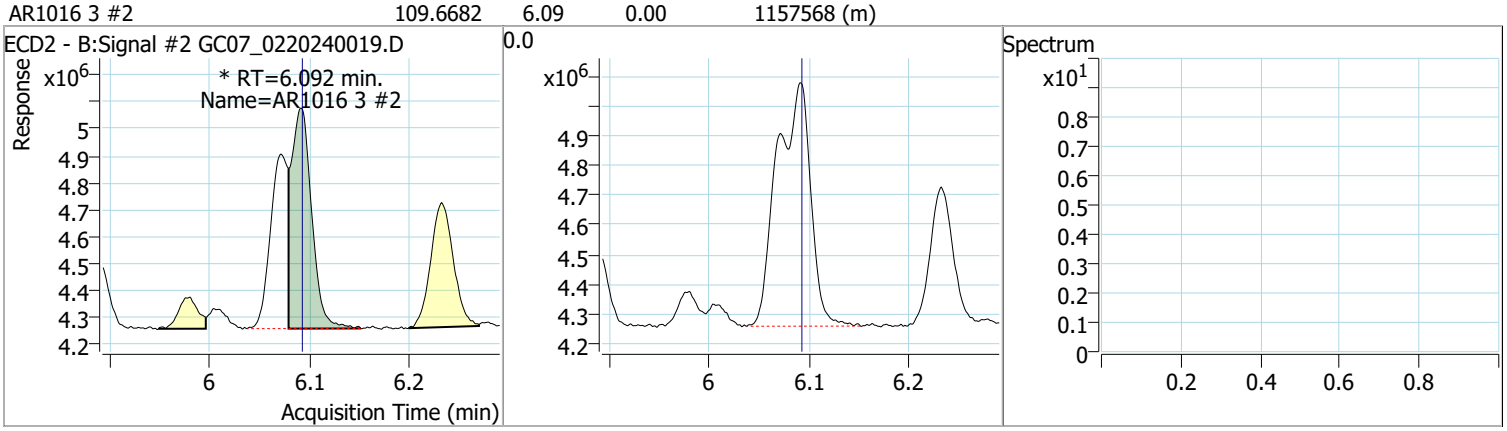

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 109.5105 | 5.65 | 0.00 | 840661 | | | | |



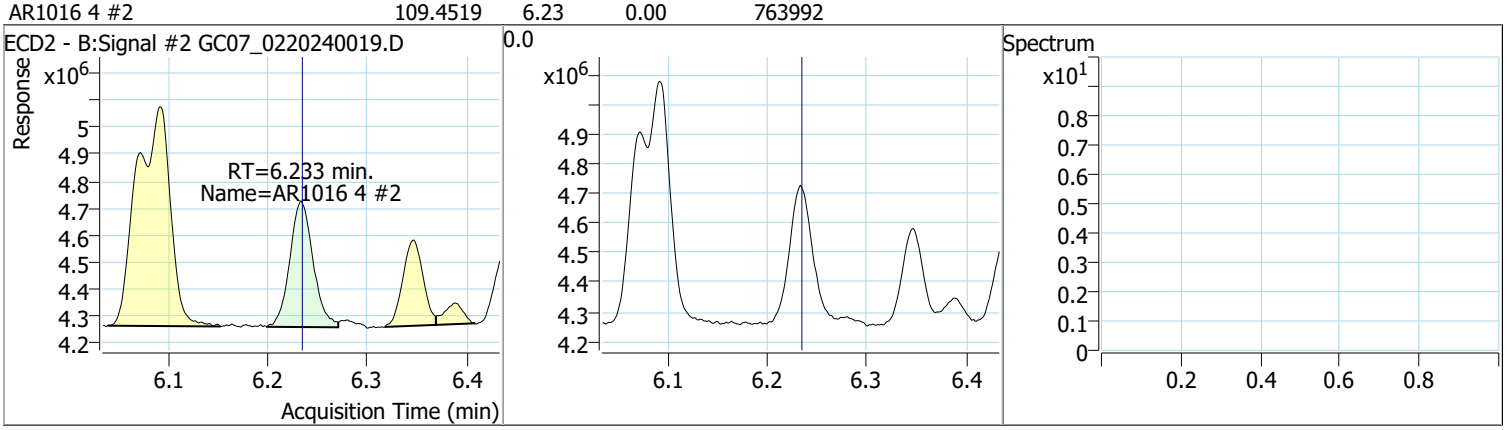
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 116.6349 | 6.00 | 0.00 | 3393661 (m) | | | | |



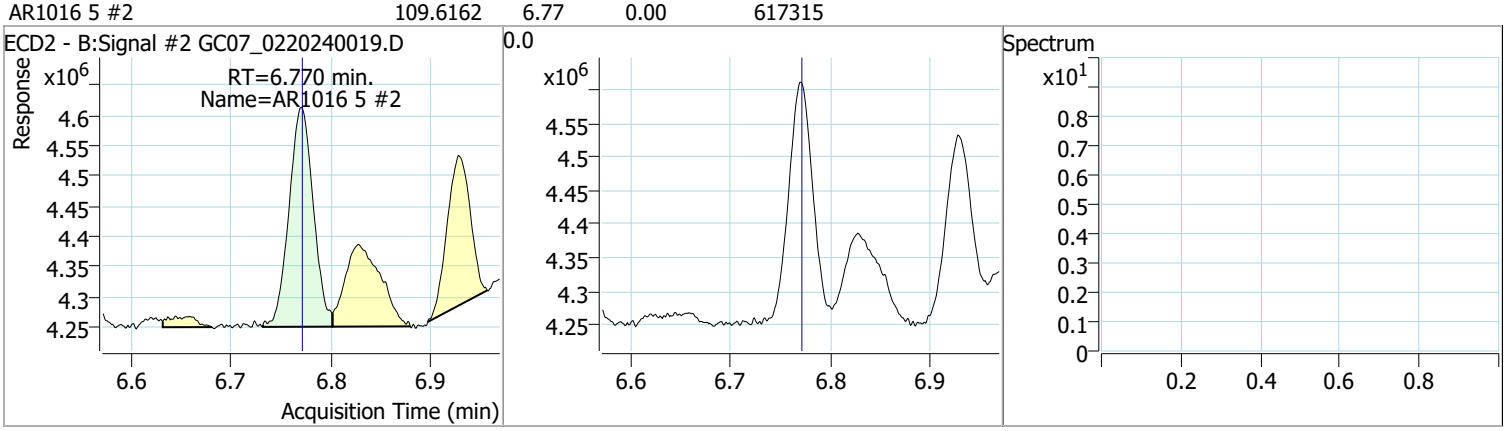

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 109.6682 | 6.09 | 0.00 | 1157568 (m) | | | | |



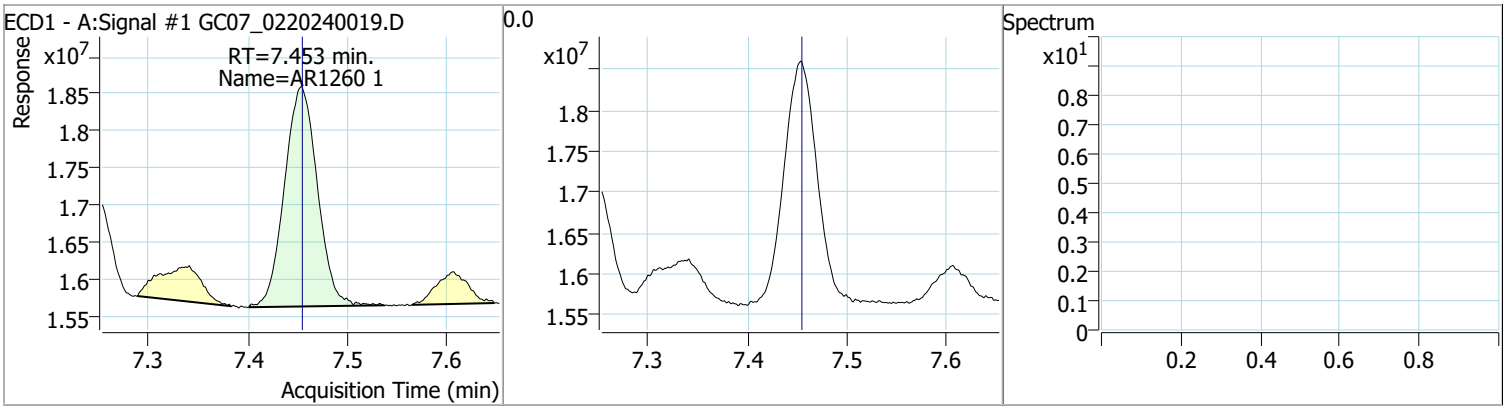

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 109.4519 | 6.23 | 0.00 | 763992 | | | | |



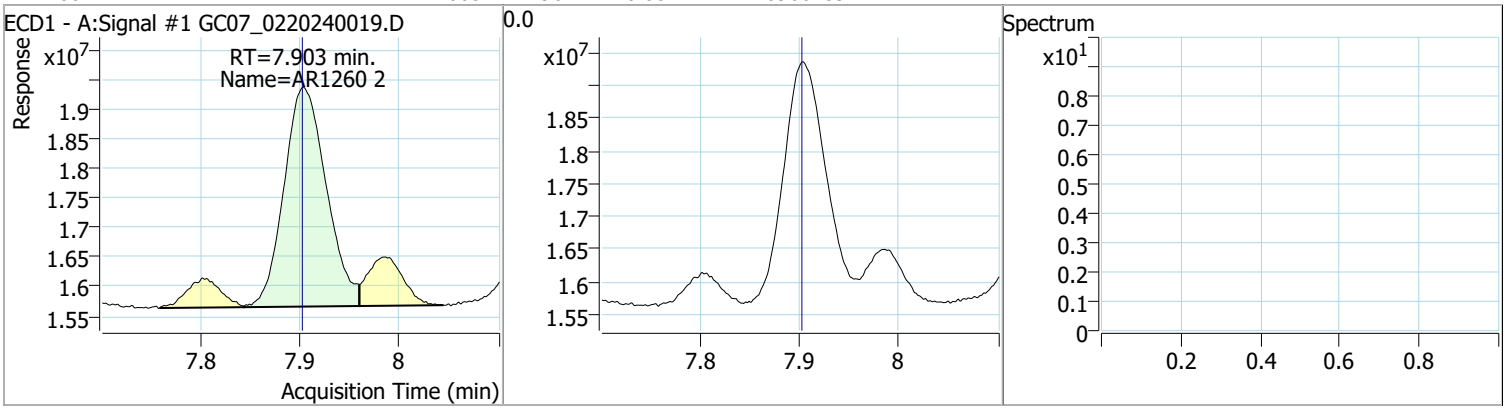

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 109.6162 | 6.77 | 0.00 | 617315 | | | | |



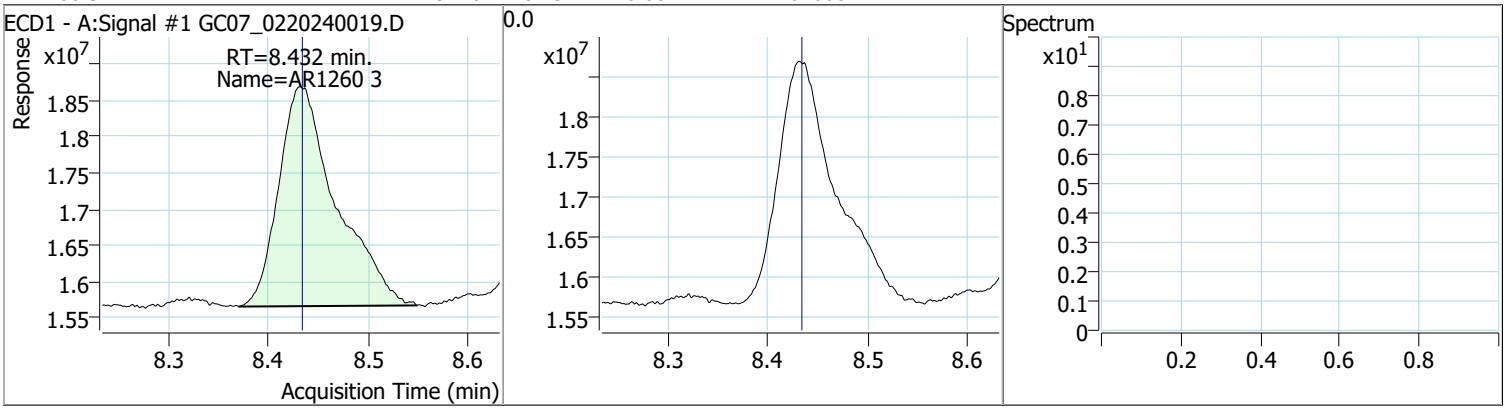
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 116.9526 | 7.45 | 0.00 | 6823654 | | | | |



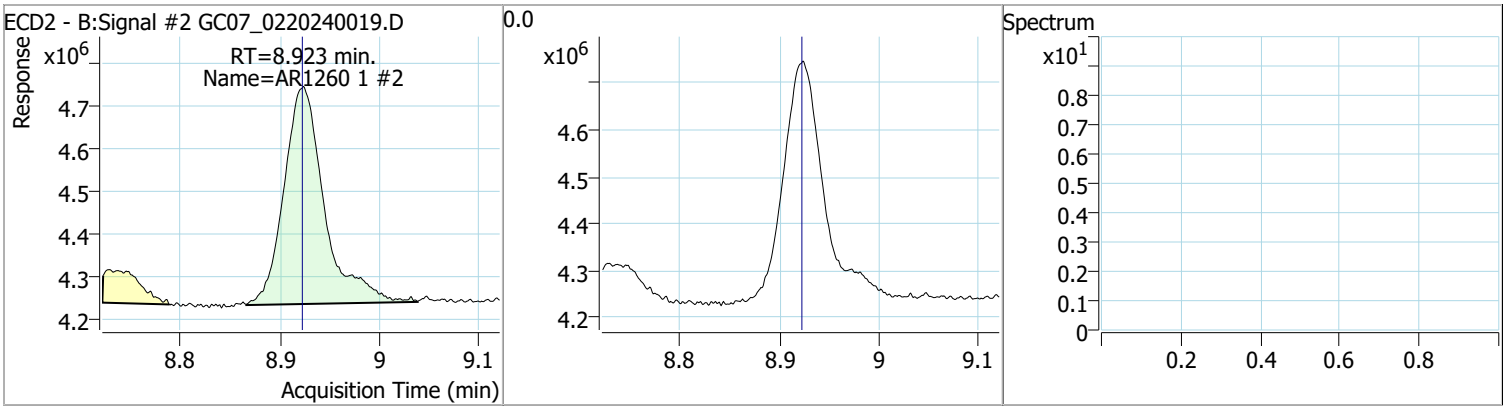

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 117.1665 | 7.90 | 0.00 | 10960759 | | | | |



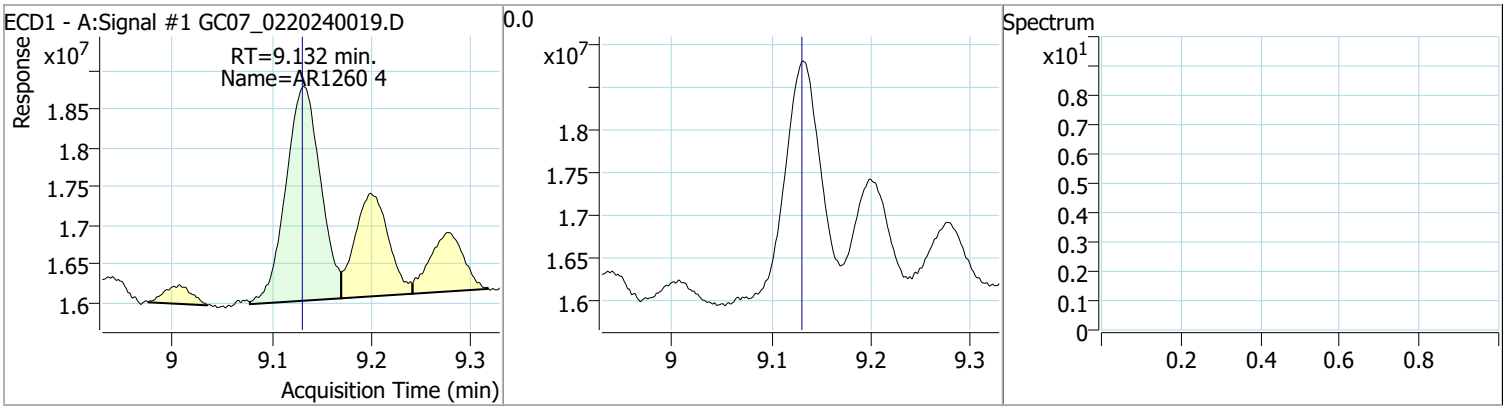

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 114.9726 | 8.43 | 0.00 | 12181608 | | | | |



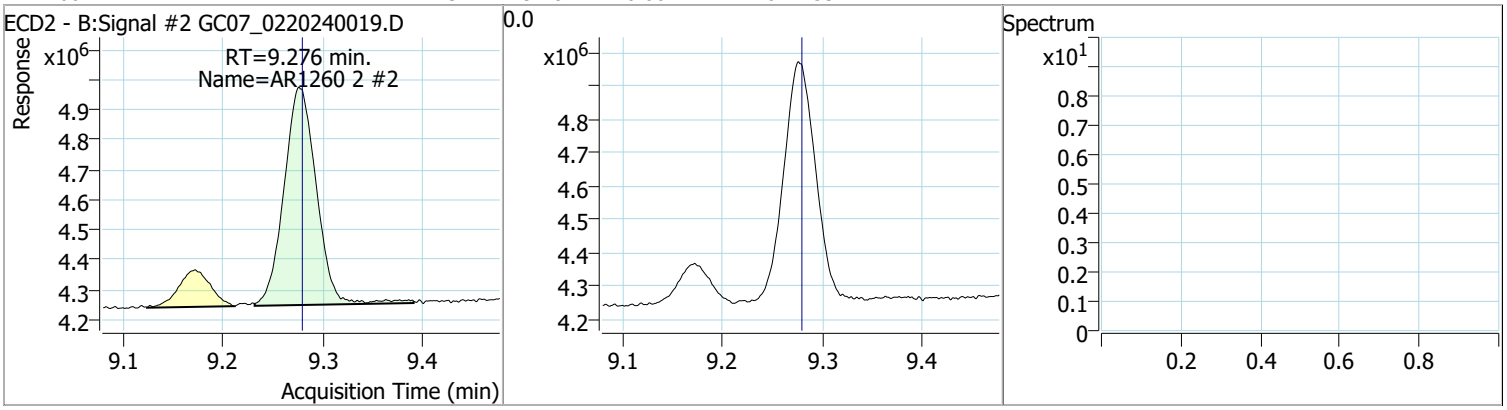

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 110.4366 | 8.92 | 0.00 | 1450991 | | | | |



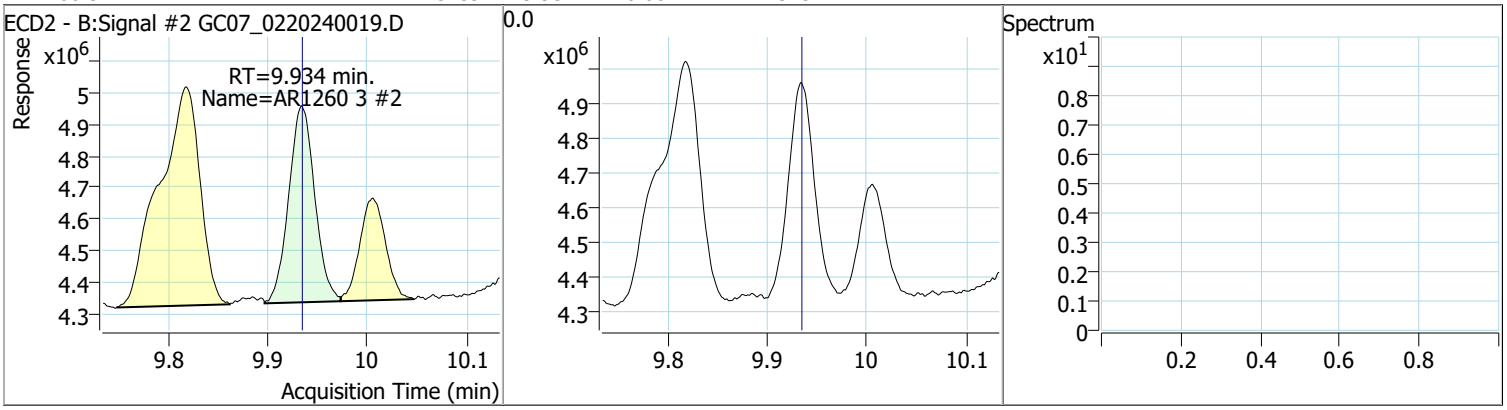
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 115.9922 | 9.13 | 0.00 | 6706050 | | | | |



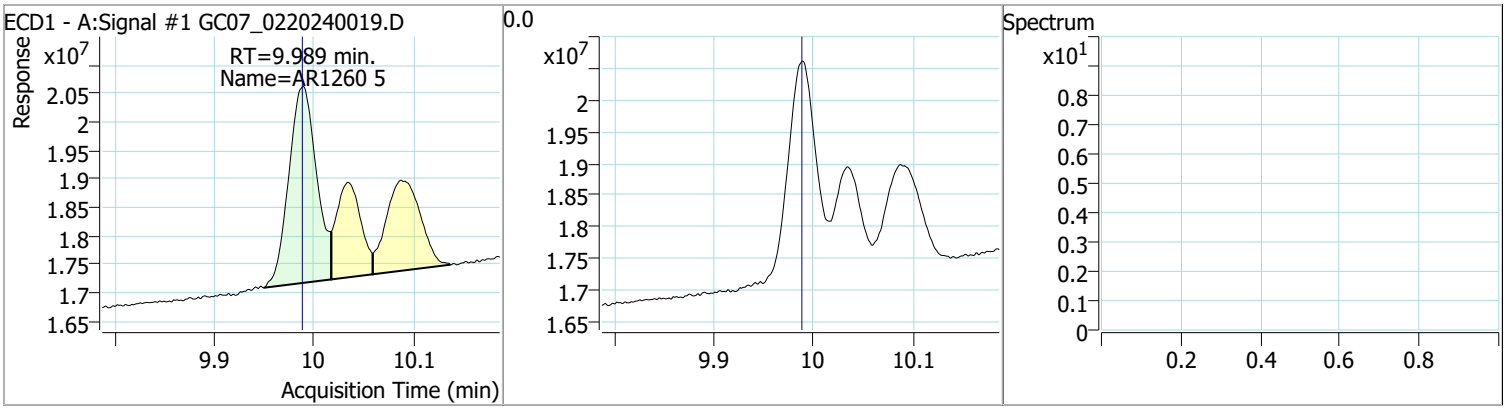

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 114.4372 | 9.28 | 0.00 | 1644253 | | | | |



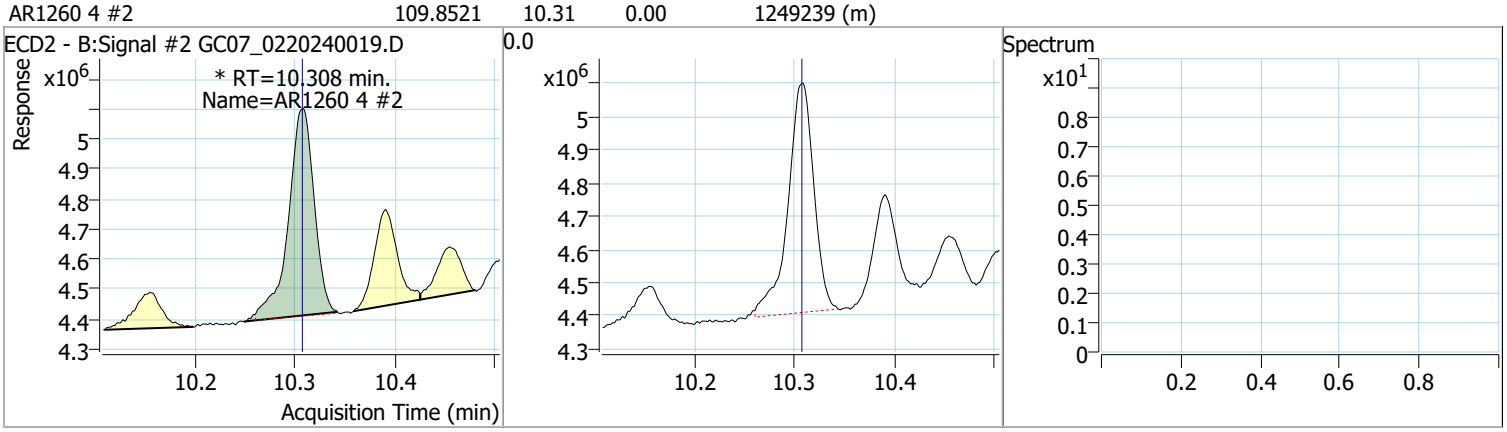

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 114.5159 | 9.93 | 0.00 | 1132544 | | | | |



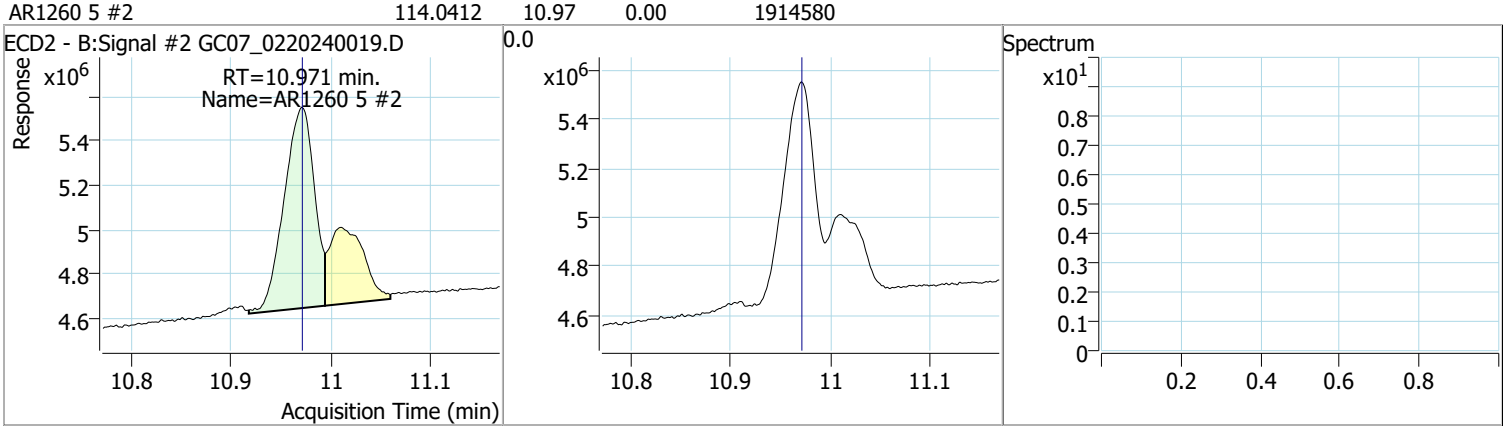

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 110.0464 | 9.99 | 0.00 | 6707356 | | | | |



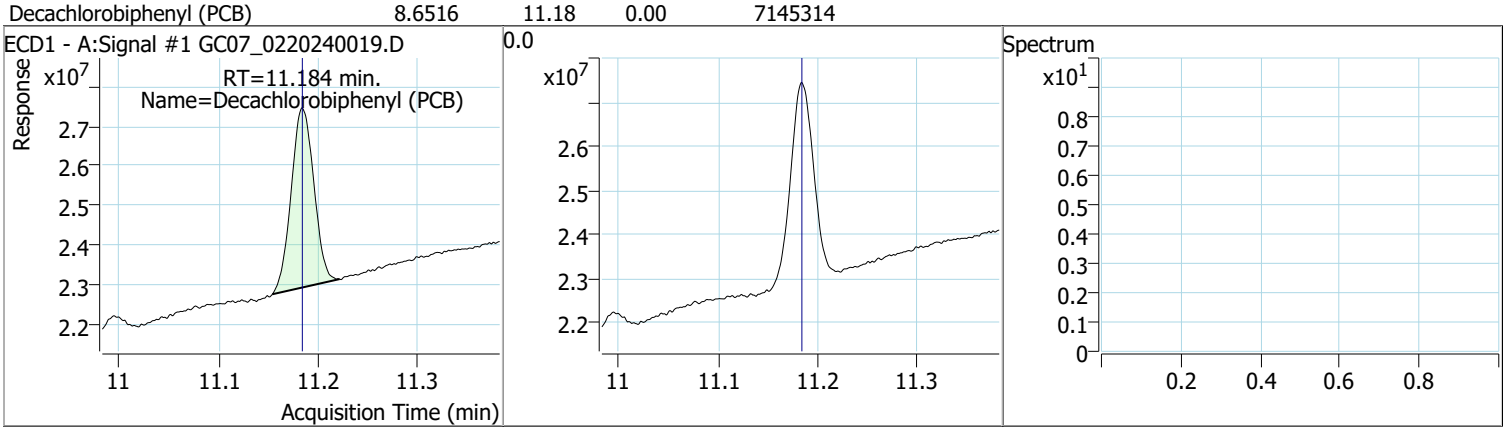
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 109.8521 | 10.31 | 0.00 | 1249239 (m) | | | | |



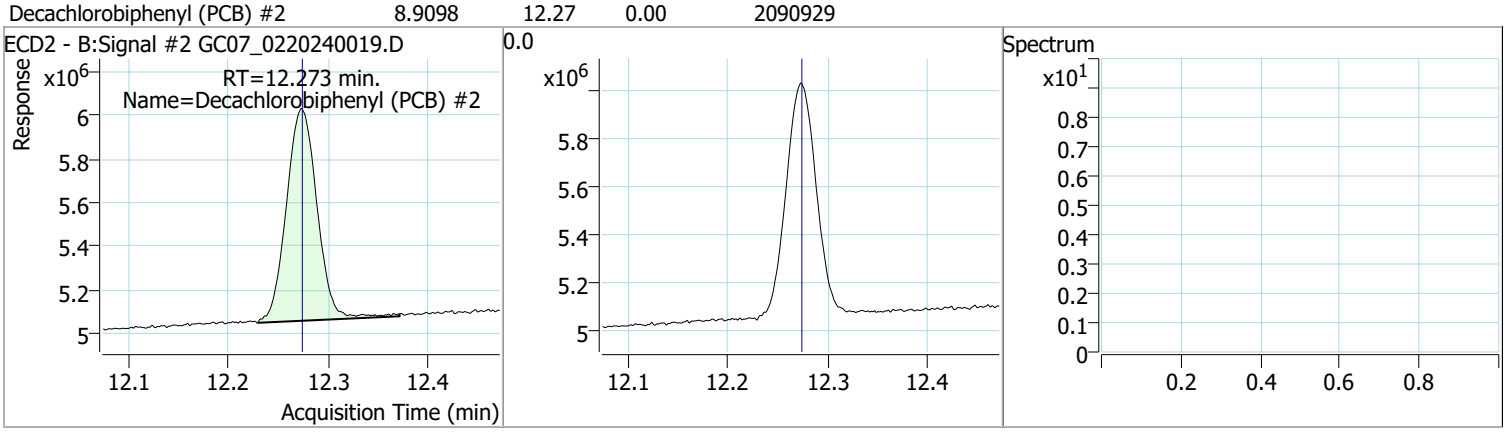

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 114.0412 | 10.97 | 0.00 | 1914580 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 8.6516 | 11.18 | 0.00 | 7145314 | | | | |

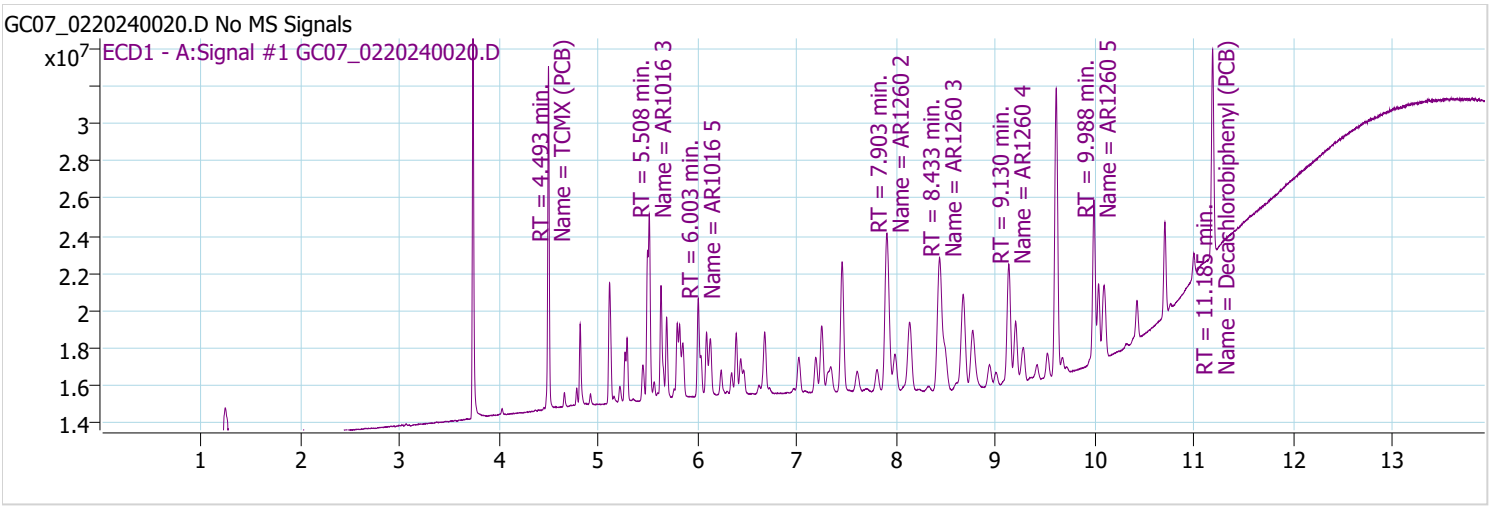


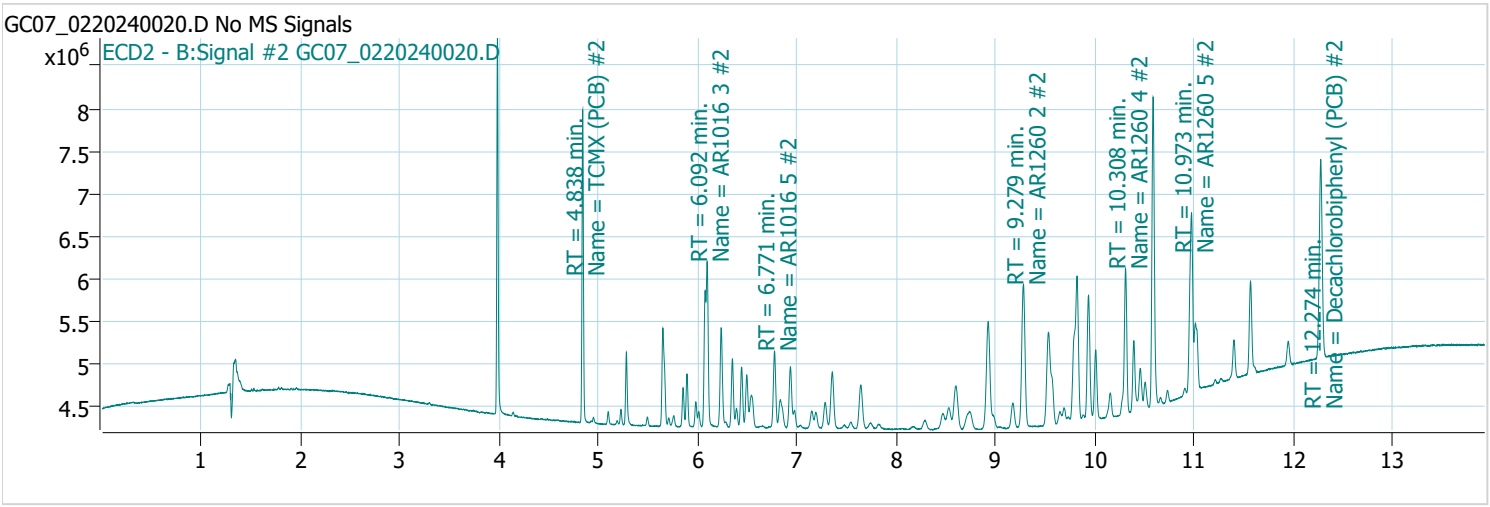

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 8.9098 | 12.27 | 0.00 | 2090929 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240020.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 2:41:36 PM |
| Sample Name | ICAL, S19335 | Instrument | SVOA-GC07 |
| Vial | 134 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 250 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



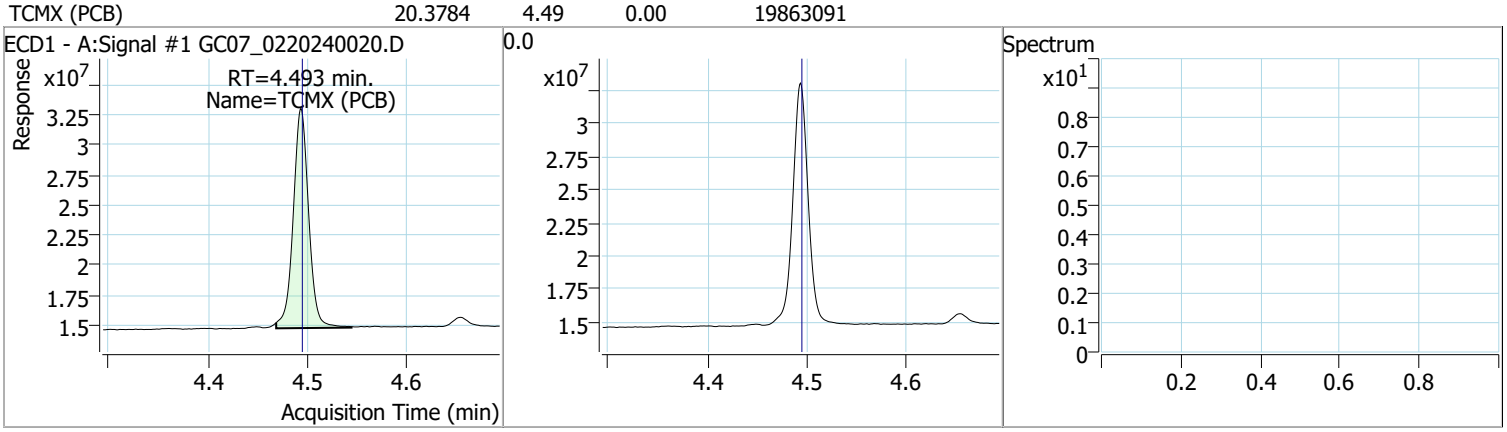




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.733 | 0.0 | 21441006.178 | 20.0000 | ng/ml | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.979 | 0.0 | 4292054.070 | 20.0000 | ng/ml | 0.001 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 19863090.722 | 20.3784 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 101.89% | | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 3749729.521 | 20.0455 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 100.23% | | |
| S Decachlorobiphenyl (PCB) | 11.185 | 0.0 | 17643585.602 | 20.5938 | ng/ml | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 102.97% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.274 | 0.0 | 4828913.310 | 19.7651 | ng/ml | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 98.83% | | |
| **Target Compounds** | | | | | | QValue |

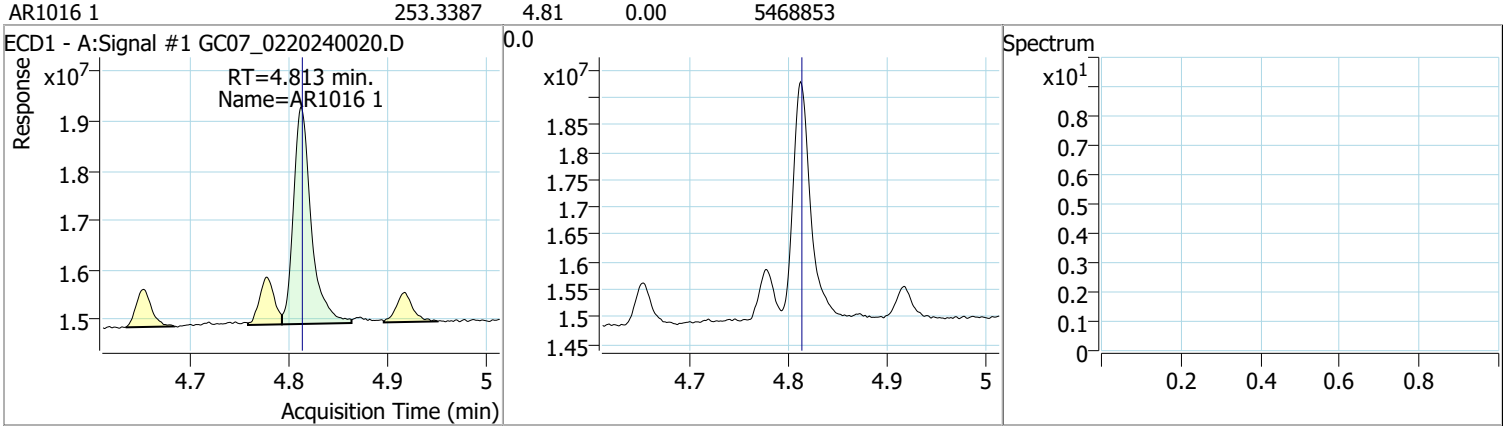
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.813 | 0.0 | 5468852.629 | 253.3387 | ng/ml | | 100 |
| T AR1016 2 | 5.109 | 0.0 | 9916762.075 | 260.9460 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 1028004.787 | 256.6176 | ng/ml | | 100 |
| T AR1016 3 | 5.508 | 0.0 | 13373031.900 | 264.4632 | ng/ml | m | 100 |
| T AR1016 4 | 5.627 | 0.0 | 9021180.216 | 264.6947 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.646 | 0.0 | 2080943.826 | 260.3833 | ng/ml | | 100 |
| T AR1016 5 | 6.003 | 0.0 | 7856690.017 | 260.2998 | ng/ml | m | 100 |
| T AR1016 3 #2 | 6.092 | 0.0 | 2782853.148 | 253.2459 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 1888317.024 | 259.8527 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.771 | 0.0 | 1515475.168 | 258.4844 | ng/ml | | 100 |
| T AR1260 1 | 7.452 | 0.0 | 15954880.050 | 263.6094 | ng/ml | | 100 |
| T AR1260 2 | 7.903 | 0.0 | 25007638.471 | 257.6973 | ng/ml | | 100 |
| T AR1260 3 | 8.433 | 0.0 | 28292066.878 | 257.4119 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.923 | 0.0 | 3554098.114 | 259.8339 | ng/ml | m | 100 |
| T AR1260 4 | 9.130 | 0.0 | 15849277.327 | 264.2688 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.279 | 0.0 | 3889292.733 | 260.0084 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.934 | 0.0 | 2713698.844 | 263.5667 | ng/ml | | 100 |
| T AR1260 5 | 9.988 | 0.0 | 16388250.282 | 259.1977 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 3092595.450 | 261.2184 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.973 | 0.0 | 4549441.078 | 260.2940 | ng/ml | | 100 |

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

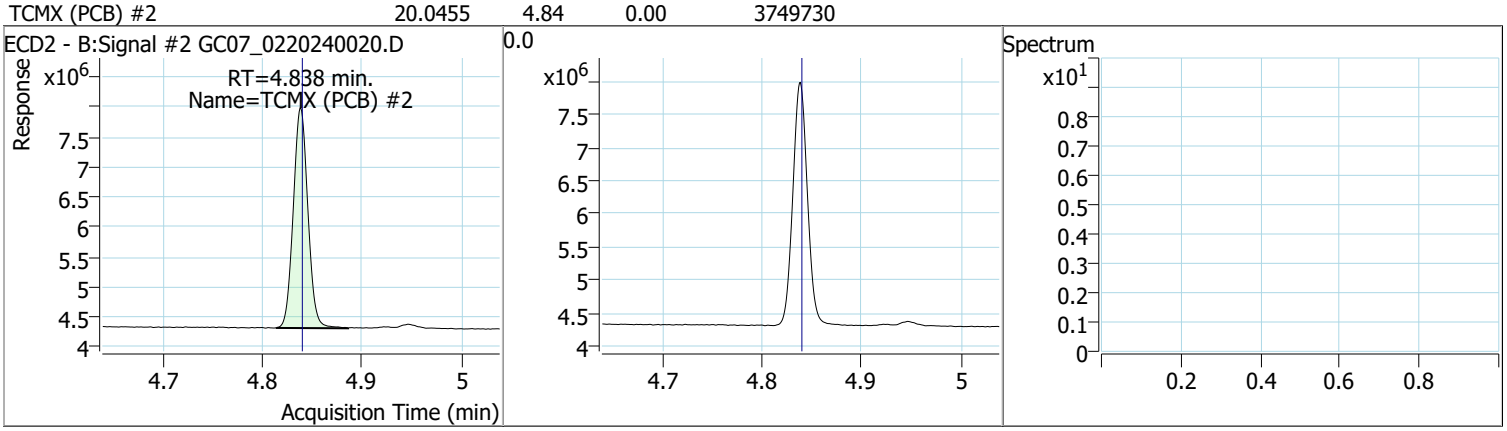
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 20.3784 | 4.49 | 0.00 | 19863091 | | | | |



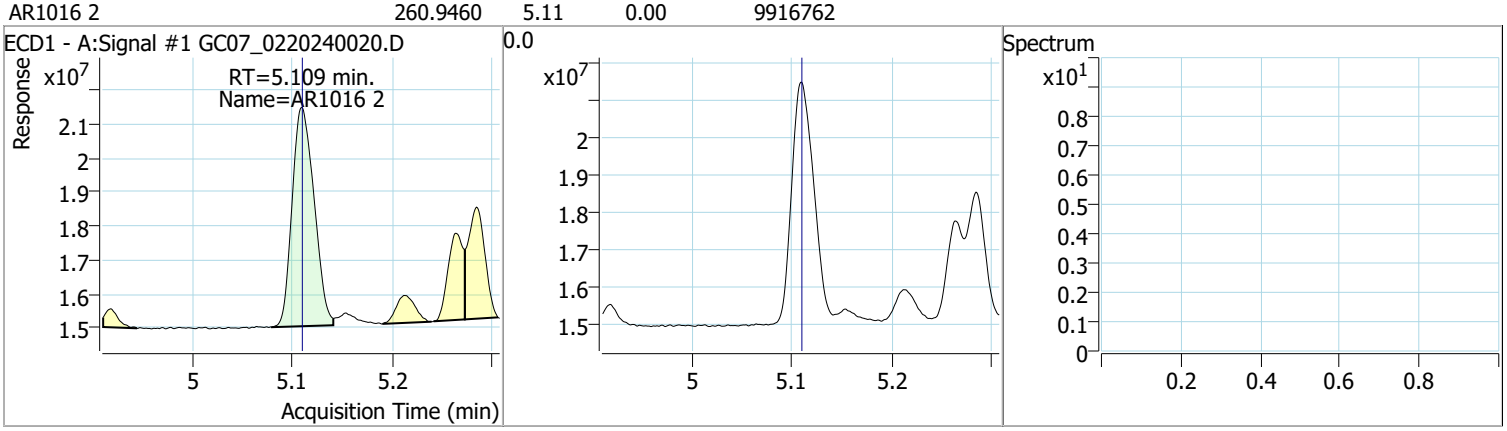

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 253.3387 | 4.81 | 0.00 | 5468853 | | | | |



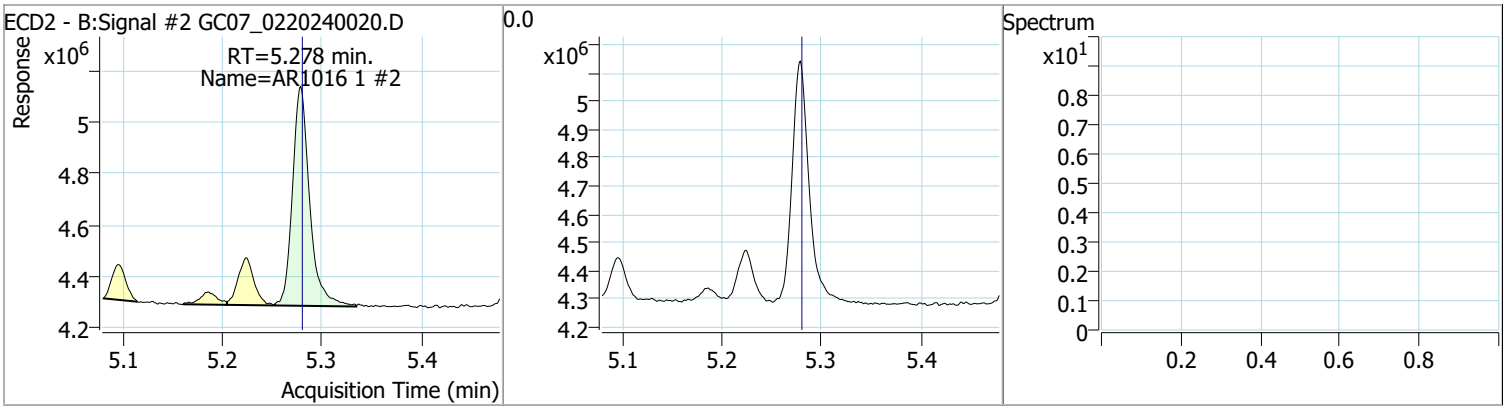

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 20.0455 | 4.84 | 0.00 | 3749730 | | | | |



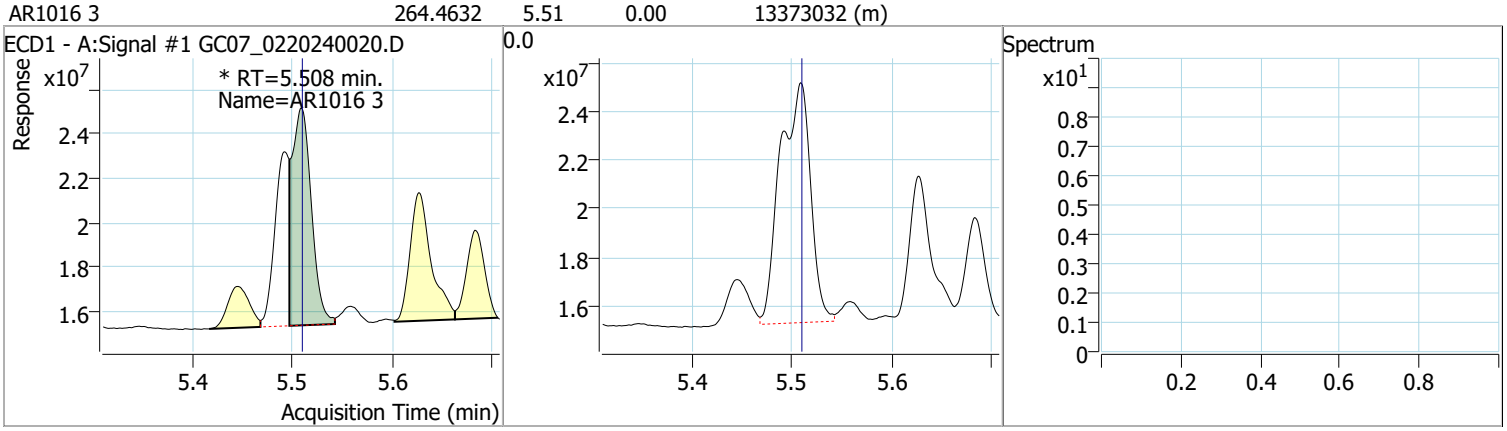

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 260.9460 | 5.11 | 0.00 | 9916762 | | | | |



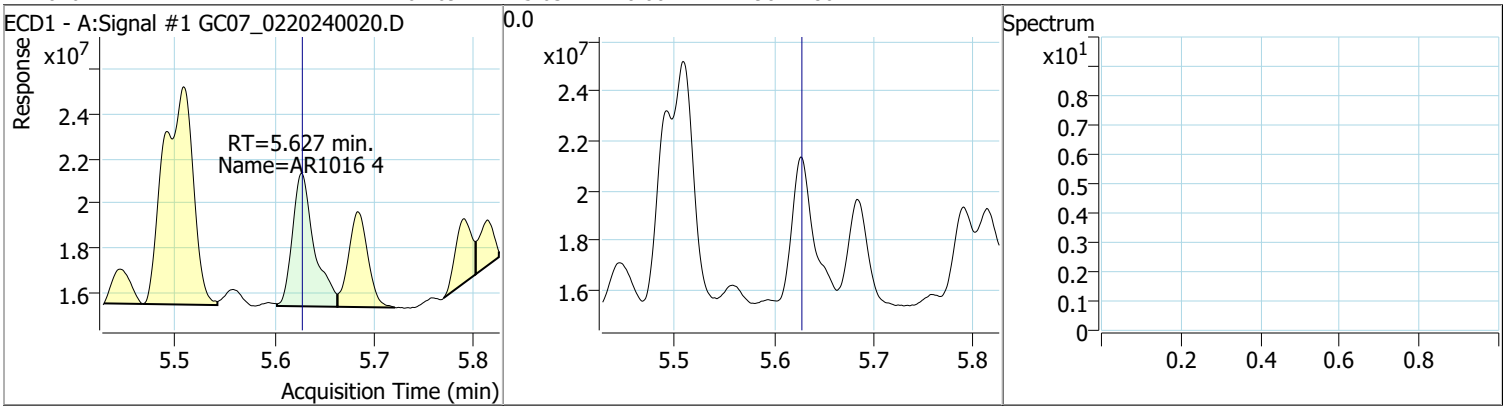
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 256.6176 | 5.28 | 0.00 | 1028005 | | | | |



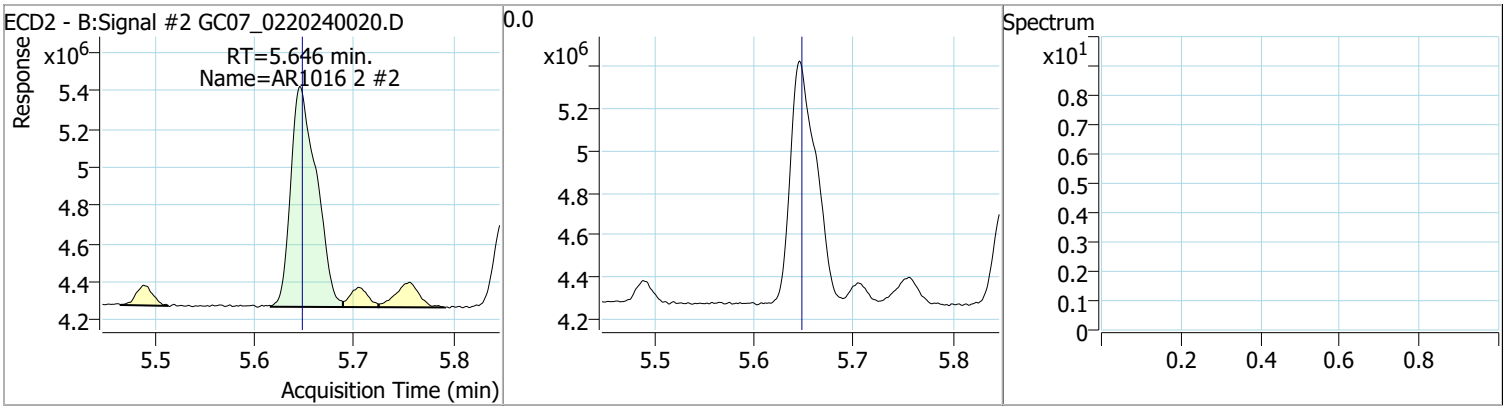

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 264.4632 | 5.51 | 0.00 | 13373032 (m) | | | | |



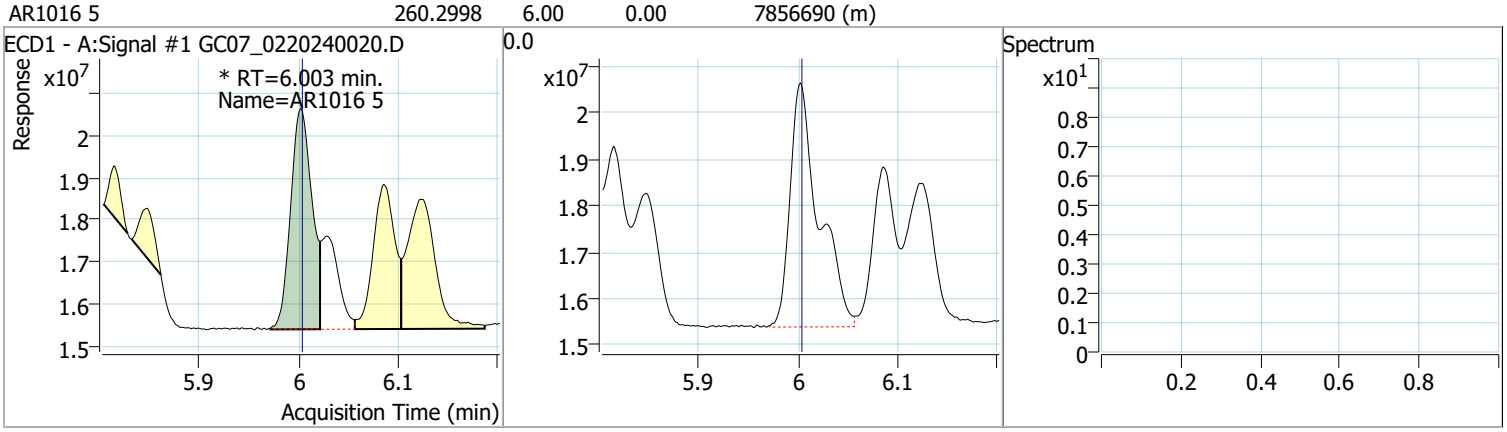

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 264.6947 | 5.63 | 0.00 | 9021180 | | | | |



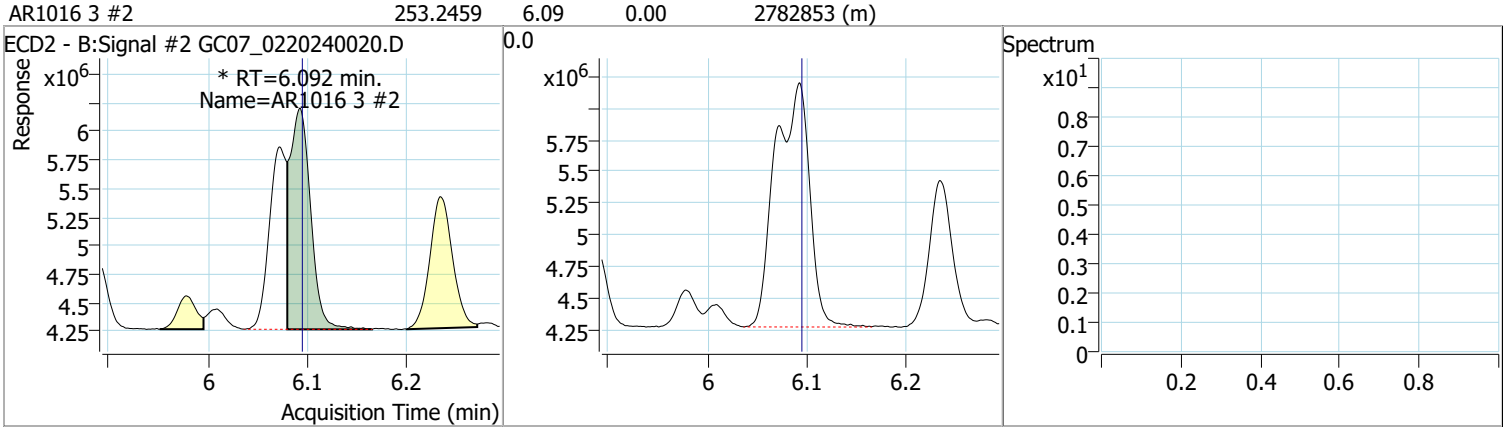

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 260.3833 | 5.65 | 0.00 | 2080944 | | | | |



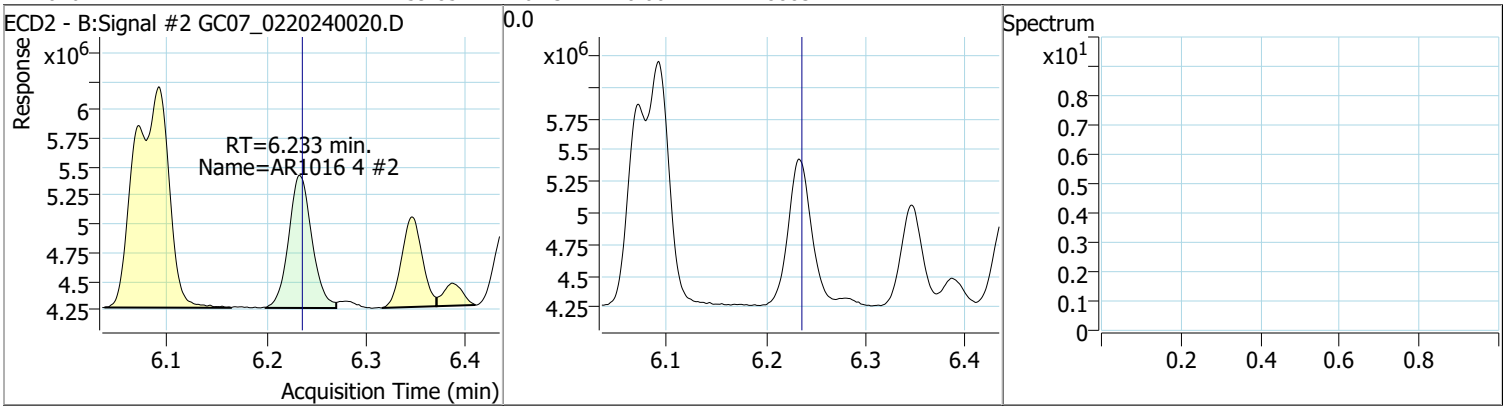
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 260.2998 | 6.00 | 0.00 | 7856690 (m) | | | | |



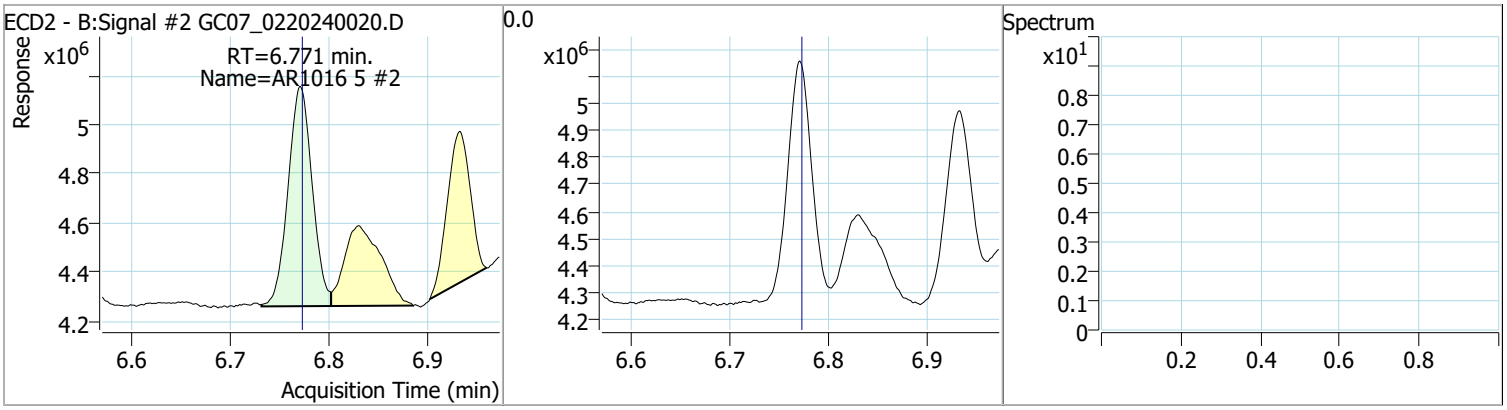

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 253.2459 | 6.09 | 0.00 | 2782853 (m) | | | | |



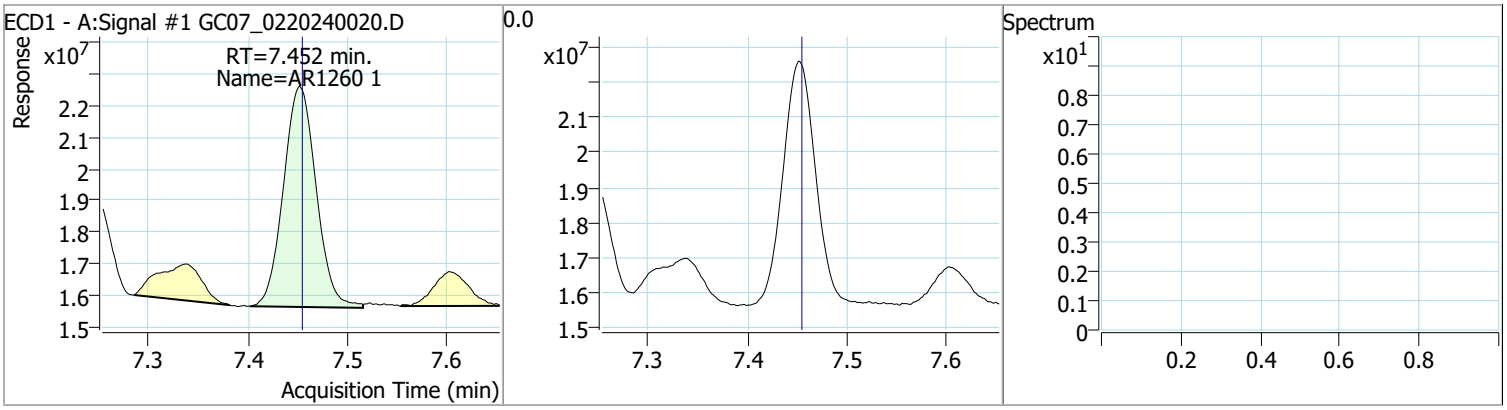

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 259.8527 | 6.23 | 0.00 | 1888317 | | | | |



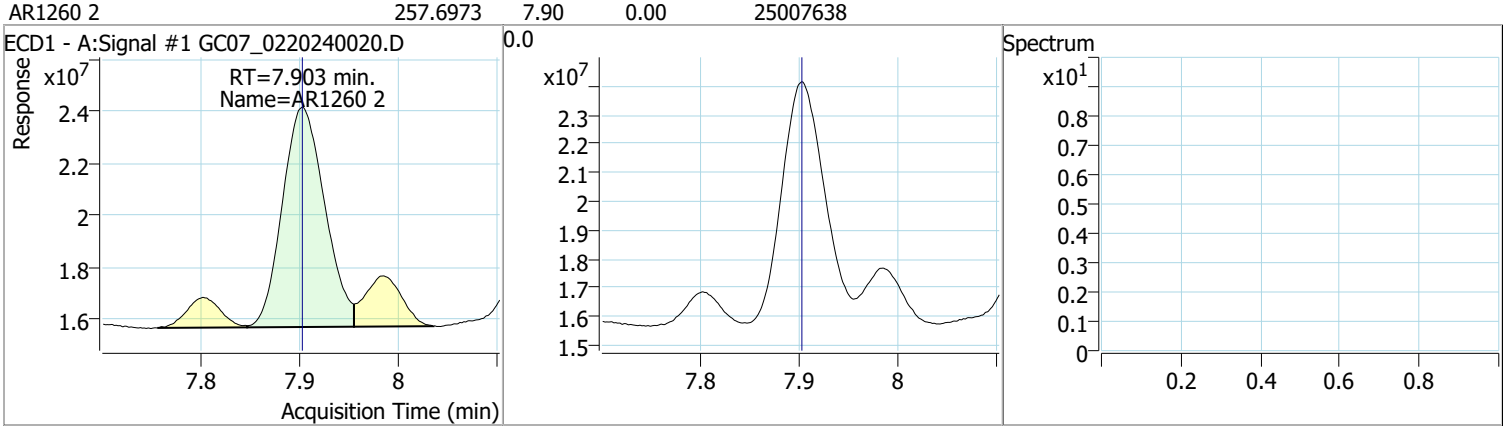

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 258.4844 | 6.77 | 0.00 | 1515475 | | | | |



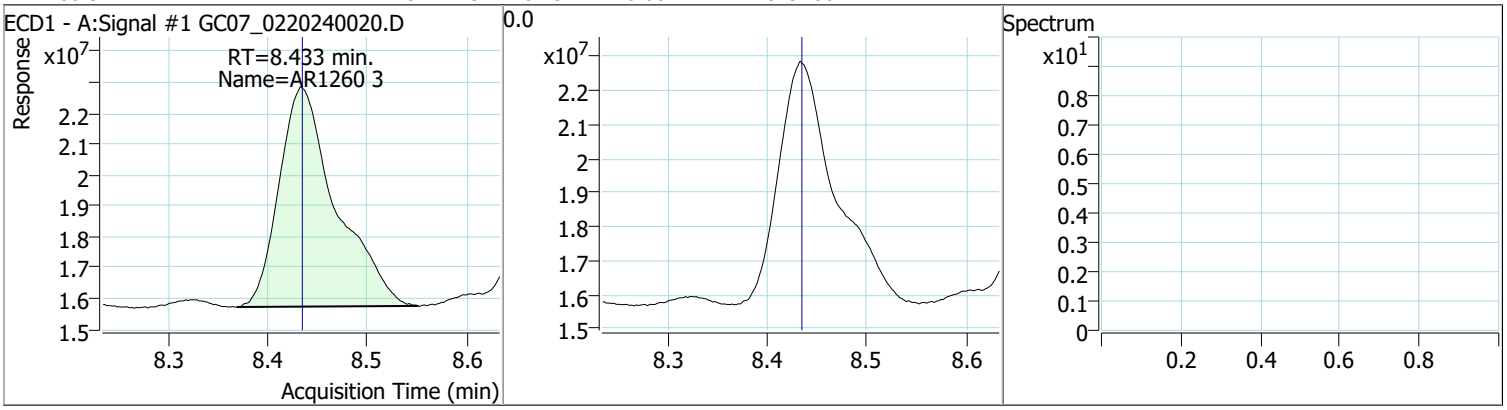
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 263.6094 | 7.45 | 0.00 | 15954880 | | | | |



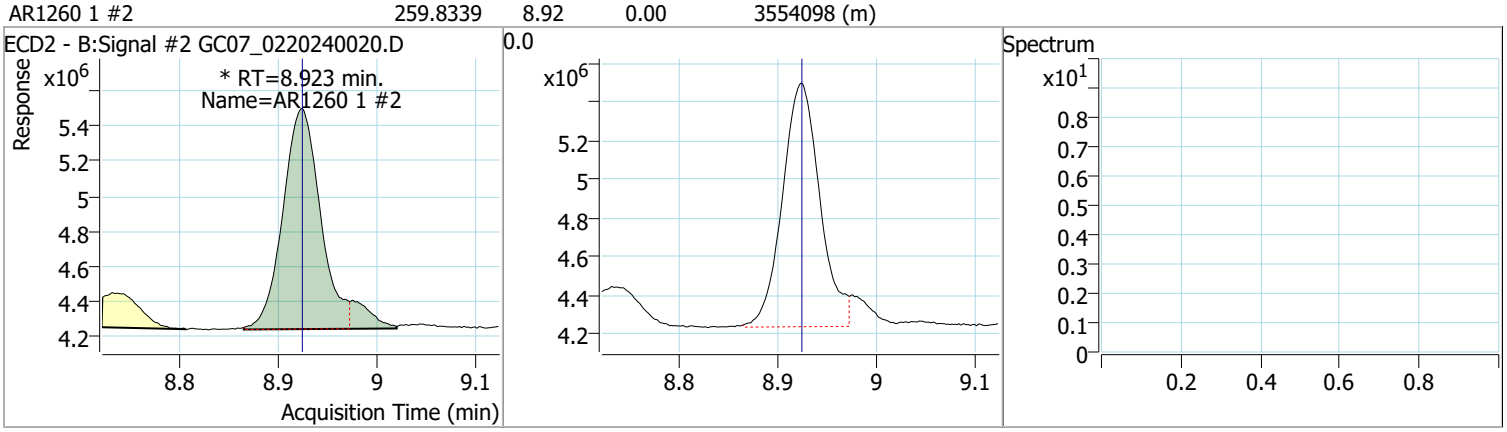

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 257.6973 | 7.90 | 0.00 | 25007638 | | | | |



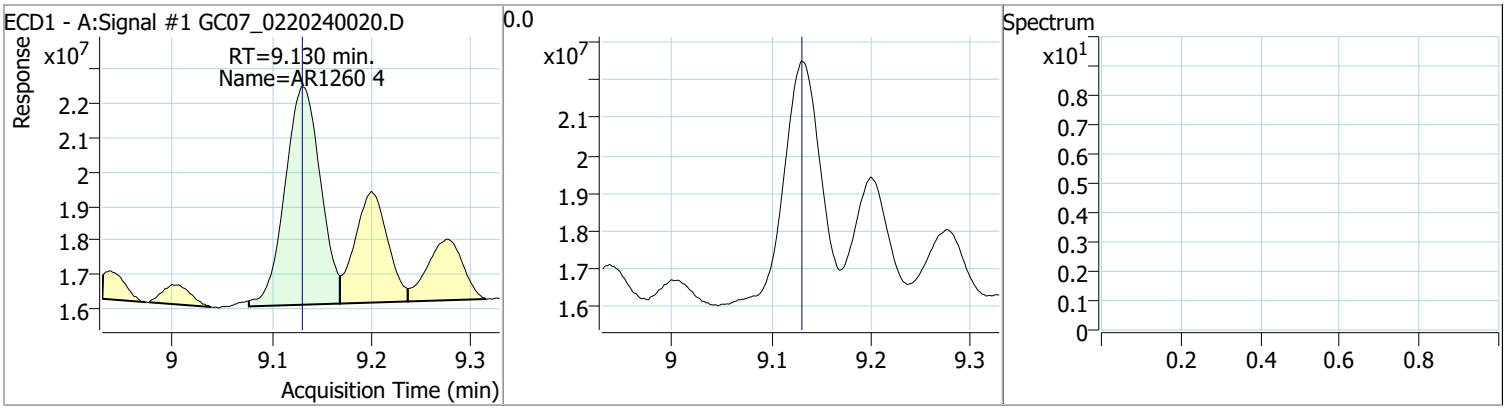

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 257.4119 | 8.43 | 0.00 | 28292067 | | | | |



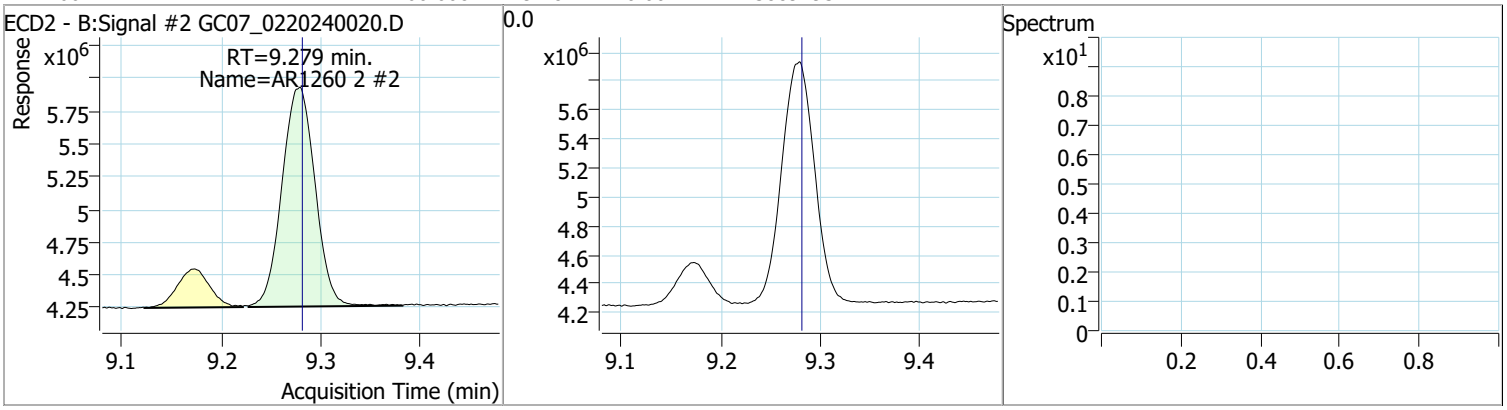

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 259.8339 | 8.92 | 0.00 | 3554098 (m) | | | | |



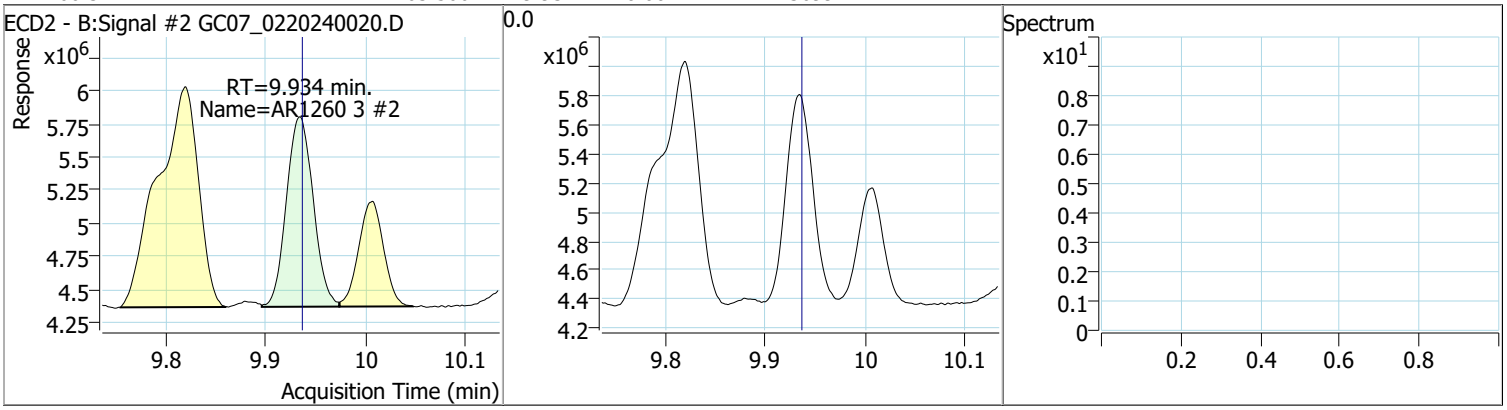
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 264.2688 | 9.13 | 0.00 | 15849277 | | | | |



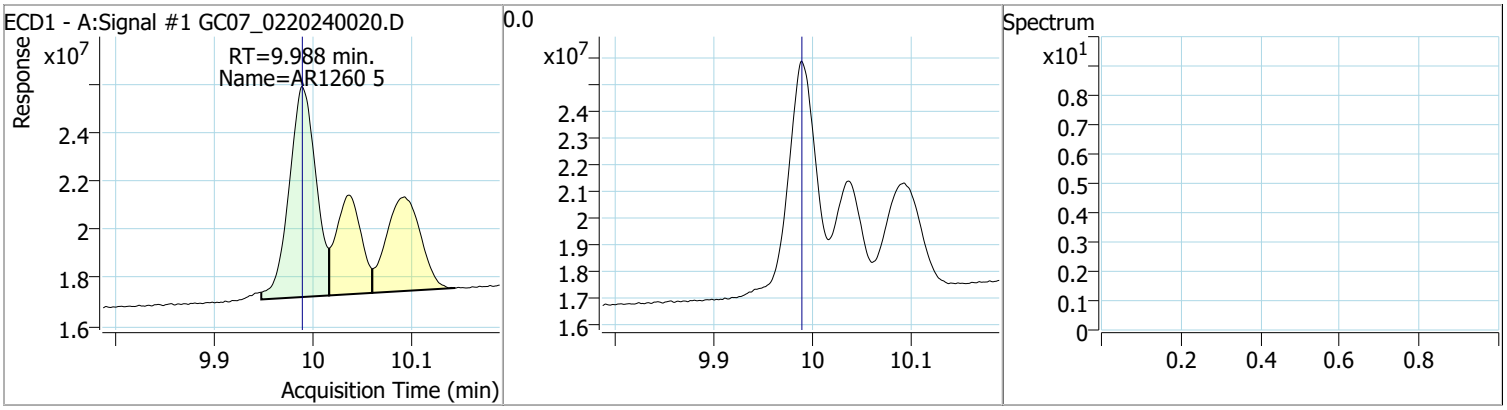

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 260.0084 | 9.28 | 0.00 | 3889293 | | | | |



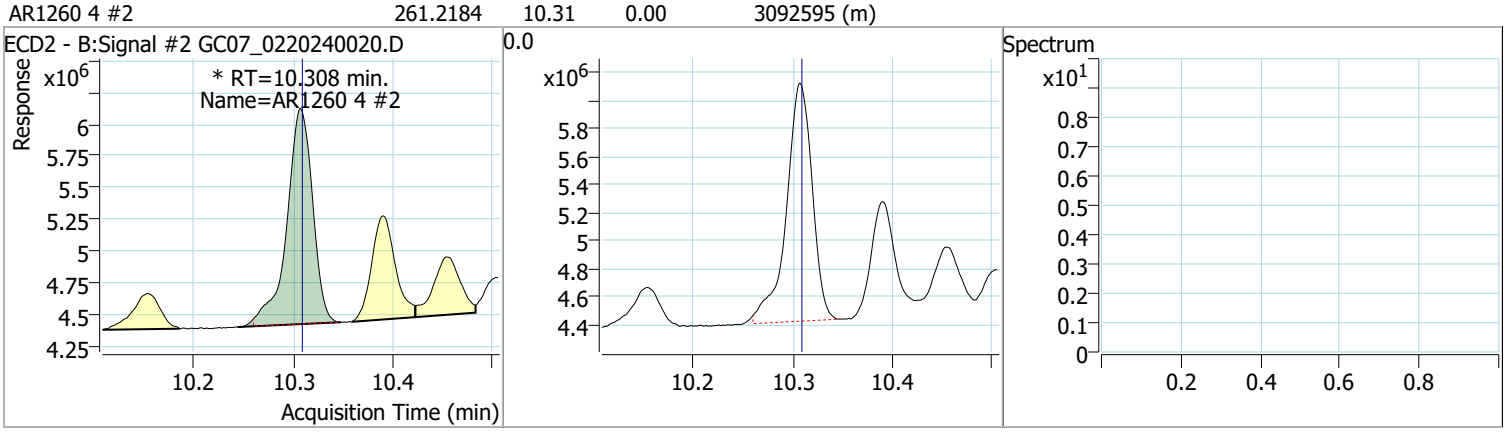

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 263.5667 | 9.93 | 0.00 | 2713699 | | | | |



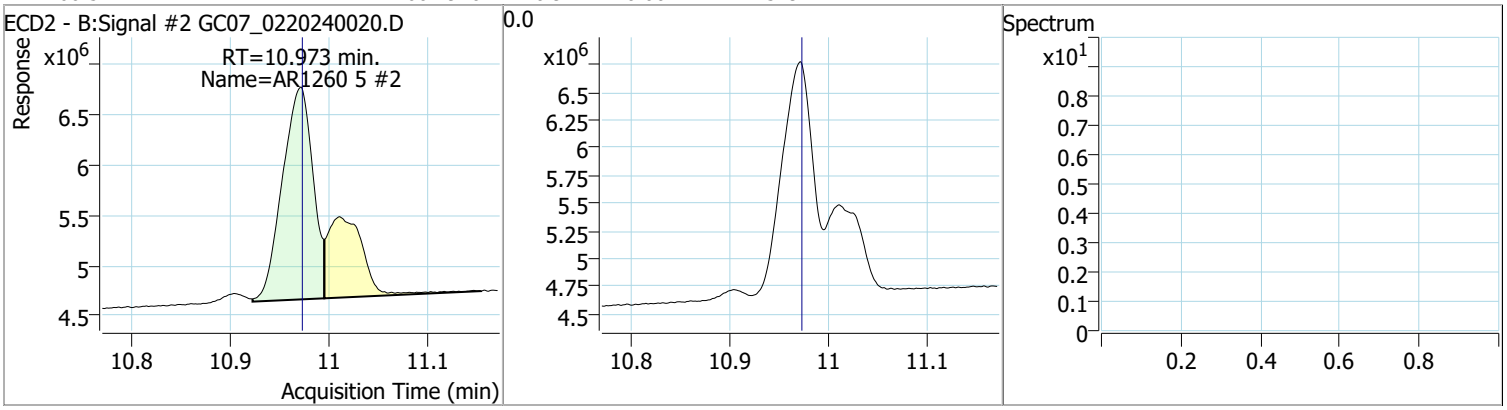

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 259.1977 | 9.99 | 0.00 | 16388250 | | | | |



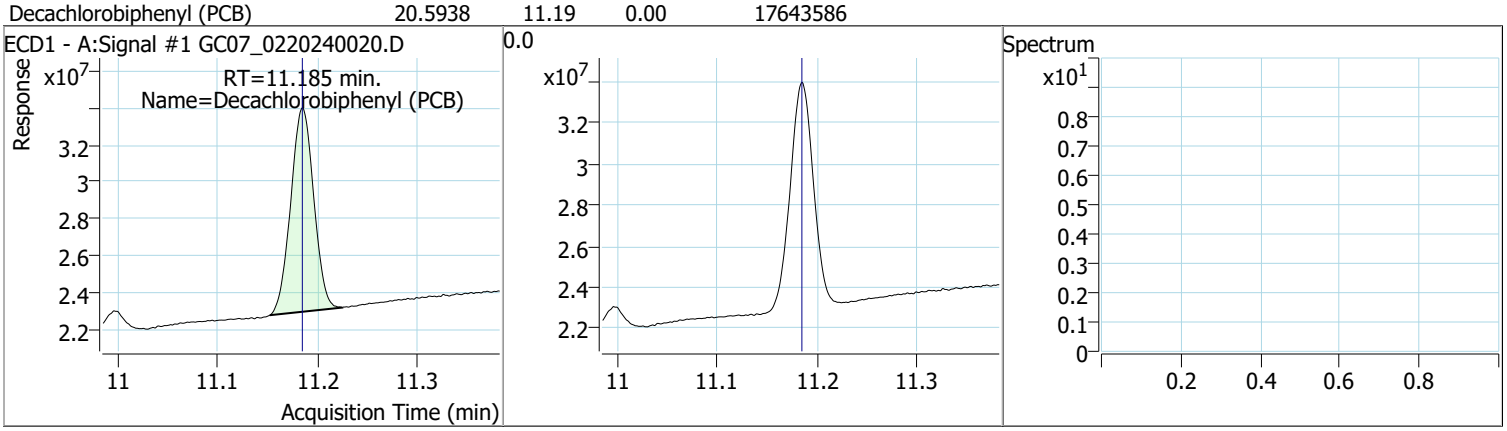
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 261.2184 | 10.31 | 0.00 | 3092595 (m) | | | | |



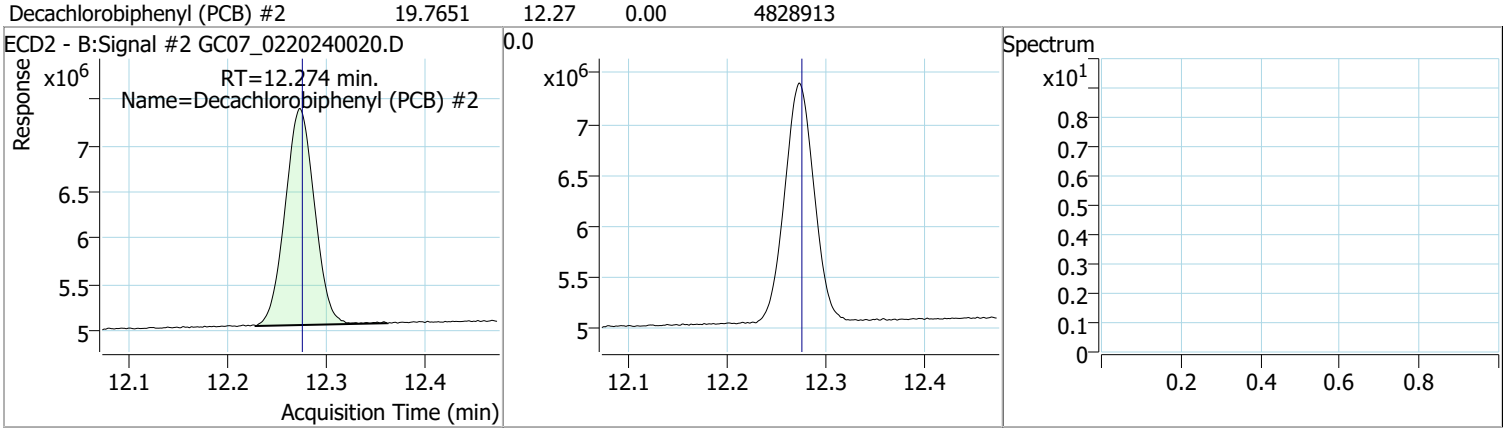

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 260.2940 | 10.97 | 0.00 | 4549441 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 20.5938 | 11.19 | 0.00 | 17643586 | | | | |

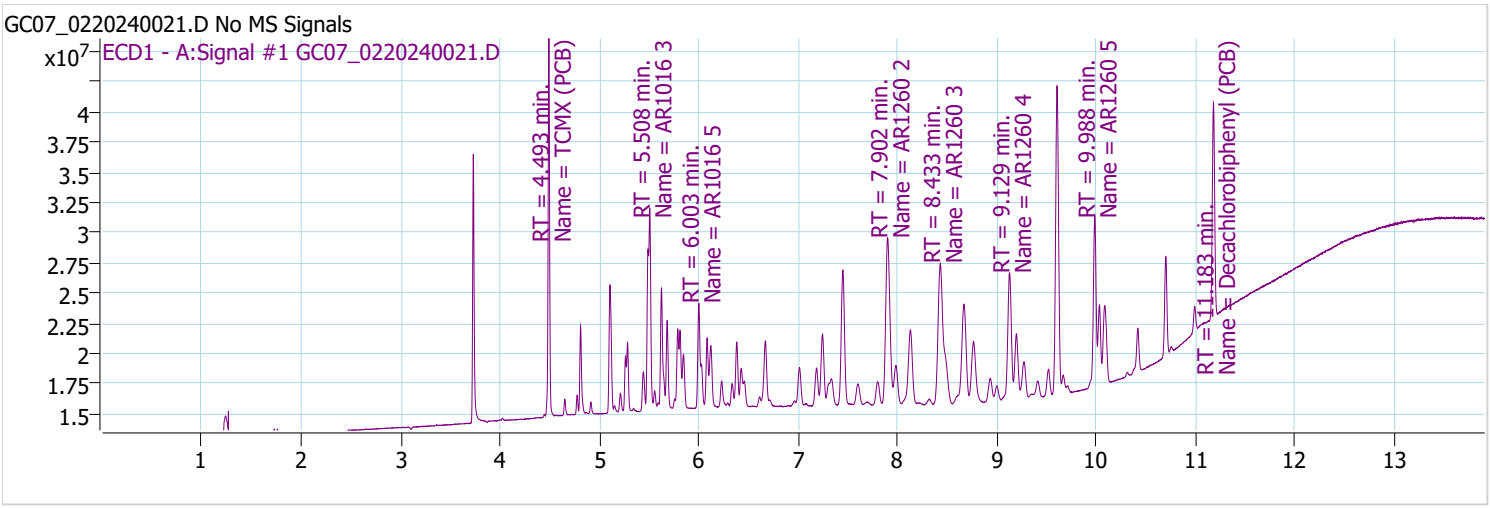


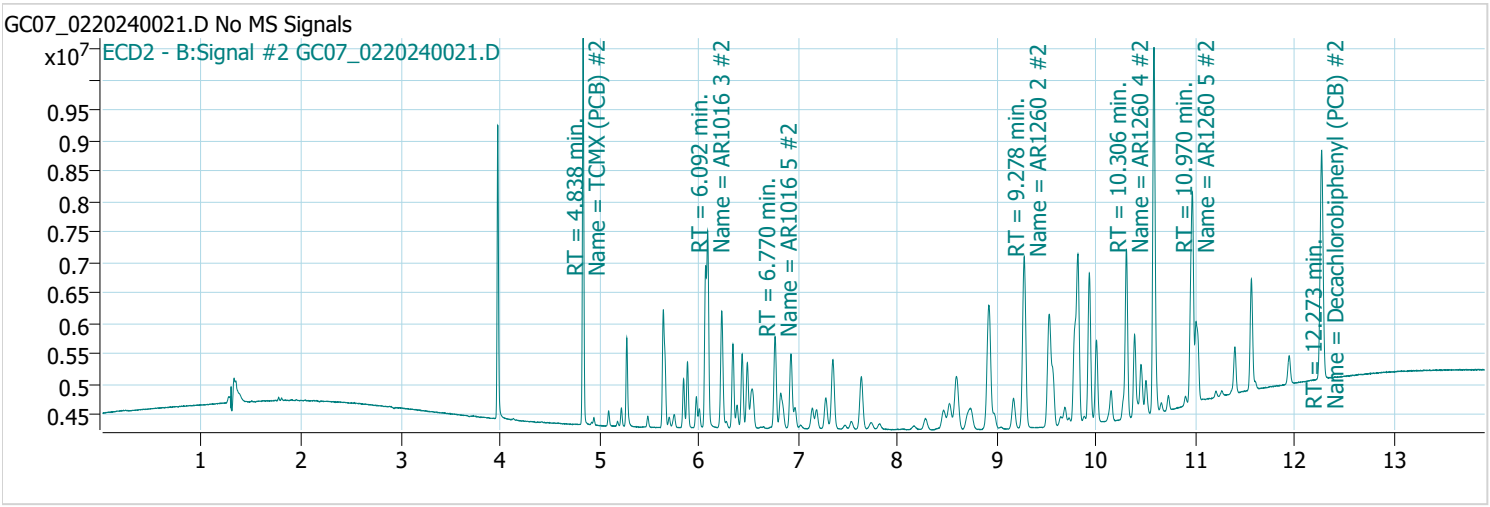

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 19.7651 | 12.27 | 0.00 | 4828913 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240021.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 2:59:04 PM |
| Sample Name | ICAL, S19340 | Instrument | SVOA-GC07 |
| Vial | 135 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 500 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



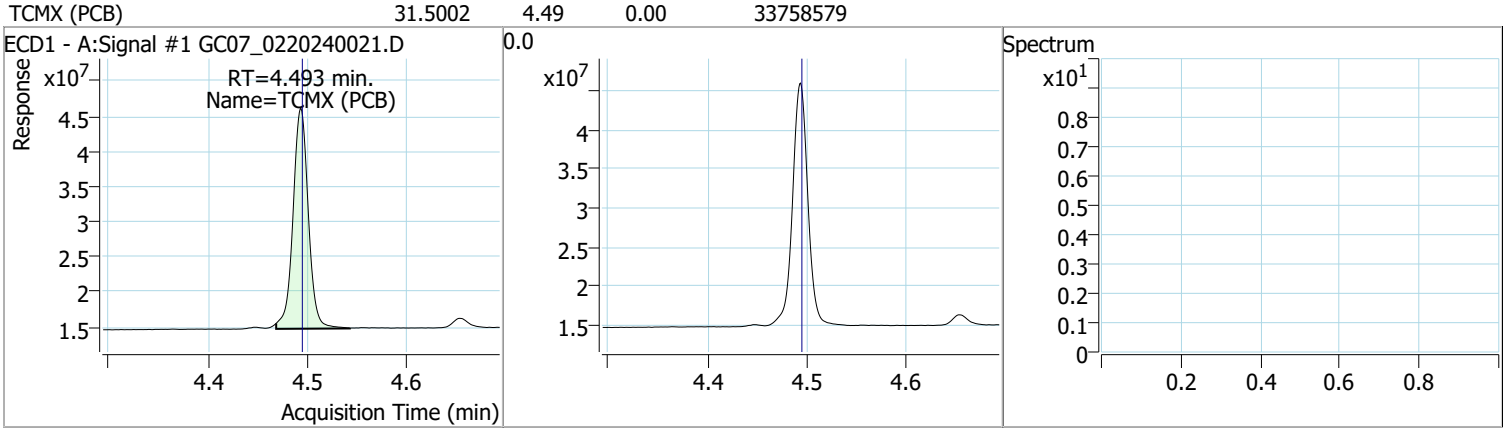




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.733 | 0.0 | 23574348.553 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.978 | 0.0 | 4680981.192 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 33758578.795 | 31.5002 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 157.50% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 6505026.847 | 31.8855 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 159.43% | | * | |
| S Decachlorobiphenyl (PCB) | 11.183 | 0.0 | 29578943.441 | 31.4005 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 157.00% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.273 | 0.0 | 7914438.612 | 29.7028 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 148.51% | | | |
| **Target Compounds** | | | | | | | QValue |

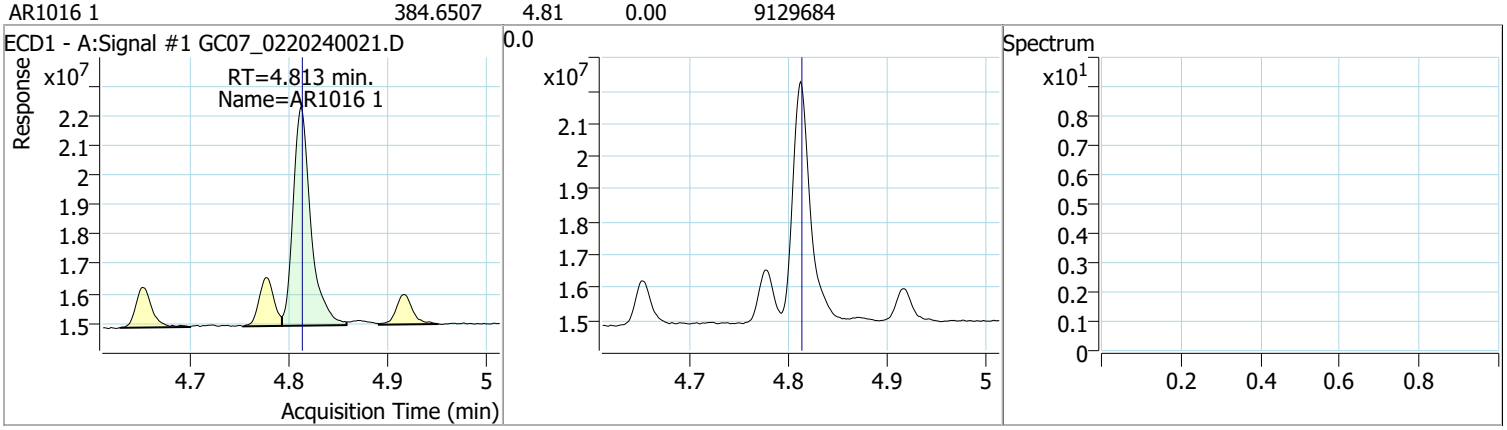
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.813 | 0.0 | 9129683.908 | 384.6507 | ng/ml | | 100 |
| T AR1016 2 | 5.108 | 0.0 | 16536779.237 | 395.7649 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 1773076.481 | 405.8327 | ng/ml | | 100 |
| T AR1016 3 | 5.508 | 0.0 | 21518758.229 | 387.0420 | ng/ml | m | 100 |
| T AR1016 4 | 5.627 | 0.0 | 15243655.958 | 406.7958 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.646 | 0.0 | 3554771.297 | 407.8428 | ng/ml | | 100 |
| T AR1016 5 | 6.003 | 0.0 | 13109926.771 | 395.0390 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.092 | 0.0 | 4780019.807 | 398.8505 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 3206462.490 | 404.5822 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.770 | 0.0 | 2615618.091 | 409.0610 | ng/ml | | 100 |
| T AR1260 1 | 7.453 | 0.0 | 25300368.232 | 380.1890 | ng/ml | | 100 |
| T AR1260 2 | 7.902 | 0.0 | 41035311.771 | 384.5921 | ng/ml | | 100 |
| T AR1260 3 | 8.433 | 0.0 | 46495360.674 | 384.7504 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.921 | 0.0 | 5974899.709 | 400.5210 | ng/ml | | 100 |
| T AR1260 4 | 9.129 | 0.0 | 26213190.311 | 397.5226 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.278 | 0.0 | 6421729.789 | 393.6380 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.933 | 0.0 | 4548251.386 | 405.0434 | ng/ml | | 100 |
| T AR1260 5 | 9.988 | 0.0 | 27450585.724 | 394.8714 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.306 | 0.0 | 5194925.825 | 402.3354 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.970 | 0.0 | 7488238.763 | 392.8386 | ng/ml | | 100 |

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

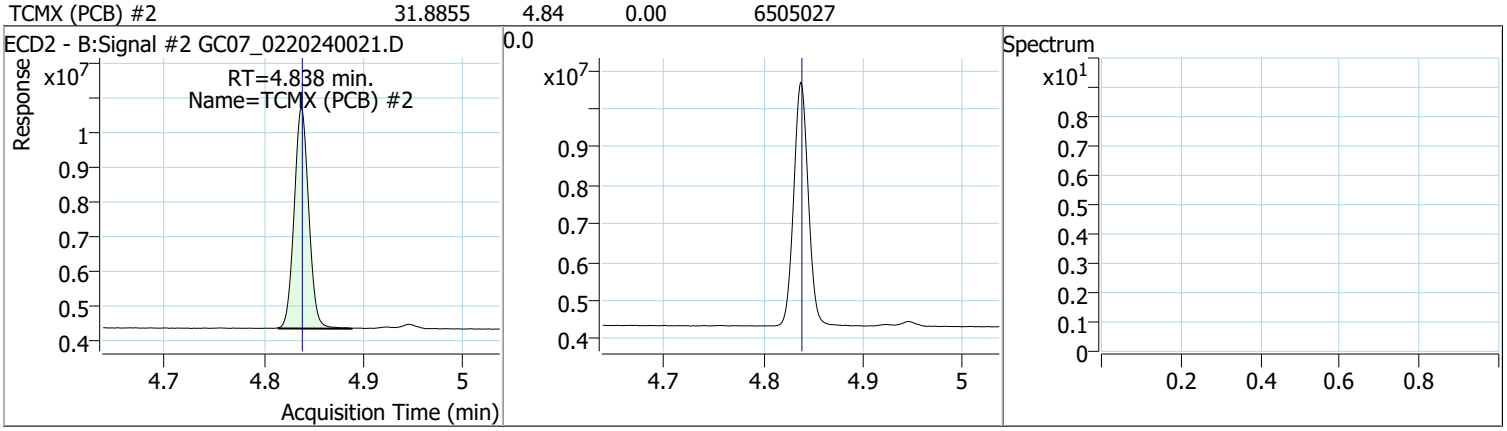
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 31.5002 | 4.49 | 0.00 | 33758579 | | | | |



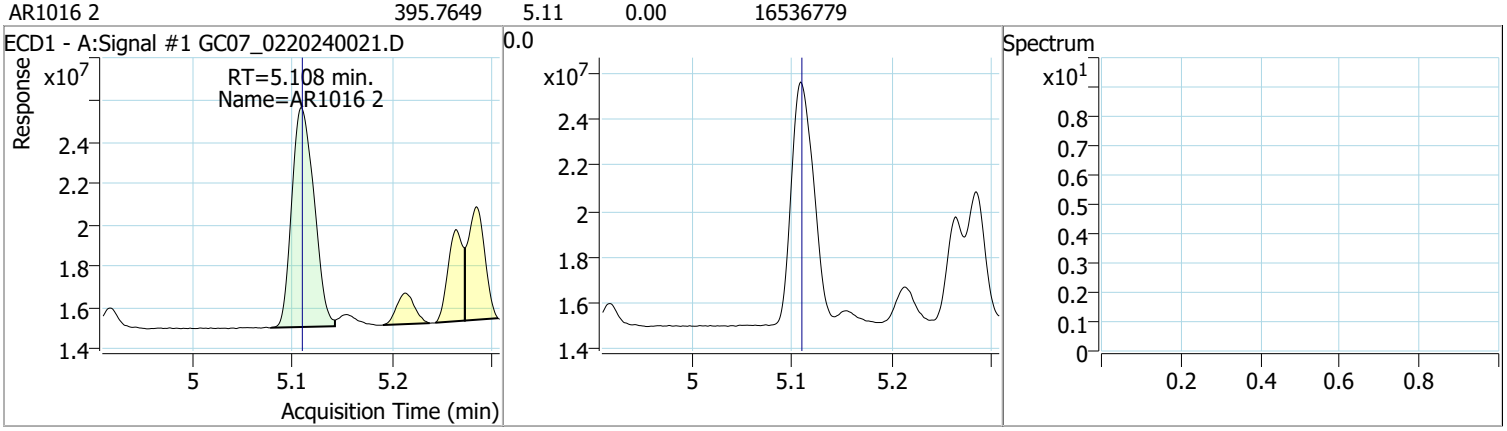

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 384.6507 | 4.81 | 0.00 | 9129684 | | | | |



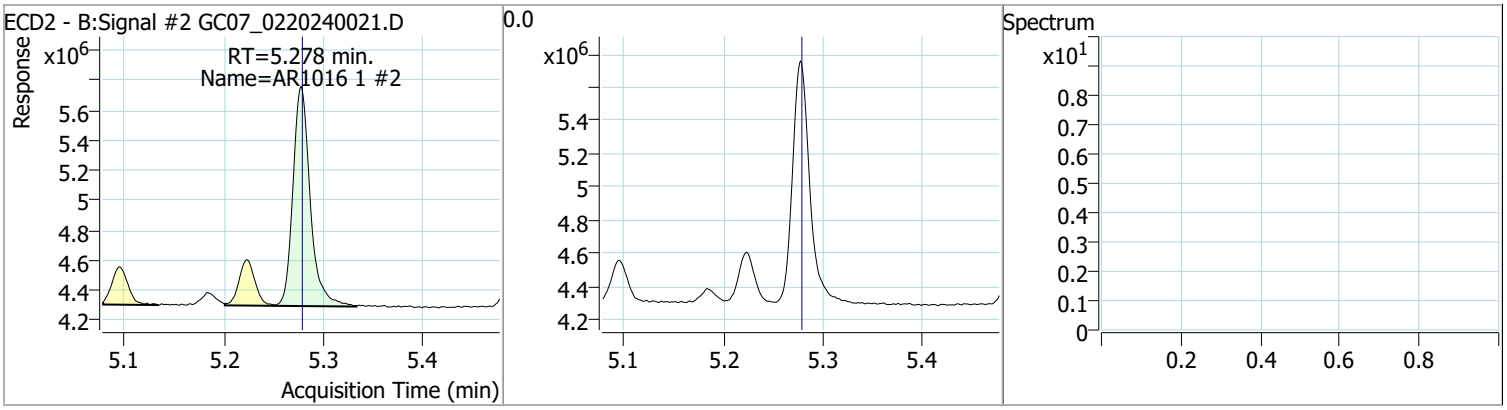

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 31.8855 | 4.84 | 0.00 | 6505027 | | | | |



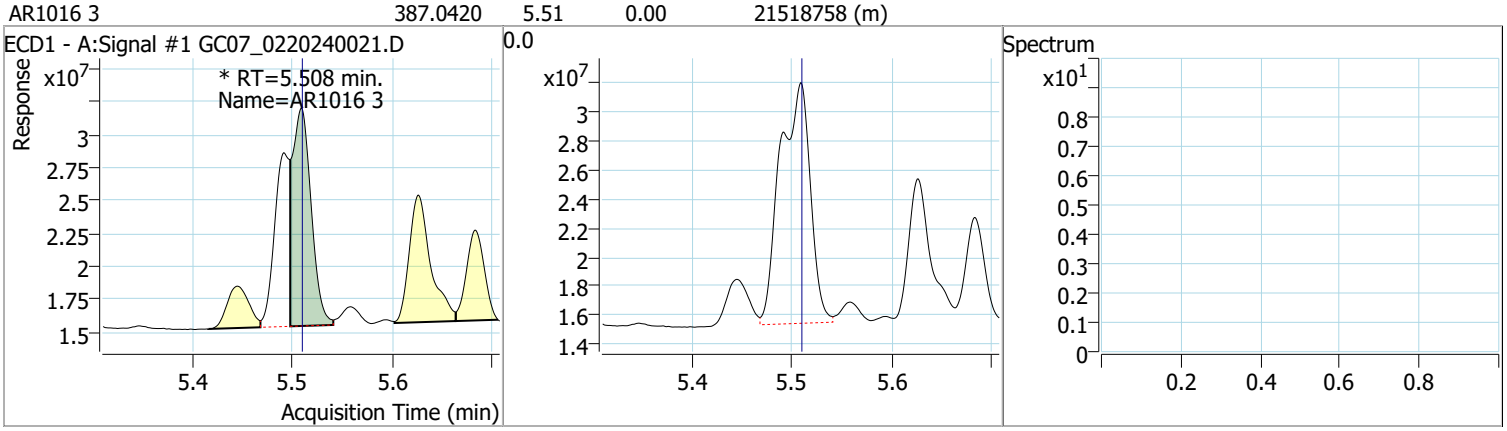

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 395.7649 | 5.11 | 0.00 | 16536779 | | | | |



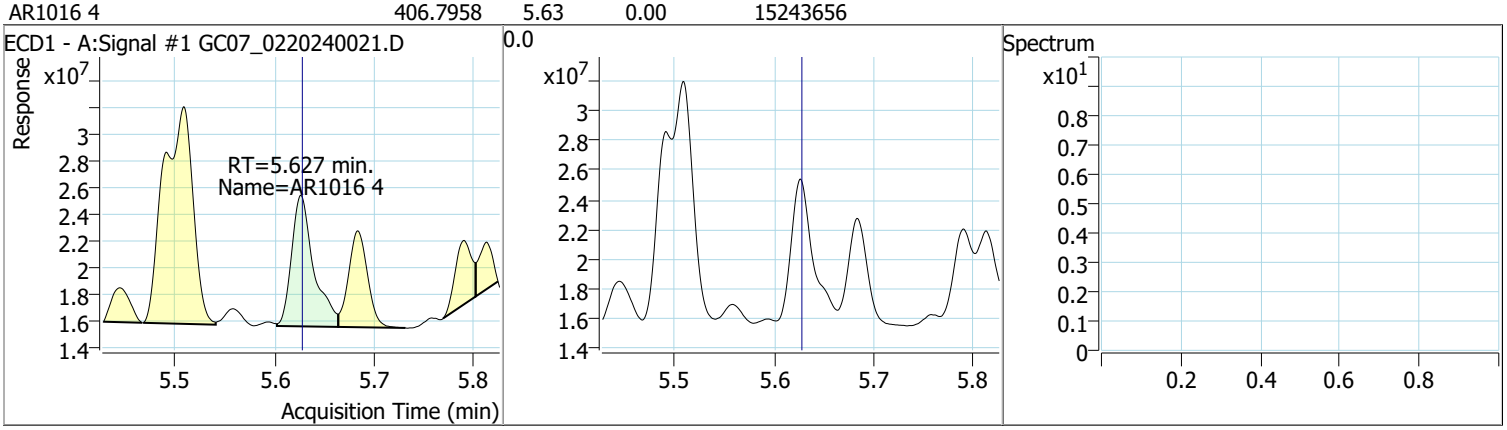
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 405.8327 | 5.28 | 0.00 | 1773076 | | | | |



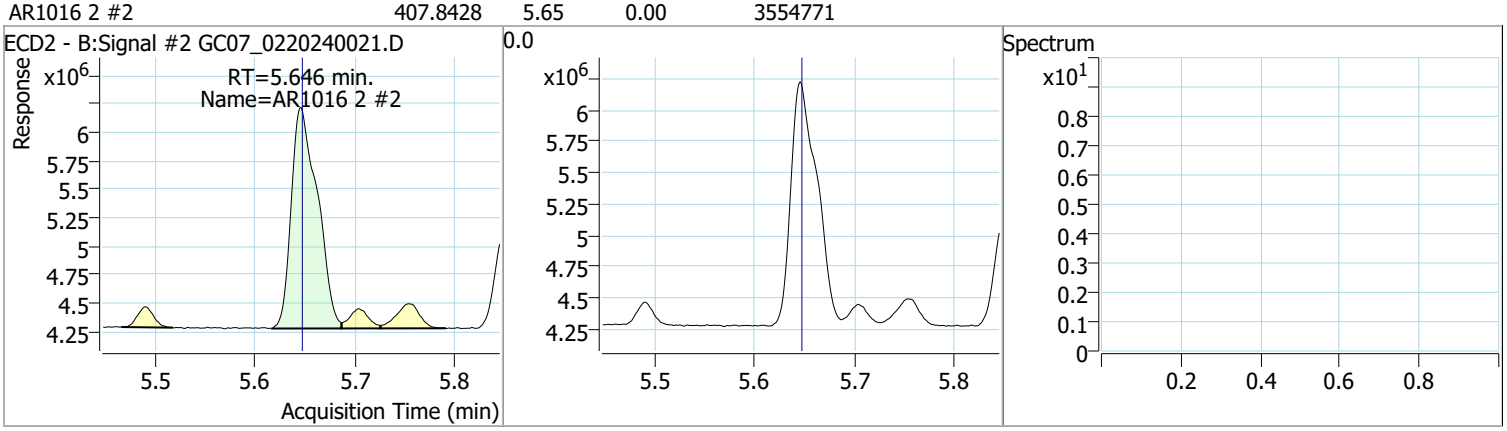

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 387.0420 | 5.51 | 0.00 | 21518758 (m) | | | | |



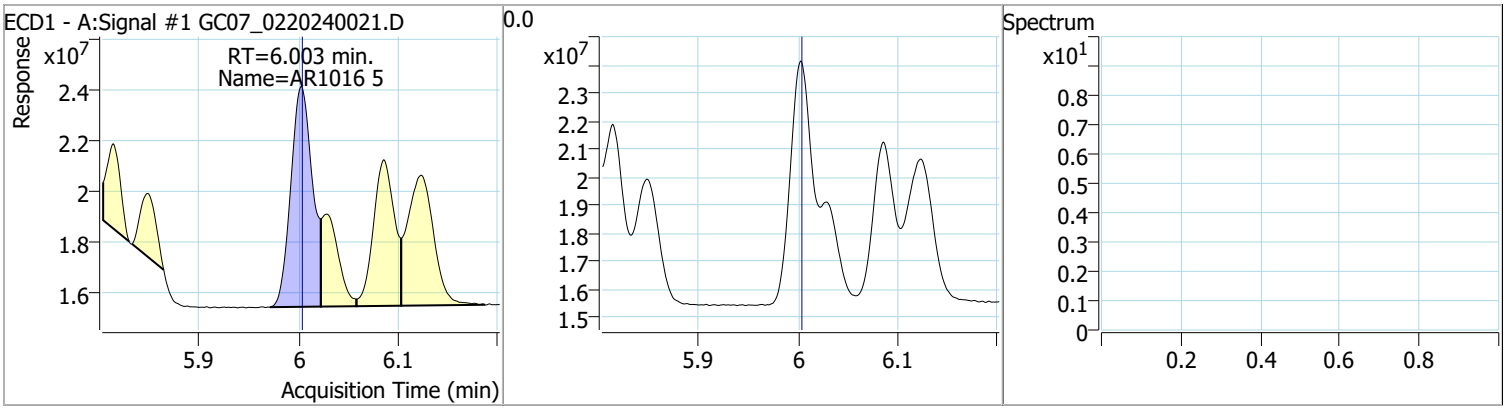

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 406.7958 | 5.63 | 0.00 | 15243656 | | | | |



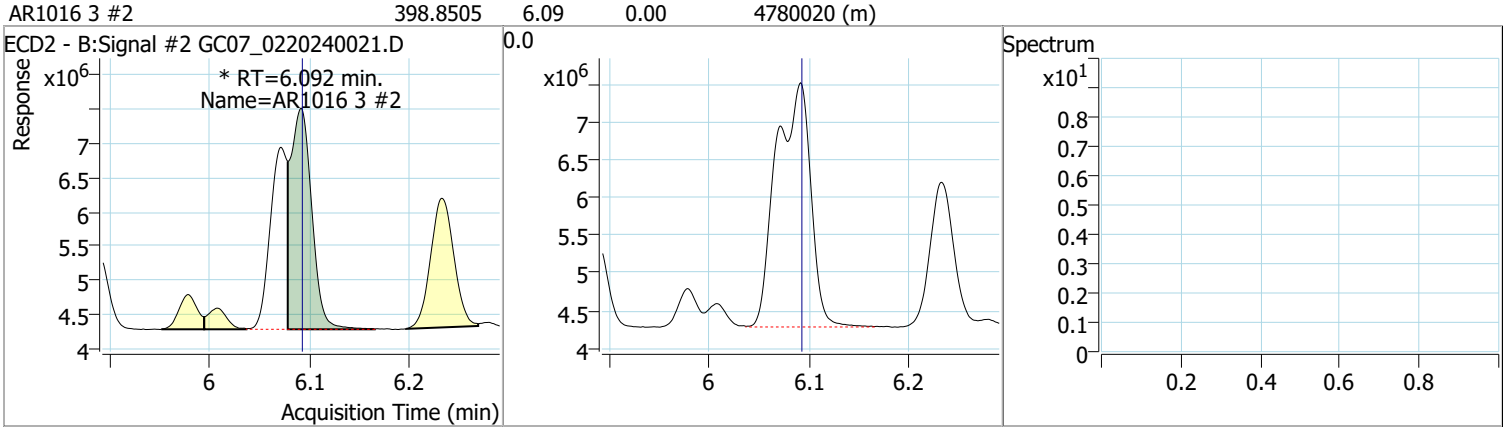

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 407.8428 | 5.65 | 0.00 | 3554771 | | | | |



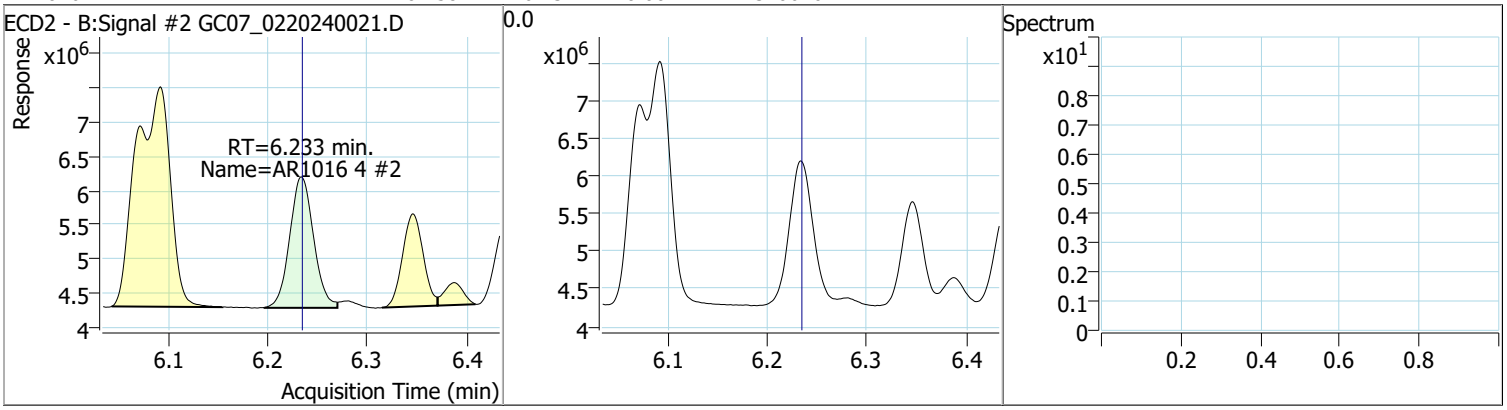
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 395.0390 | 6.00 | 0.00 | 13109927 | | | | |



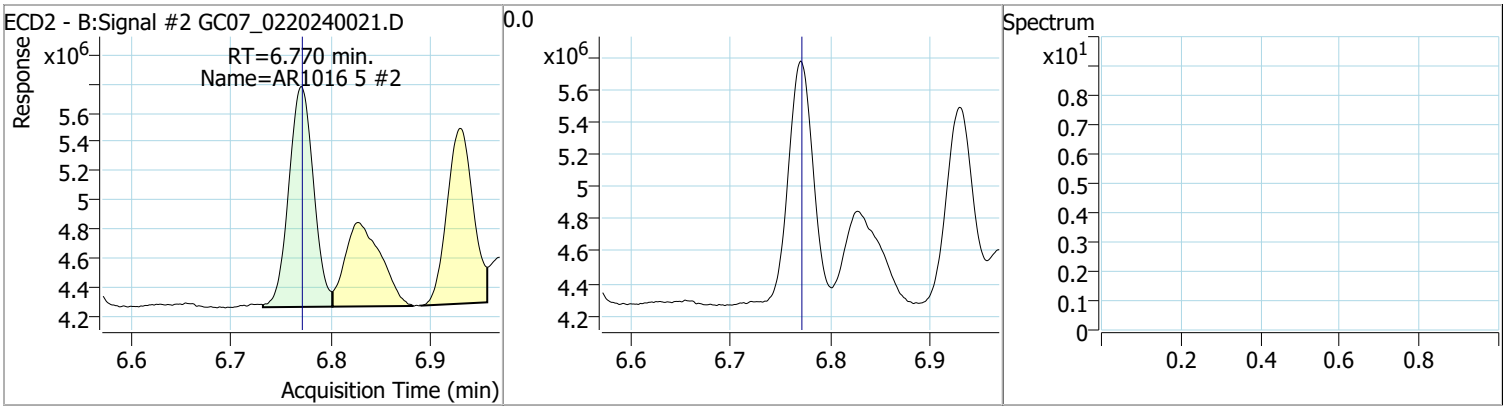

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 398.8505 | 6.09 | 0.00 | 4780020 (m) | | | | |



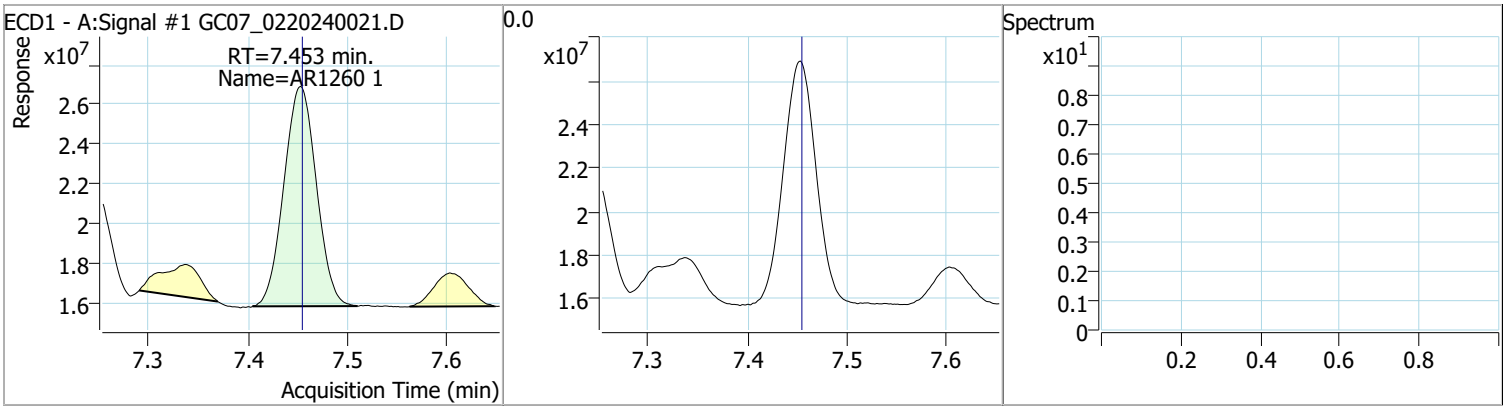

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 404.5822 | 6.23 | 0.00 | 3206462 | | | | |



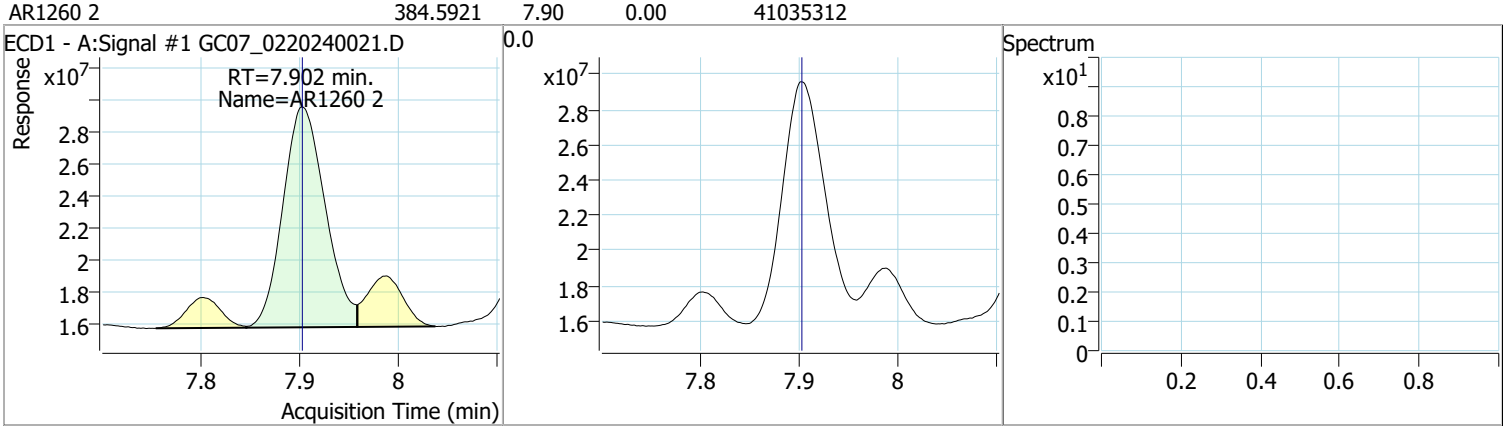

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 409.0610 | 6.77 | 0.00 | 2615618 | | | | |



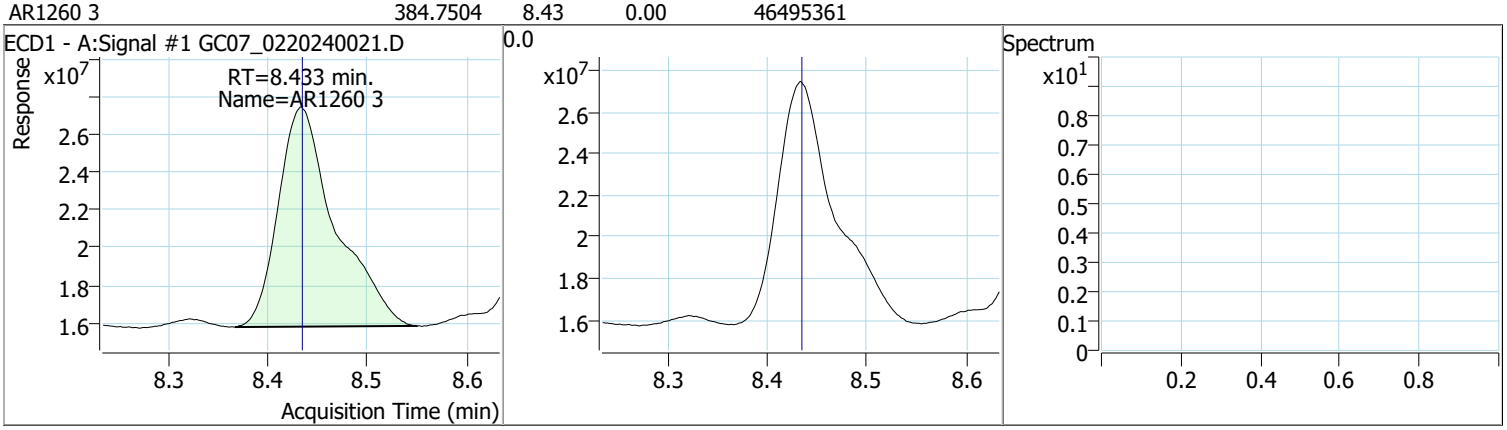
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 380.1890 | 7.45 | 0.00 | 25300368 | | | | |



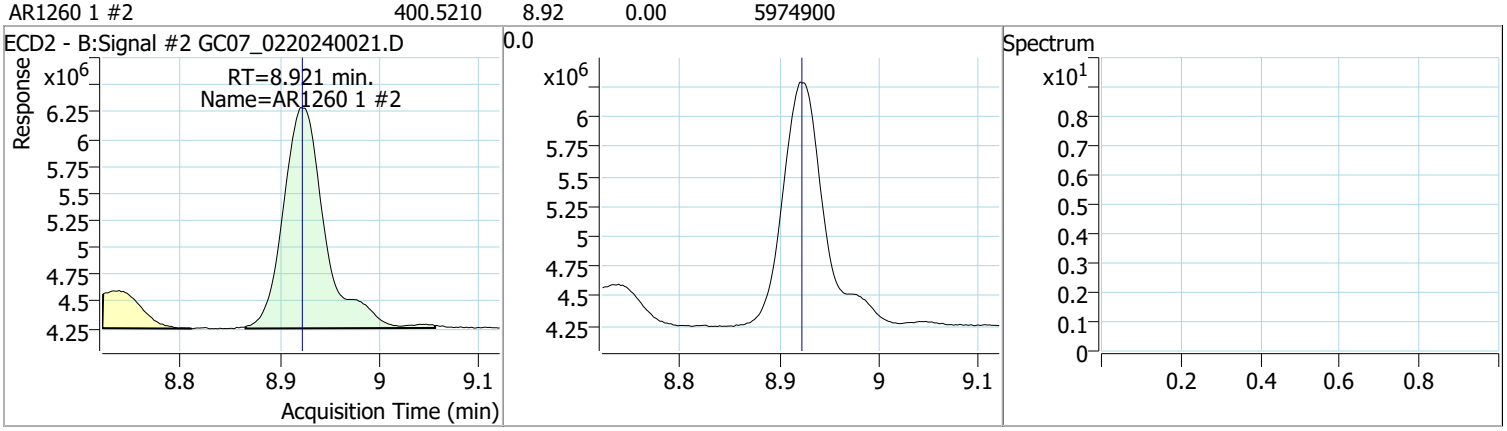

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 384.5921 | 7.90 | 0.00 | 41035312 | | | | |



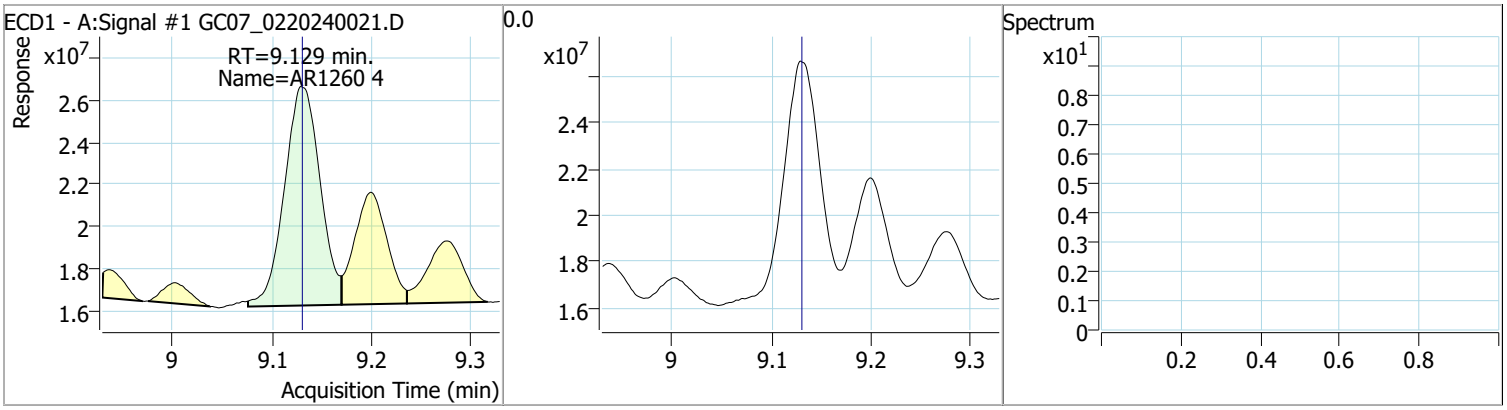

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 384.7504 | 8.43 | 0.00 | 46495361 | | | | |



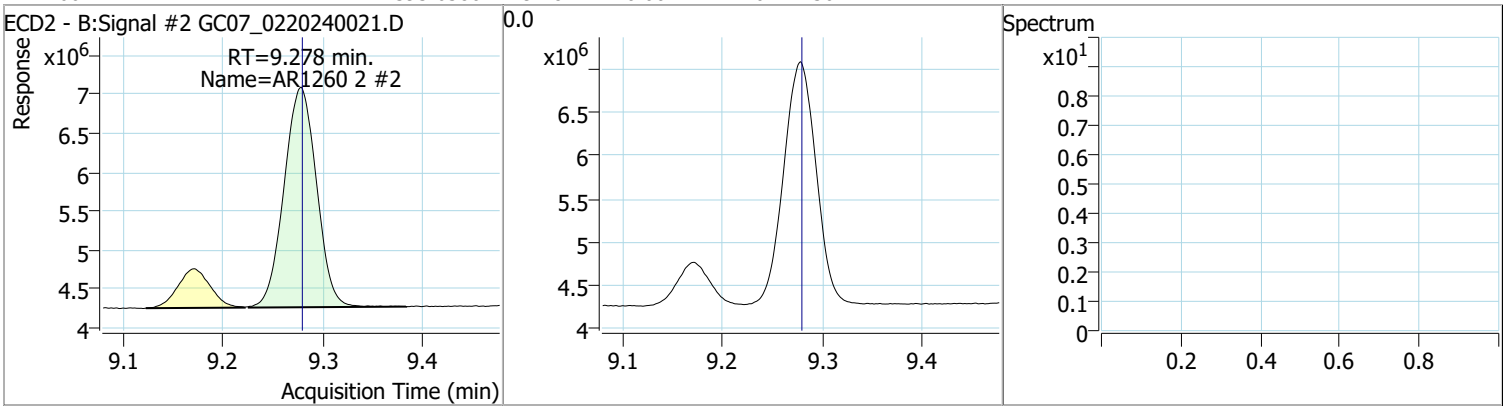

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 400.5210 | 8.92 | 0.00 | 5974900 | | | | |



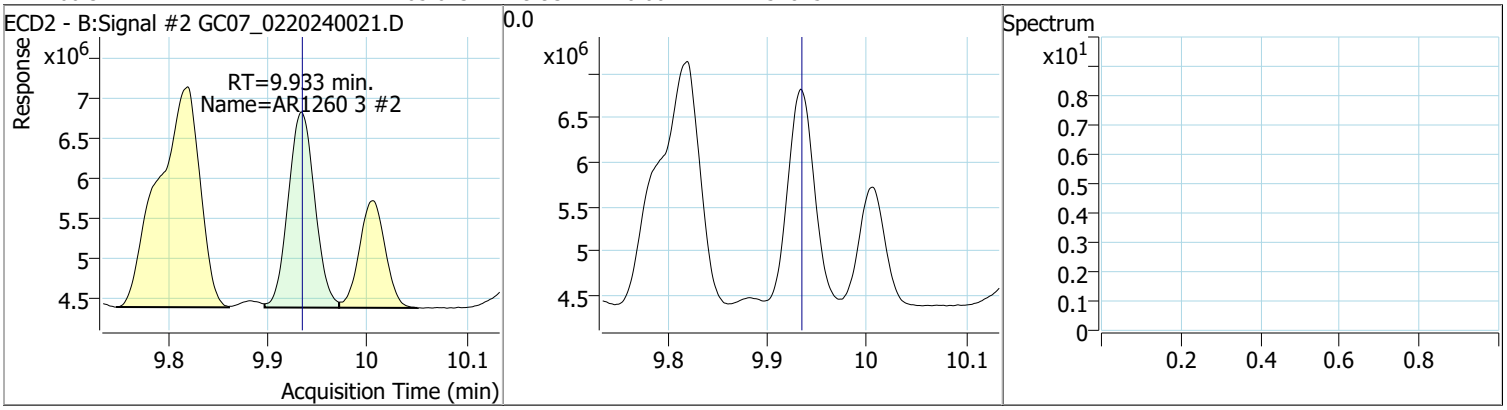
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 397.5226 | 9.13 | 0.00 | 26213190 | | | | |



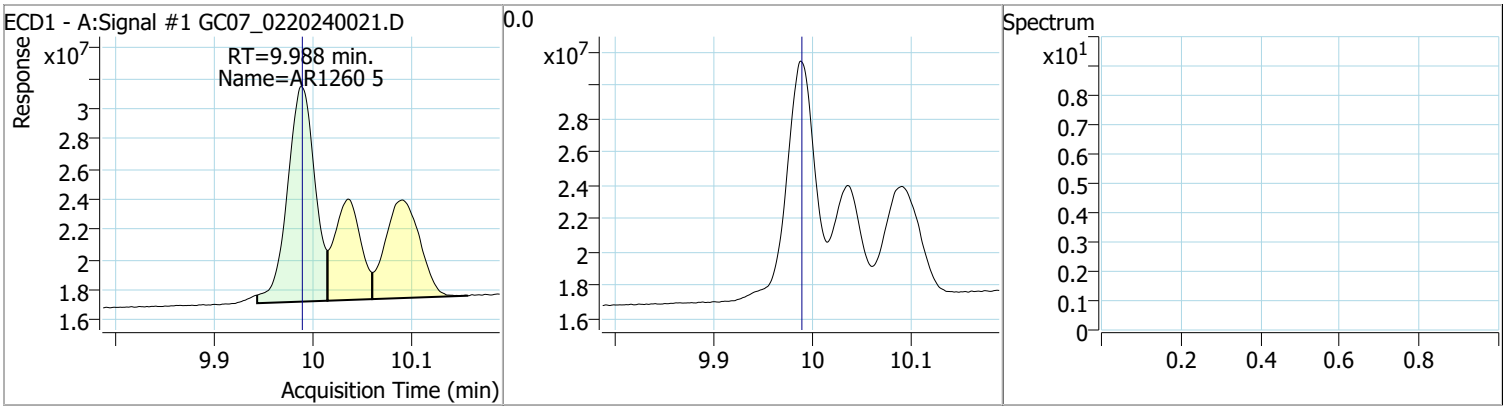

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 393.6380 | 9.28 | 0.00 | 6421730 | | | | |



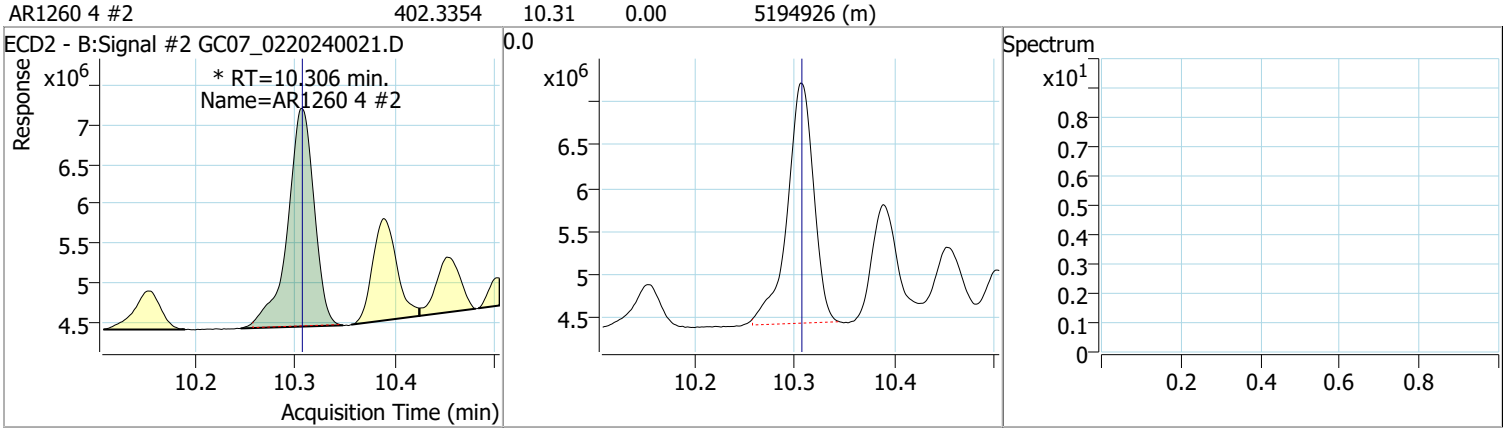

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 405.0434 | 9.93 | 0.00 | 4548251 | | | | |



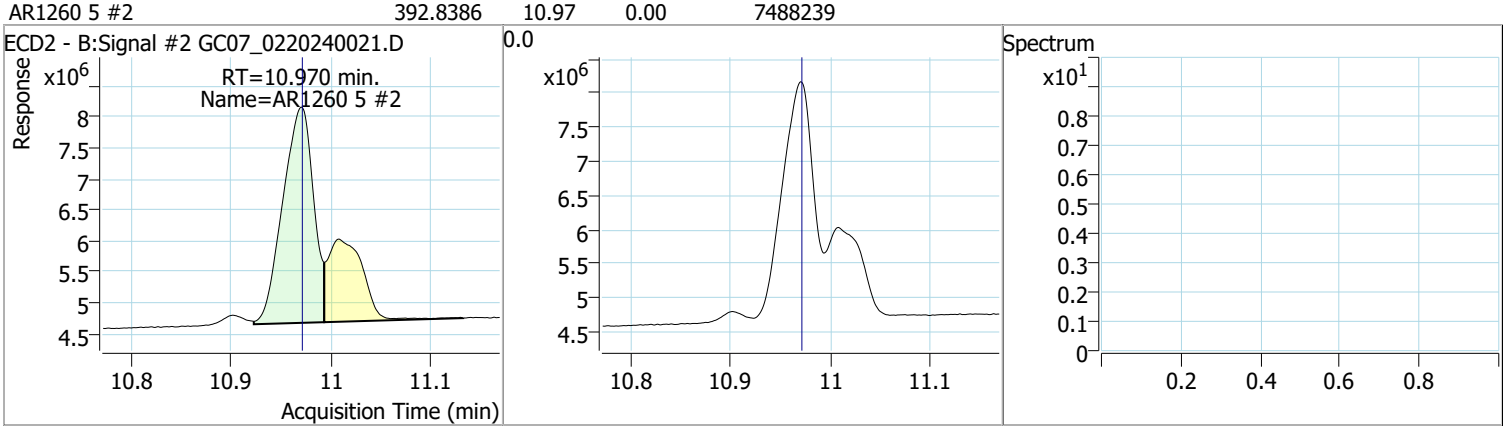

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 394.8714 | 9.99 | 0.00 | 27450586 | | | | |



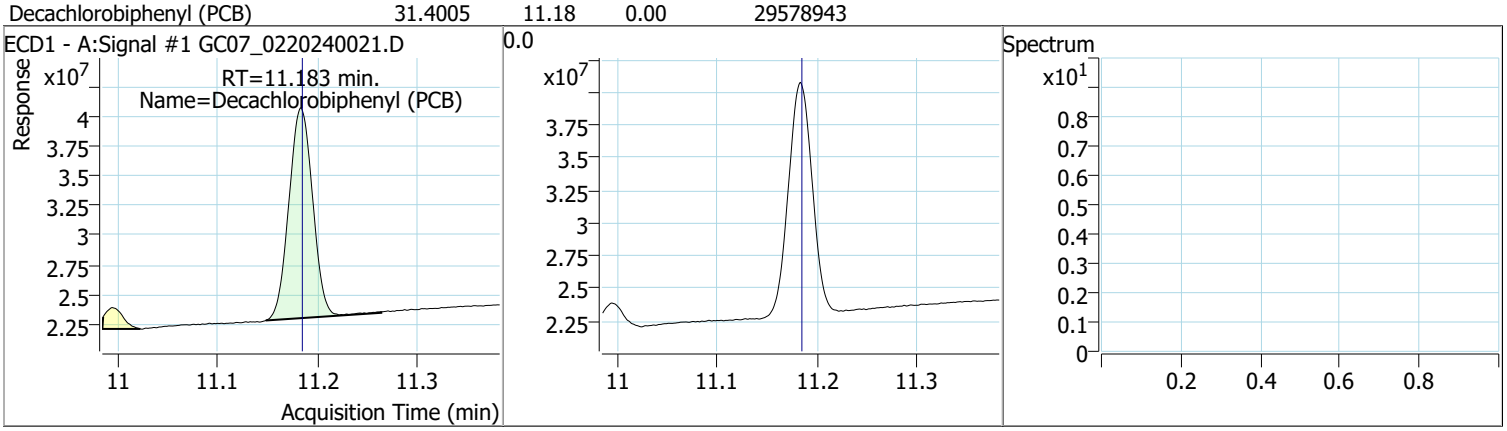
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 402.3354 | 10.31 | 0.00 | 5194926 (m) | | | | |



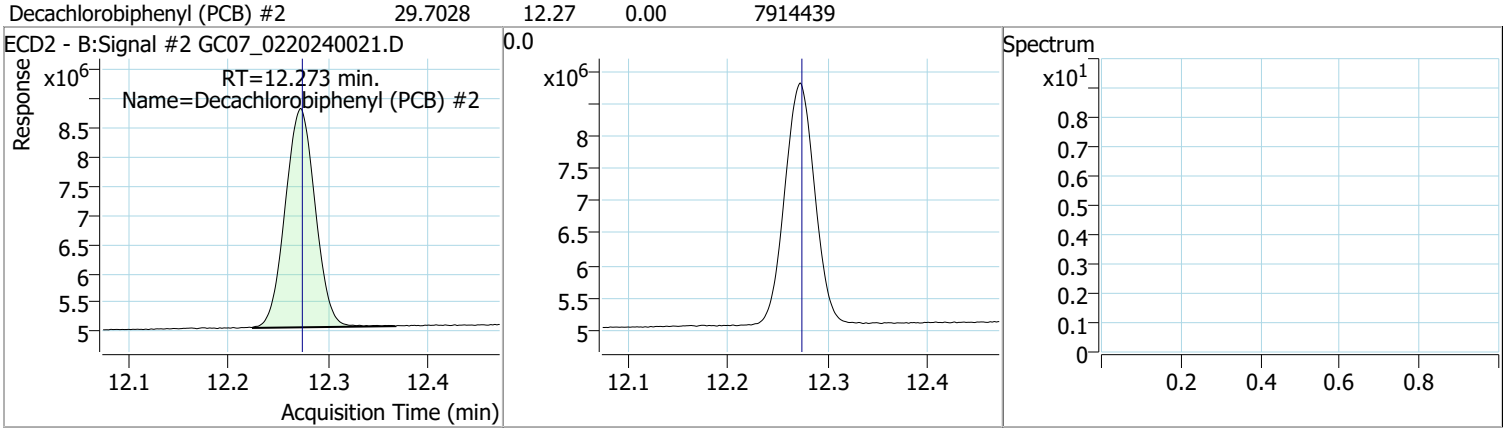

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 392.8386 | 10.97 | 0.00 | 7488239 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 31.4005 | 11.18 | 0.00 | 29578943 | | | | |

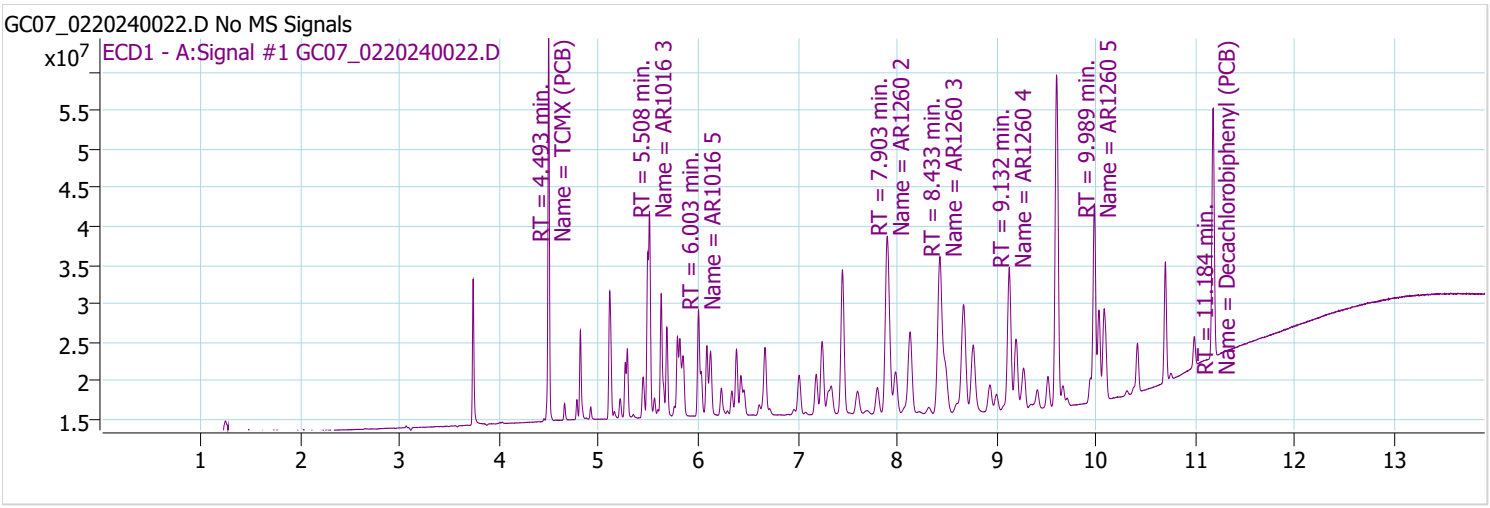


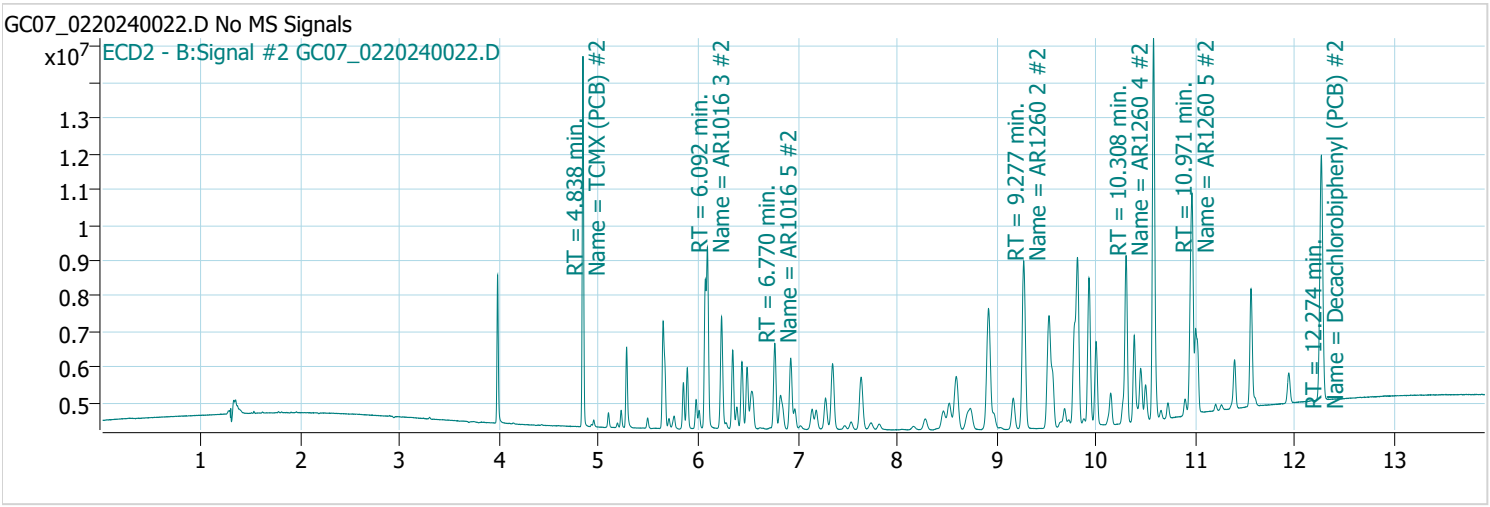

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 29.7028 | 12.27 | 0.00 | 7914439 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240022.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 3:16:32 PM |
| Sample Name | ICAL, S19336 | Instrument | SVOA-GC07 |
| Vial | 136 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 750 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



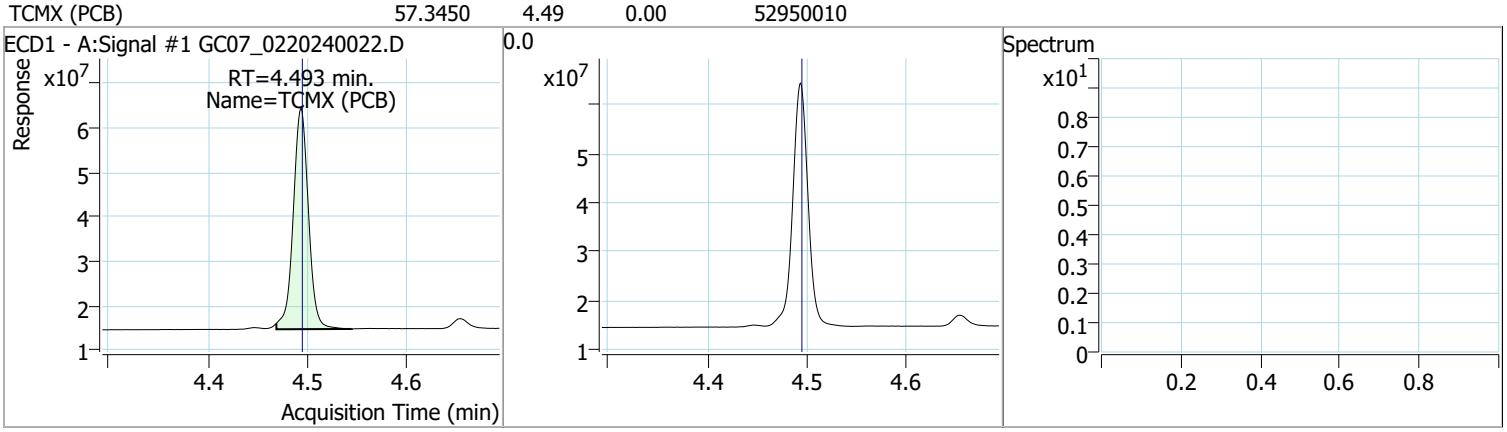




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.732 | 0.0 | 20311388.834 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.979 | 0.0 | 3992870.301 | 20.0000 | ng/ml | | 0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 52950010.480 | 57.3450 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 286.72% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 10486037.530 | 60.2570 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 301.29% | | * | |
| S Decachlorobiphenyl (PCB) | 11.184 | 0.0 | 53966628.118 | 66.4935 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 332.47% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.274 | 0.0 | 14540069.331 | 63.9728 | ng/ml | | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 319.86% | | * | |
| **Target Compounds** | | | | | | | QValue |

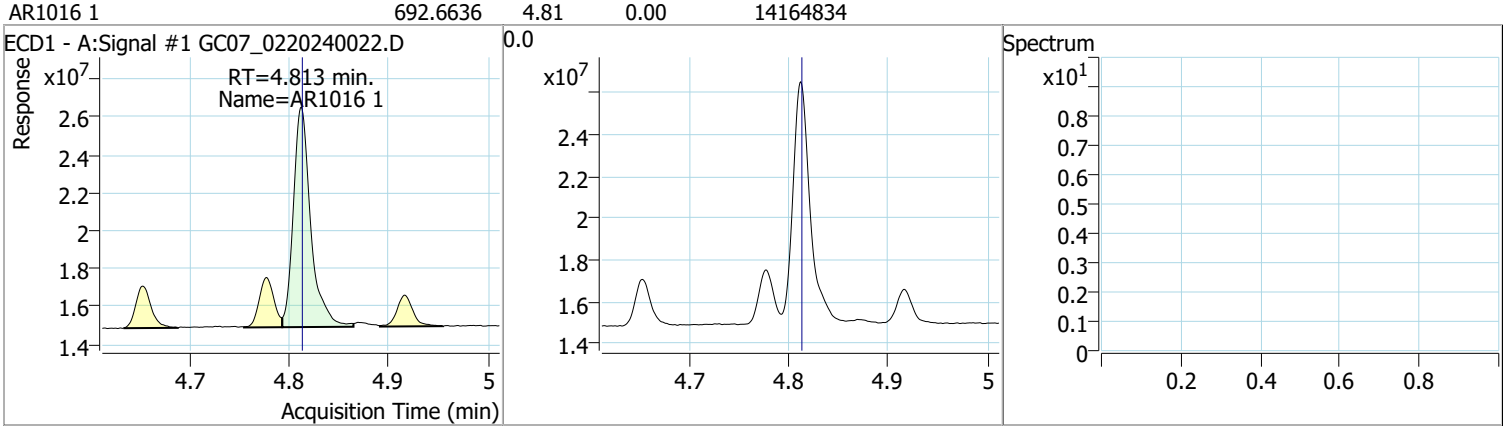
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.813 | 0.0 | 14164834.040 | 692.6636 | ng/ml | | 100 |
| T AR1016 2 | 5.108 | 0.0 | 25602633.125 | 711.1660 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 2788563.776 | 748.2588 | ng/ml | | 100 |
| T AR1016 3 | 5.508 | 0.0 | 34762691.222 | 725.6953 | ng/ml | m | 100 |
| T AR1016 4 | 5.627 | 0.0 | 23453854.161 | 726.4432 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.646 | 0.0 | 5612102.198 | 754.8460 | ng/ml | | 100 |
| T AR1016 5 | 6.003 | 0.0 | 20334296.285 | 711.1626 | ng/ml | m | 100 |
| T AR1016 3 #2 | 6.092 | 0.0 | 7556051.227 | 739.1406 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.234 | 0.0 | 5100200.827 | 754.4310 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.770 | 0.0 | 4191876.527 | 768.5532 | ng/ml | | 100 |
| T AR1260 1 | 7.451 | 0.0 | 42292899.258 | 737.6329 | ng/ml | | 100 |
| T AR1260 2 | 7.903 | 0.0 | 68871713.441 | 749.1755 | ng/ml | | 100 |
| T AR1260 3 | 8.433 | 0.0 | 78933887.850 | 758.1114 | ng/ml | m | 100 |
| T AR1260 1 #2 | 8.923 | 0.0 | 10059405.926 | 790.5306 | ng/ml | | 100 |
| T AR1260 4 | 9.132 | 0.0 | 45233475.554 | 796.1630 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.277 | 0.0 | 10844406.523 | 779.2960 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.934 | 0.0 | 7856812.705 | 820.2670 | ng/ml | | 100 |
| T AR1260 5 | 9.989 | 0.0 | 53926042.397 | 900.3320 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 9038732.850 | 820.6692 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.971 | 0.0 | 13574881.241 | 834.8764 | ng/ml | | 100 |

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

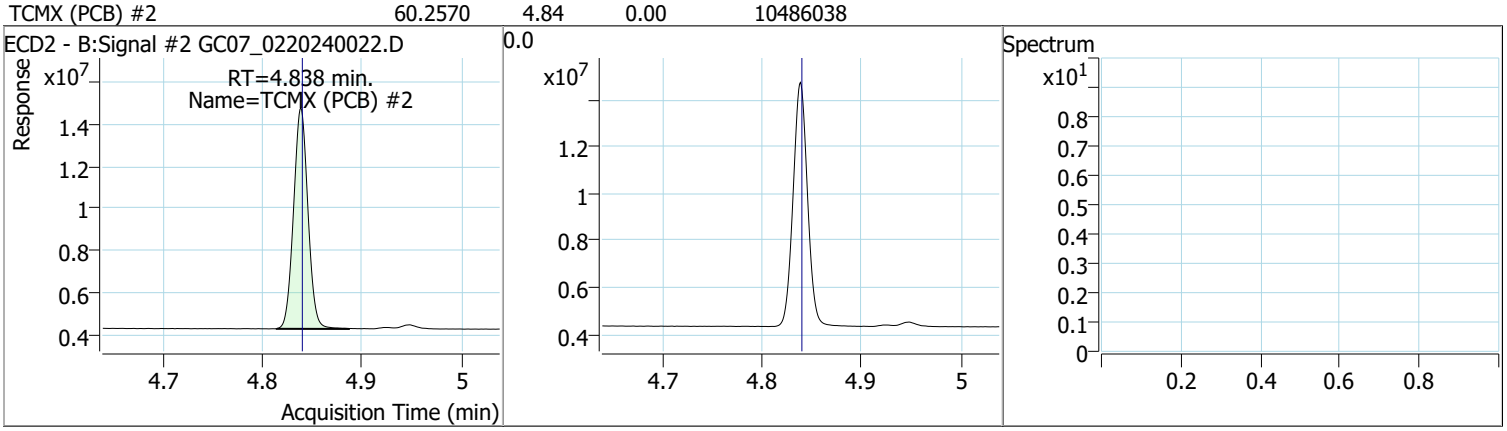
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 57.3450 | 4.49 | 0.00 | 52950010 | | | | |



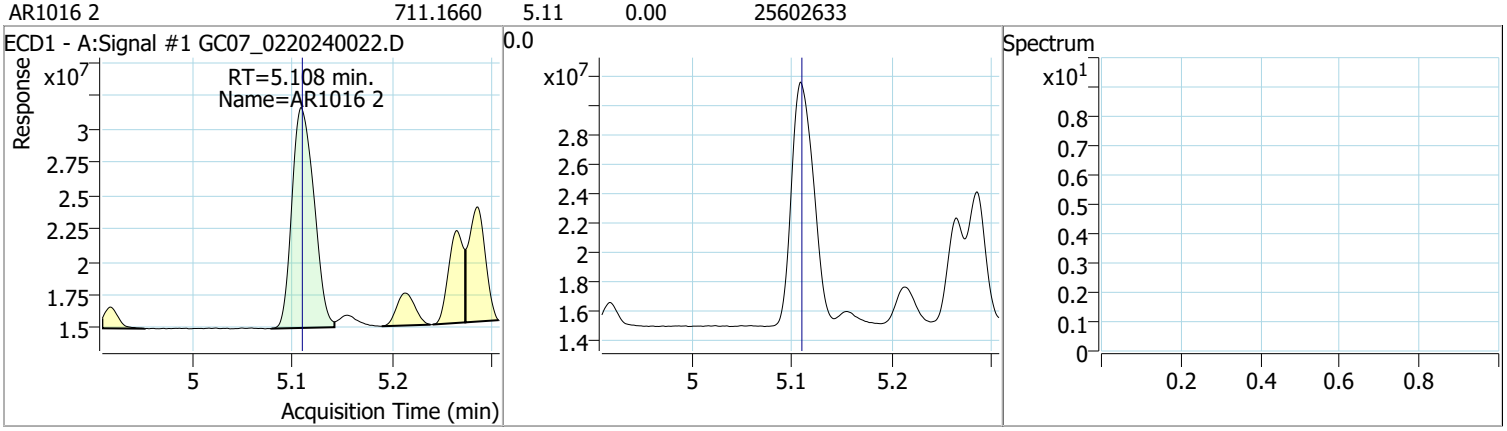

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 692.6636 | 4.81 | 0.00 | 14164834 | | | | |



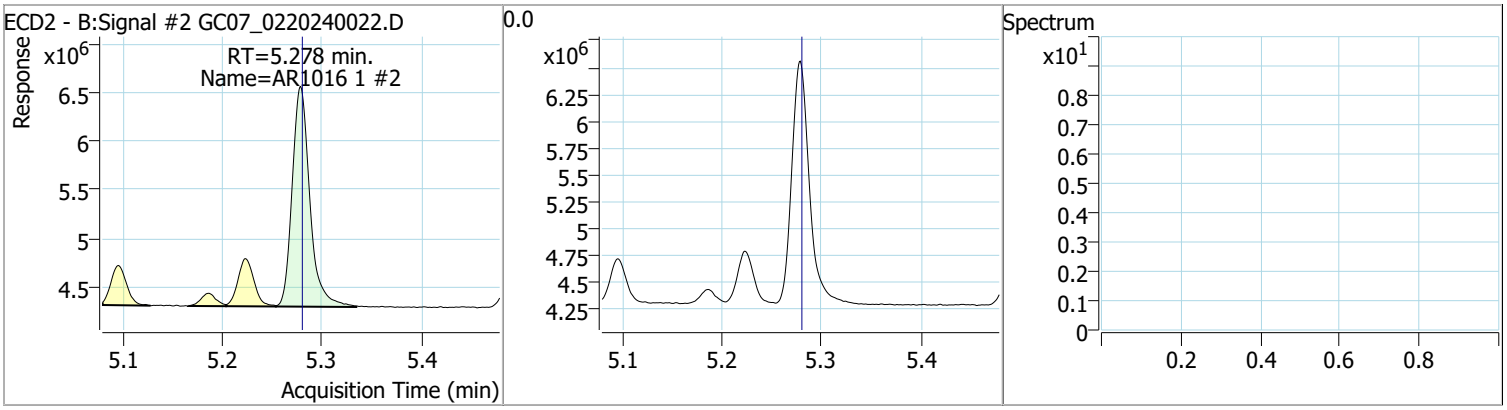

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 60.2570 | 4.84 | 0.00 | 10486038 | | | | |



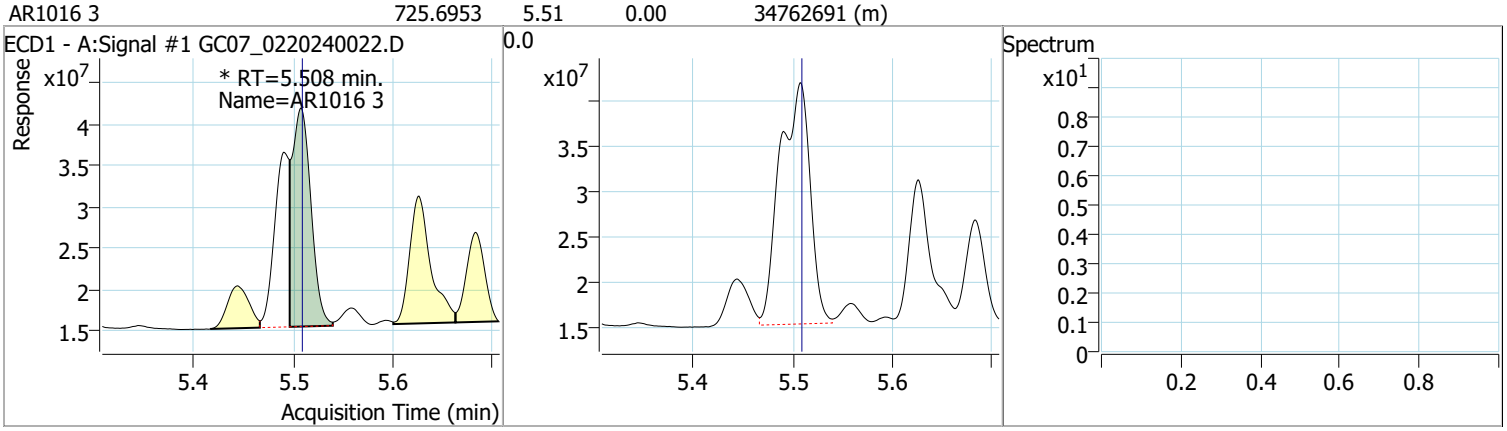

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 711.1660 | 5.11 | 0.00 | 25602633 | | | | |



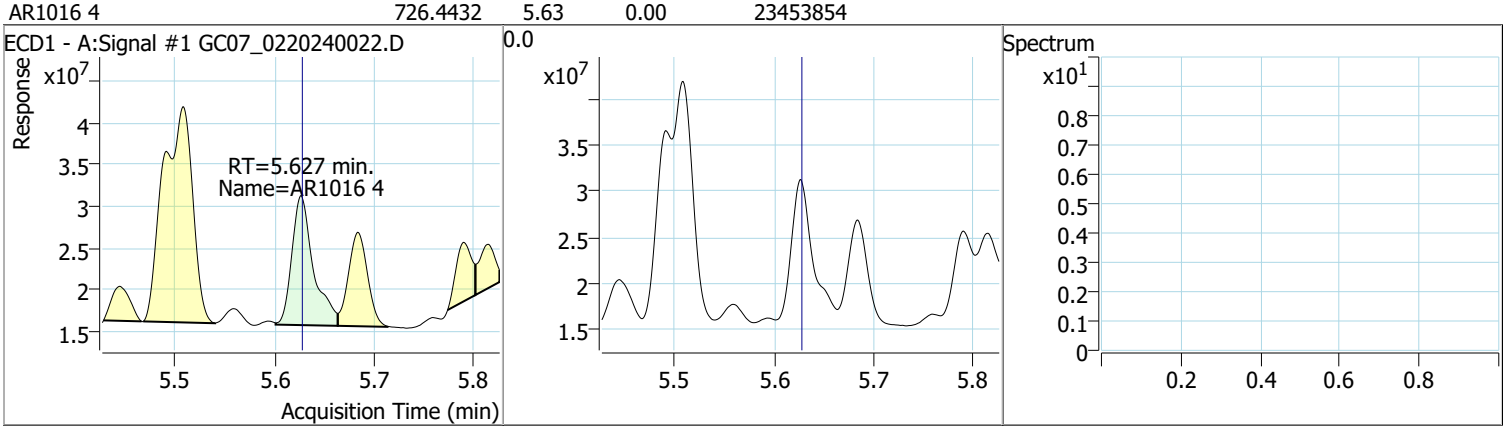
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 748.2588 | 5.28 | 0.00 | 2788564 | | | | |



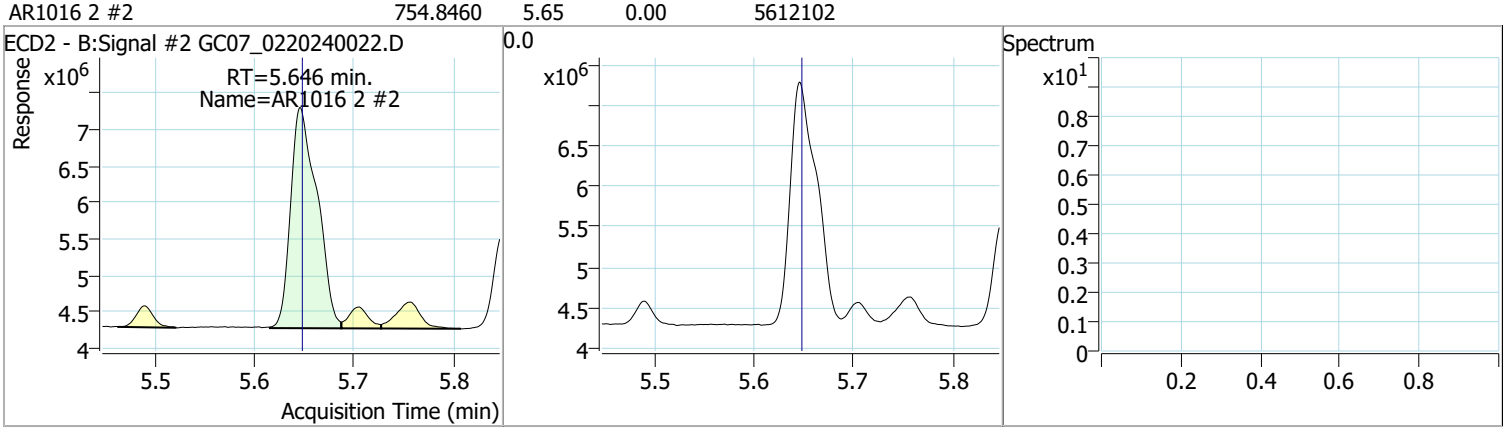

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 725.6953 | 5.51 | 0.00 | 34762691 (m) | | | | |



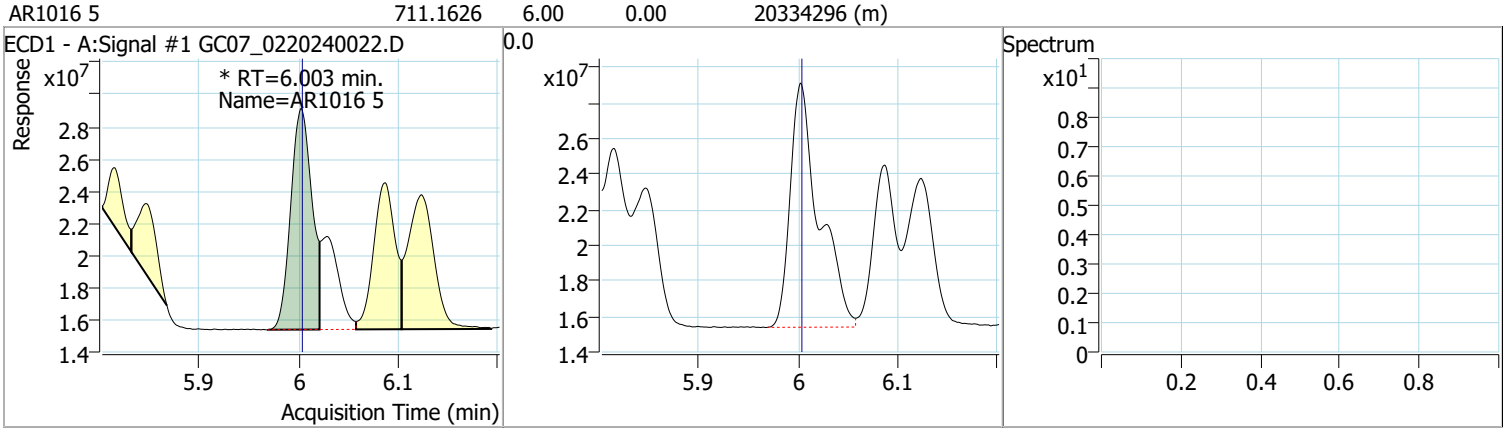

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 726.4432 | 5.63 | 0.00 | 23453854 | | | | |



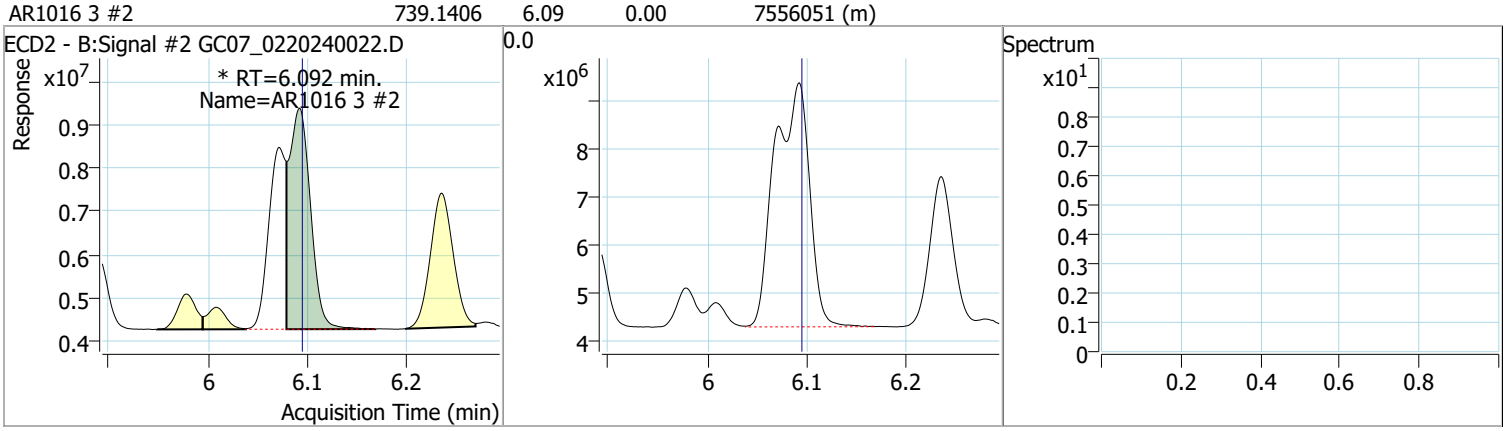

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 754.8460 | 5.65 | 0.00 | 5612102 | | | | |



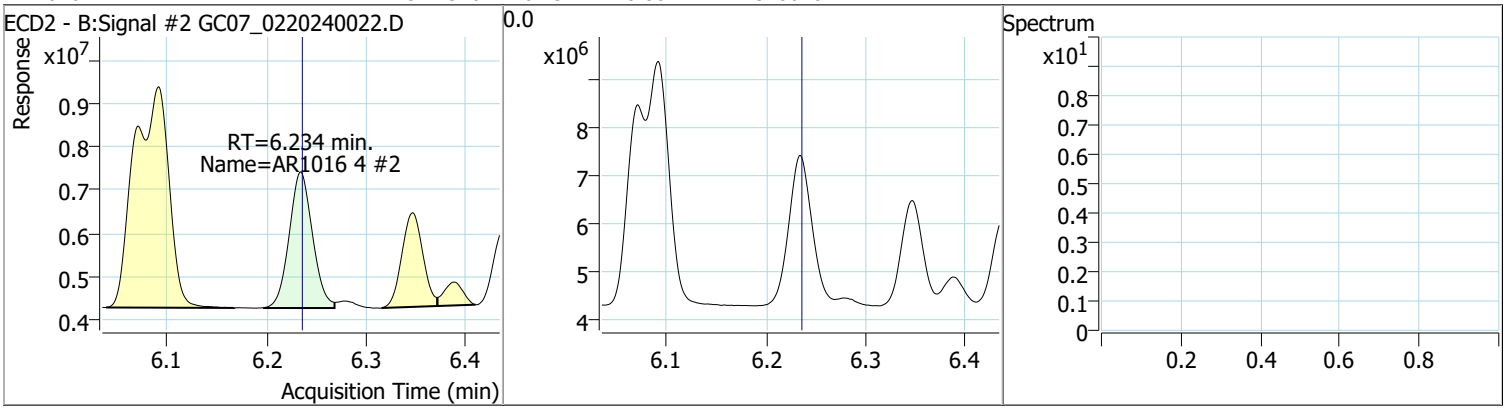
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 711.1626 | 6.00 | 0.00 | 20334296 (m) | | | | |



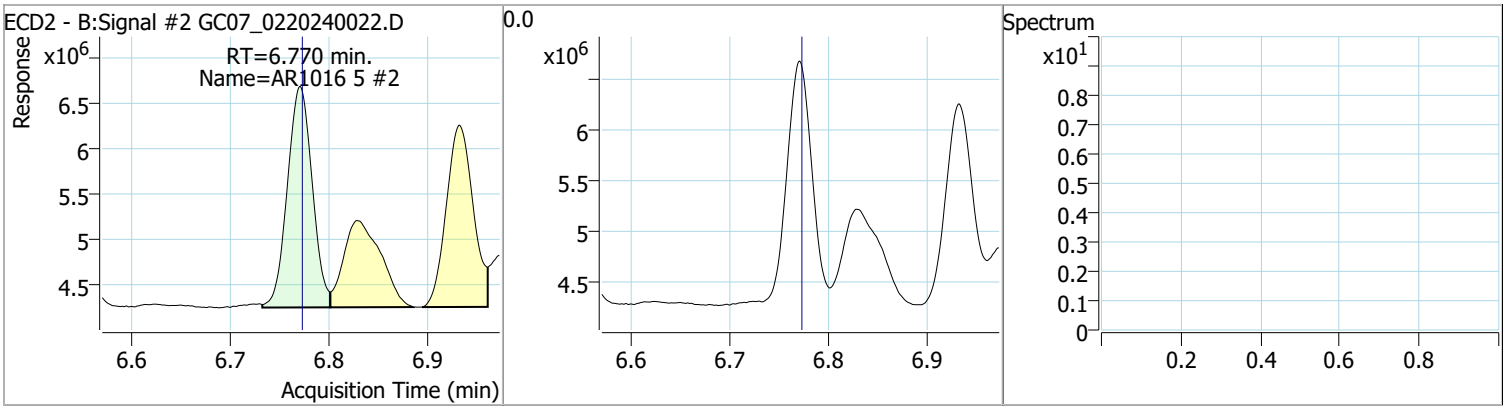

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 739.1406 | 6.09 | 0.00 | 7556051 (m) | | | | |



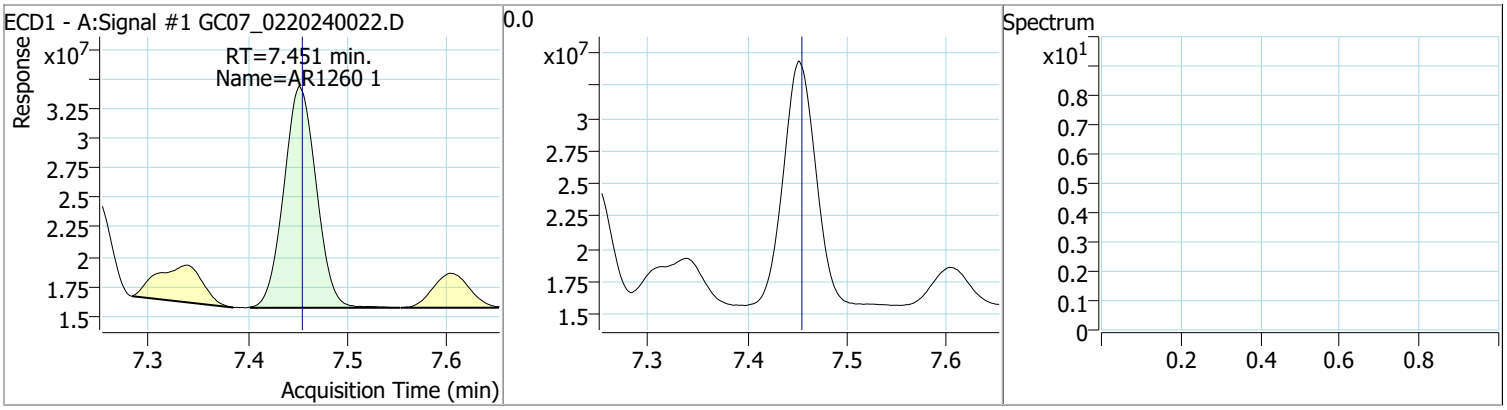

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 754.4310 | 6.23 | 0.00 | 5100201 | | | | |



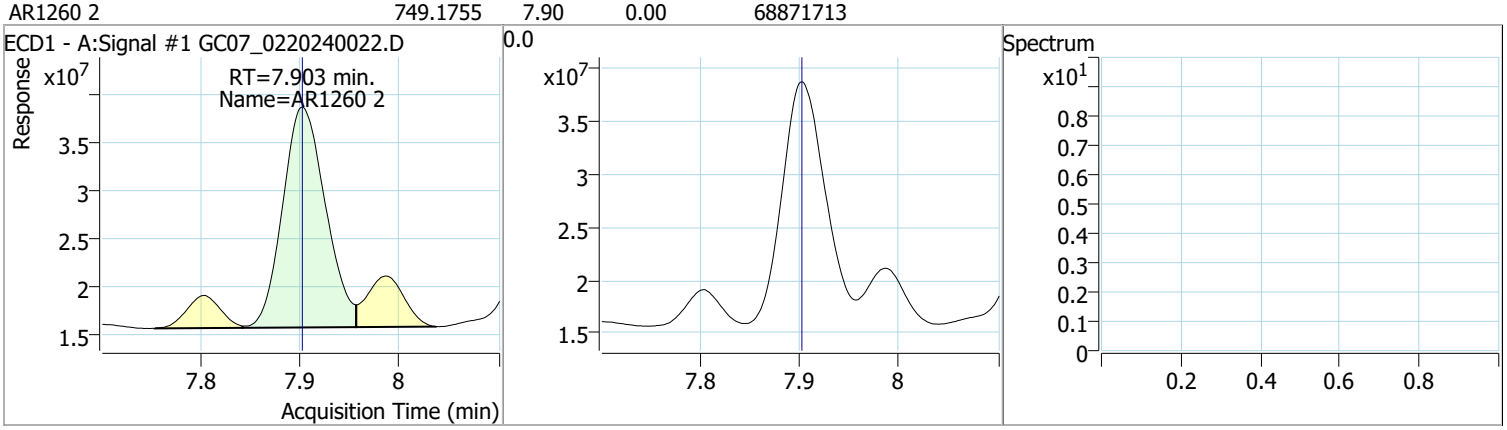

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 768.5532 | 6.77 | 0.00 | 4191877 | | | | |



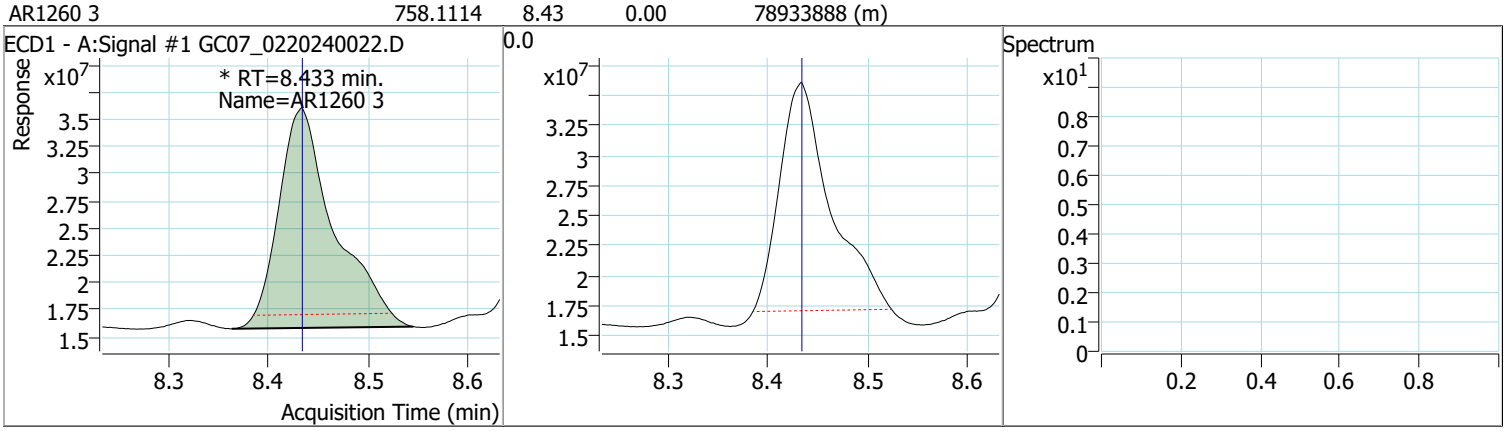
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 737.6329 | 7.45 | 0.00 | 42292899 | | | | |



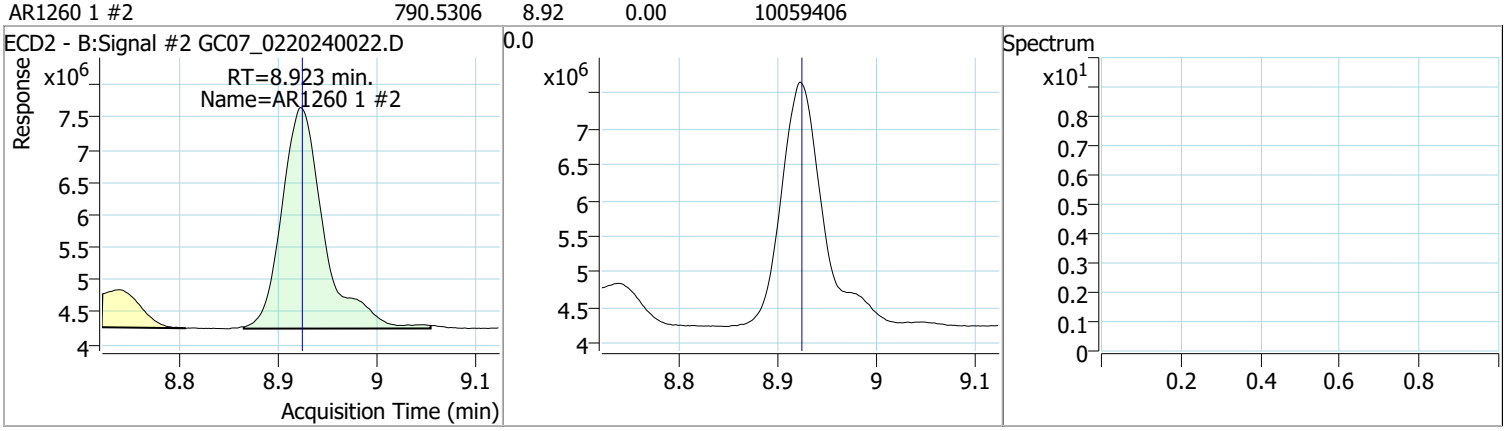

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 749.1755 | 7.90 | 0.00 | 68871713 | | | | |



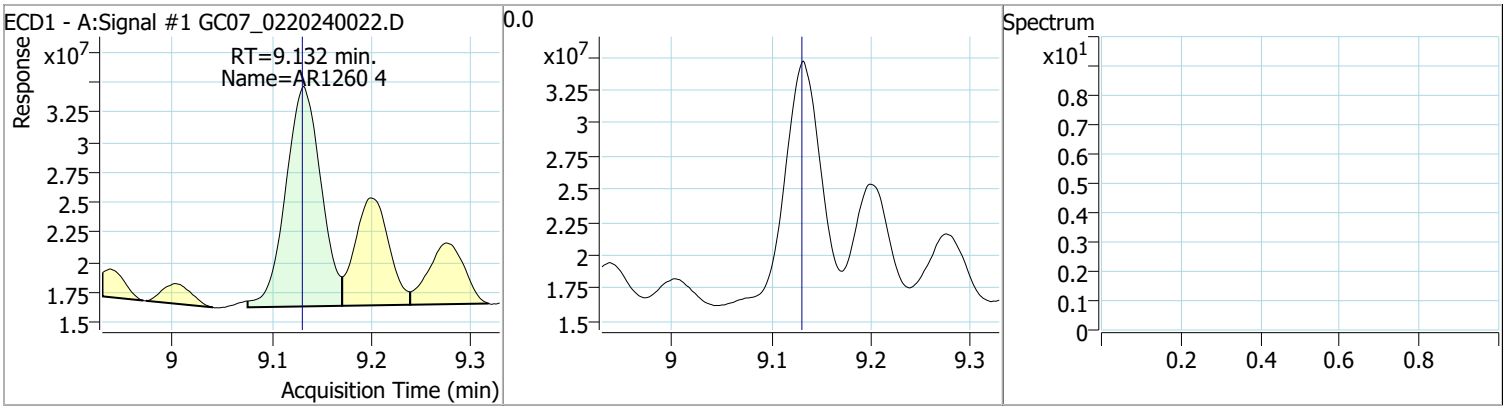

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 758.1114 | 8.43 | 0.00 | 78933888 (m) | | | | |



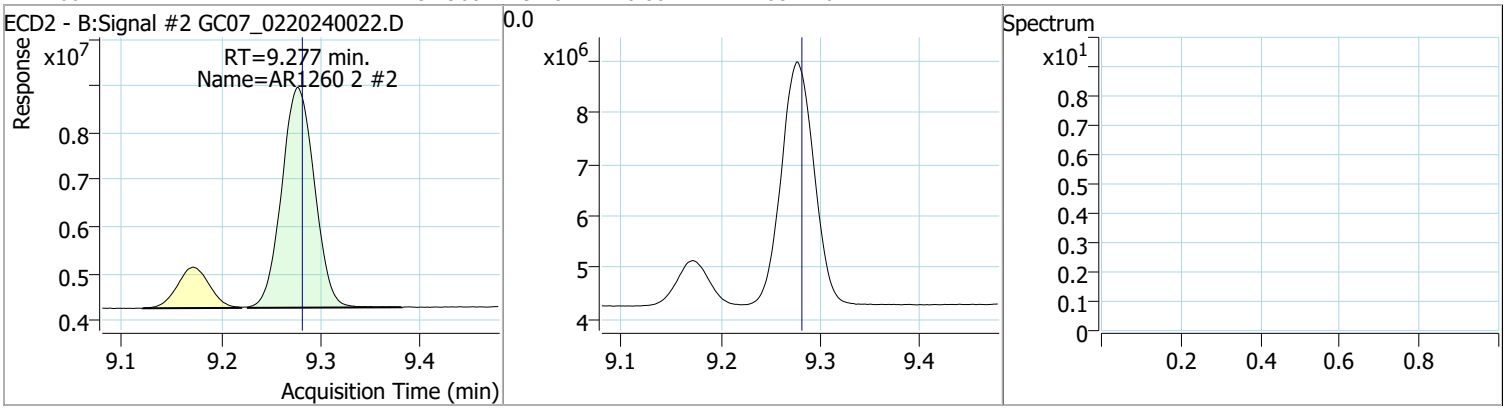

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 790.5306 | 8.92 | 0.00 | 10059406 | | | | |



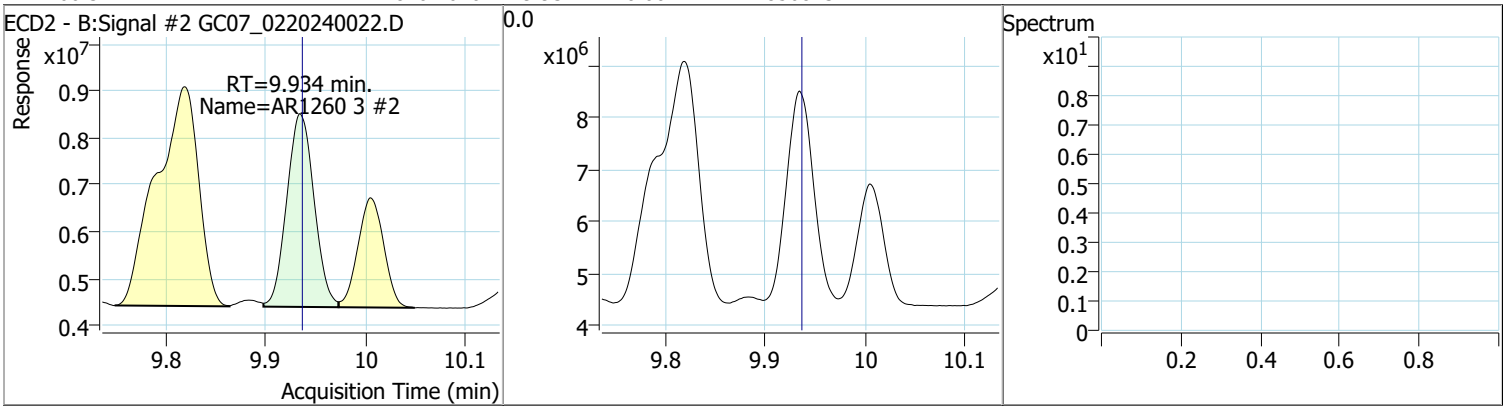
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 796.1630 | 9.13 | 0.00 | 45233476 | | | | |



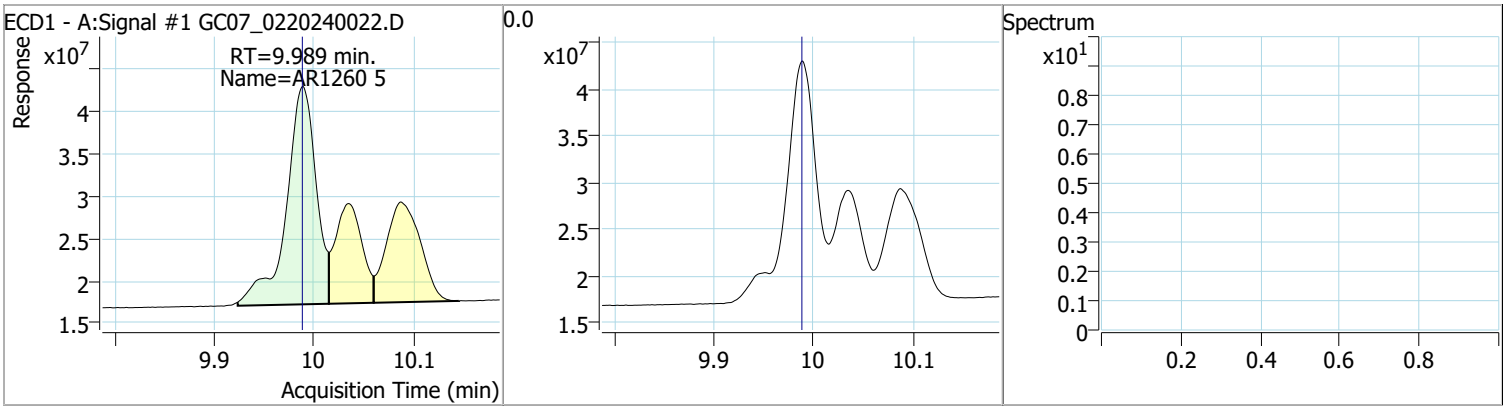

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 779.2960 | 9.28 | 0.00 | 10844407 | | | | |



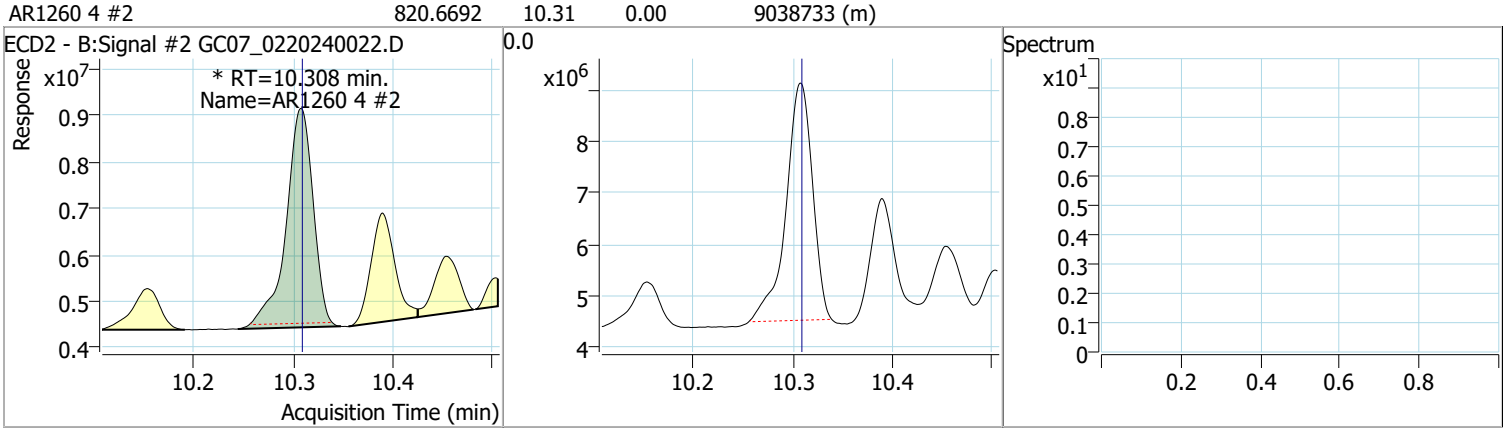

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 820.2670 | 9.93 | 0.00 | 7856813 | | | | |



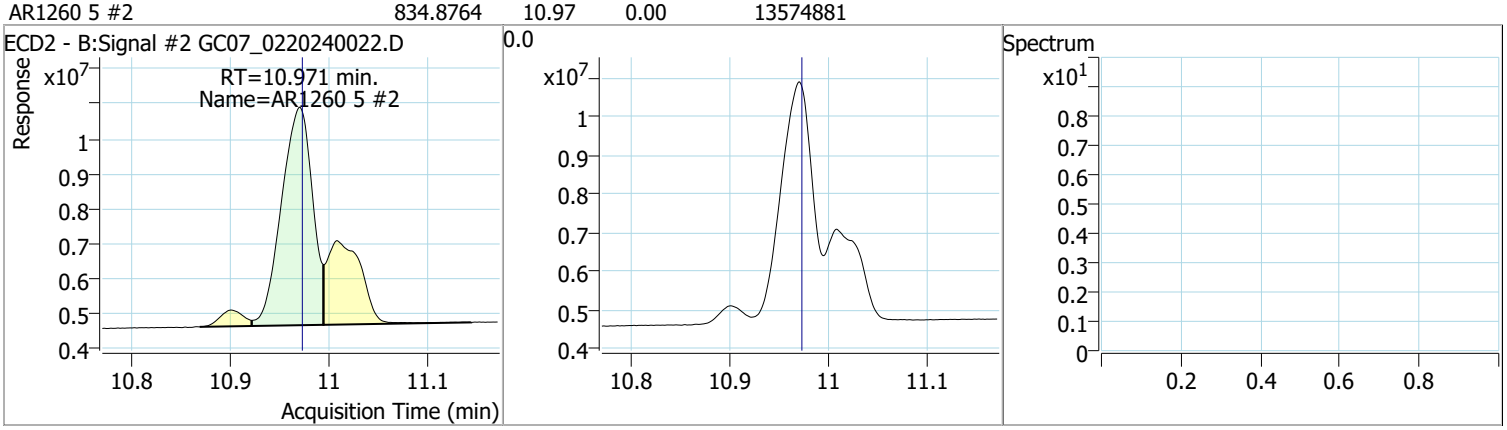

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 900.3320 | 9.99 | 0.00 | 53926042 | | | | |



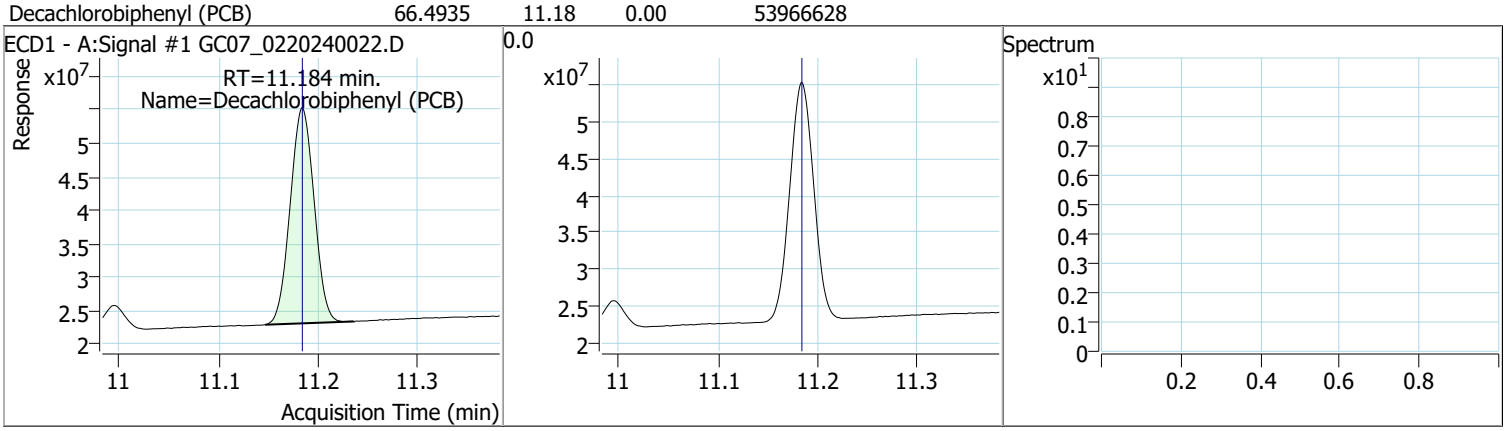
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 820.6692 | 10.31 | 0.00 | 9038733 (m) | | | | |



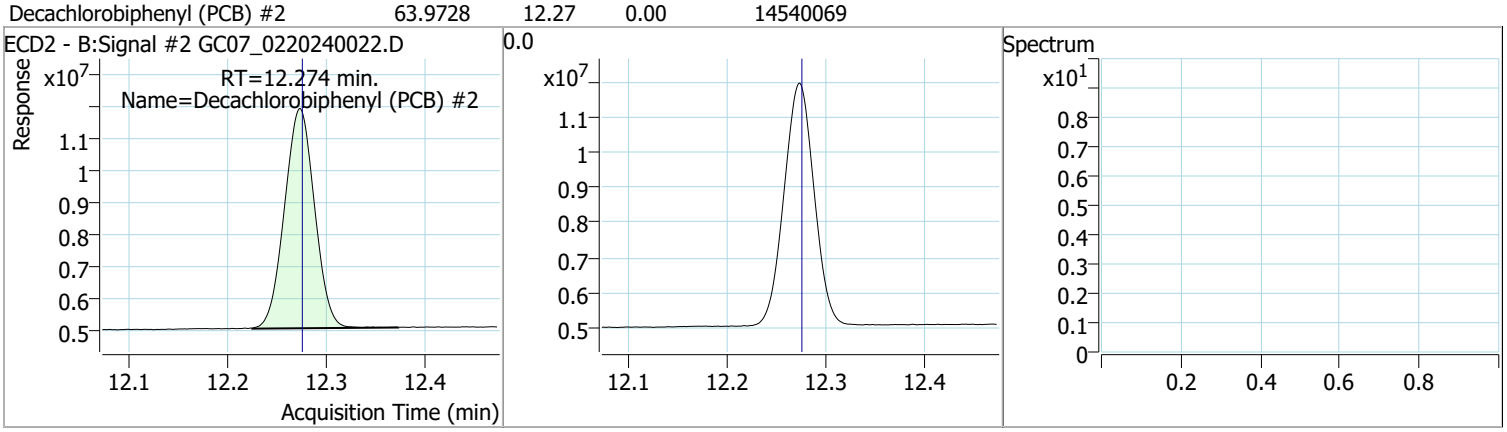

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 834.8764 | 10.97 | 0.00 | 13574881 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 66.4935 | 11.18 | 0.00 | 53966628 | | | | |

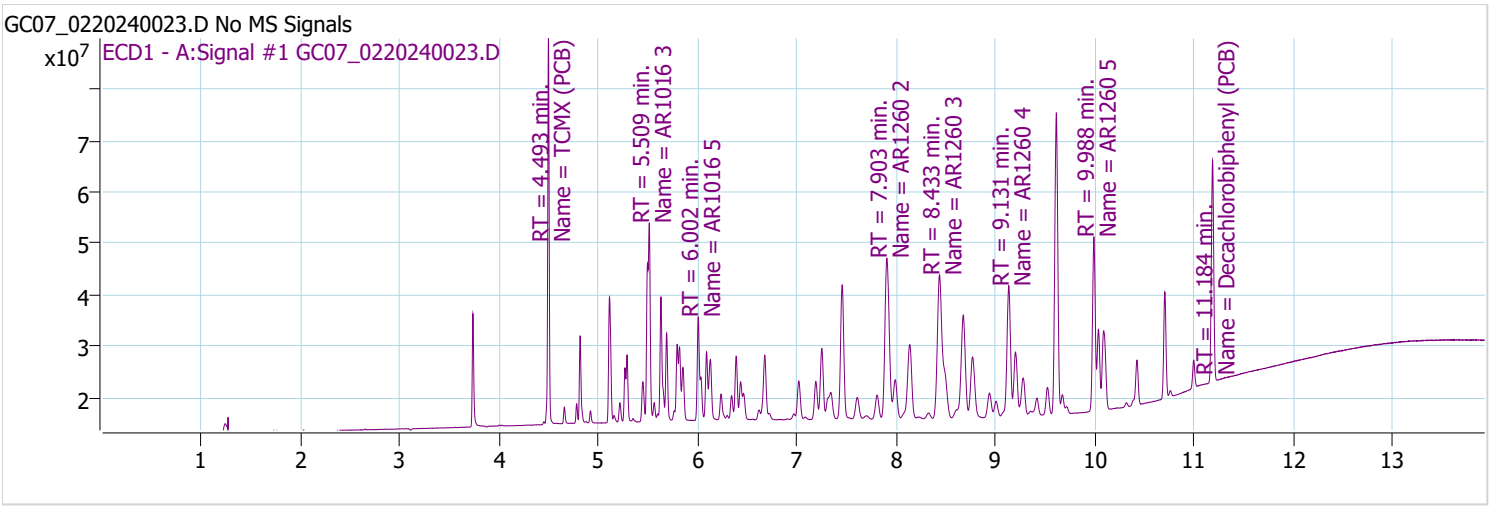


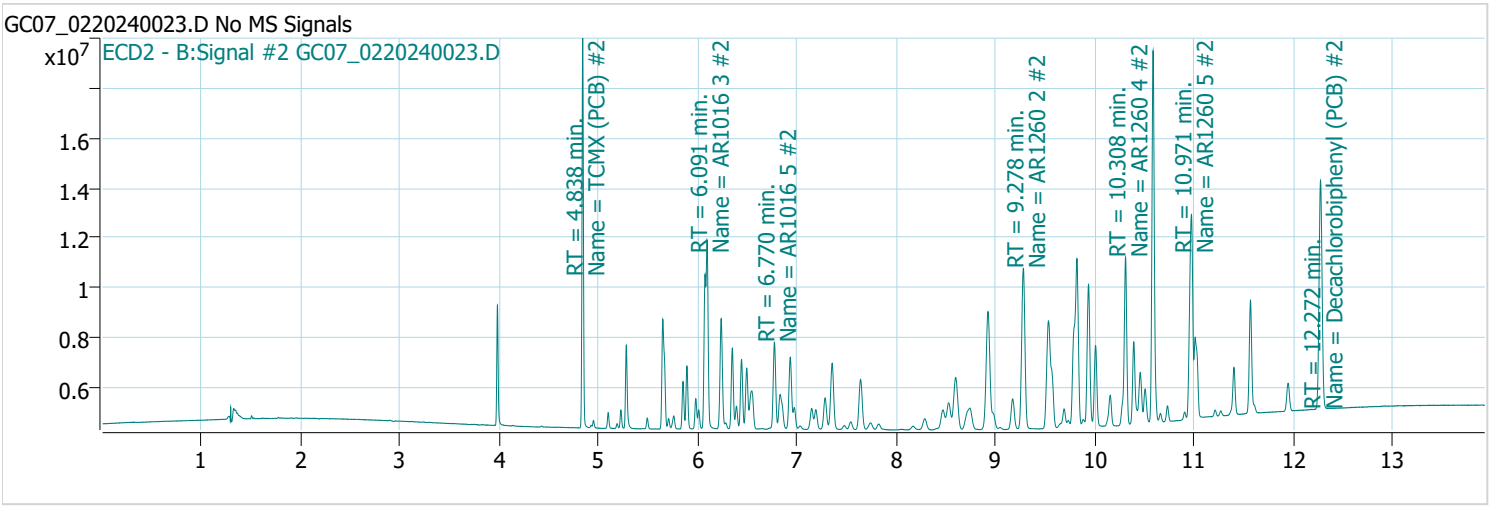

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 63.9728 | 12.27 | 0.00 | 14540069 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240023.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 3:33:54 PM |
| Sample Name | ICAL, S19337 | Instrument | SVOA-GC07 |
| Vial | 137 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 1000 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



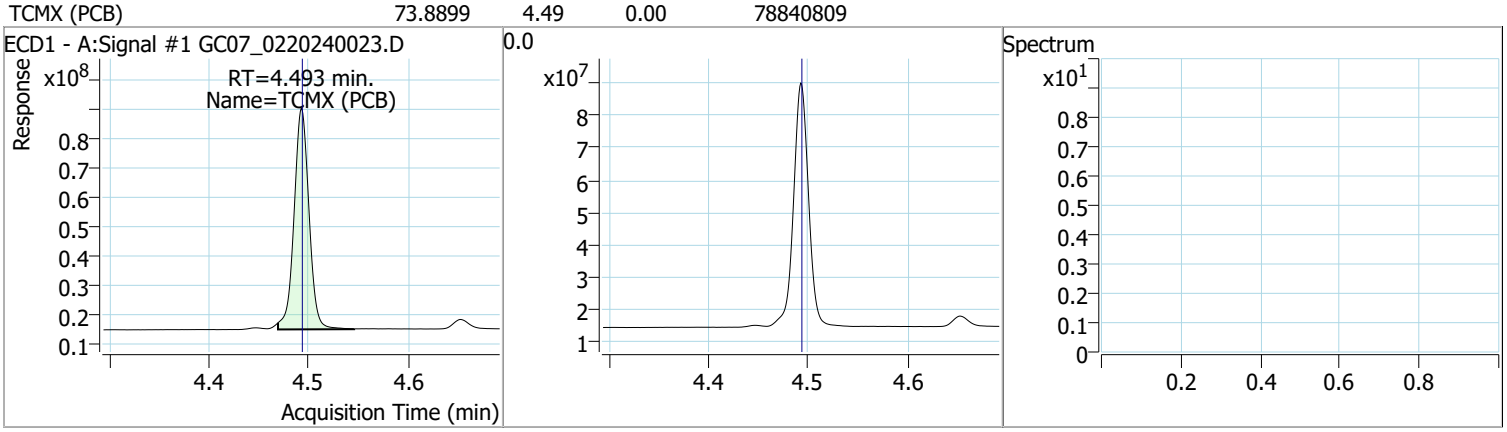




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.732 | 0.0 | 23471169.385 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.979 | 0.0 | 4692918.307 | 20.0000 | ng/ml | | 0.001 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 78840809.169 | 73.8899 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 369.45% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 16053023.423 | 78.4865 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 392.43% | | * | |
| S Decachlorobiphenyl (PCB) | 11.184 | 0.0 | 72435946.413 | 77.2348 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 386.17% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.272 | 0.0 | 19685472.896 | 73.6914 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 368.46% | | * | |
| **Target Compounds** | | | | | | | QValue |

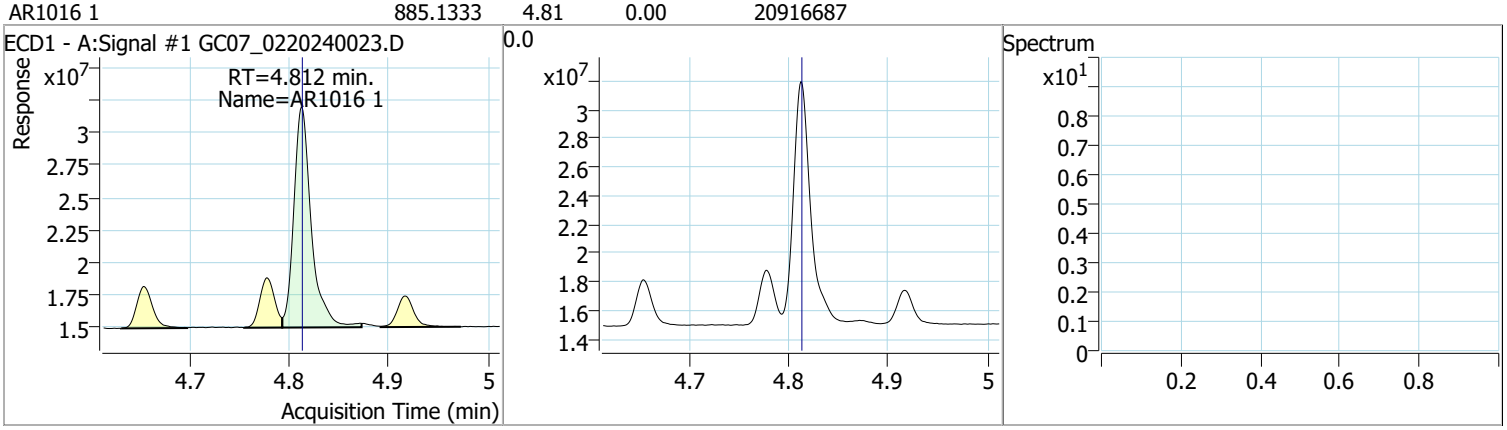
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.812 | 0.0 | 20916687.309 | 885.1333 | ng/ml | | 100 |
| T AR1016 2 | 5.108 | 0.0 | 37306330.588 | 896.7550 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 4135633.722 | 944.1816 | ng/ml | | 100 |
| T AR1016 3 | 5.509 | 0.0 | 50035101.535 | 903.9004 | ng/ml | m | 100 |
| T AR1016 4 | 5.627 | 0.0 | 33526537.993 | 898.6303 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.645 | 0.0 | 8186369.927 | 936.8420 | ng/ml | | 100 |
| T AR1016 5 | 6.002 | 0.0 | 29786871.031 | 901.5080 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.091 | 0.0 | 10910763.115 | 908.0913 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 7480101.943 | 941.4169 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.770 | 0.0 | 6114766.115 | 953.8663 | ng/ml | | 100 |
| T AR1260 1 | 7.453 | 0.0 | 59542489.811 | 898.6793 | ng/ml | | 100 |
| T AR1260 2 | 7.903 | 0.0 | 94536157.784 | 889.9088 | ng/ml | | 100 |
| T AR1260 3 | 8.433 | 0.0 | 109587859.504 | 910.8291 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.920 | 0.0 | 14054921.447 | 939.7601 | ng/ml | | 100 |
| T AR1260 4 | 9.131 | 0.0 | 62608505.456 | 953.6308 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.278 | 0.0 | 15007259.293 | 917.5722 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.934 | 0.0 | 10863428.884 | 964.9793 | ng/ml | | 100 |
| T AR1260 5 | 9.988 | 0.0 | 64886527.074 | 937.4834 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 12558213.400 | 970.1316 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.971 | 0.0 | 18313653.074 | 958.3041 | ng/ml | | 100 |

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

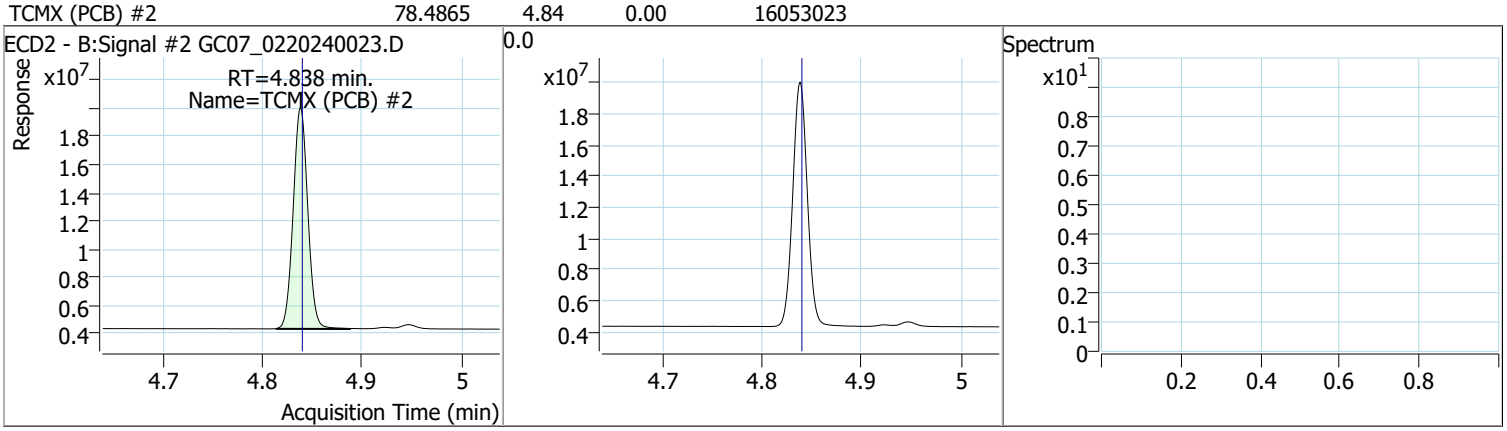
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 73.8899 | 4.49 | 0.00 | 78840809 | | | | |



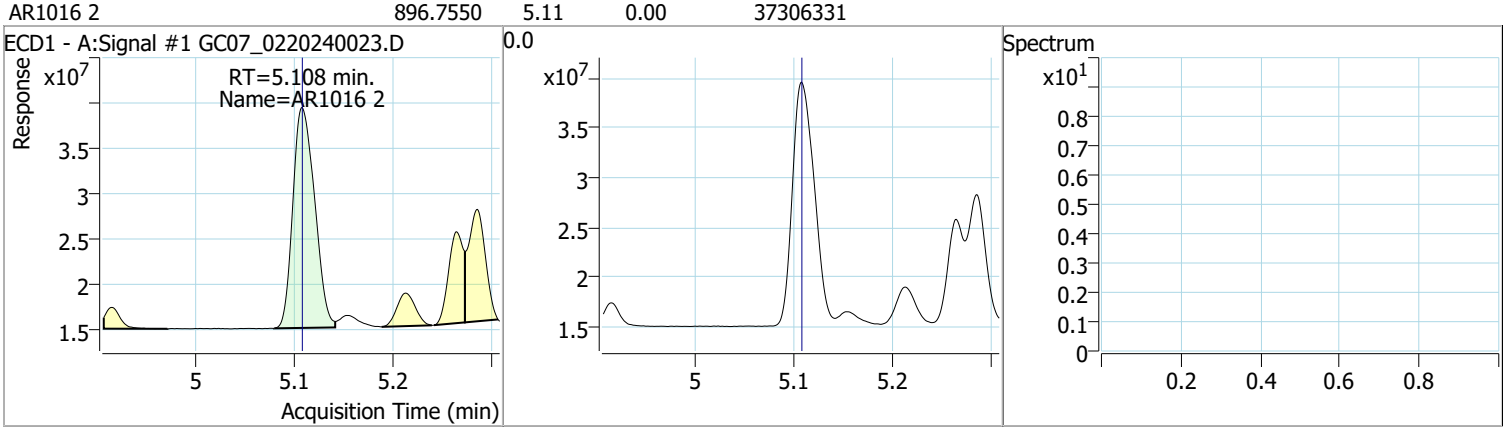

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 885.1333 | 4.81 | 0.00 | 20916687 | | | | |



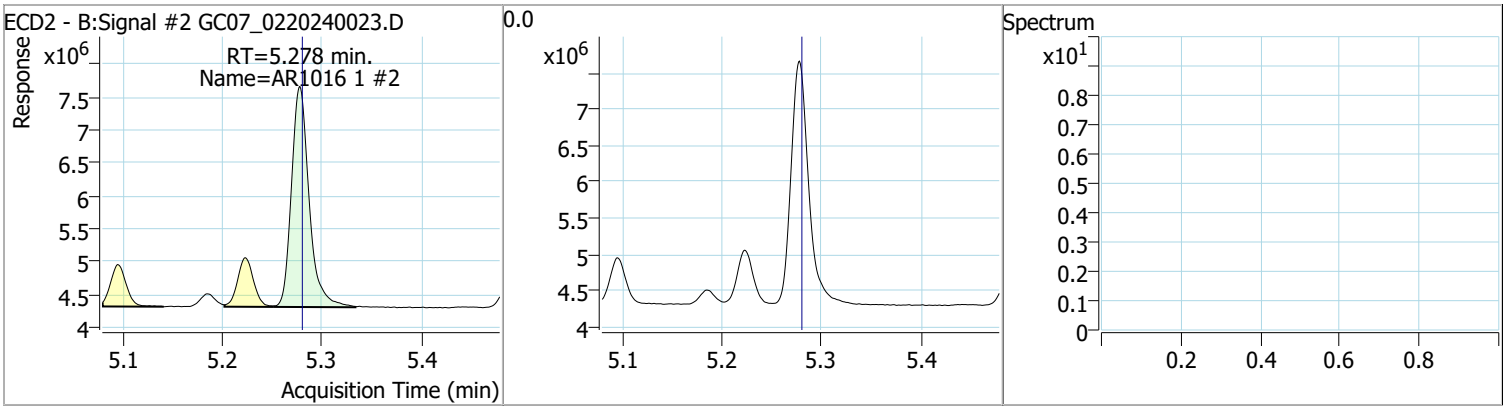

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 78.4865 | 4.84 | 0.00 | 16053023 | | | | |



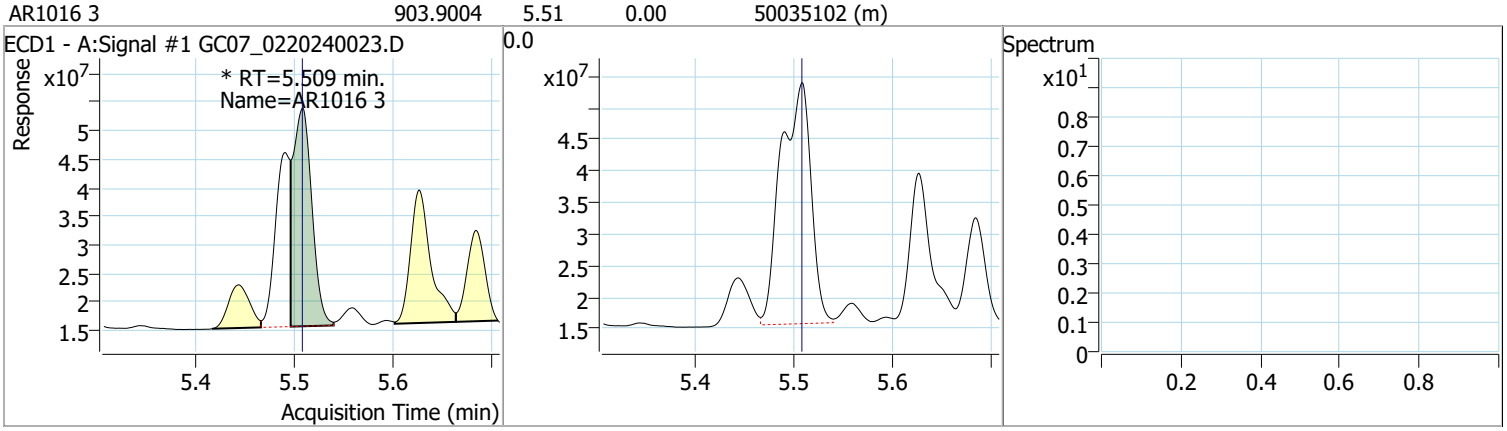

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 896.7550 | 5.11 | 0.00 | 37306331 | | | | |



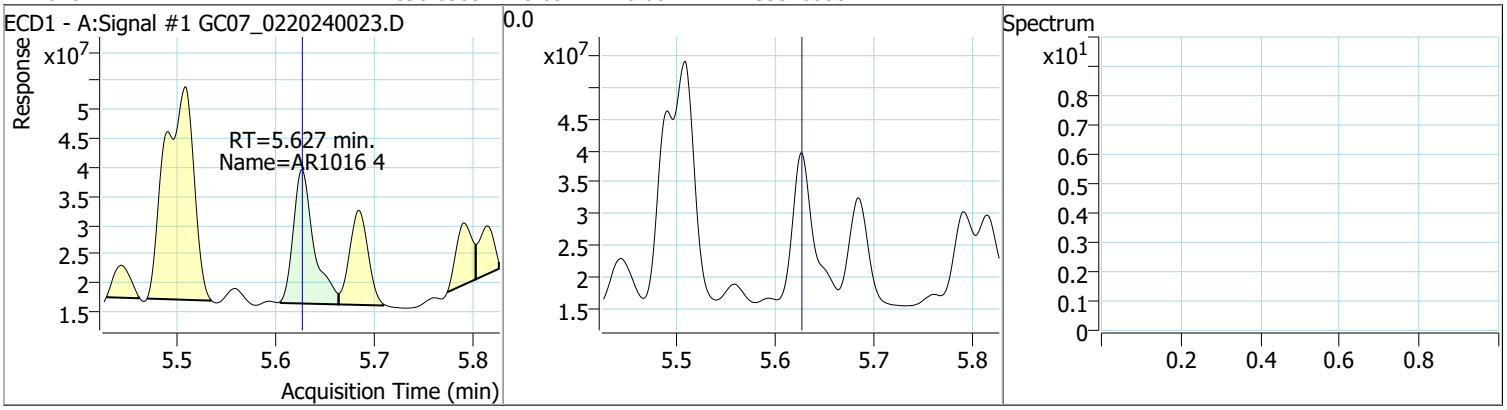
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 944.1816 | 5.28 | 0.00 | 4135634 | | | | |



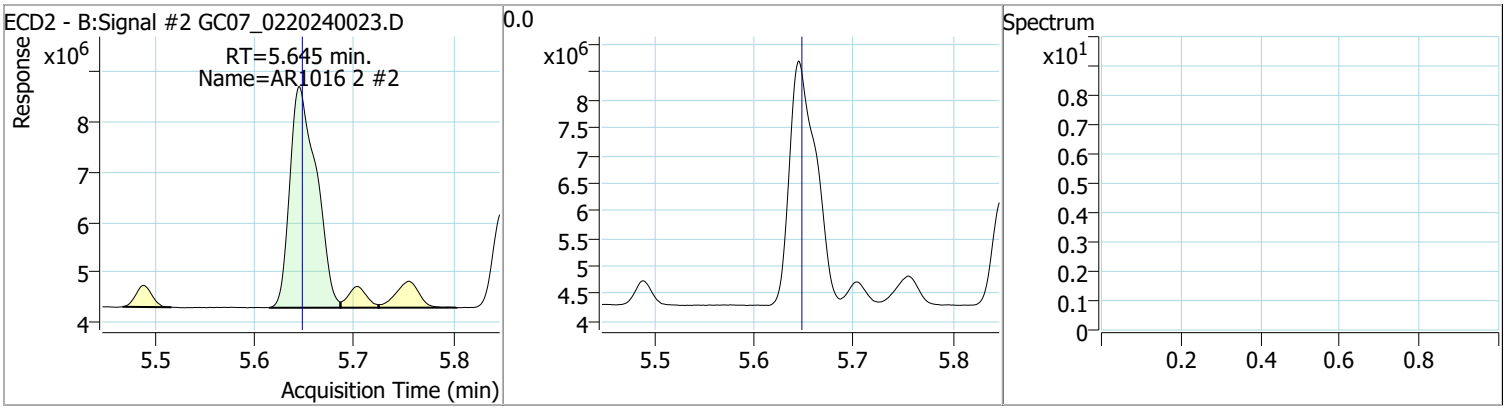

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 903.9004 | 5.51 | 0.00 | 50035102 (m) | | | | |



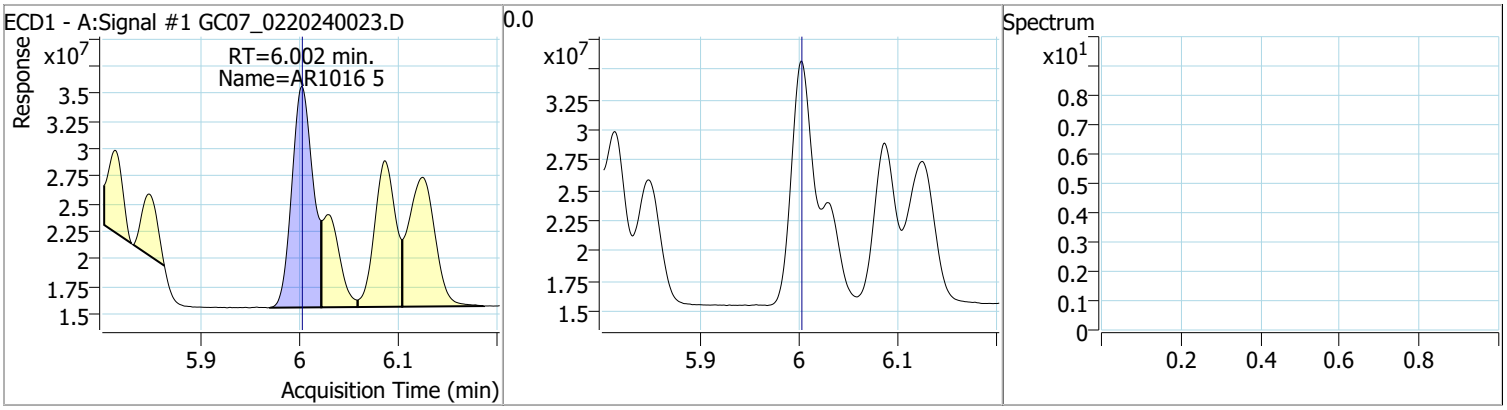

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 898.6303 | 5.63 | 0.00 | 33526538 | | | | |



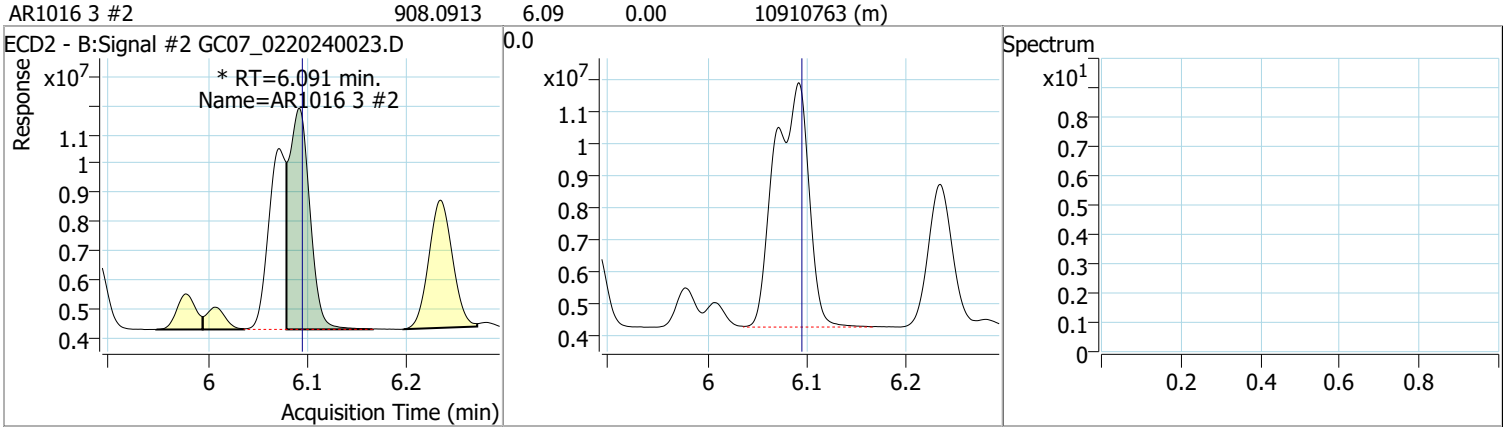

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 936.8420 | 5.65 | 0.00 | 8186370 | | | | |



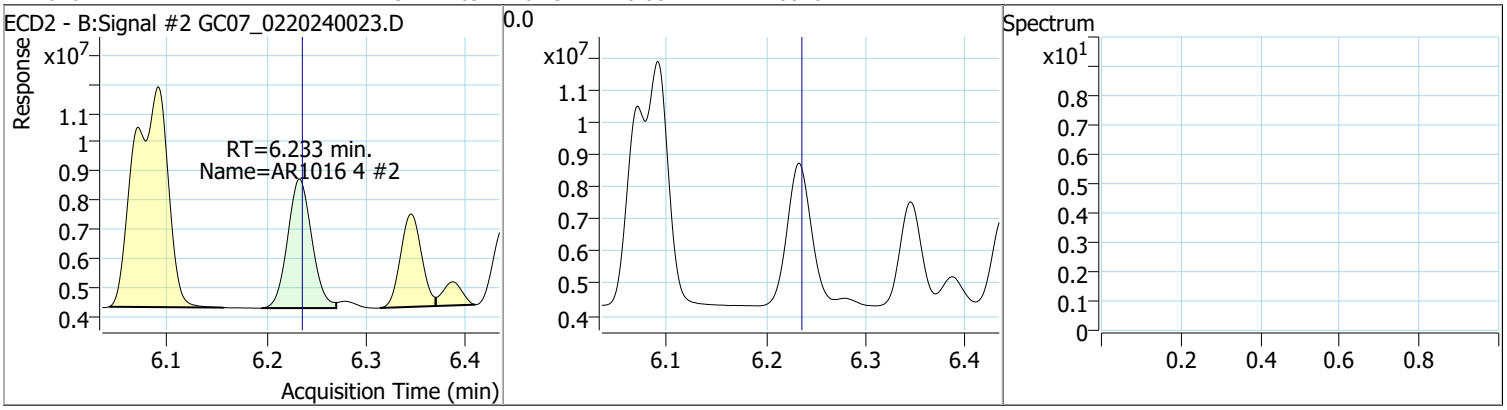
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 901.5080 | 6.00 | 0.00 | 29786871 | | | | |



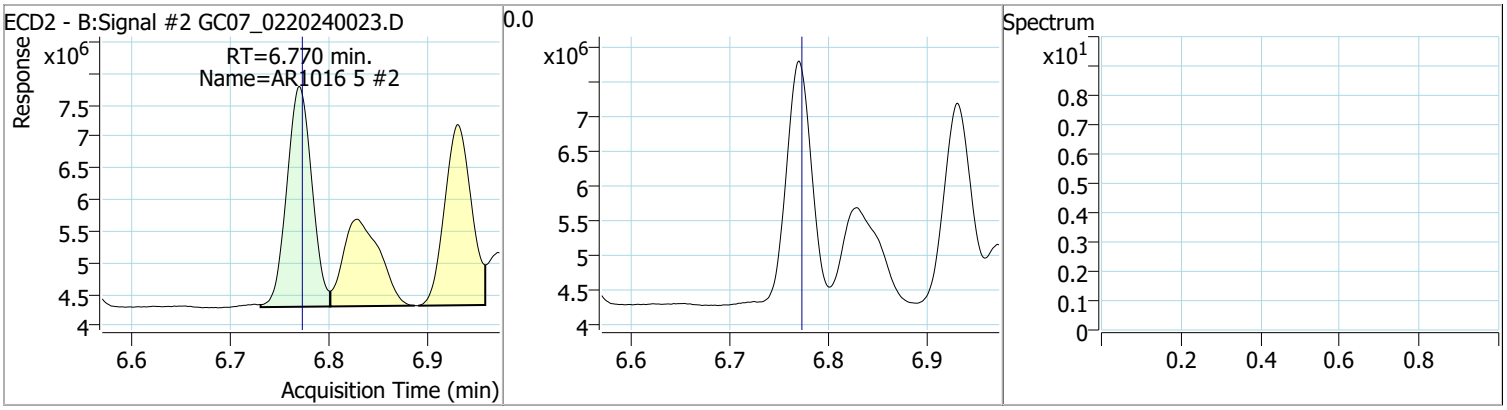

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 908.0913 | 6.09 | 0.00 | 10910763 (m) | | | | |



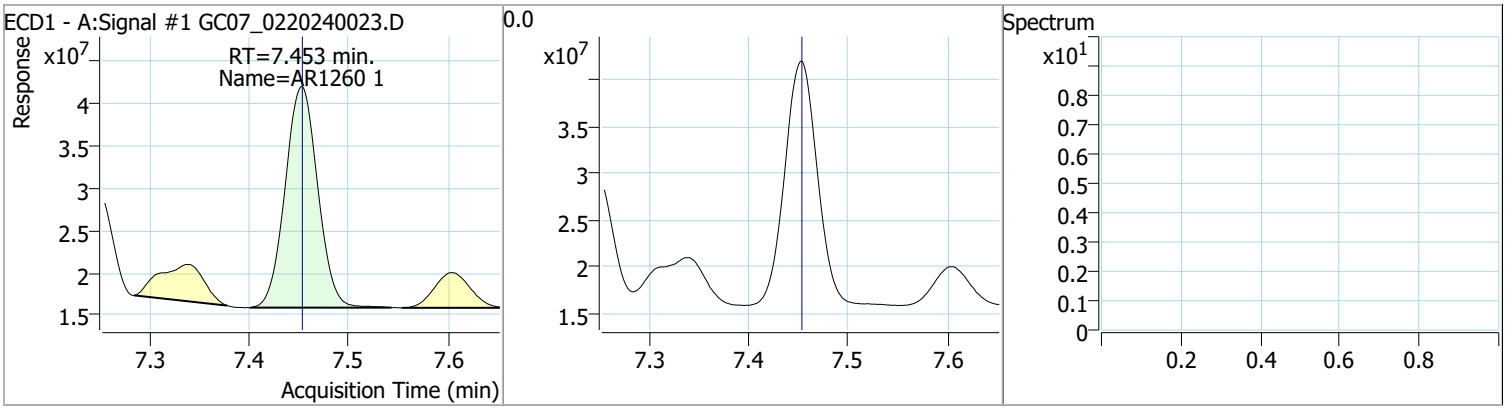

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 941.4169 | 6.23 | 0.00 | 7480102 | | | | |



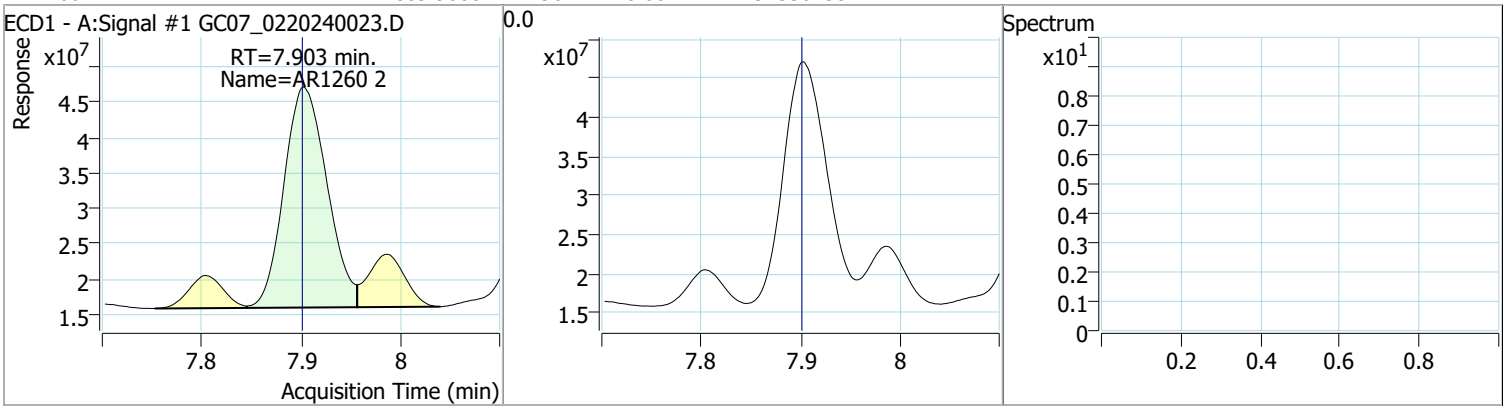

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 953.8663 | 6.77 | 0.00 | 6114766 | | | | |



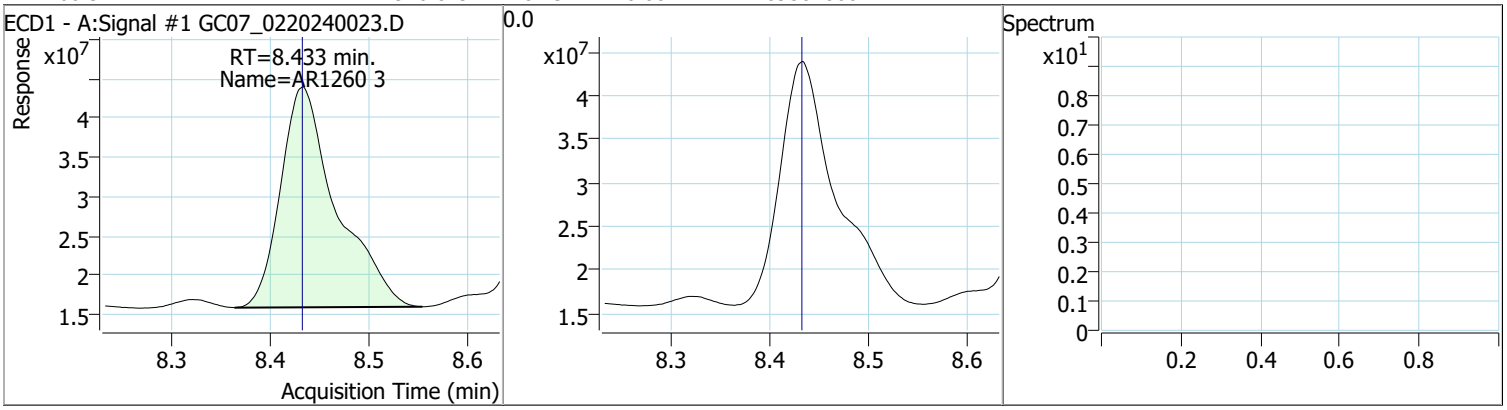
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 898.6793 | 7.45 | 0.00 | 59542490 | | | | |



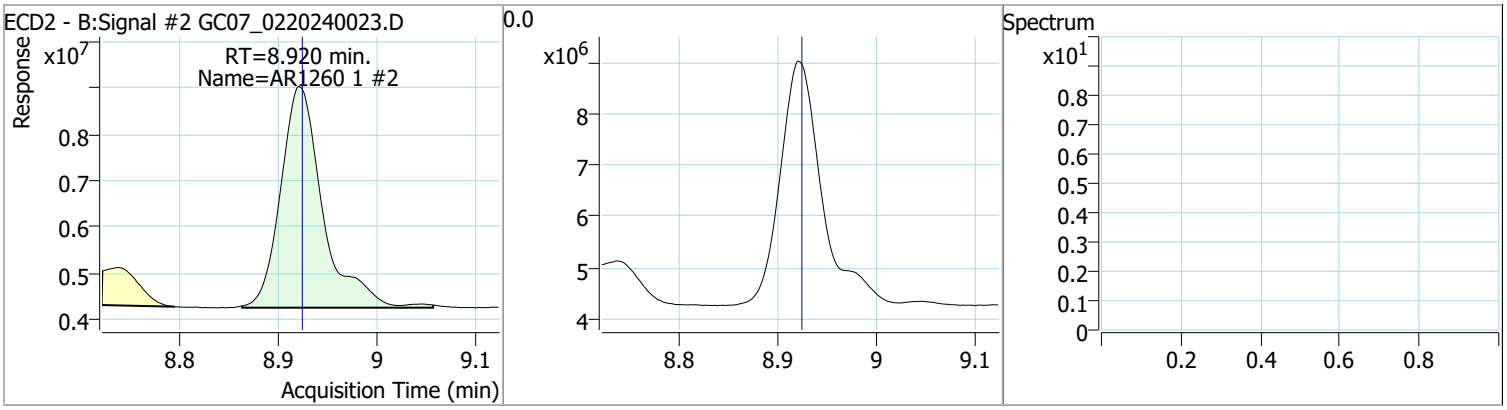

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 889.9088 | 7.90 | 0.00 | 94536158 | | | | |



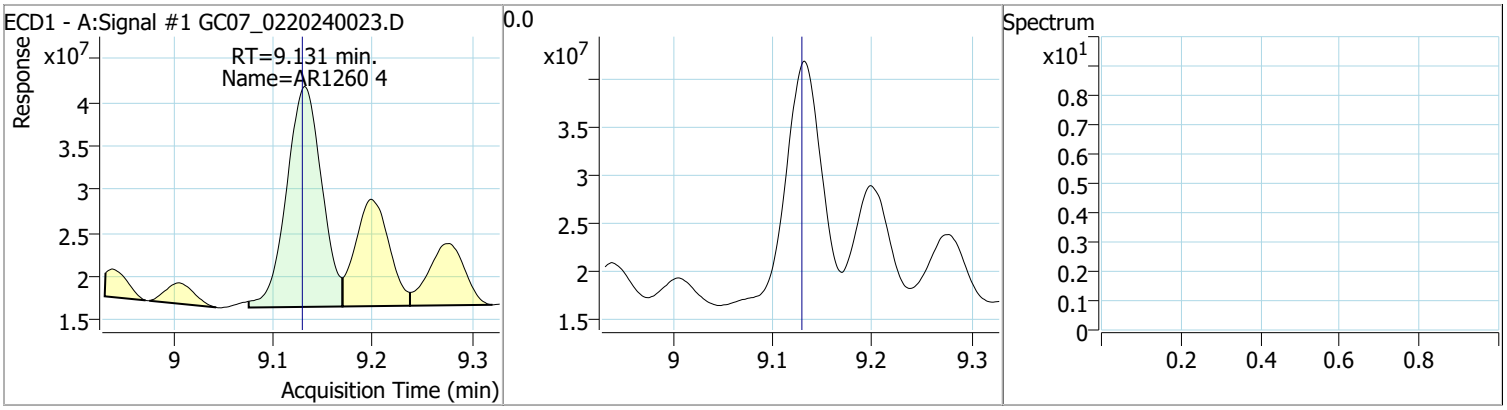

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 910.8291 | 8.43 | 0.00 | 109587860 | | | | |



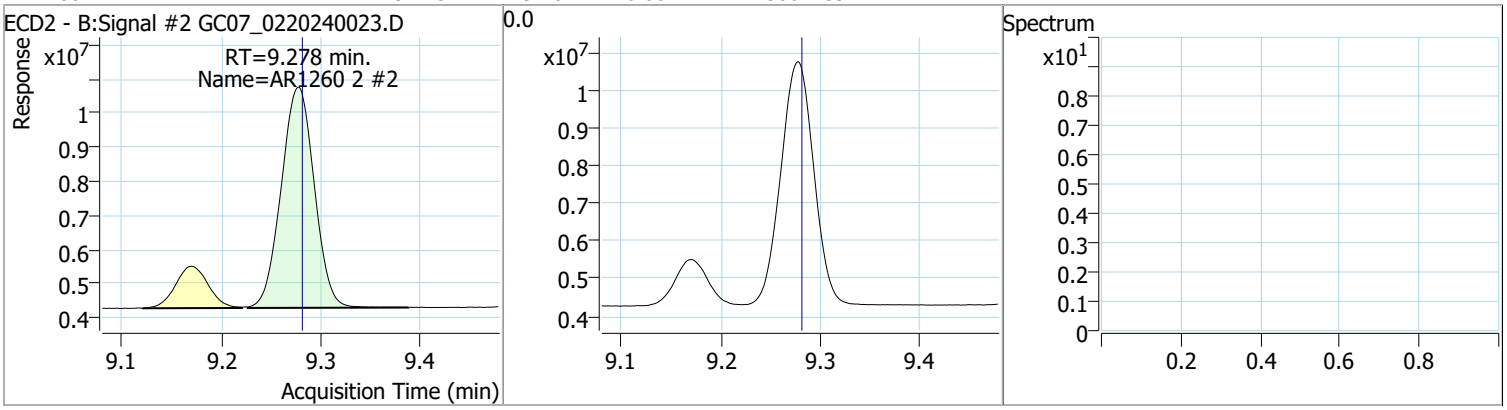

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 939.7601 | 8.92 | 0.00 | 14054921 | | | | |



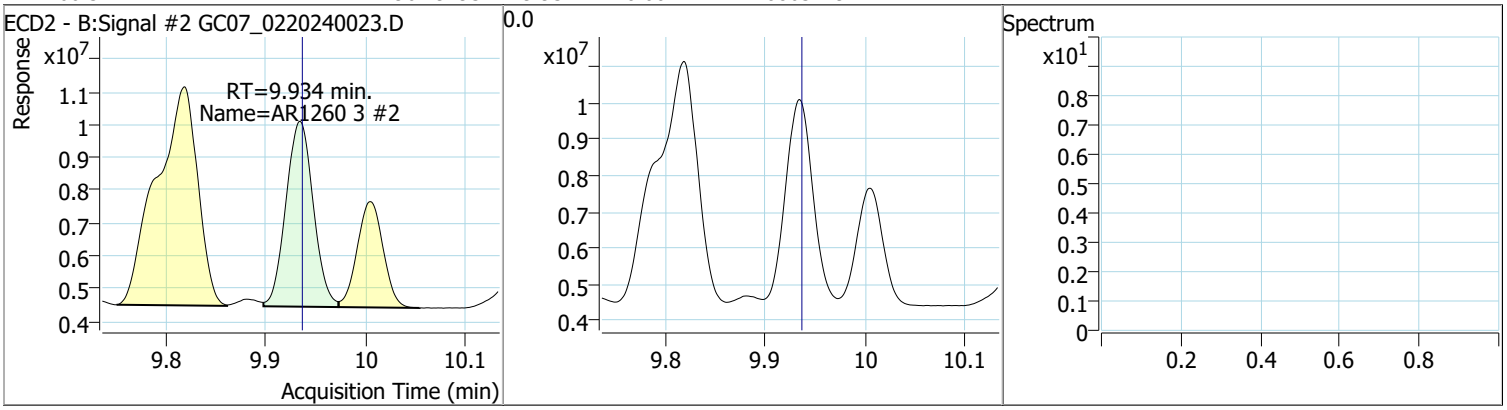
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 953.6308 | 9.13 | 0.00 | 62608505 | | | | |



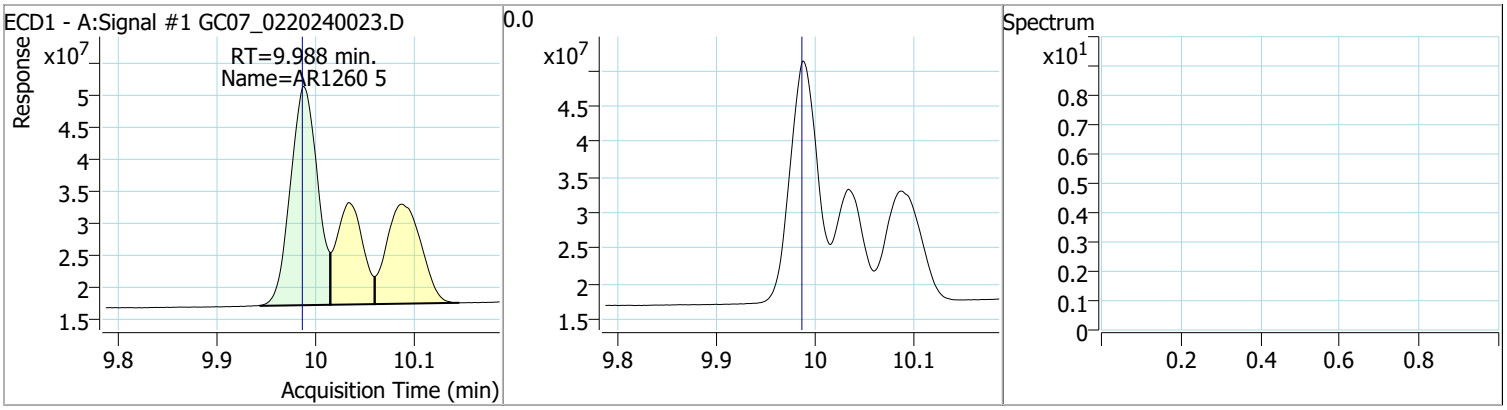

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 917.5722 | 9.28 | 0.00 | 15007259 | | | | |



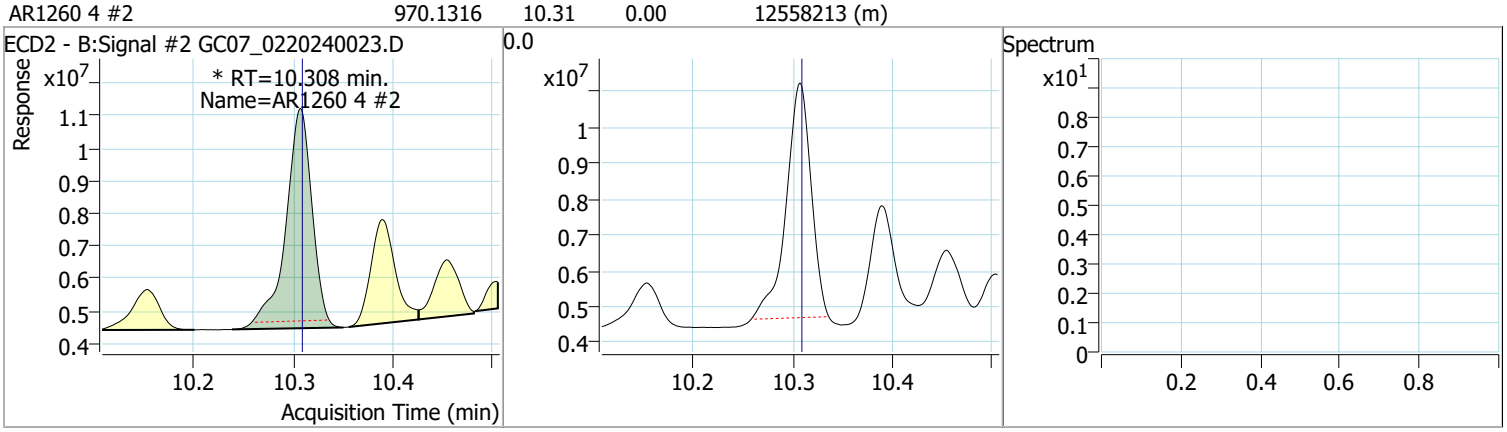

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 964.9793 | 9.93 | 0.00 | 10863429 | | | | |



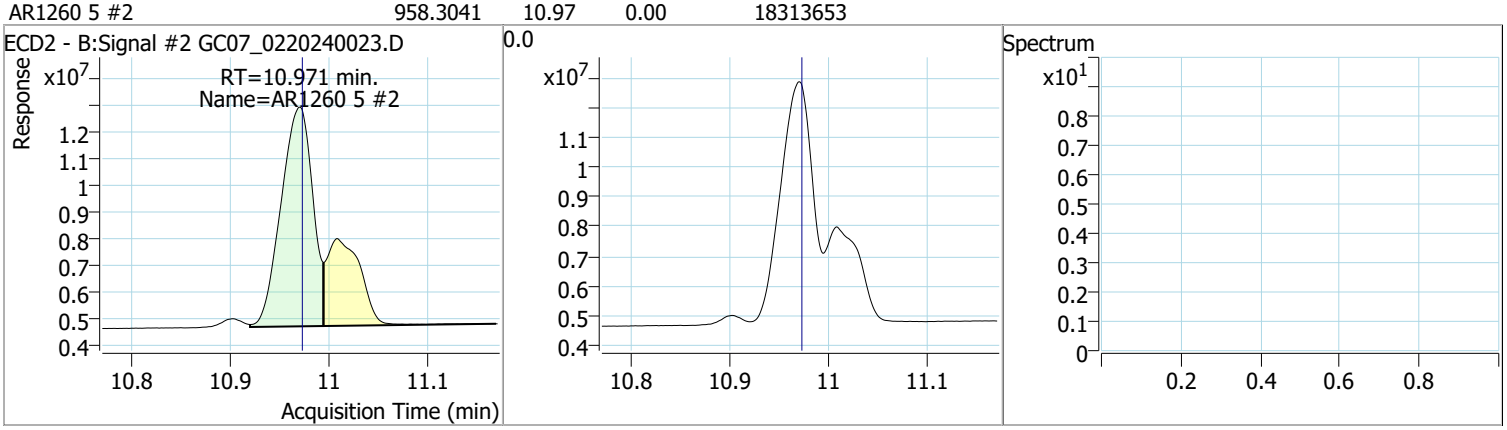

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 937.4834 | 9.99 | 0.00 | 64886527 | | | | |



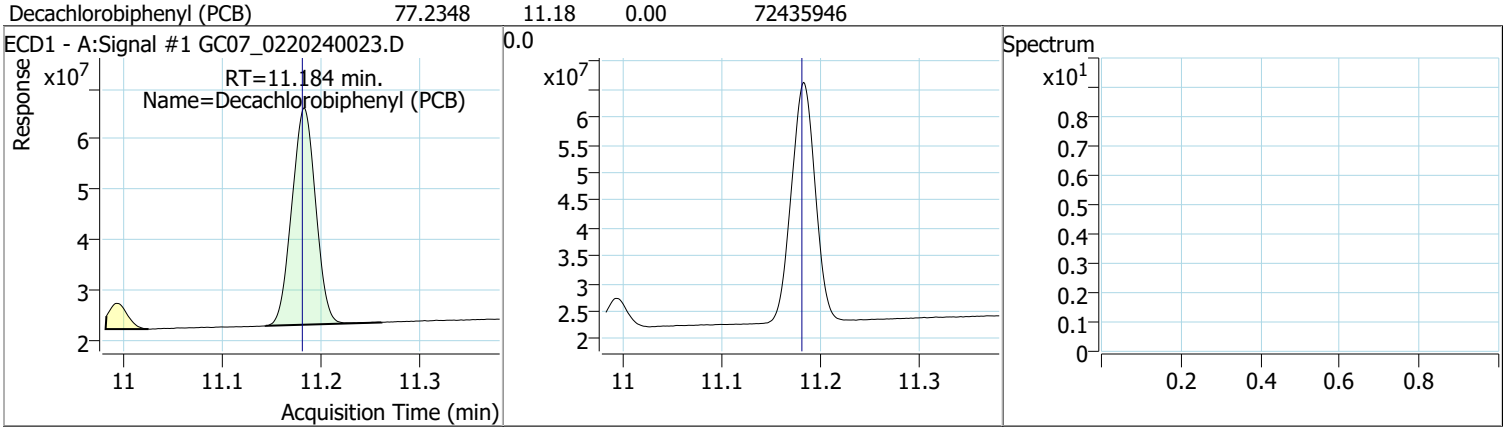
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 970.1316 | 10.31 | 0.00 | 12558213 (m) | | | | |



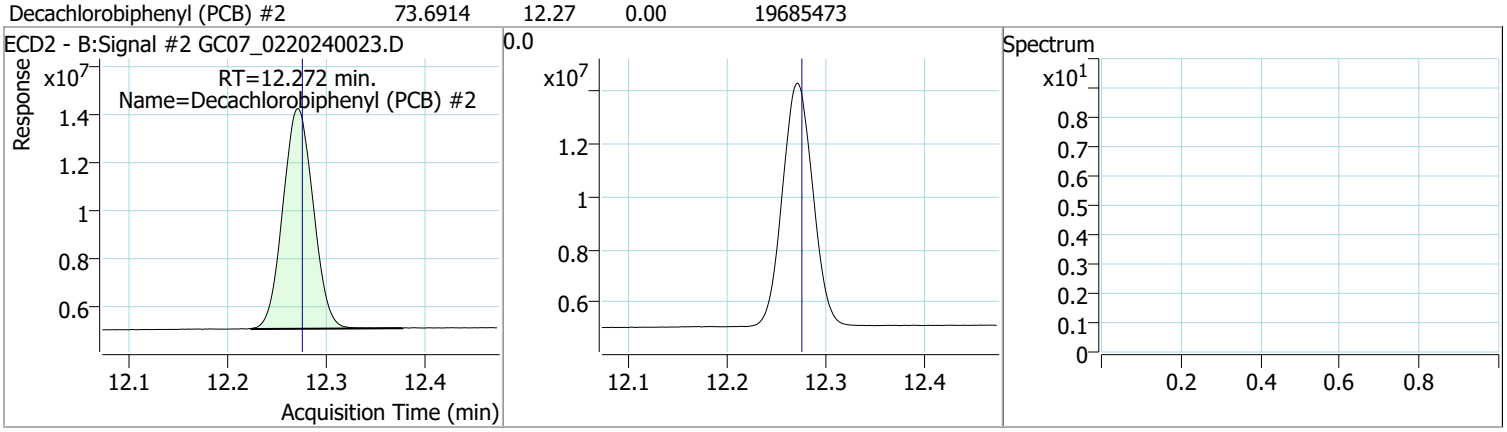

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 958.3041 | 10.97 | 0.00 | 18313653 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 77.2348 | 11.18 | 0.00 | 72435946 | | | | |

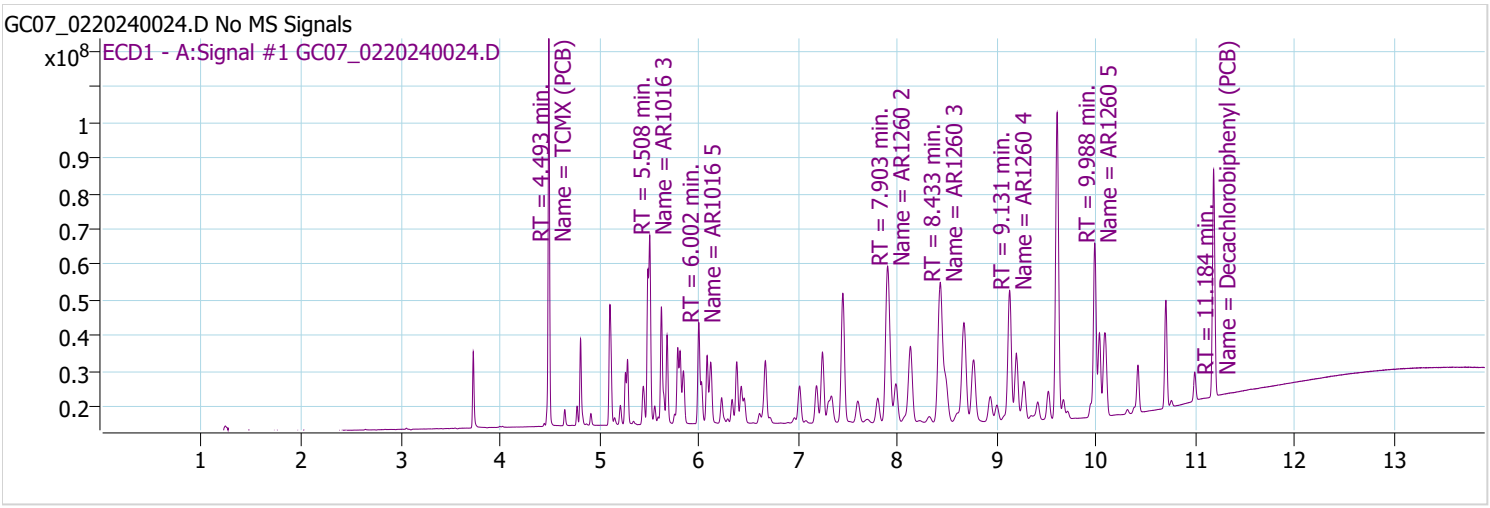


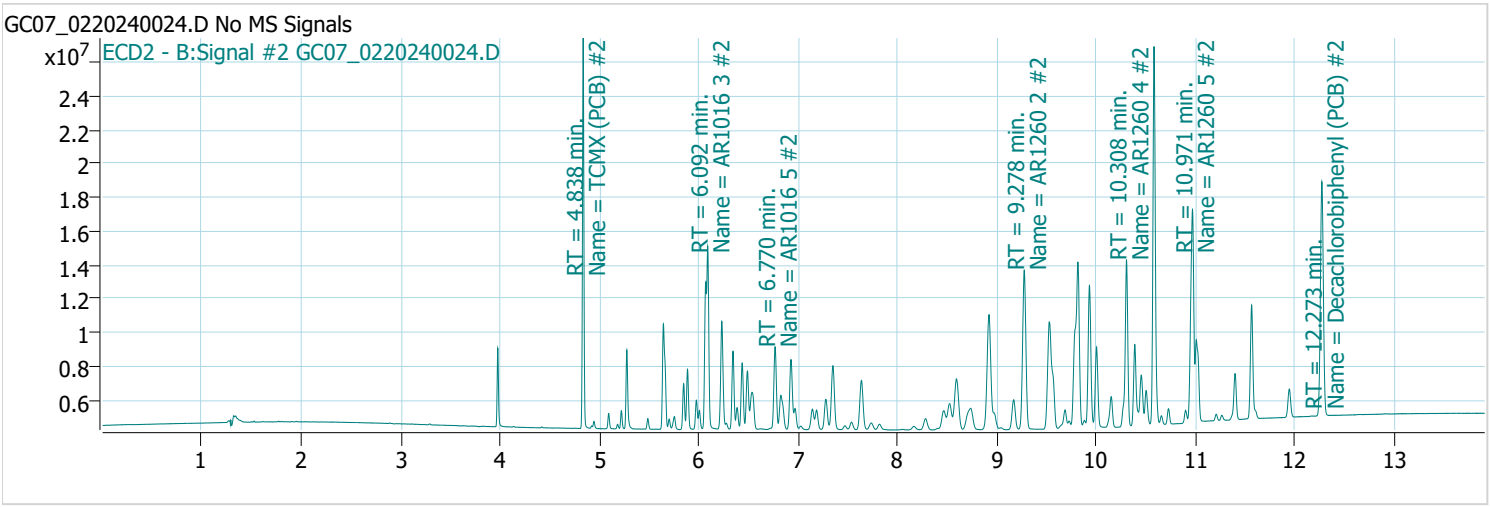

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 73.6914 | 12.27 | 0.00 | 19685473 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240024.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 3:51:21 PM |
| Sample Name | ICAL, S19338 | Instrument | SVOA-GC07 |
| Vial | 138 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 1500 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



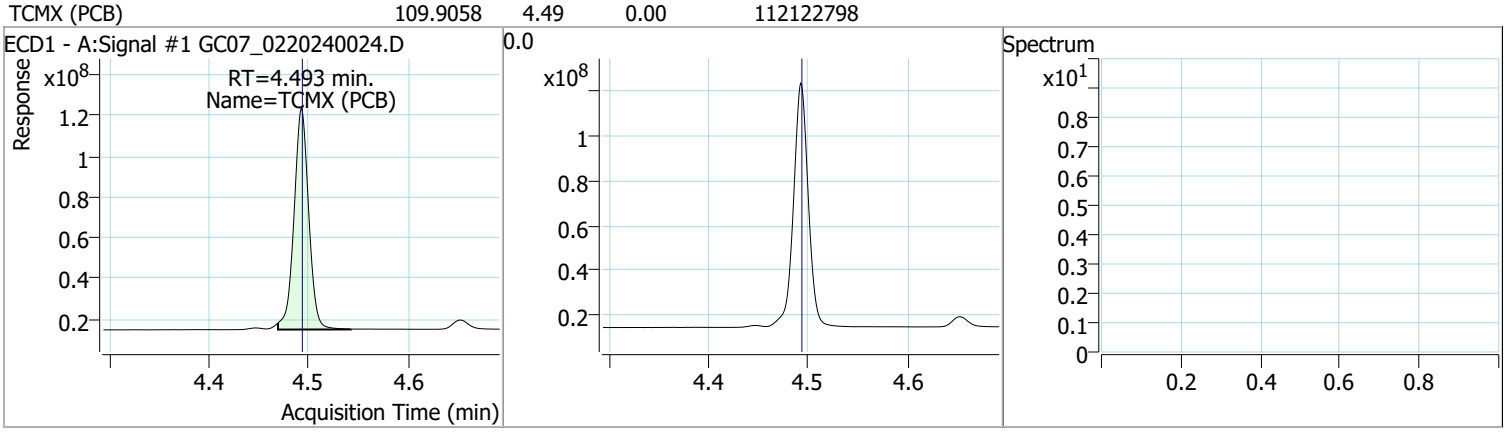




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.732 | 0.0 | 22441003.041 | 20.0000 | ng/ml | | -0.001 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.978 | 0.0 | 4459761.286 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 112122798.006 | 109.9058 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 549.53% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 23181984.532 | 119.2670 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 596.34% | | * | |
| S Decachlorobiphenyl (PCB) | 11.184 | 0.0 | 106576676.874 | 118.8540 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 594.27% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.273 | 0.0 | 28771555.473 | 113.3355 | ng/ml | | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 566.68% | | * | |
| **Target Compounds** | | | | | | | QValue |

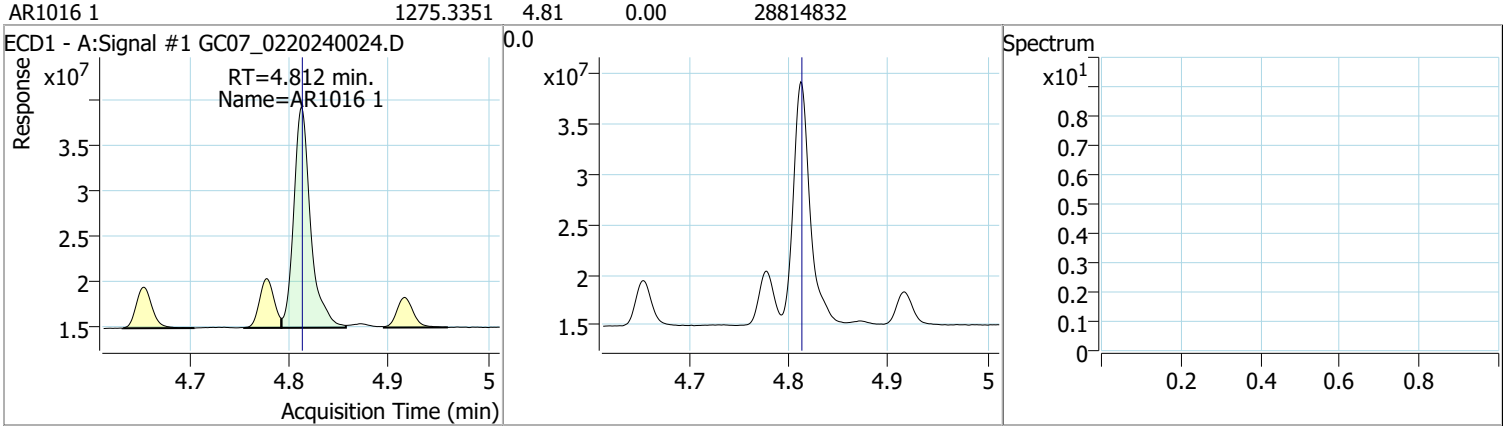
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.812 | 0.0 | 28814832.403 | 1275.3351 | ng/ml | | 100 |
| T AR1016 2 | 5.108 | 0.0 | 51799006.476 | 1302.2824 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 5801869.671 | 1393.8397 | ng/ml | | 100 |
| T AR1016 3 | 5.508 | 0.0 | 70549096.664 | 1332.9987 | ng/ml | m | 100 |
| T AR1016 4 | 5.626 | 0.0 | 48490296.425 | 1359.3762 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.646 | 0.0 | 11488994.794 | 1383.5295 | ng/ml | | 100 |
| T AR1016 5 | 6.002 | 0.0 | 42042285.589 | 1330.8327 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.092 | 0.0 | 15297467.075 | 1339.7548 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 10540182.259 | 1395.8989 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.770 | 0.0 | 8677034.127 | 1424.3291 | ng/ml | | 100 |
| T AR1260 1 | 7.452 | 0.0 | 83731880.367 | 1321.7857 | ng/ml | | 100 |
| T AR1260 2 | 7.903 | 0.0 | 134185645.475 | 1321.1317 | ng/ml | | 100 |
| T AR1260 3 | 8.433 | 0.0 | 156932603.760 | 1364.2064 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.923 | 0.0 | 20449074.653 | 1438.7775 | ng/ml | | 100 |
| T AR1260 4 | 9.131 | 0.0 | 89510851.915 | 1425.9854 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.278 | 0.0 | 21595719.498 | 1389.4340 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.934 | 0.0 | 15709222.465 | 1468.3755 | ng/ml | | 100 |
| T AR1260 5 | 9.988 | 0.0 | 99426410.727 | 1502.4612 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 18256682.225 | 1484.0756 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.971 | 0.0 | 27276014.621 | 1501.8987 | ng/ml | | 100 |

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

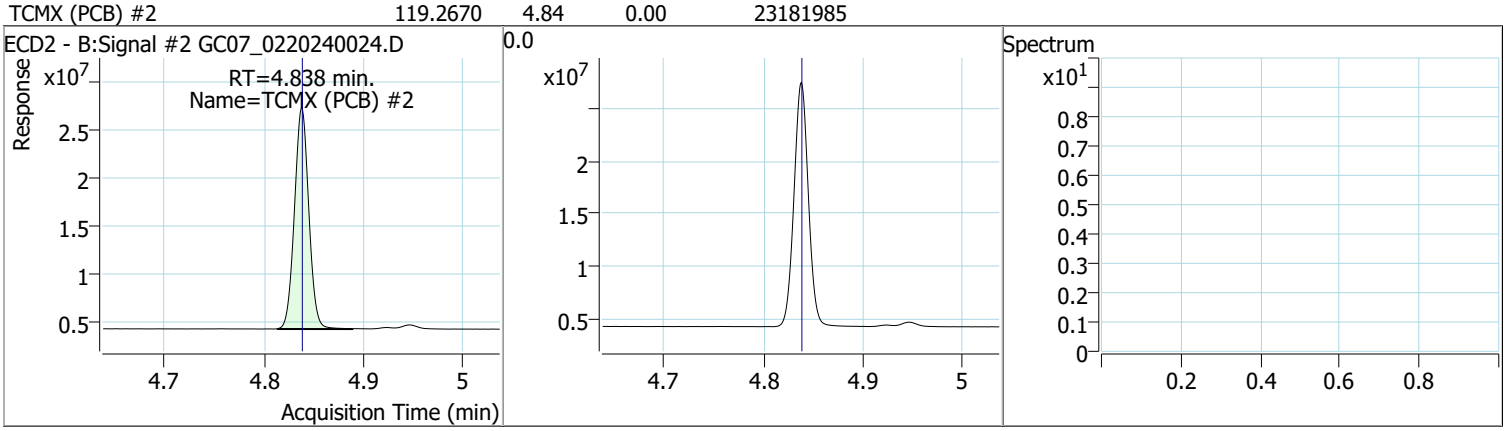
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 109.9058 | 4.49 | 0.00 | 112122798 | | | | |



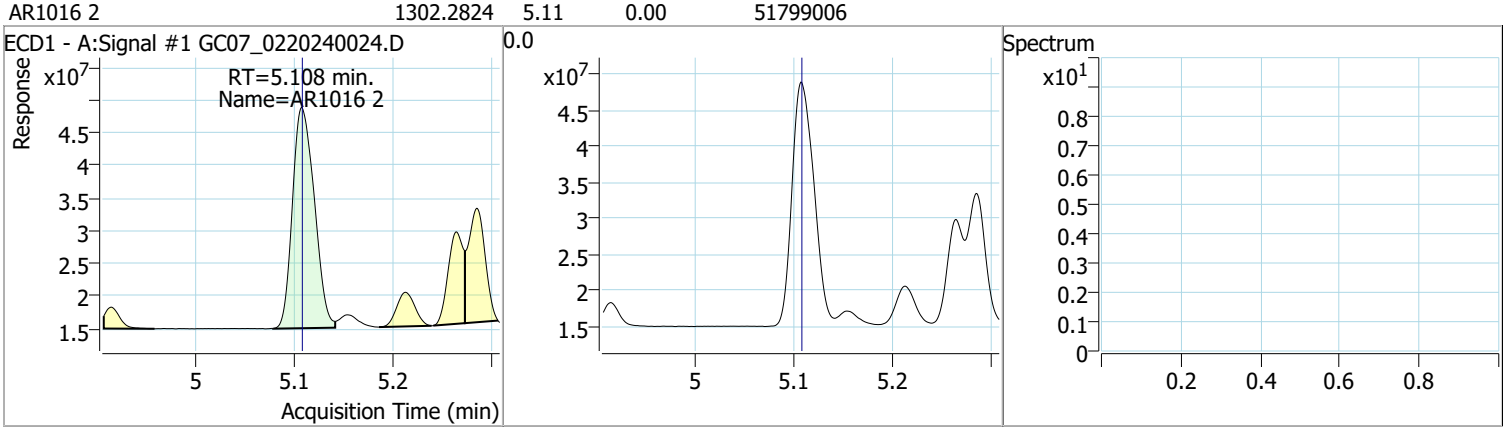

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 1275.3351 | 4.81 | 0.00 | 28814832 | | | | |



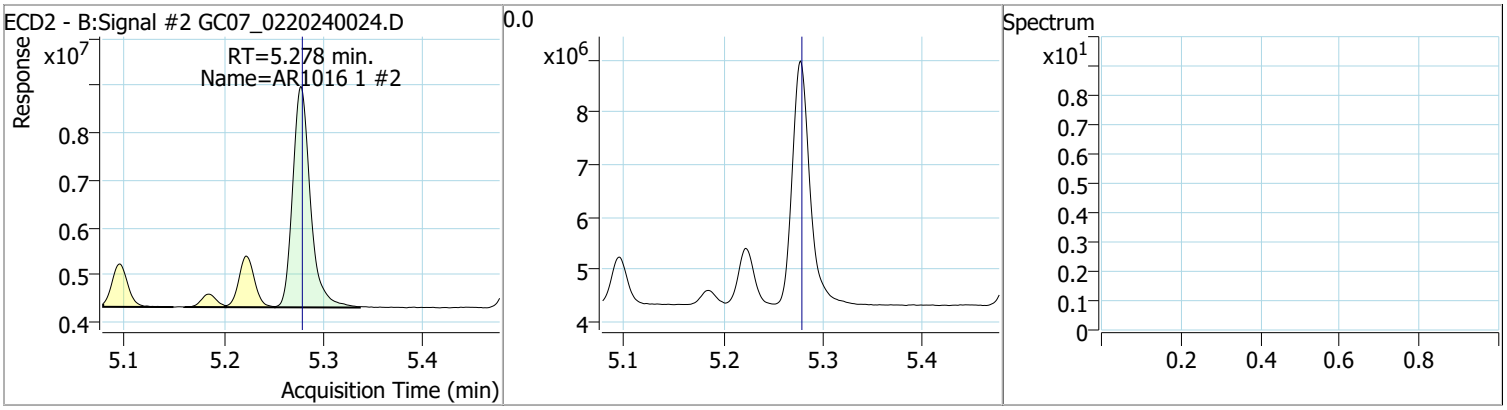

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 119.2670 | 4.84 | 0.00 | 23181985 | | | | |



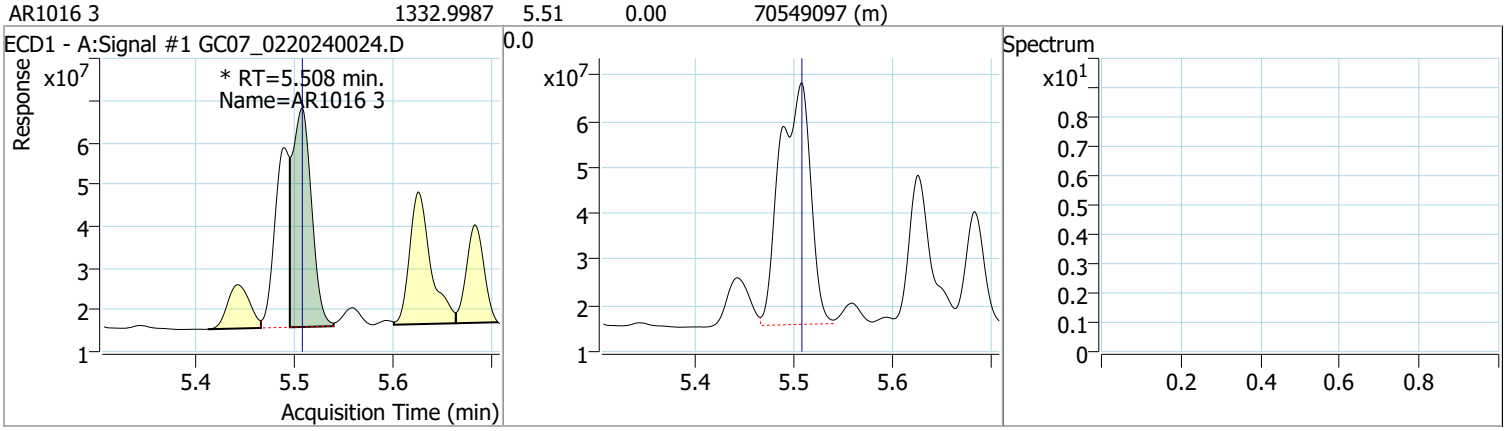

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 1302.2824 | 5.11 | 0.00 | 51799006 | | | | |



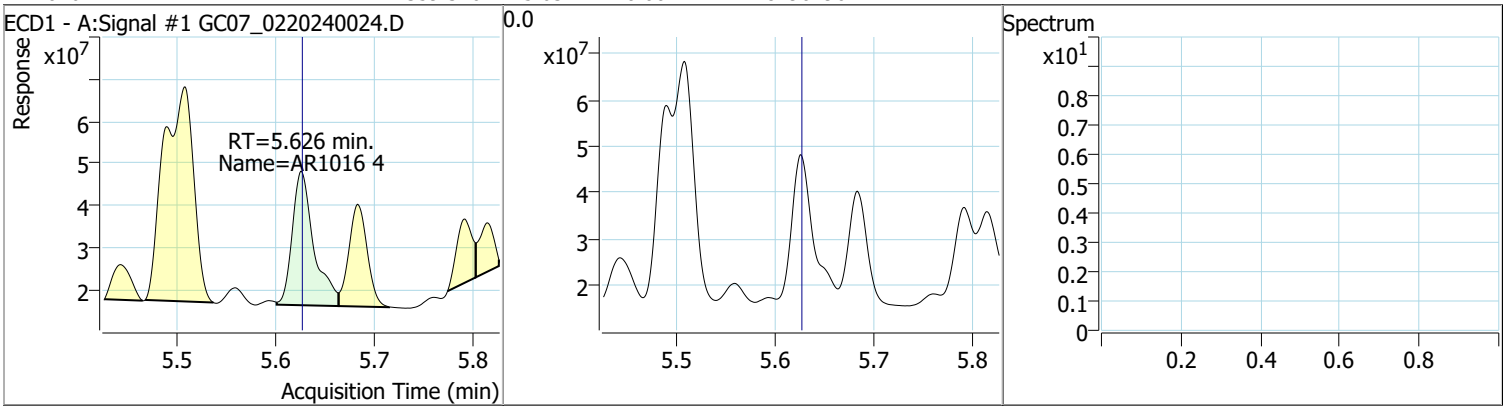
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 1393.8397 | 5.28 | 0.00 | 5801870 | | | | |



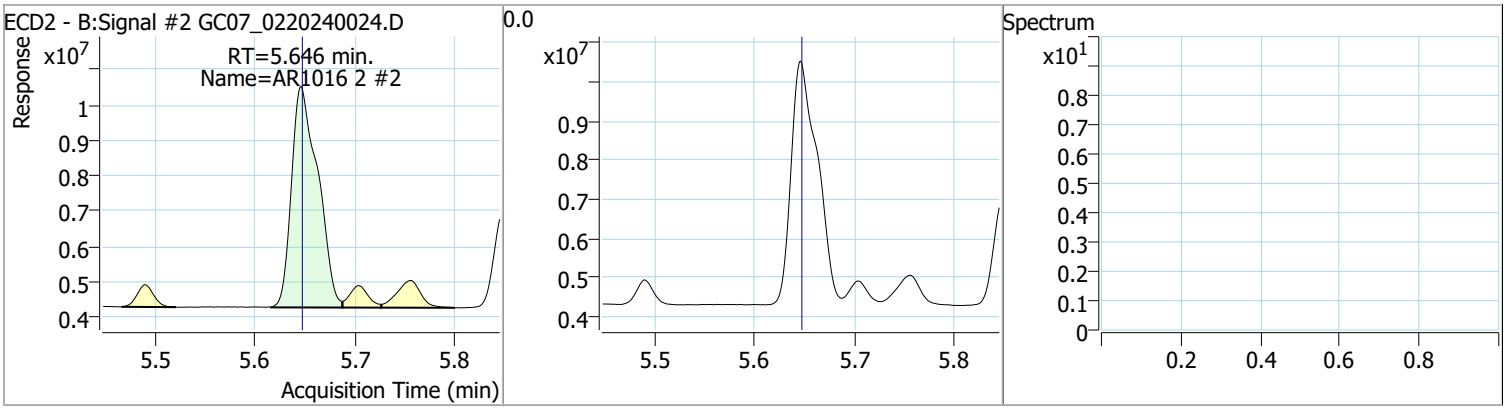

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 1332.9987 | 5.51 | 0.00 | 70549097 (m) | | | | |



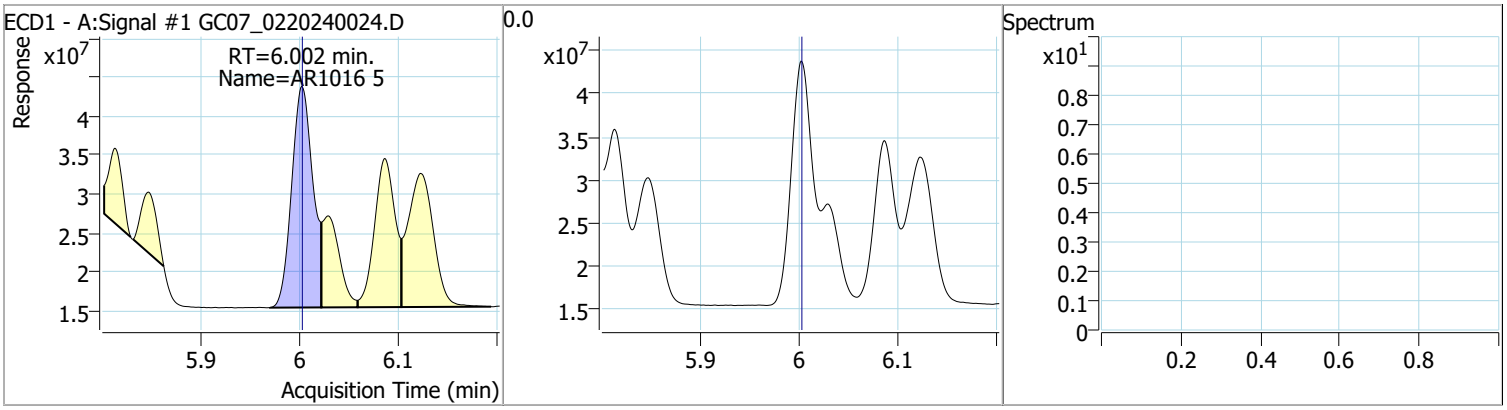

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 1359.3762 | 5.63 | 0.00 | 48490296 | | | | |



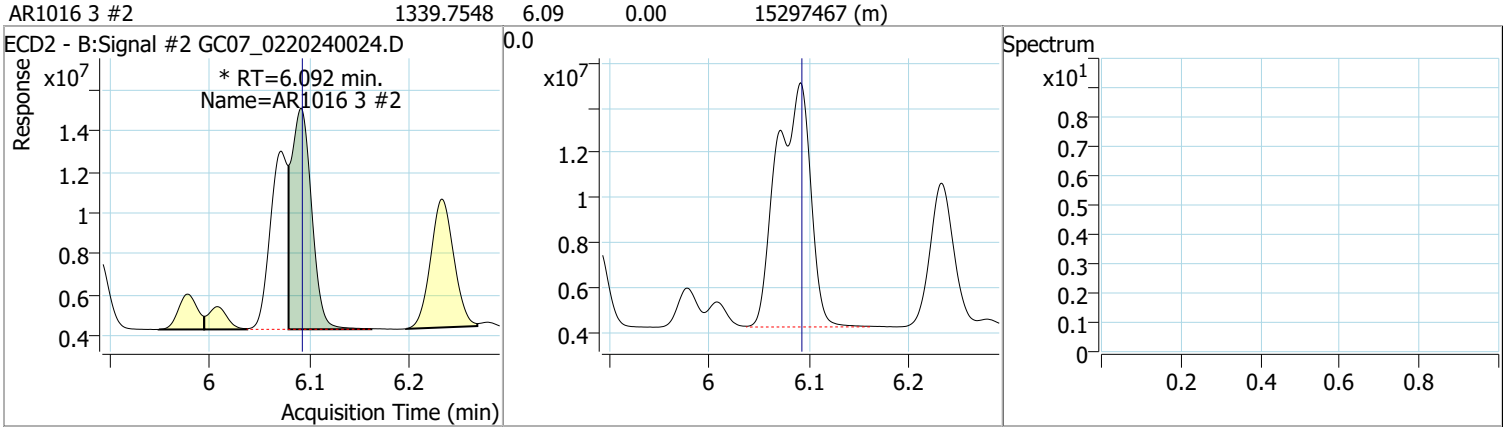

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 1383.5295 | 5.65 | 0.00 | 11488995 | | | | |



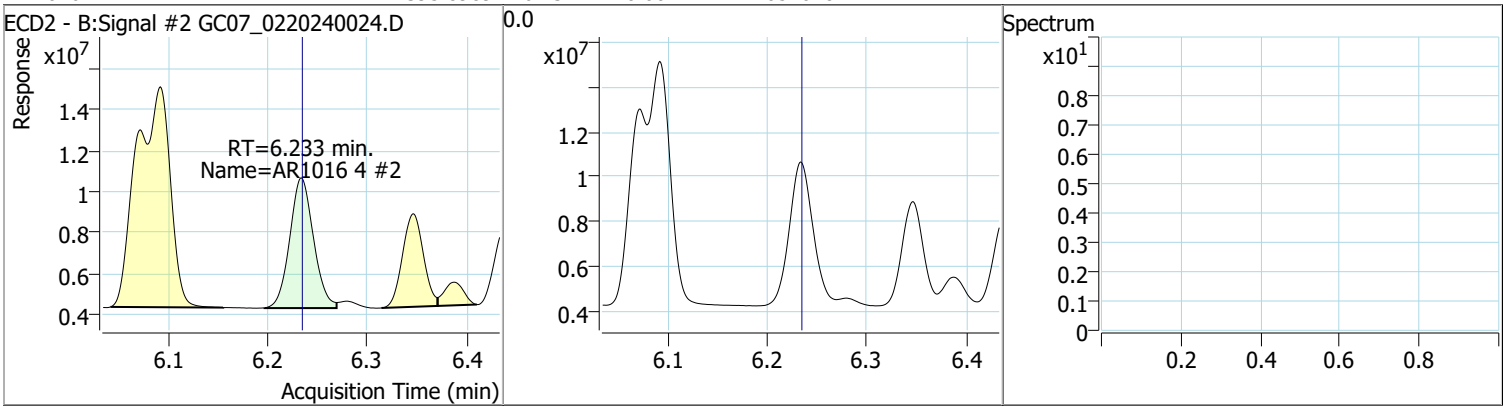
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 1330.8327 | 6.00 | 0.00 | 42042286 | | | | |



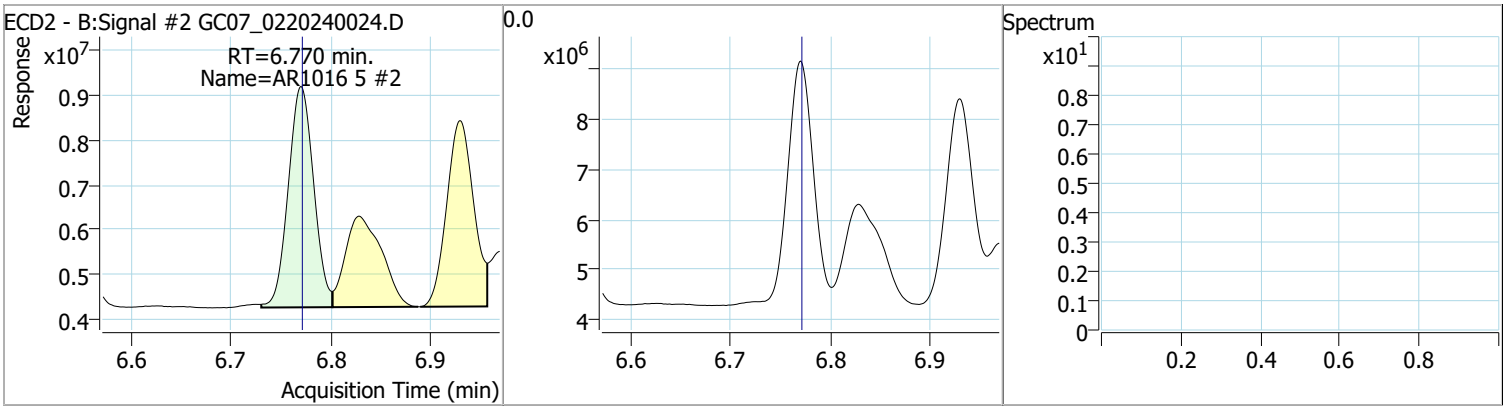

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 1339.7548 | 6.09 | 0.00 | 15297467 (m) | | | | |



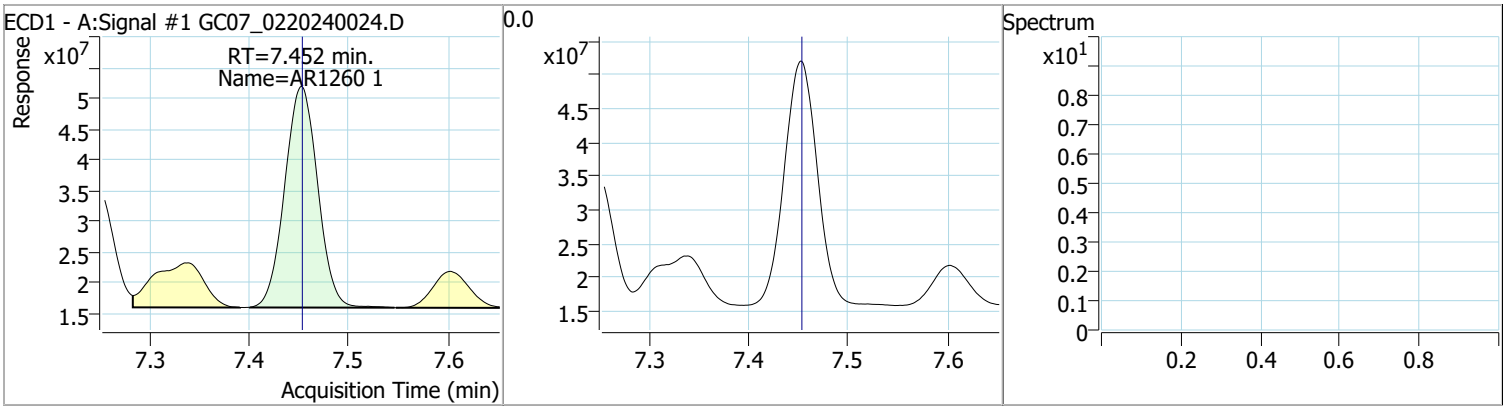

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1395.8989 | 6.23 | 0.00 | 10540182 | | | | |



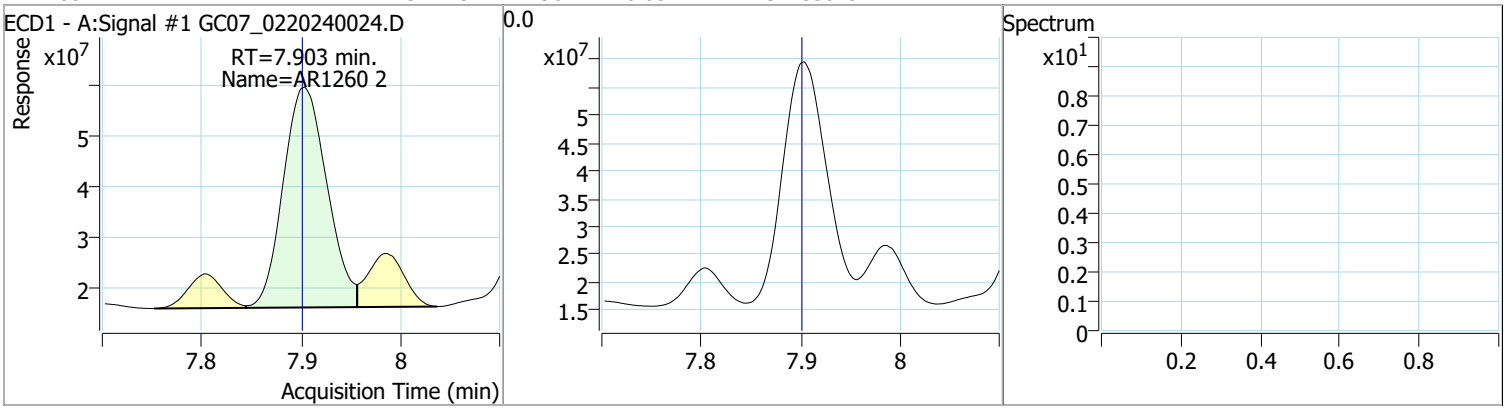

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1424.3291 | 6.77 | 0.00 | 8677034 | | | | |



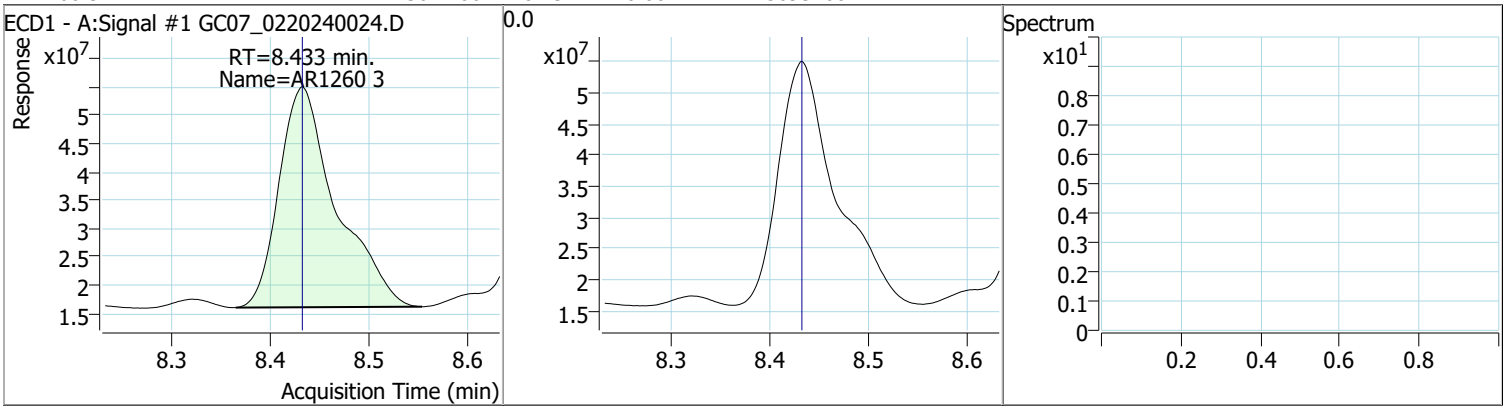
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 1321.7857 | 7.45 | 0.00 | 83731880 | | | | |



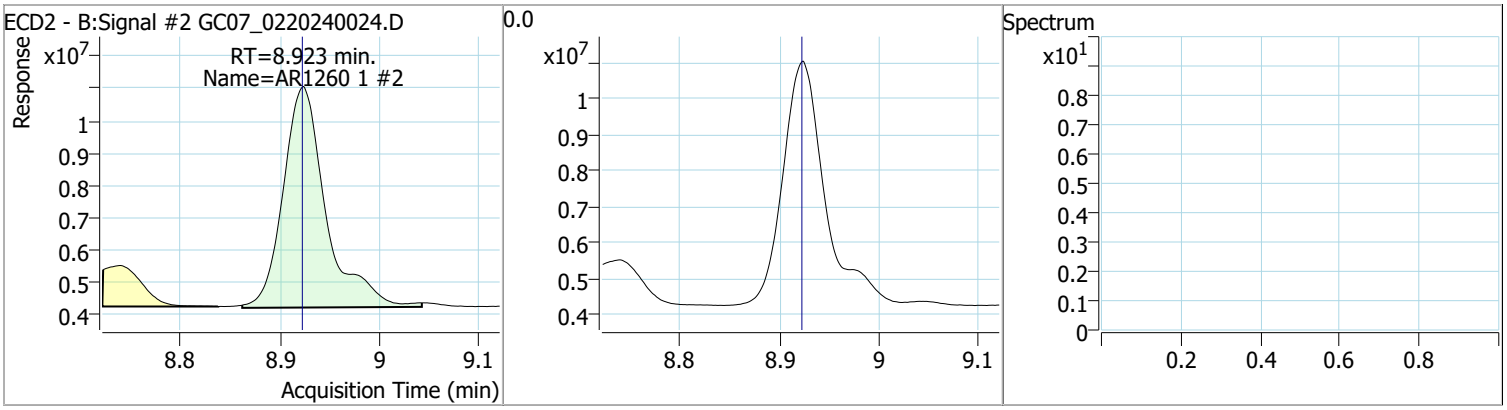

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1321.1317 | 7.90 | 0.00 | 134185645 | | | | |



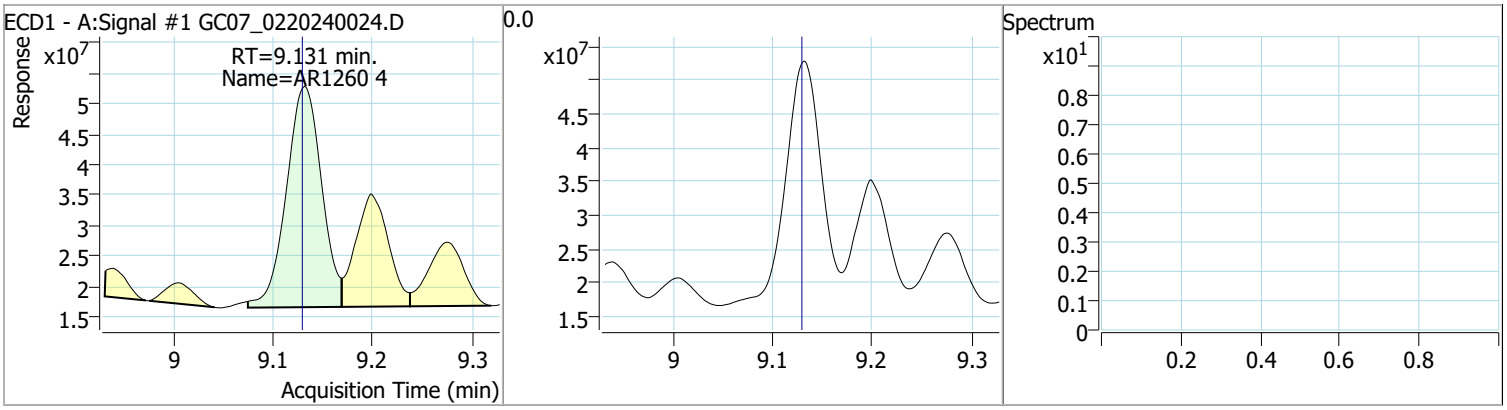

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 1364.2064 | 8.43 | 0.00 | 156932604 | | | | |



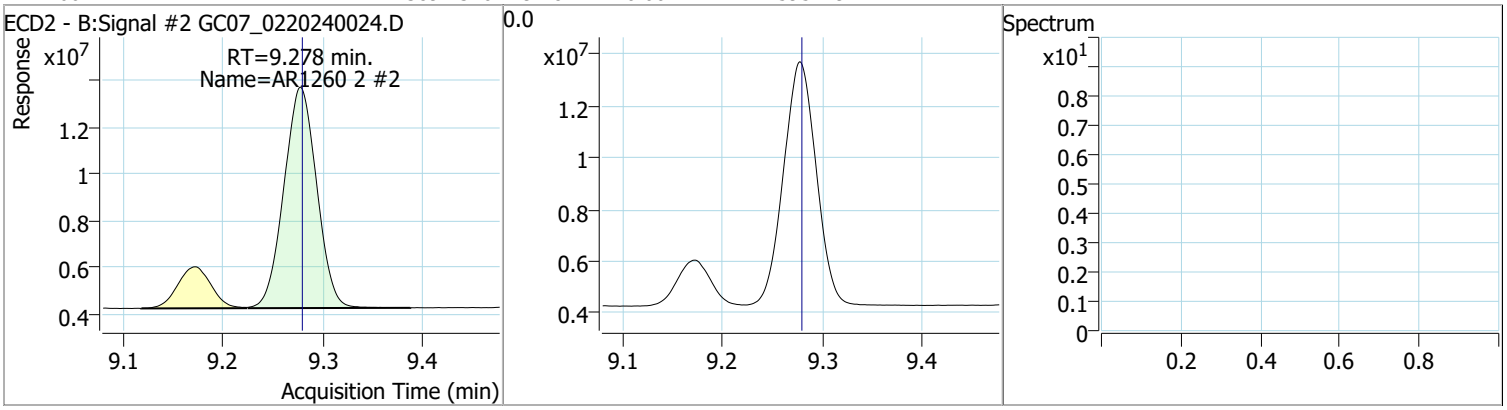

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 1438.7775 | 8.92 | 0.00 | 20449075 | | | | |



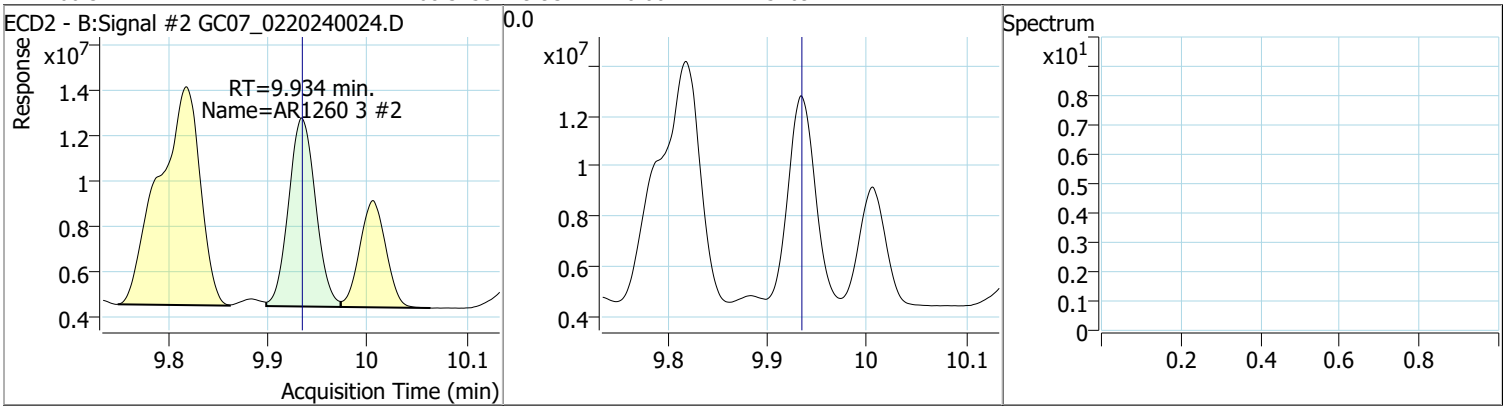
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 1425.9854 | 9.13 | 0.00 | 89510852 | | | | |



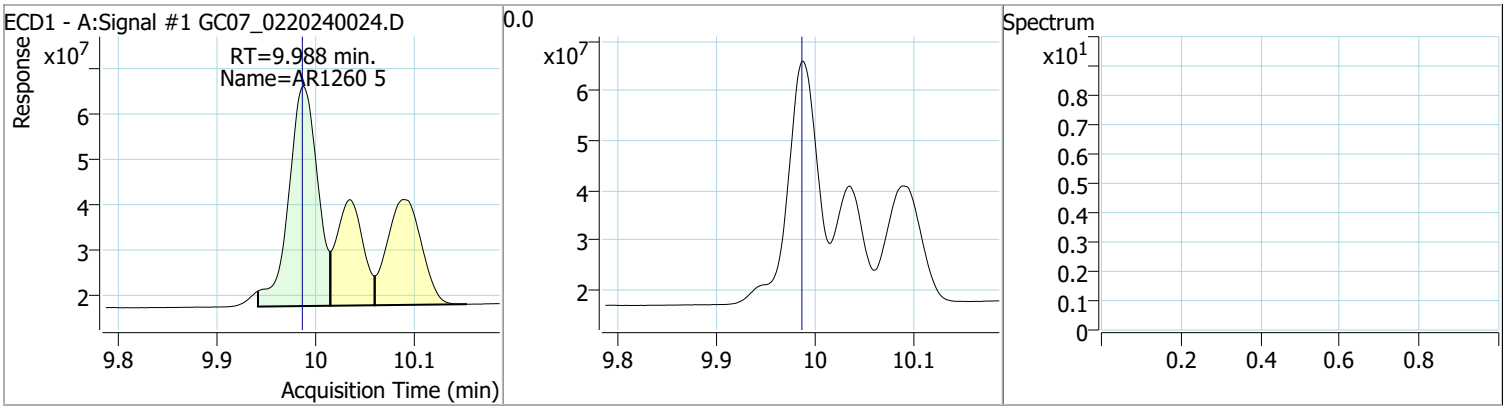

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 1389.4340 | 9.28 | 0.00 | 21595719 | | | | |



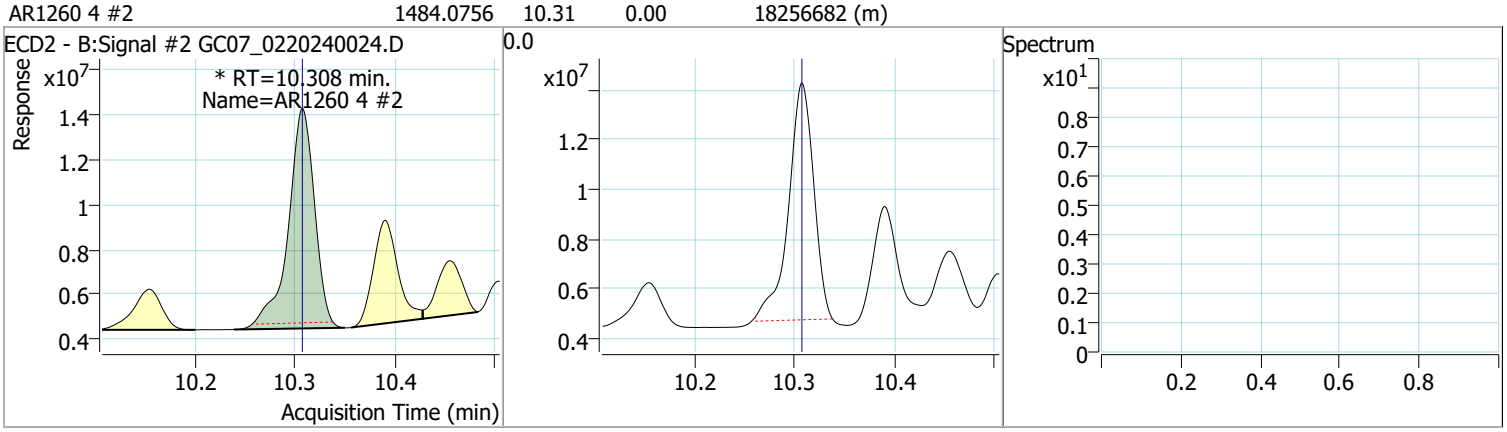

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 1468.3755 | 9.93 | 0.00 | 15709222 | | | | |



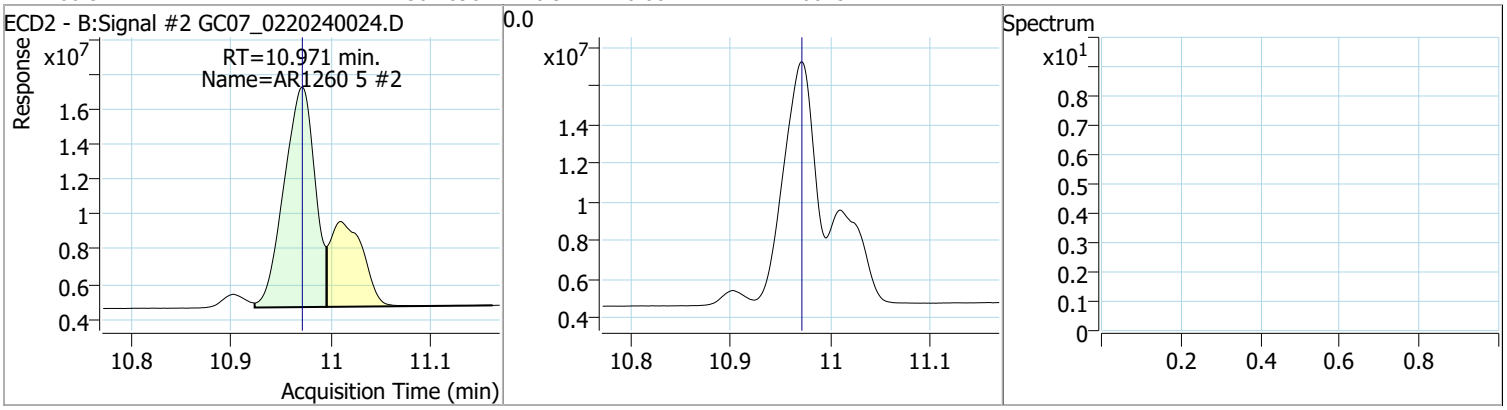

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 1502.4612 | 9.99 | 0.00 | 99426411 | | | | |



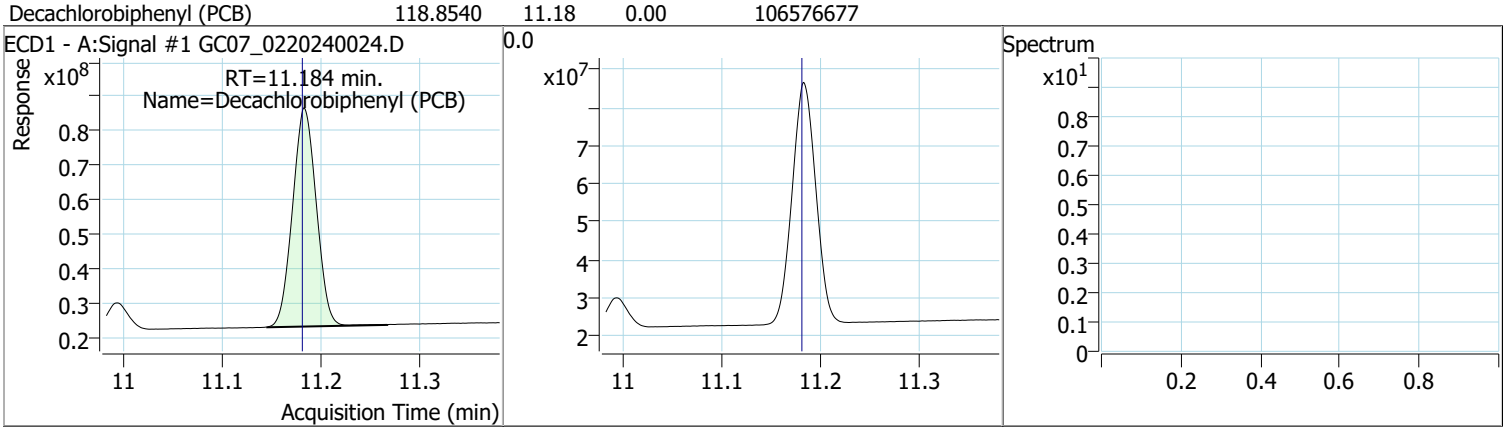
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 1484.0756 | 10.31 | 0.00 | 18256682 (m) | | | | |



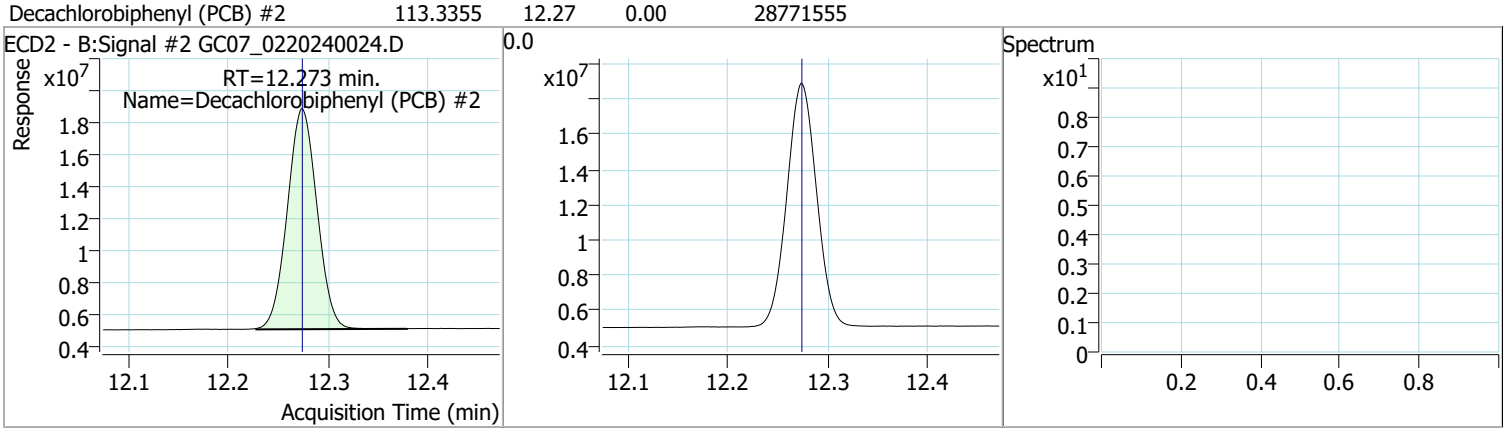

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 1501.8987 | 10.97 | 0.00 | 27276015 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 118.8540 | 11.18 | 0.00 | 106576677 | | | | |

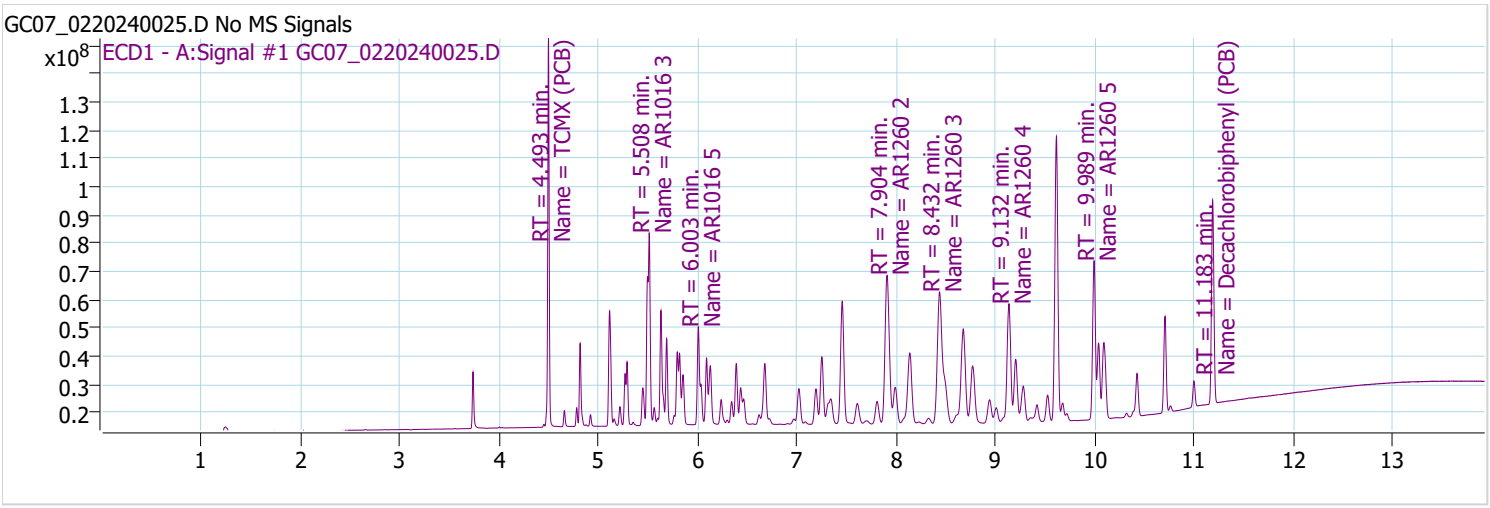


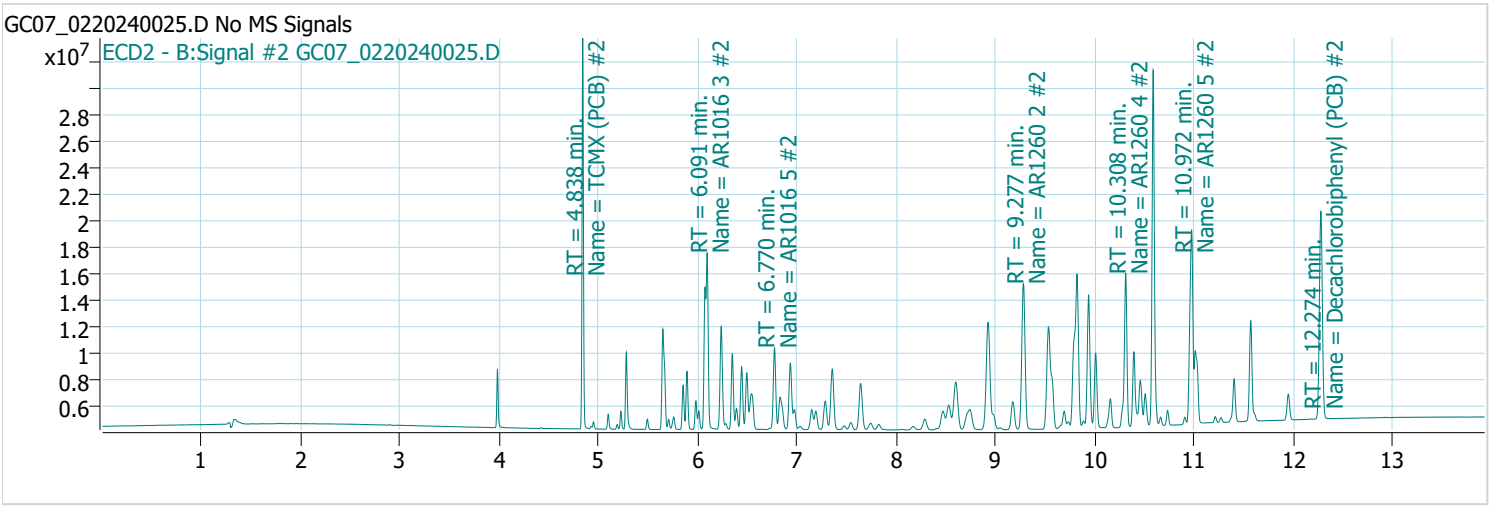

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 113.3355 | 12.27 | 0.00 | 28771555 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240025.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 4:08:52 PM |
| Sample Name | ICAL, S19339 | Instrument | SVOA-GC07 |
| Vial | 139 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 2000 PPB PCB ICAL |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:25:54 PM |
| Ref Library | | | |



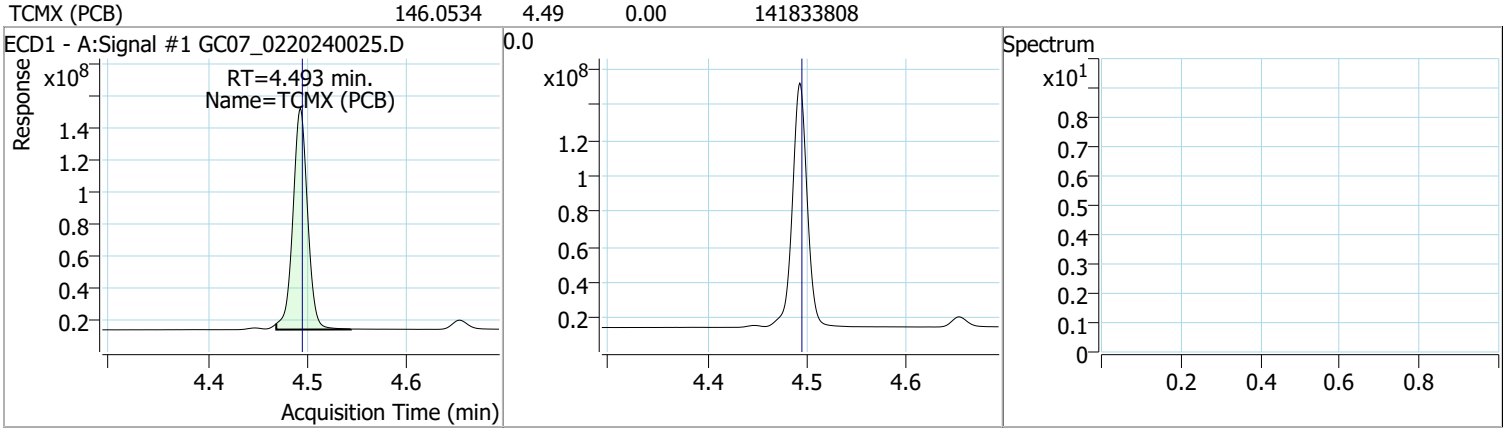




| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.732 | 0.0 | 21361749.492 | 20.0000 | ng/ml | | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.978 | 0.0 | 4272818.492 | 20.0000 | ng/ml | | 0.000 |
| **System Monitoring Compounds** | | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 141833808.262 | 146.0534 | ng/ml | | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 730.27% | | * | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 29532628.719 | 158.5875 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 792.94% | | * | |
| S Decachlorobiphenyl (PCB) | 11.183 | 0.0 | 121935815.147 | 142.8526 | ng/ml | | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 714.26% | | * | |
| S Decachlorobiphenyl (PCB) #2 | 12.274 | 0.0 | 33118610.442 | 136.1670 | ng/ml | | 0.002 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 680.83% | | * | |
| **Target Compounds** | | | | | | | QValue |

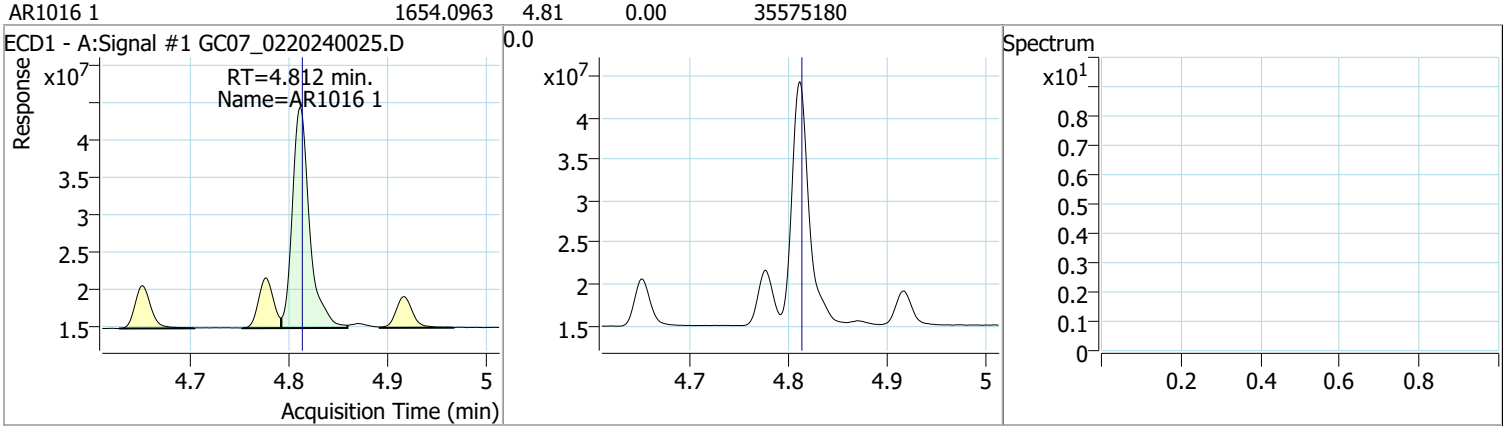
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.812 | 0.0 | 35575180.353 | 1654.0963 | ng/ml | | 100 |
| T AR1016 2 | 5.108 | 0.0 | 63398580.639 | 1674.4366 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.277 | 0.0 | 7223621.646 | 1811.3277 | ng/ml | | 100 |
| T AR1016 3 | 5.508 | 0.0 | 84940252.958 | 1685.9988 | ng/ml | m | 100 |
| T AR1016 4 | 5.626 | 0.0 | 57542604.738 | 1694.6491 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.645 | 0.0 | 14146518.006 | 1778.0874 | ng/ml | | 100 |
| T AR1016 5 | 6.003 | 0.0 | 51494241.315 | 1712.3844 | ng/ml | | 100 |
| T AR1016 3 #2 | 6.091 | 0.0 | 19376119.974 | 1771.2088 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 12971690.712 | 1793.0797 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.770 | 0.0 | 10600906.158 | 1816.2649 | ng/ml | | 100 |
| T AR1260 1 | 7.452 | 0.0 | 100302310.425 | 1663.3612 | ng/ml | | 100 |
| T AR1260 2 | 7.904 | 0.0 | 157909705.273 | 1633.2562 | ng/ml | | 100 |
| T AR1260 3 | 8.432 | 0.0 | 186028582.843 | 1698.8382 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.922 | 0.0 | 24137061.709 | 1772.5624 | ng/ml | | 100 |
| T AR1260 4 | 9.132 | 0.0 | 105679905.961 | 1768.6311 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.277 | 0.0 | 25688695.754 | 1725.0809 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.934 | 0.0 | 18598368.146 | 1814.4894 | ng/ml | | 100 |
| T AR1260 5 | 9.989 | 0.0 | 110182446.514 | 1749.1191 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.308 | 0.0 | 21734846.000 | 1844.1146 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.972 | 0.0 | 31509062.726 | 1810.8913 | ng/ml | | 100 |

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

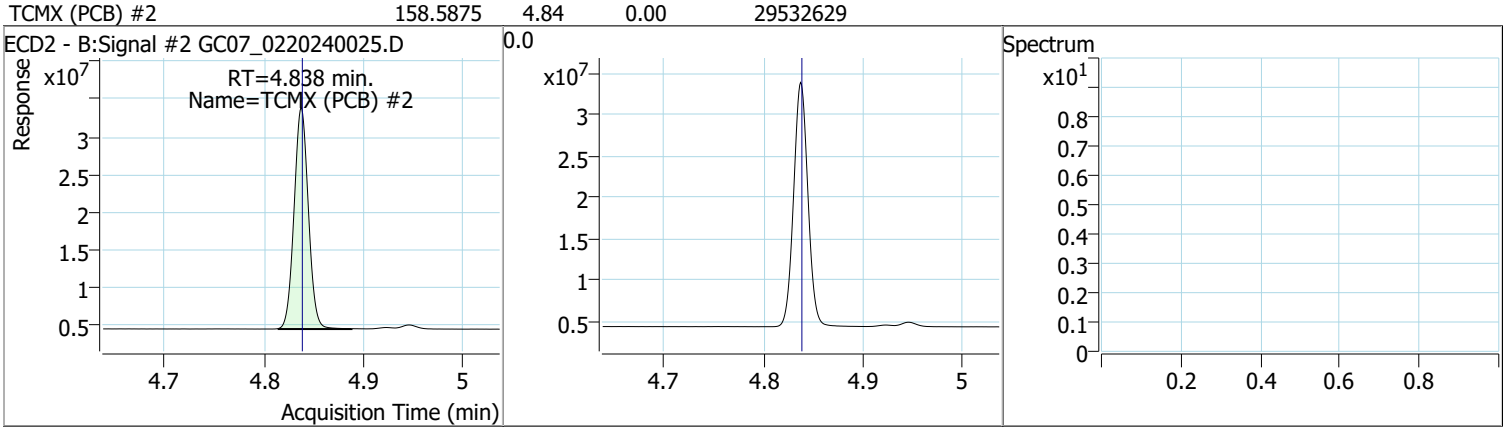
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 146.0534 | 4.49 | 0.00 | 141833808 | | | | |



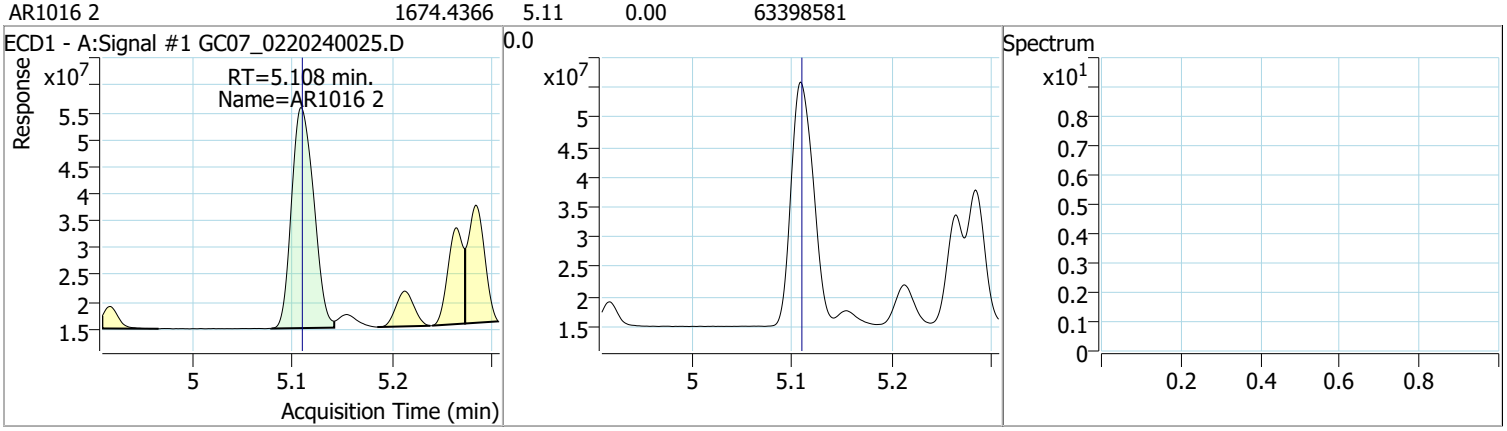

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 1654.0963 | 4.81 | 0.00 | 35575180 | | | | |



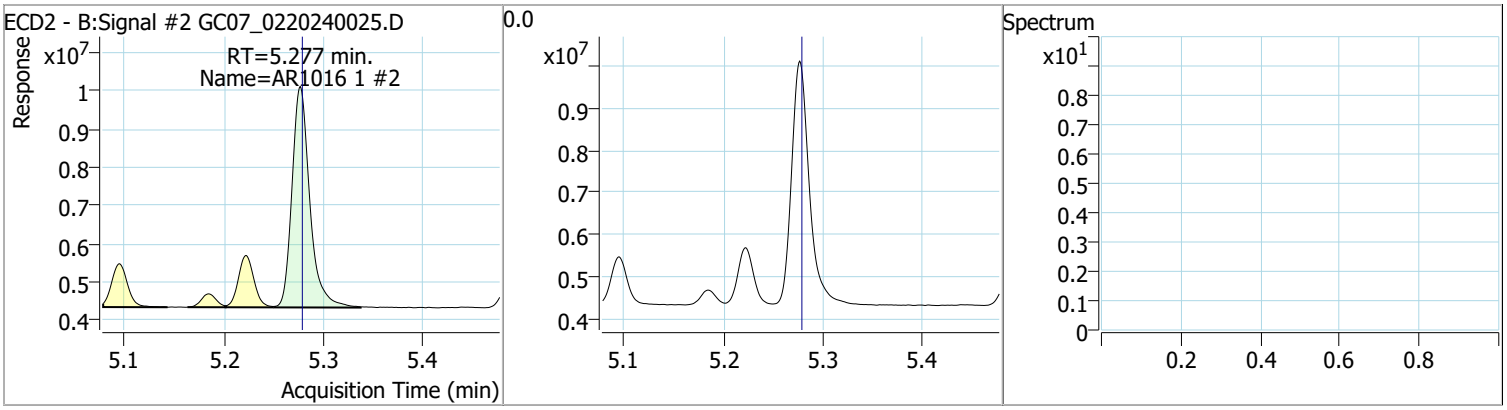

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 158.5875 | 4.84 | 0.00 | 29532629 | | | | |



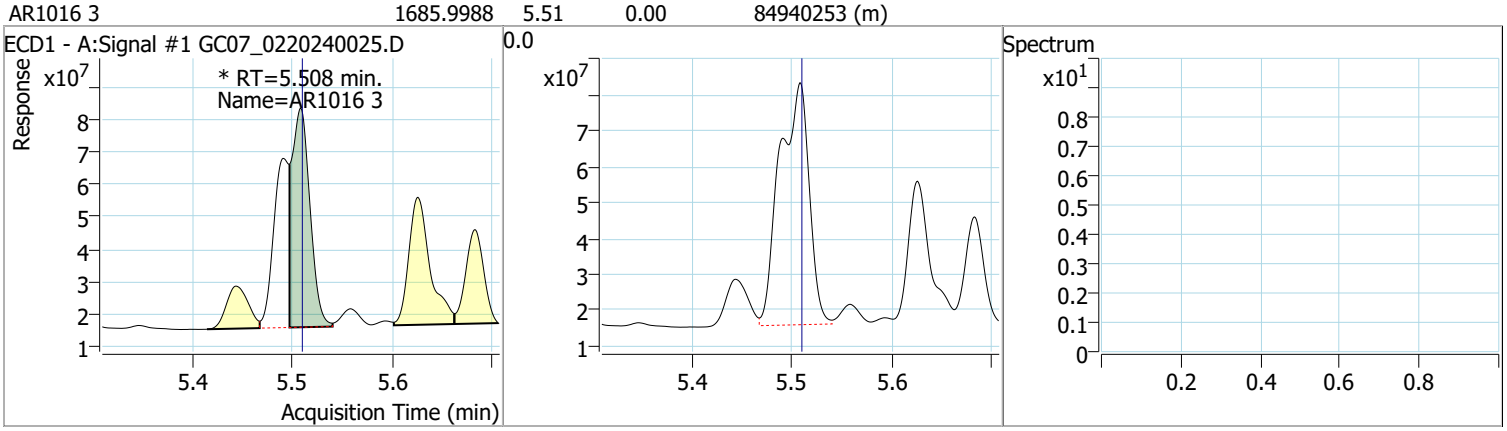

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 1674.4366 | 5.11 | 0.00 | 63398581 | | | | |



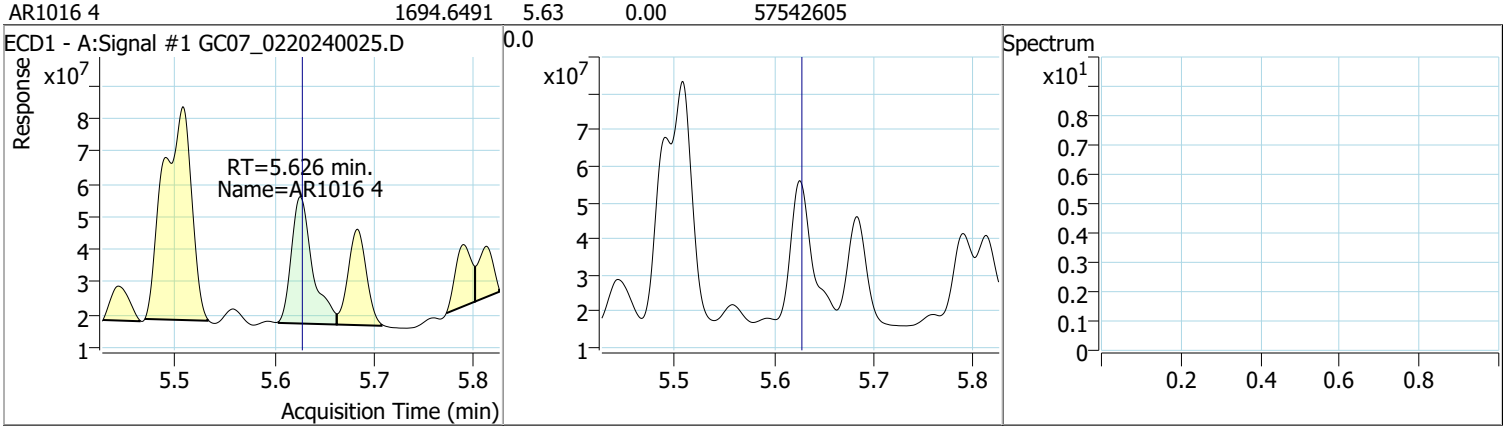
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 1811.3277 | 5.28 | 0.00 | 7223622 | | | | |



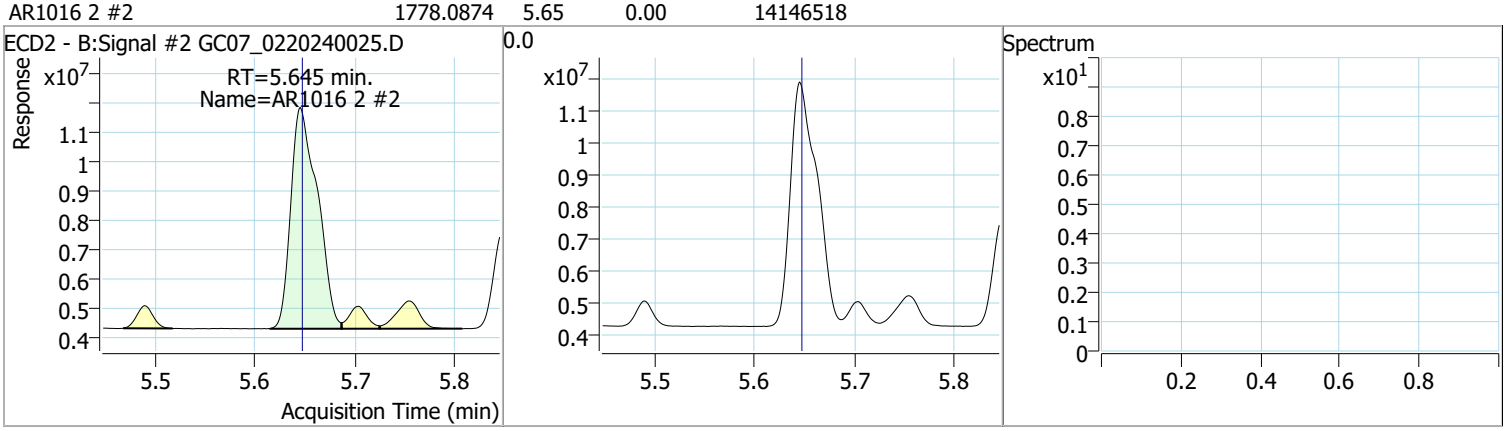

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 1685.9988 | 5.51 | 0.00 | 84940253 (m) | | | | |



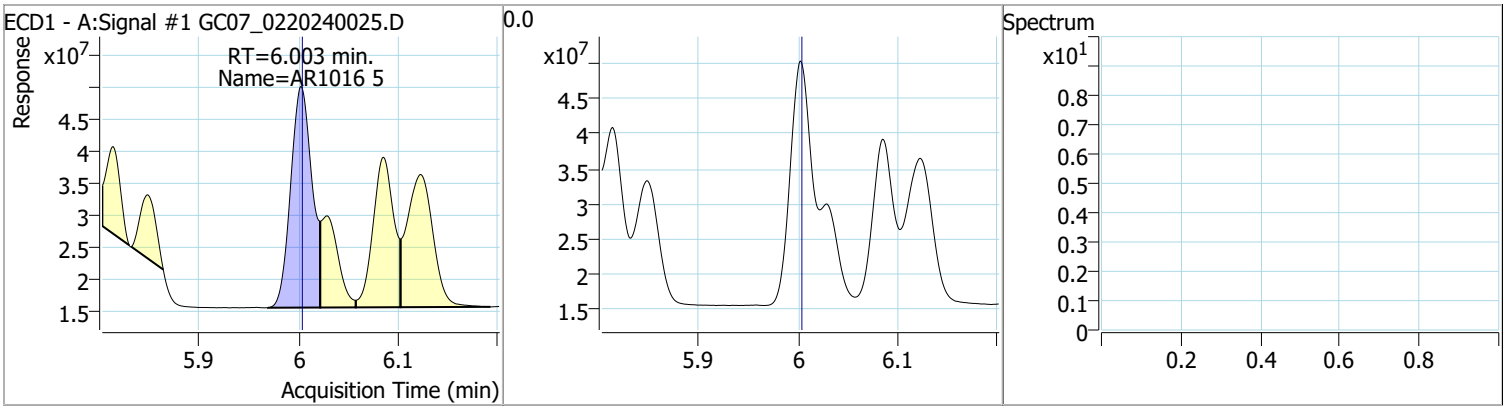

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 1694.6491 | 5.63 | 0.00 | 57542605 | | | | |



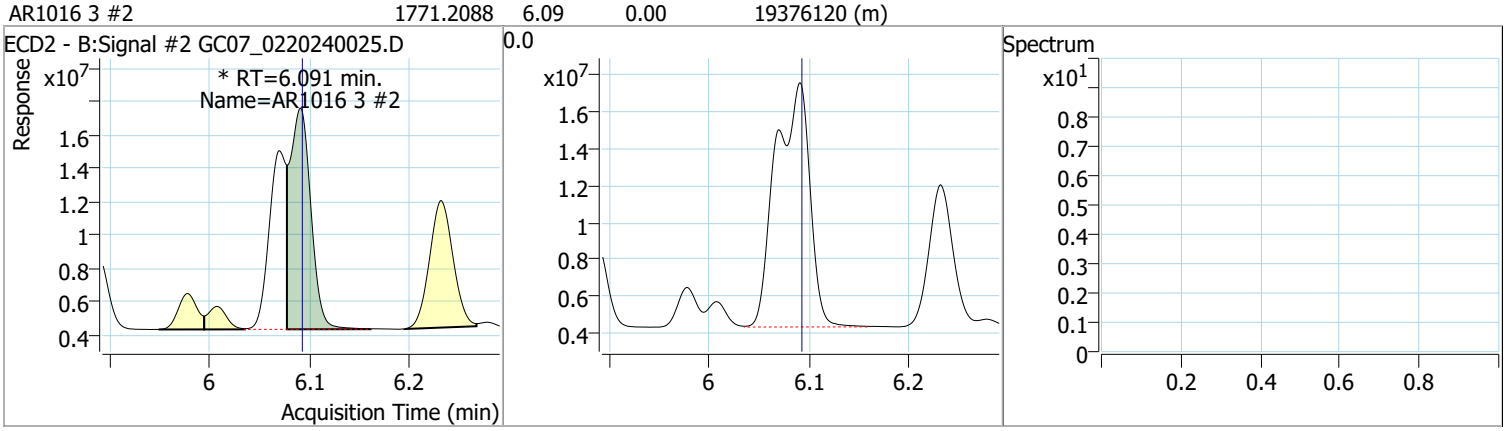

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 1778.0874 | 5.65 | 0.00 | 14146518 | | | | |



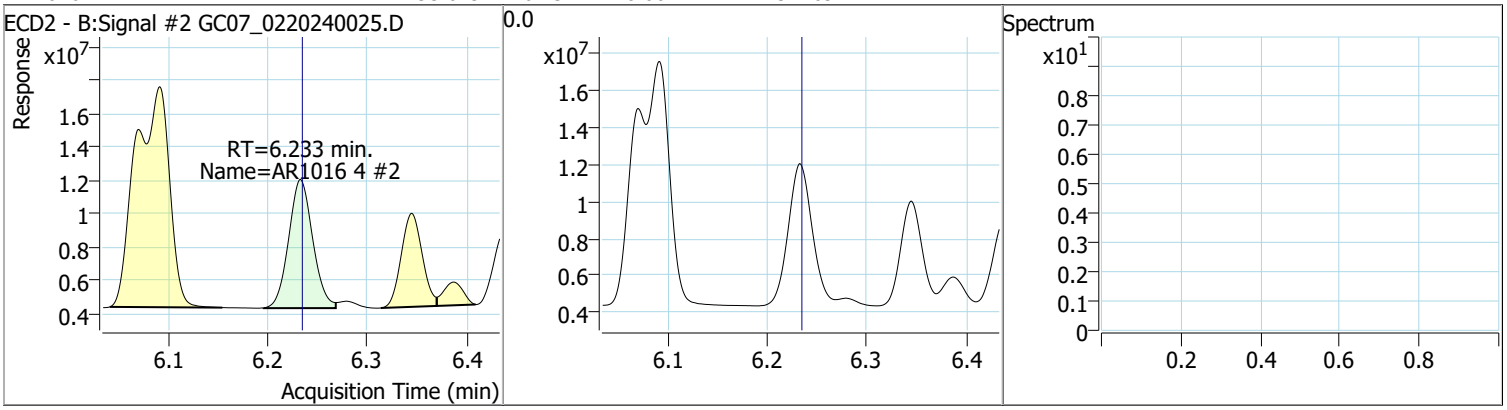
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 1712.3844 | 6.00 | 0.00 | 51494241 | | | | |



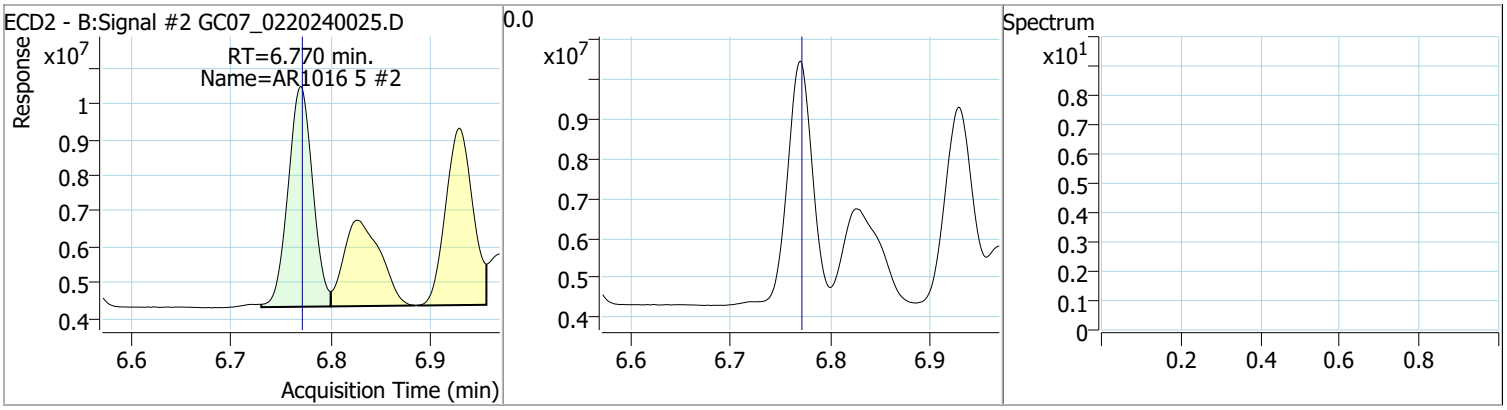

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 1771.2088 | 6.09 | 0.00 | 19376120 (m) | | | | |



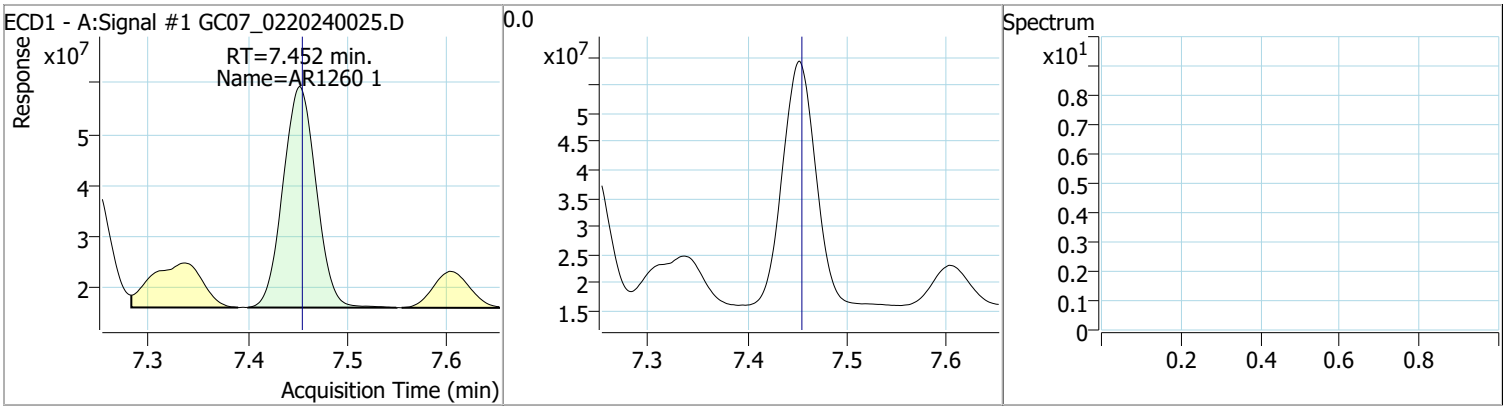

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 1793.0797 | 6.23 | 0.00 | 12971691 | | | | |



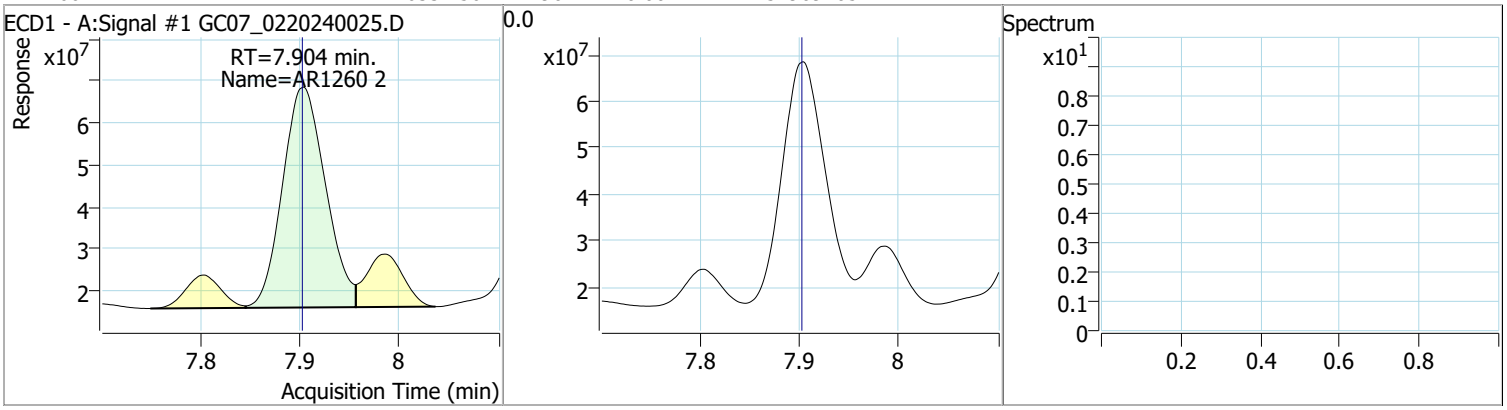

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 1816.2649 | 6.77 | 0.00 | 10600906 | | | | |



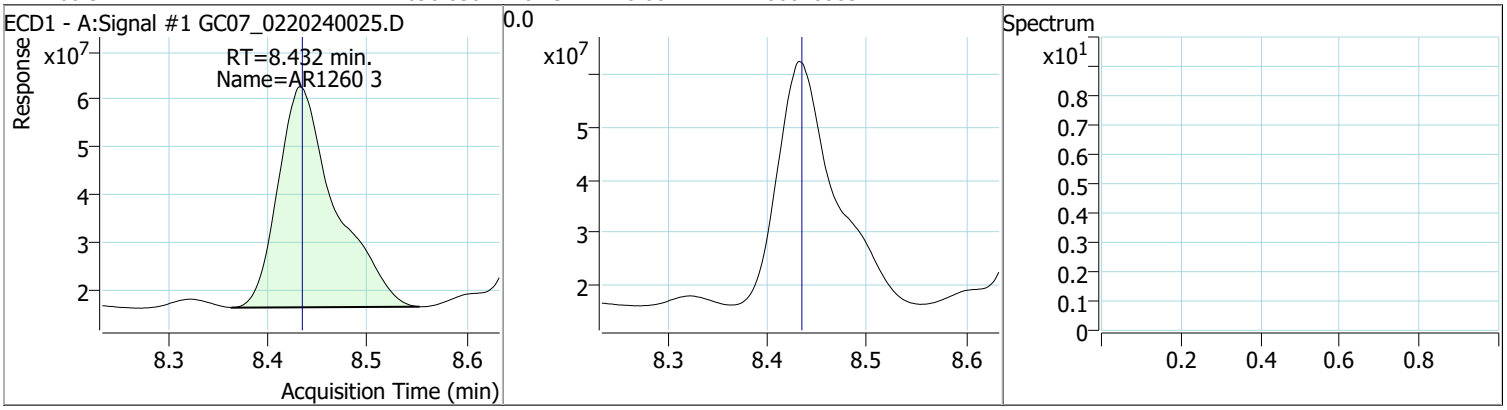
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 1663.3612 | 7.45 | 0.00 | 100302310 | | | | |



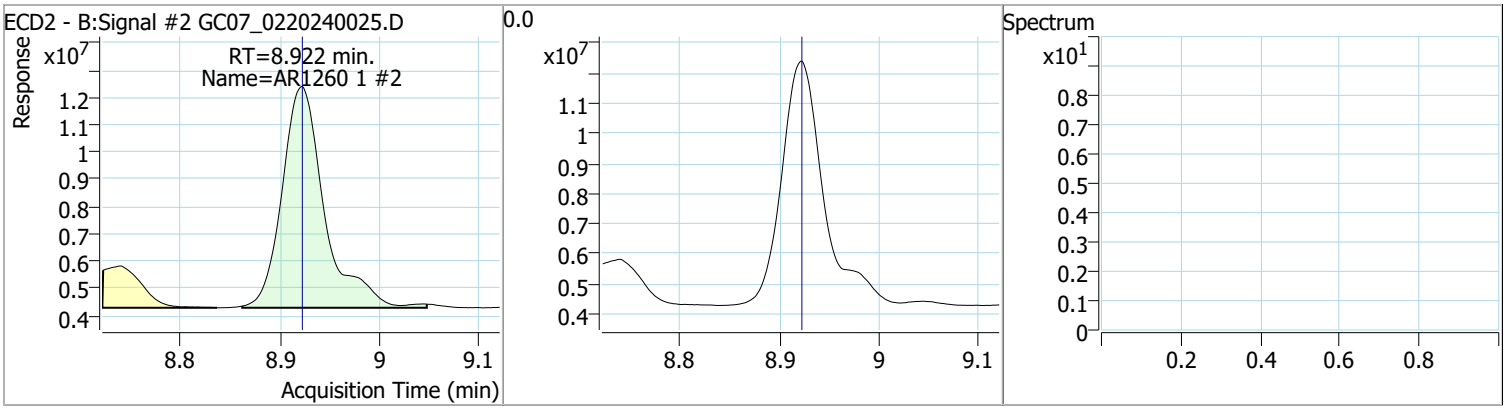

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 1633.2562 | 7.90 | 0.00 | 157909705 | | | | |



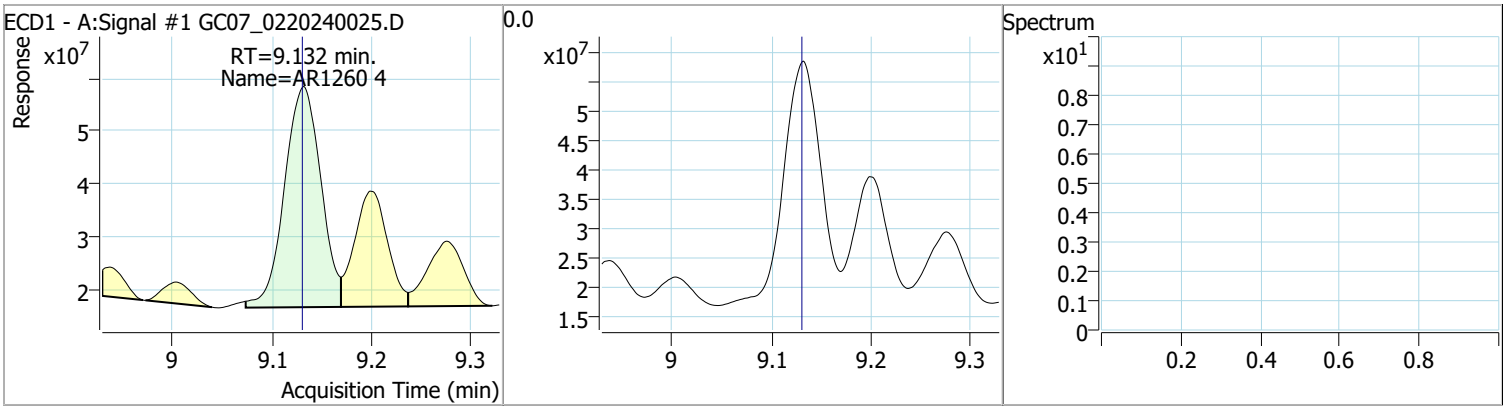

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 1698.8382 | 8.43 | 0.00 | 186028583 | | | | |



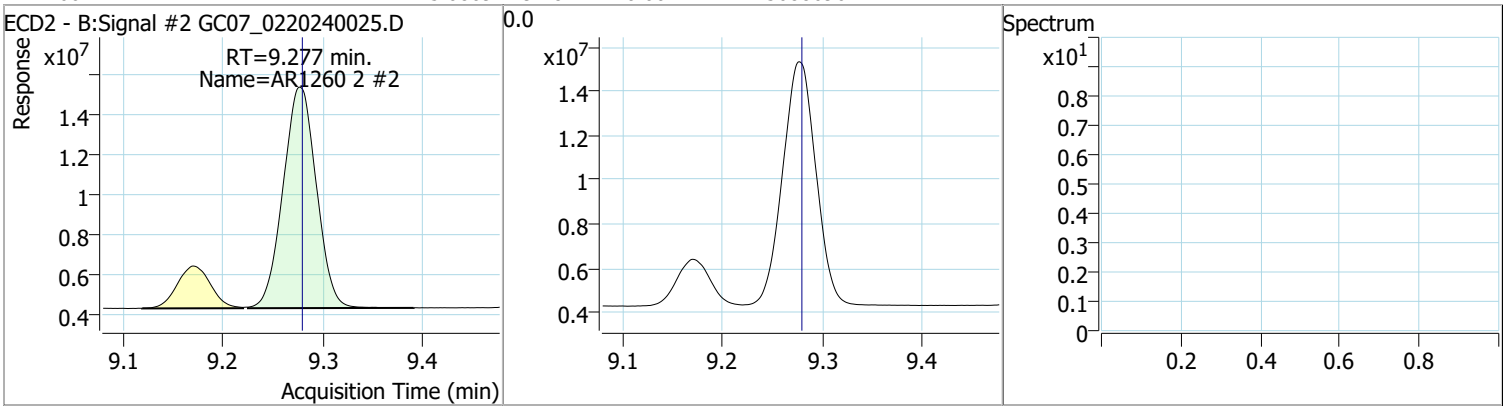

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 1772.5624 | 8.92 | 0.00 | 24137062 | | | | |



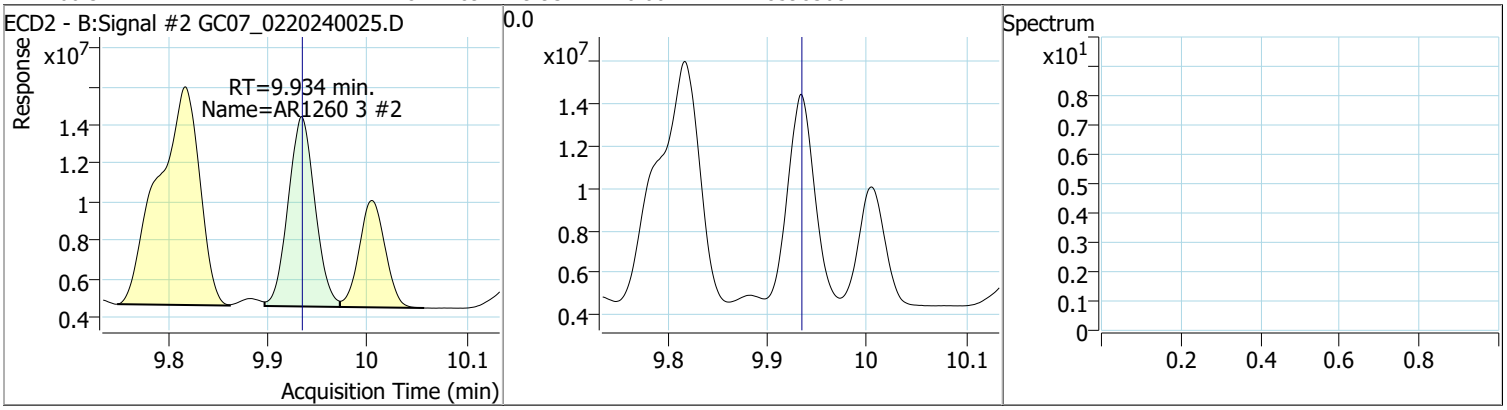
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 1768.6311 | 9.13 | 0.00 | 105679906 | | | | |



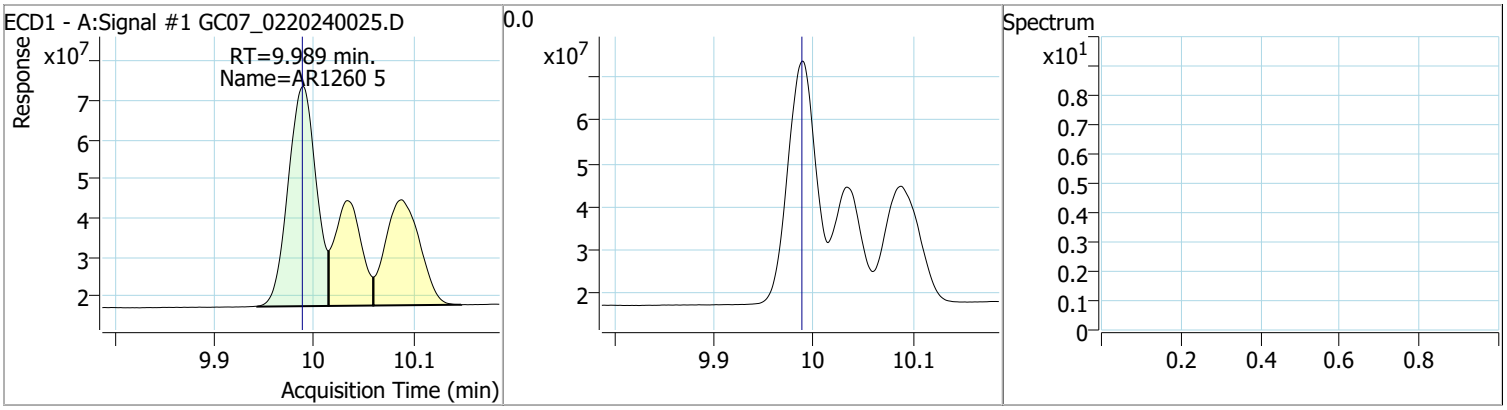

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 1725.0809 | 9.28 | 0.00 | 25688696 | | | | |



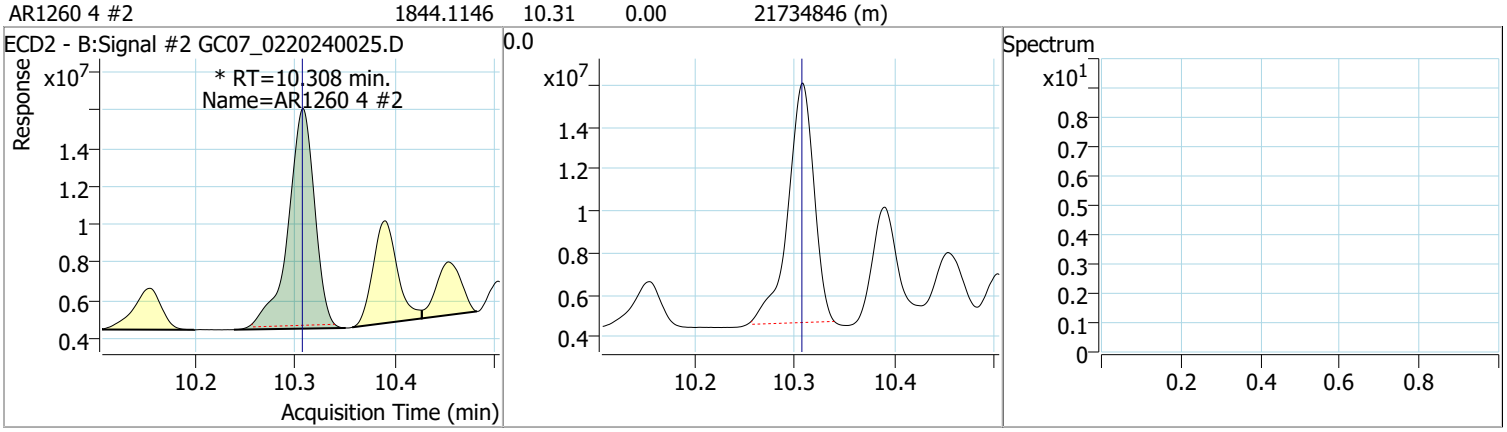

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 1814.4894 | 9.93 | 0.00 | 18598368 | | | | |



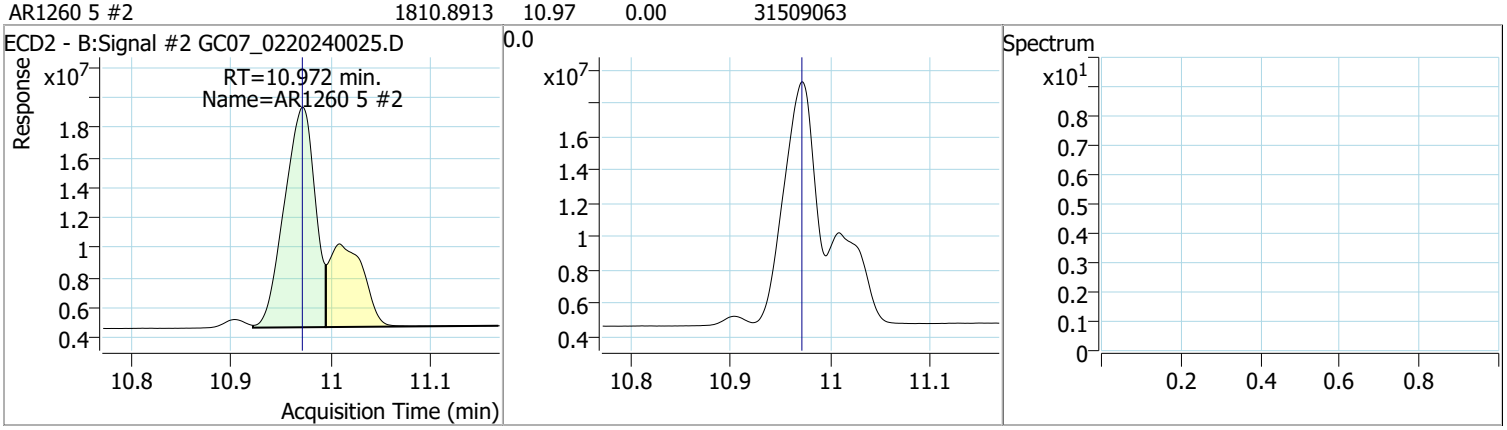

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 1749.1191 | 9.99 | 0.00 | 110182447 | | | | |



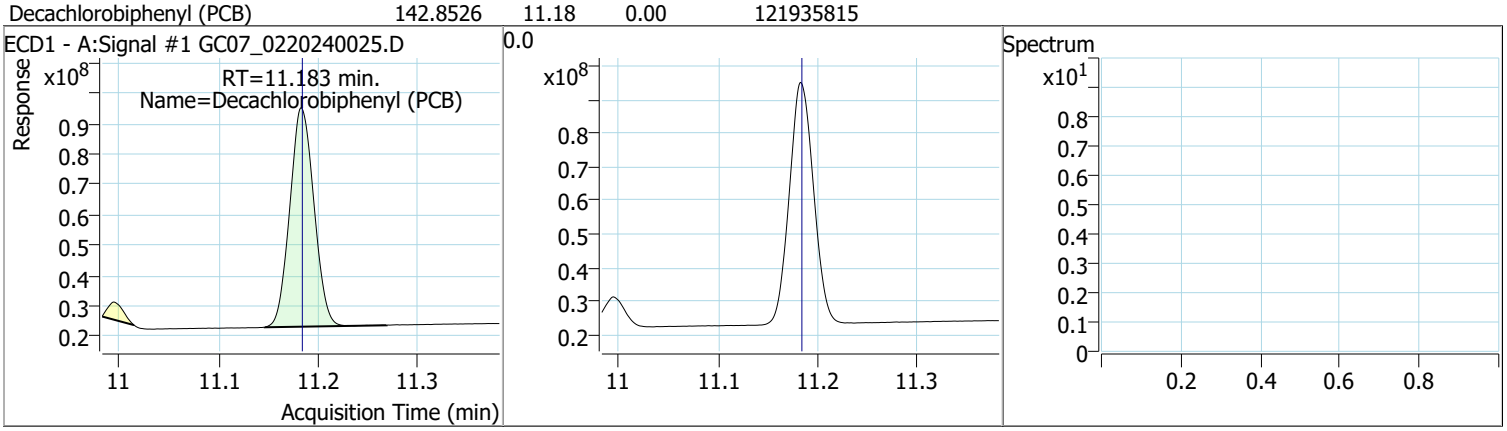
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 1844.1146 | 10.31 | 0.00 | 21734846 (m) | | | | |



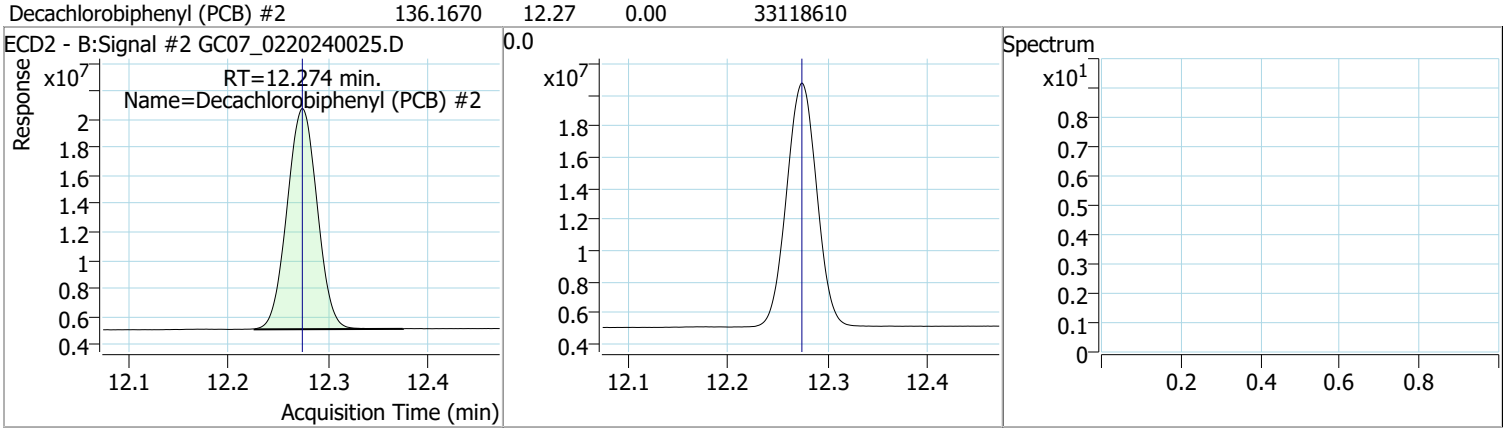

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 1810.8913 | 10.97 | 0.00 | 31509063 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 142.8526 | 11.18 | 0.00 | 121935815 | | | | |

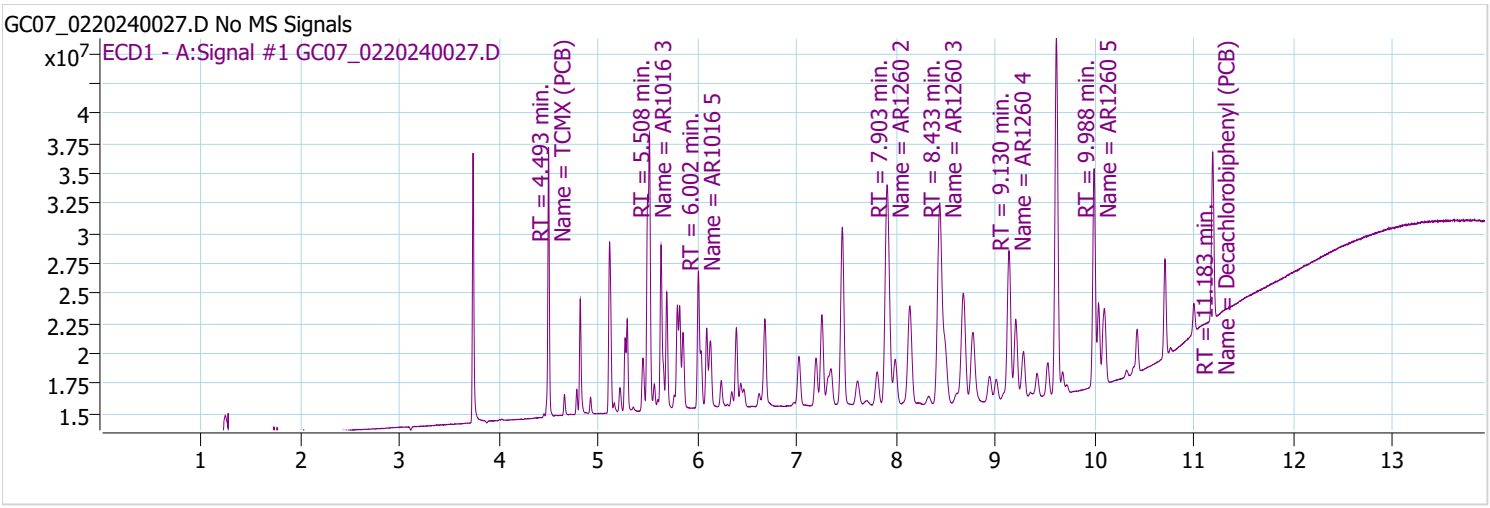


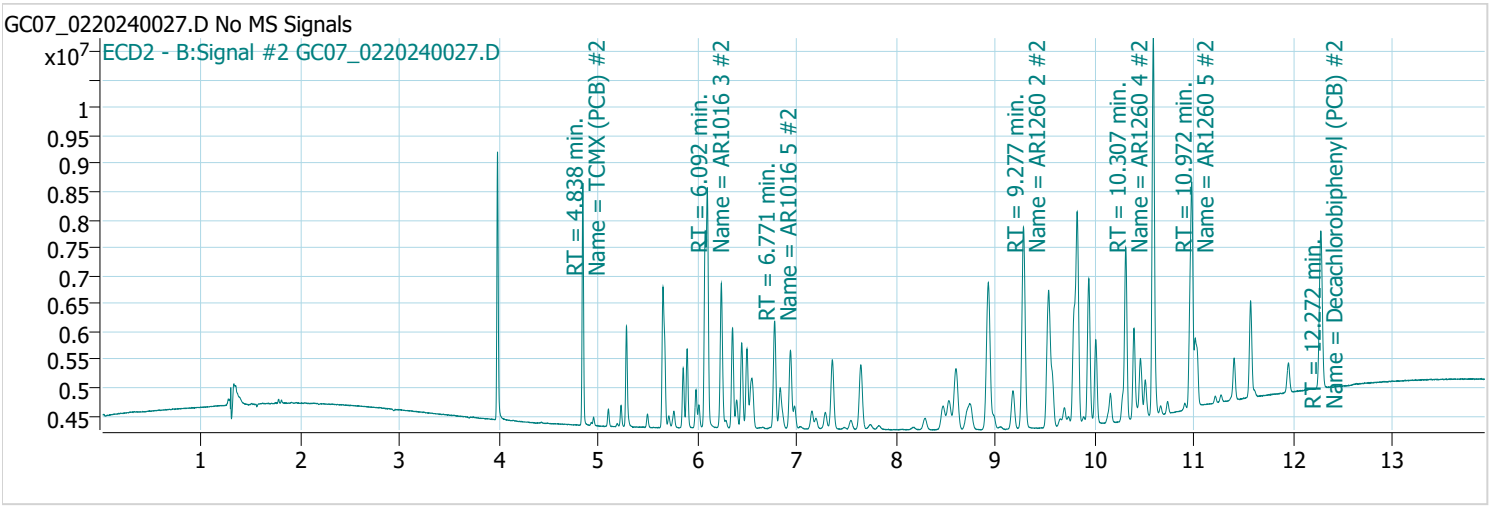

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 136.1670 | 12.27 | 0.00 | 33118610 | | | | |



# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0220240027.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/20/2024 4:43:40 PM |
| Sample Name | ICV, S19897 | Instrument | SVOA-GC07 |
| Vial | 140 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_1.m | Comment | 500 PPB PCB ICV |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022024PCB.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



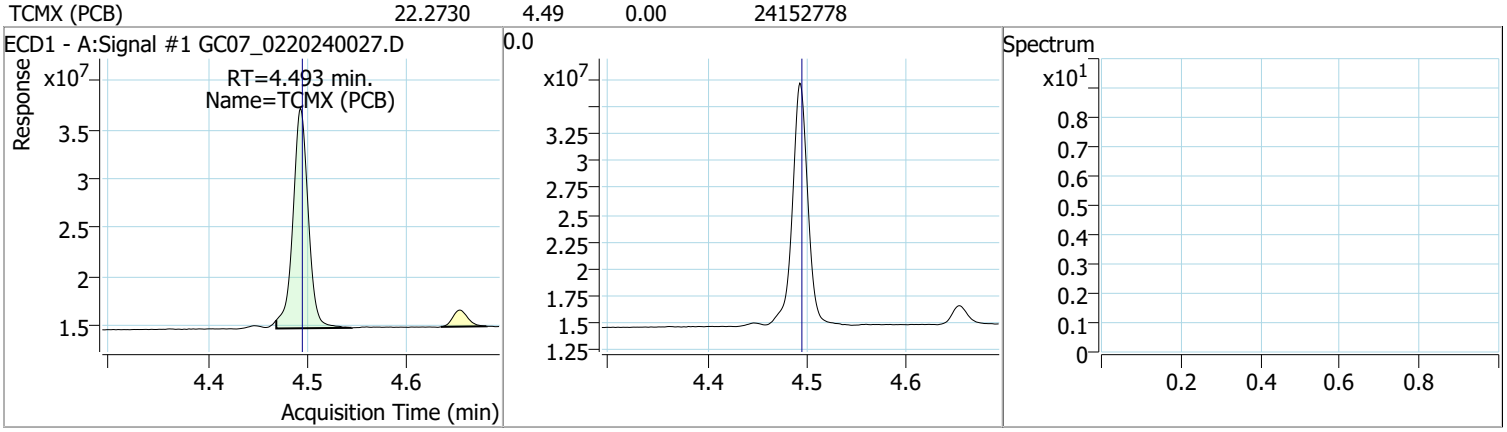




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.732 | 0.0 | 23853798.985 | 20.0000 | ng/ml | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.978 | 0.0 | 4676787.328 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.493 | 0.0 | 24152777.563 | 22.2730 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 111.36% | | |
| S TCMX (PCB) #2 | 4.838 | 0.0 | 4418911.682 | 21.6795 | ng/ml | 0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 108.40% | | |
| S Decachlorobiphenyl (PCB) | 11.183 | 0.0 | 23364685.523 | 24.5130 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 122.56% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.272 | 0.0 | 5901122.048 | 22.1667 | ng/ml | -0.001 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 110.83% | | |
| **Target Compounds** | | | | | | QValue |

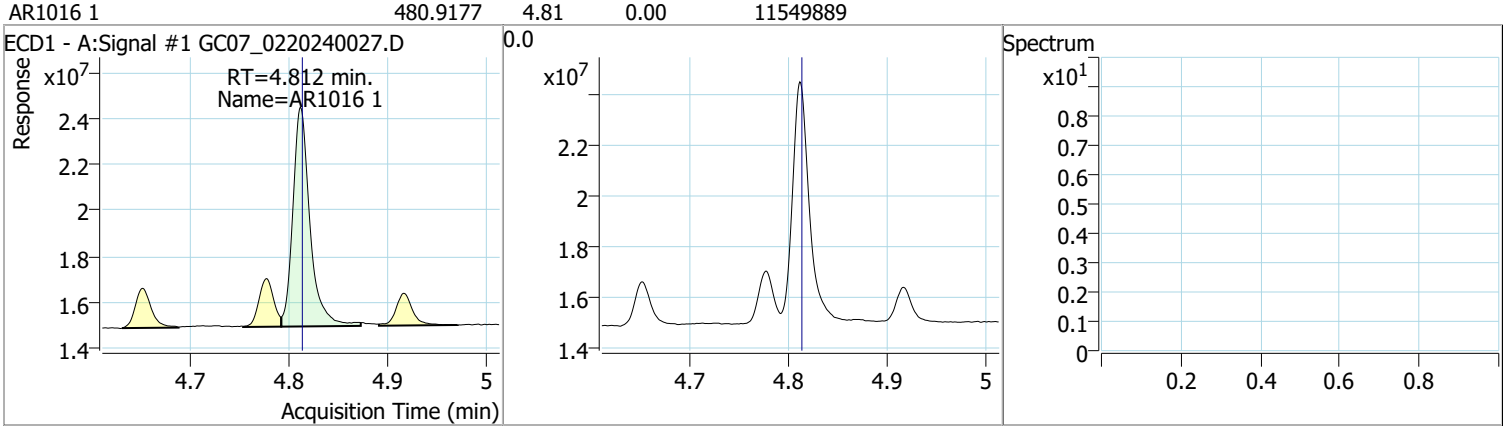
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.812 | 0.0 | 11549889.344 | 480.9177 | ng/ml | | 100 |
| T AR1016 2 | 5.108 | 0.0 | 22067595.985 | 521.9435 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.278 | 0.0 | 2208579.929 | 505.9667 | ng/ml | | 100 |
| T AR1016 3 | 5.508 | 0.0 | 29701521.765 | 527.9608 | ng/ml | m | 100 |
| T AR1016 4 | 5.626 | 0.0 | 20147527.205 | 531.3630 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.646 | 0.0 | 4672682.970 | 536.5827 | ng/ml | | 100 |
| T AR1016 5 | 6.002 | 0.0 | 17129183.235 | 510.1037 | ng/ml | m | 100 |
| T AR1016 3 #2 | 6.092 | 0.0 | 6126820.301 | 511.6876 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.233 | 0.0 | 4193499.299 | 529.5981 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.771 | 0.0 | 3330694.748 | 521.3602 | ng/ml | | 100 |
| T AR1260 1 | 7.452 | 0.0 | 34161192.774 | 507.3269 | ng/ml | | 100 |
| T AR1260 2 | 7.903 | 0.0 | 55548480.371 | 514.5137 | ng/ml | | 100 |
| T AR1260 3 | 8.433 | 0.0 | 64684211.939 | 528.9930 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.923 | 0.0 | 7388463.766 | 495.7219 | ng/ml | | 100 |
| T AR1260 4 | 9.130 | 0.0 | 30683505.322 | 447.4061 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.277 | 0.0 | 8220058.175 | 504.3234 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.935 | 0.0 | 4824360.446 | 430.0175 | ng/ml | | 100 |
| T AR1260 5 | 9.988 | 0.0 | 34501457.187 | 490.4827 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.307 | 0.0 | 5900080.150 | 457.3578 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.972 | 0.0 | 8609883.736 | 441.6342 | ng/ml | | 100 |

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

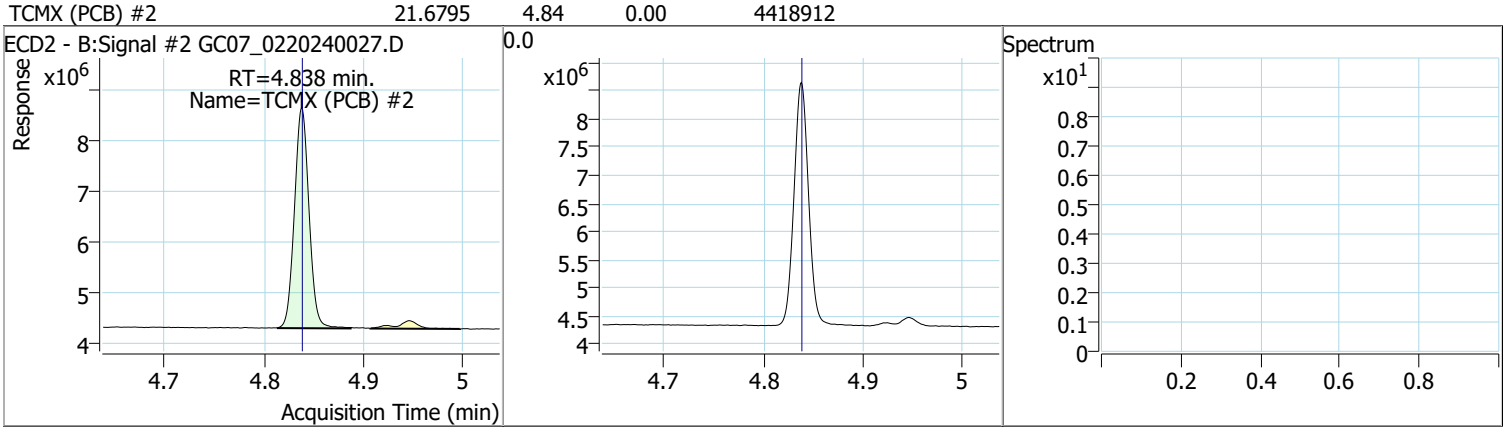
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 22.2730 | 4.49 | 0.00 | 24152778 | | | | |



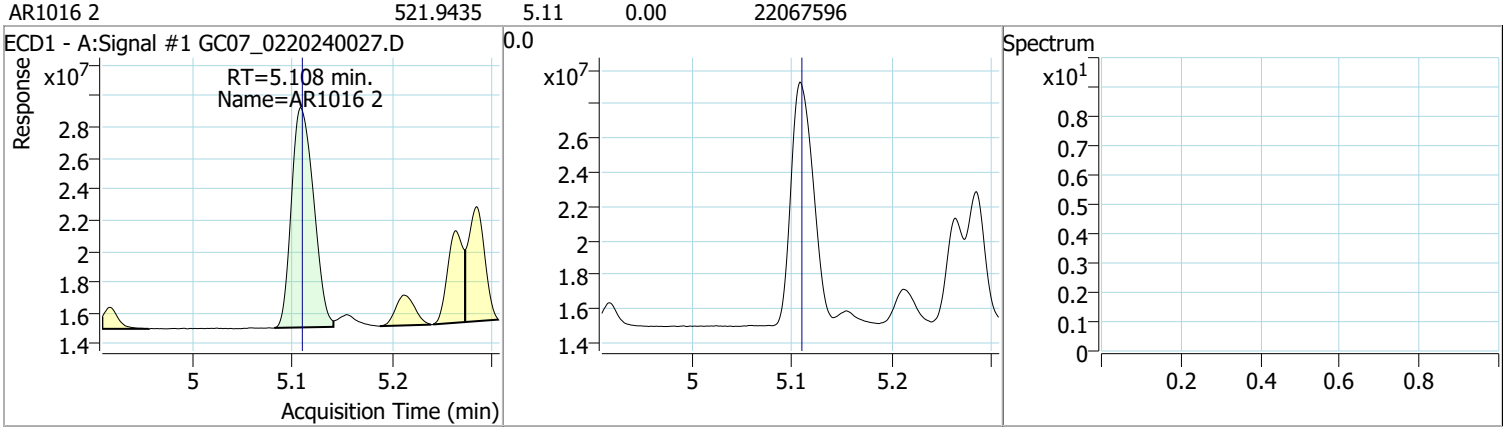

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 480.9177 | 4.81 | 0.00 | 11549889 | | | | |



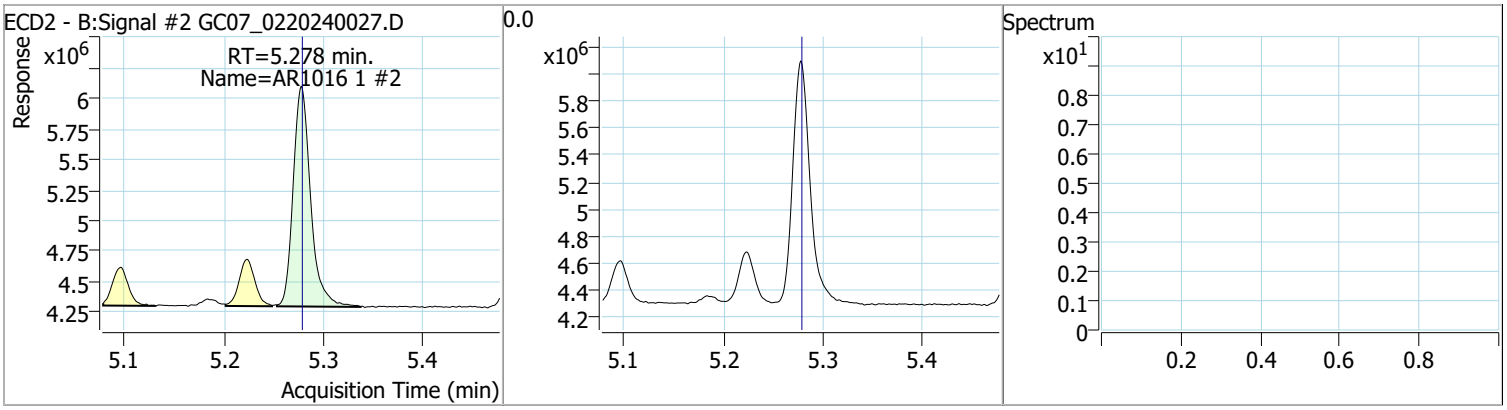

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 21.6795 | 4.84 | 0.00 | 4418912 | | | | |



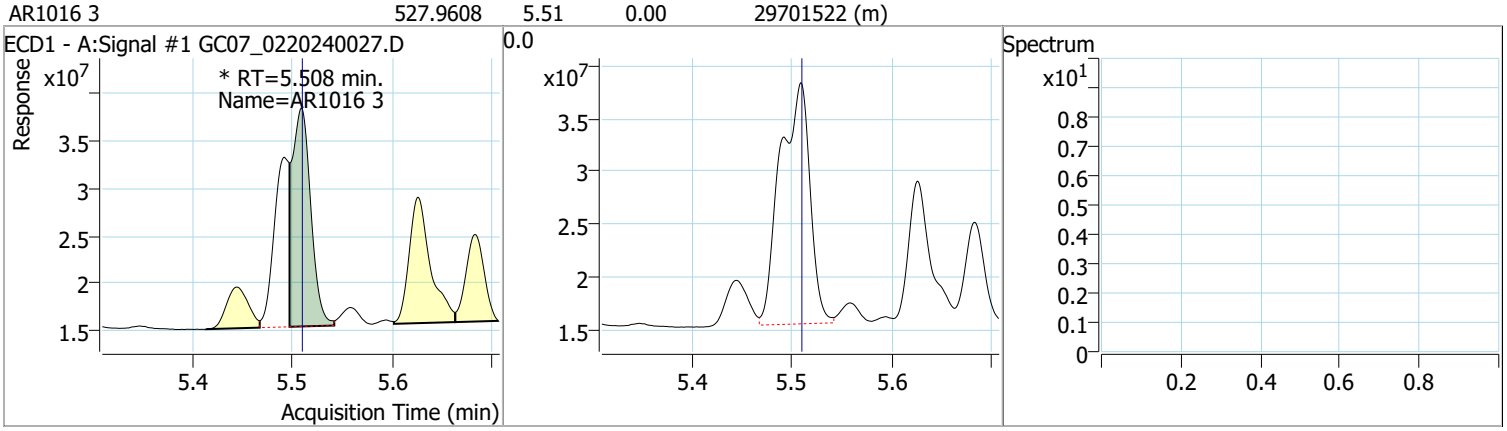

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 521.9435 | 5.11 | 0.00 | 22067596 | | | | |



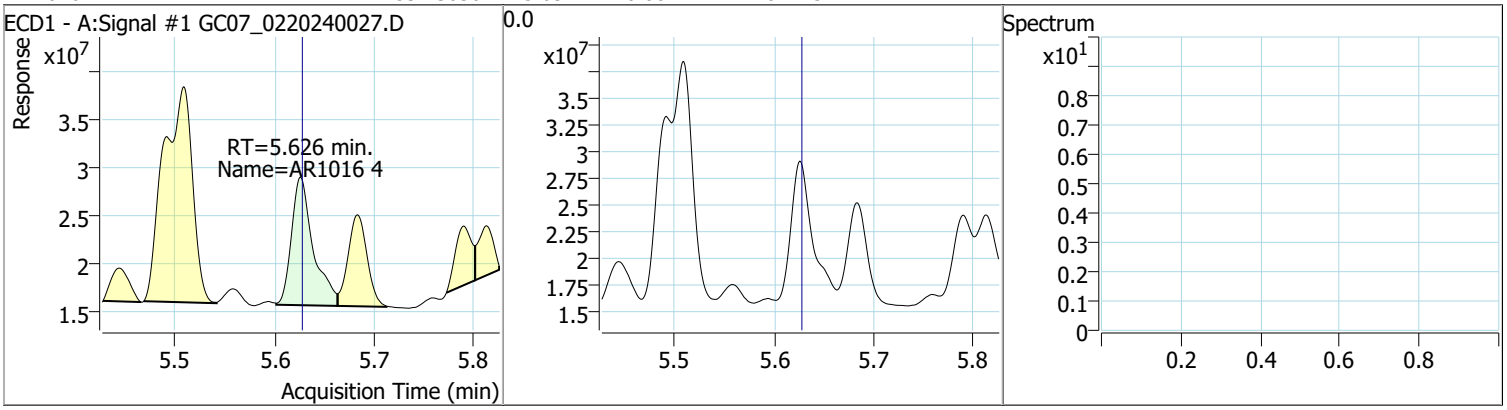
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 505.9667 | 5.28 | 0.00 | 2208580 | | | | |



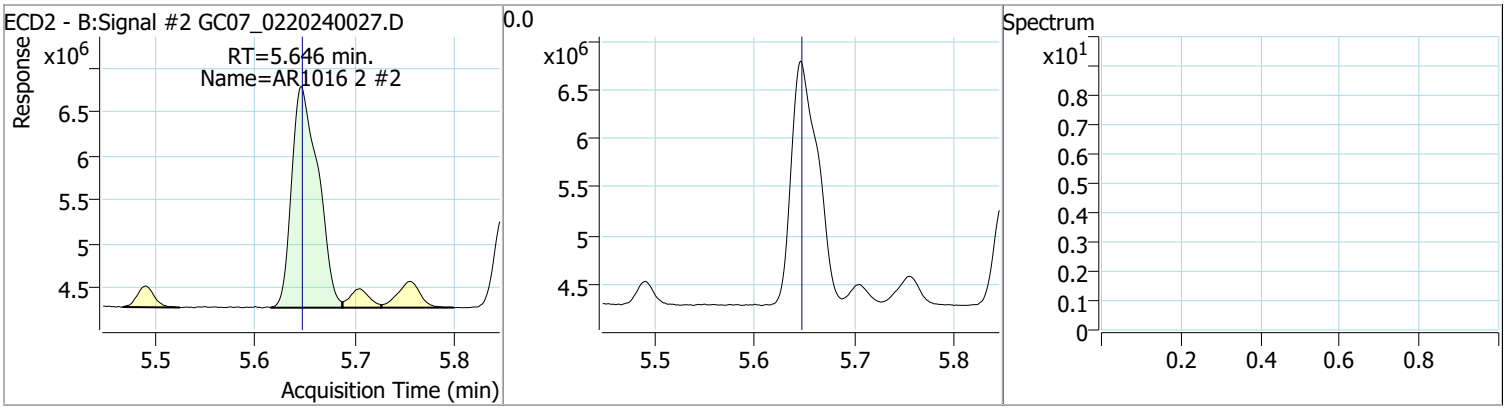

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 527.9608 | 5.51 | 0.00 | 29701522 (m) | | | | |



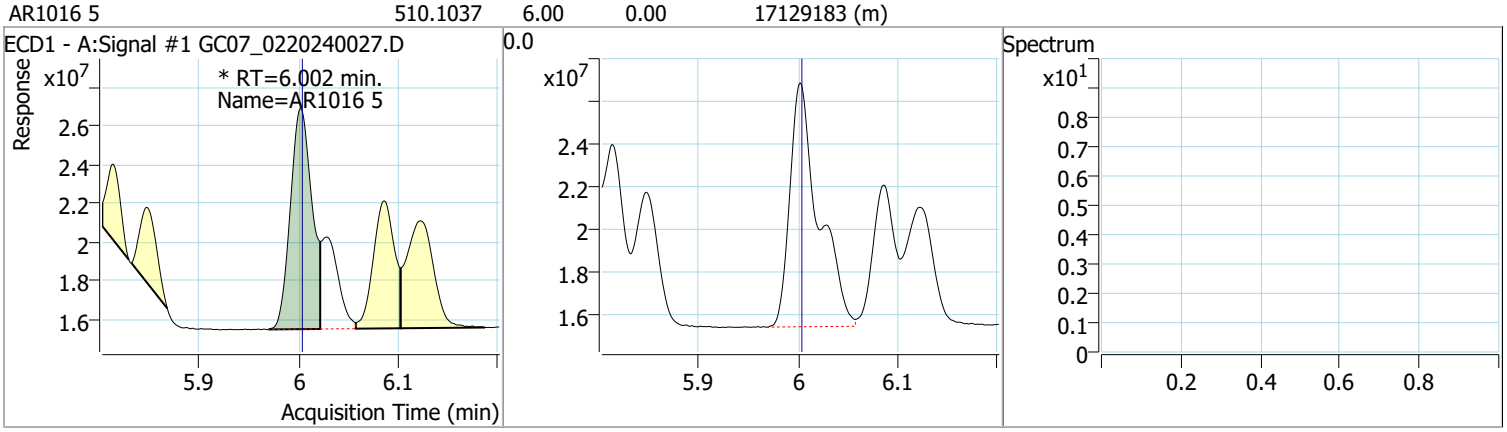

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 531.3630 | 5.63 | 0.00 | 20147527 | | | | |



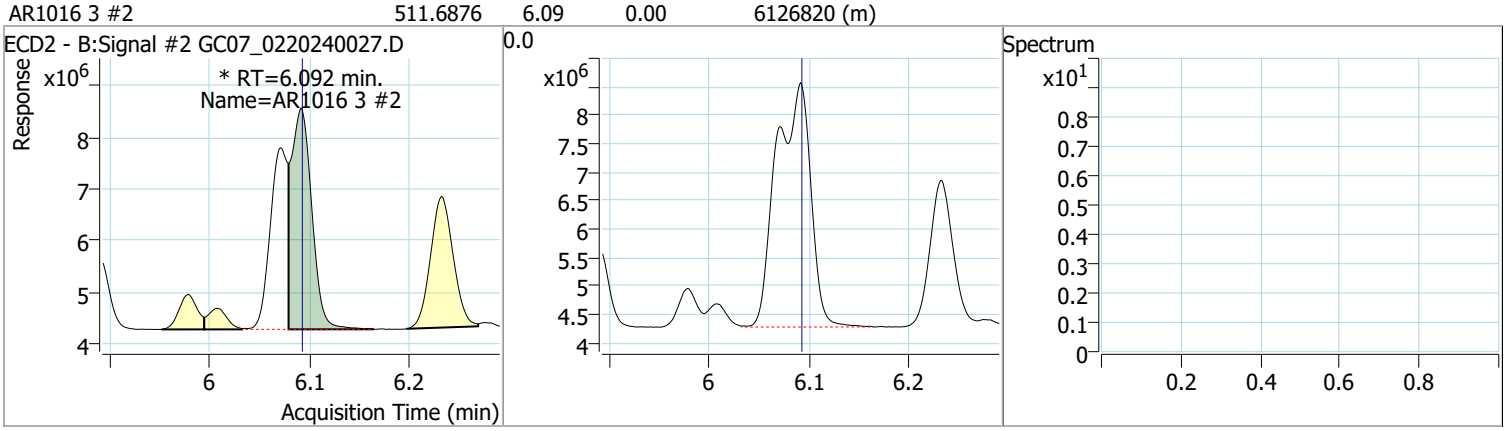

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 536.5827 | 5.65 | 0.00 | 4672683 | | | | |



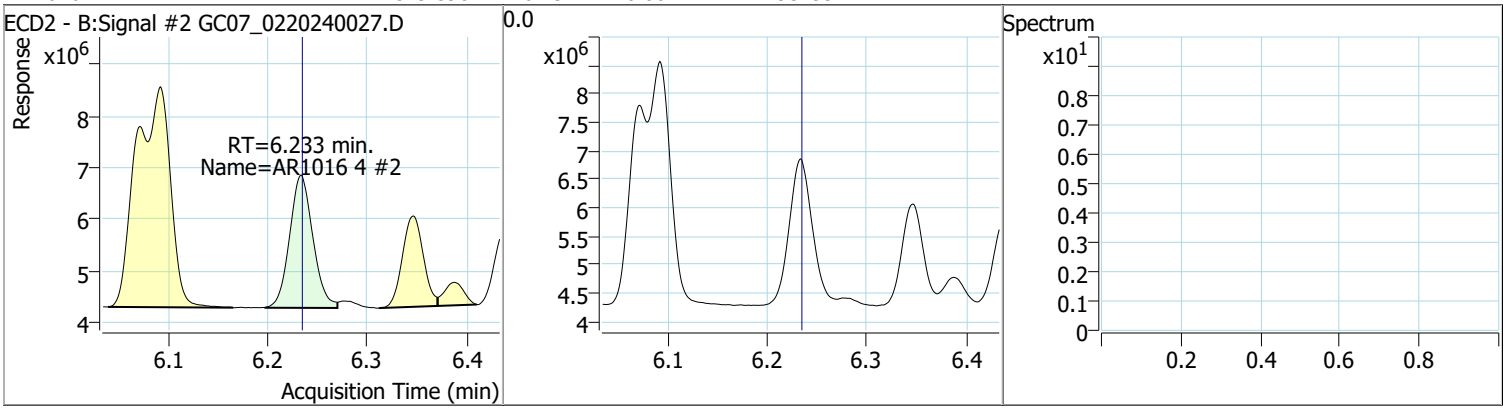
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 510.1037 | 6.00 | 0.00 | 17129183 (m) | | | | |



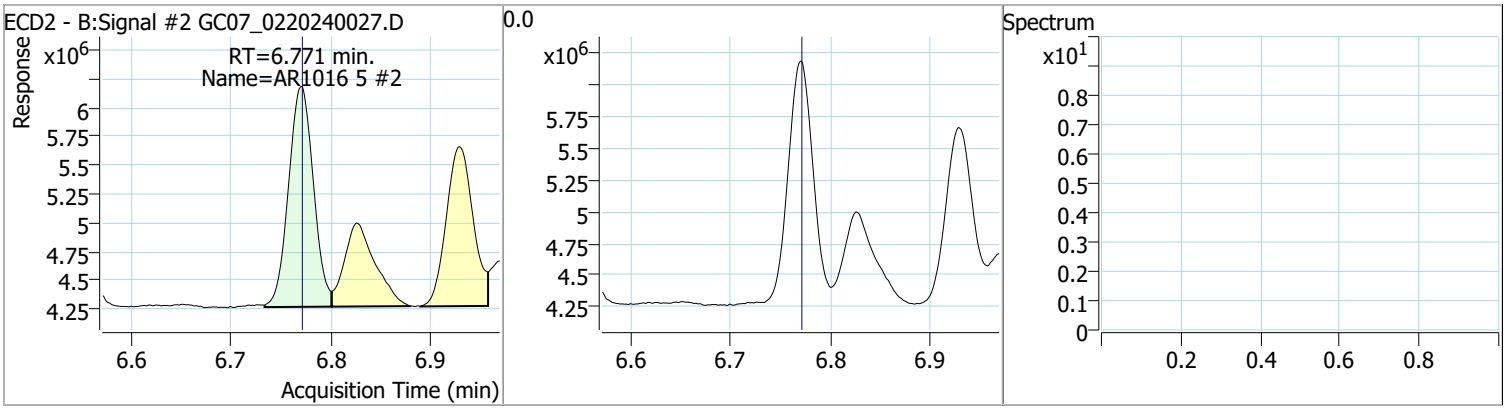

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 511.6876 | 6.09 | 0.00 | 6126820 (m) | | | | |



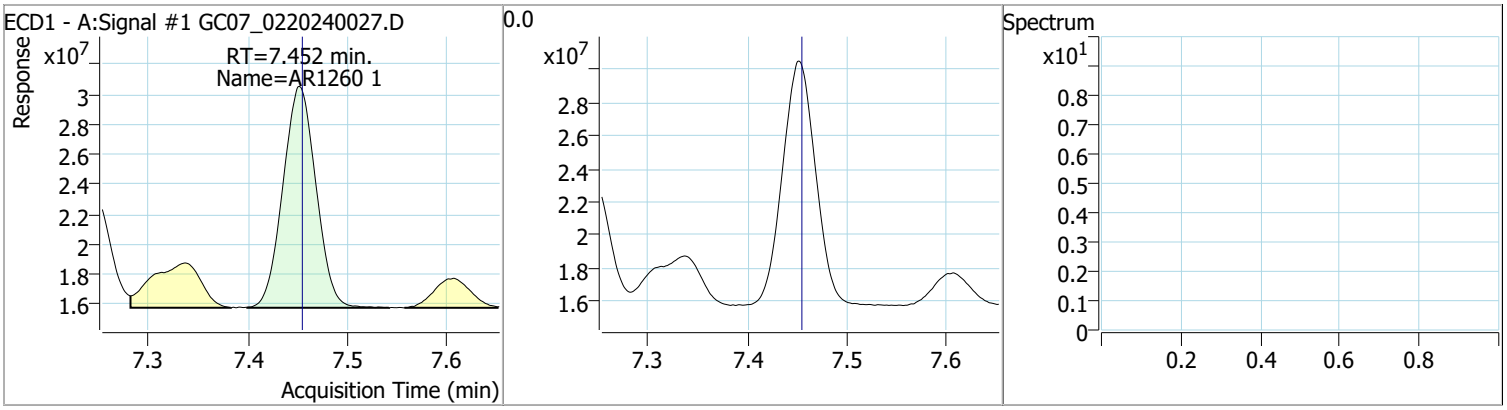

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 529.5981 | 6.23 | 0.00 | 4193499 | | | | |



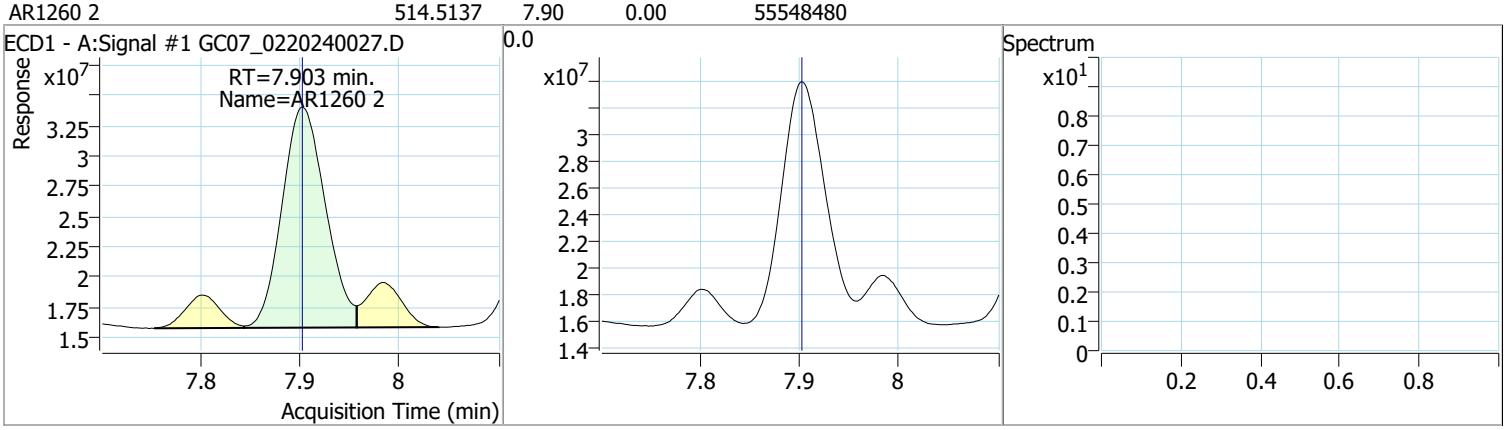

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 521.3602 | 6.77 | 0.00 | 3330695 | | | | |



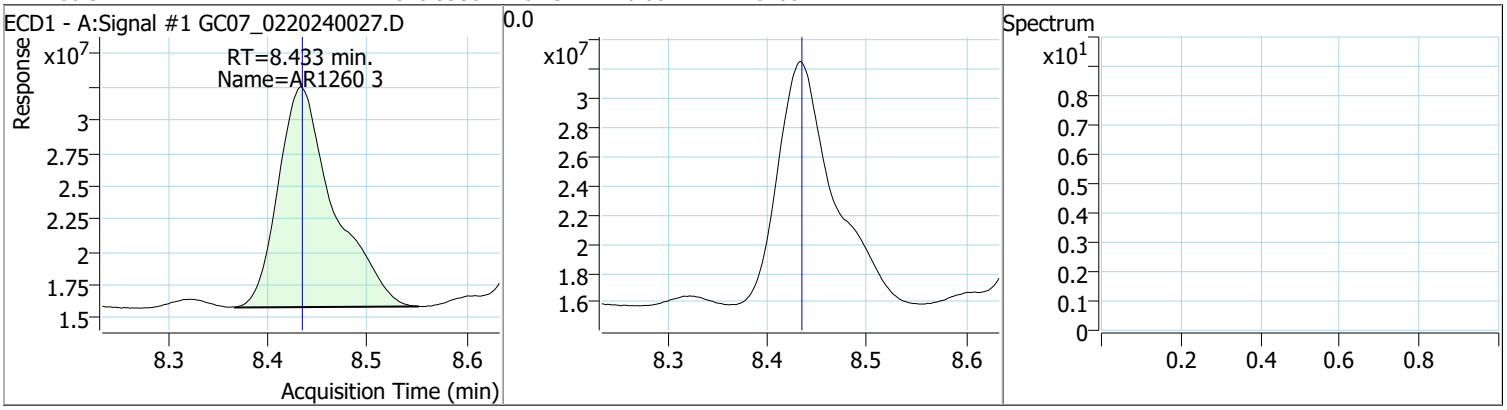
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 507.3269 | 7.45 | 0.00 | 34161193 | | | | |



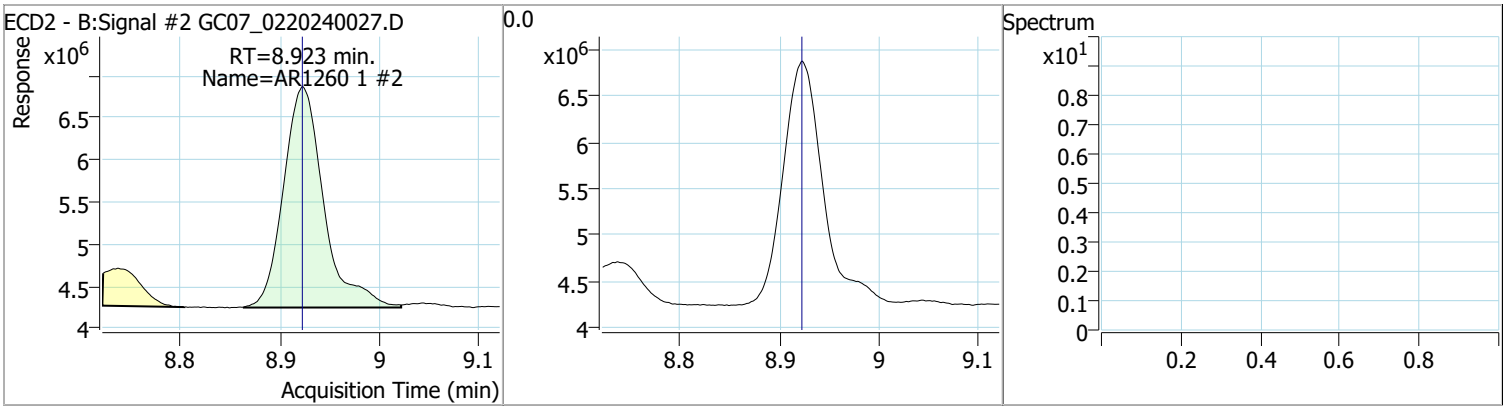

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 514.5137 | 7.90 | 0.00 | 55548480 | | | | |



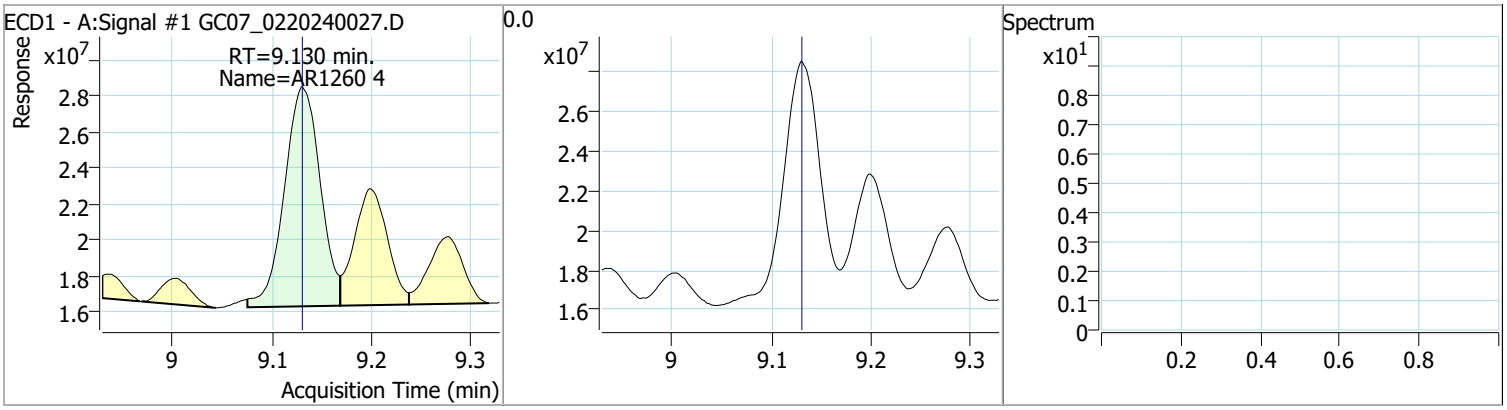

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 528.9930 | 8.43 | 0.00 | 64684212 | | | | |



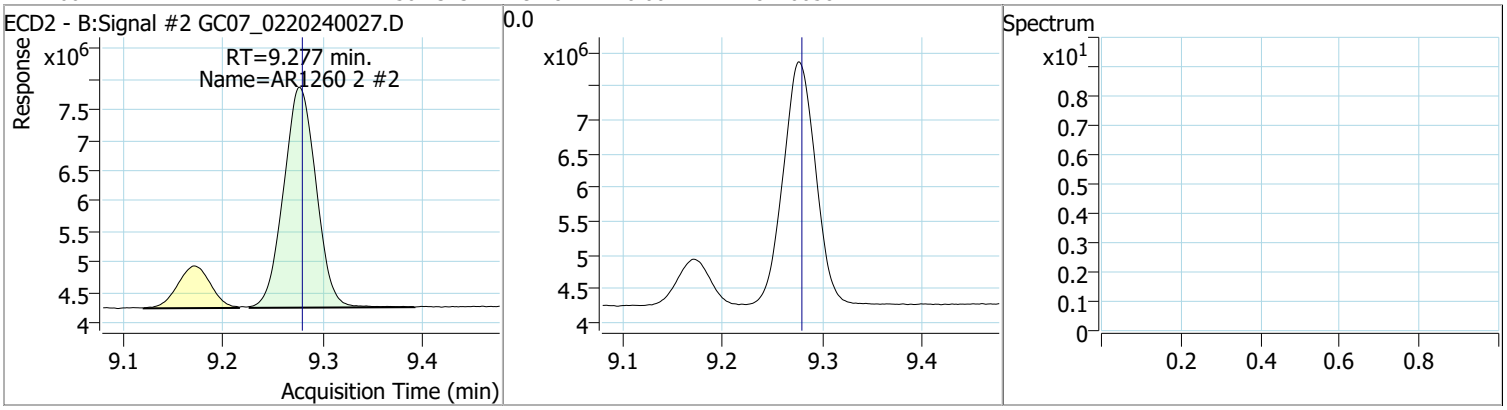

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 495.7219 | 8.92 | 0.00 | 7388464 | | | | |



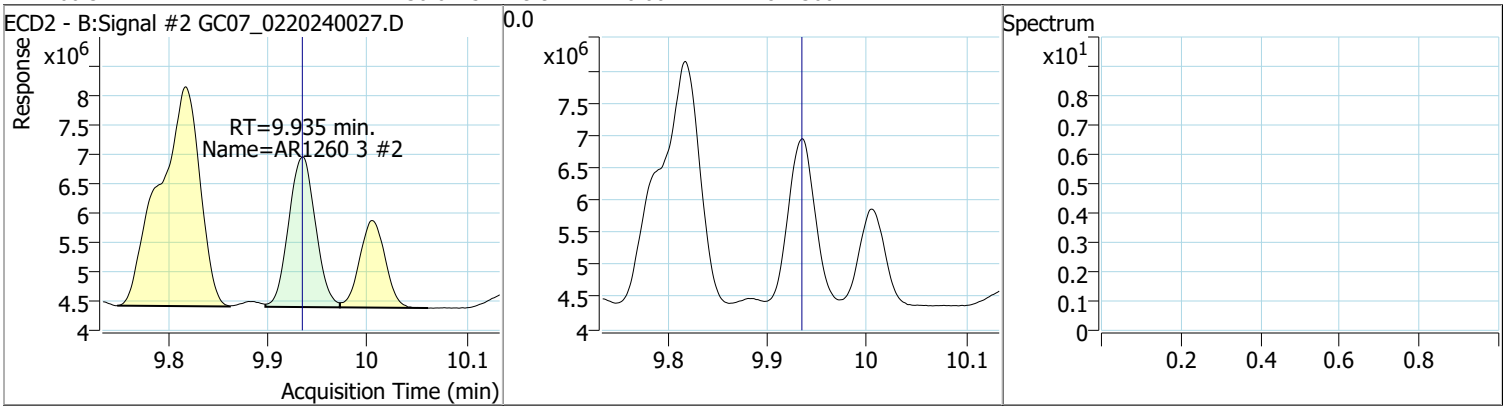
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 447.4061 | 9.13 | 0.00 | 30683505 | | | | |



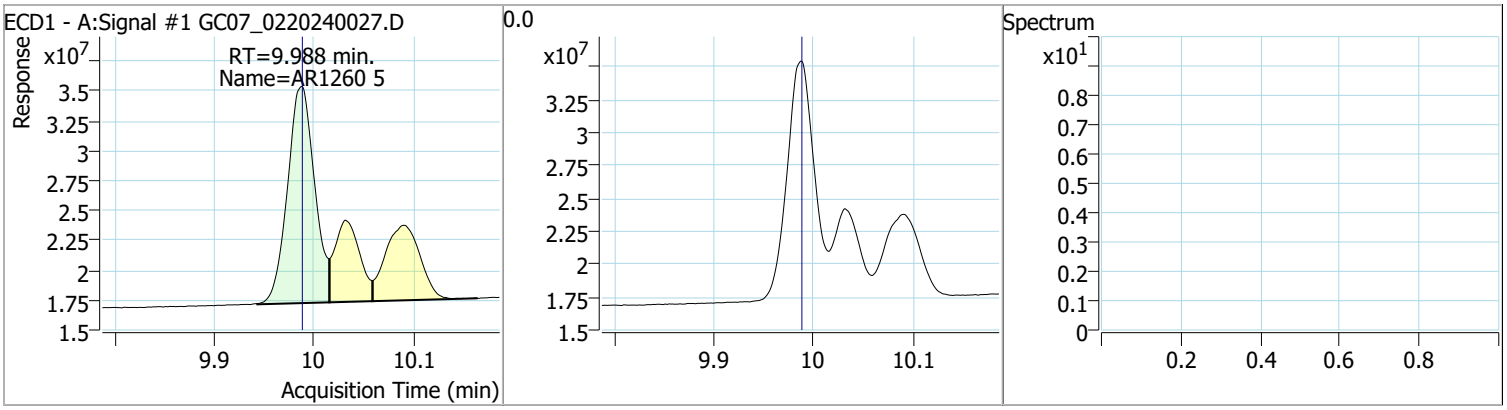

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 504.3234 | 9.28 | 0.00 | 8220058 | | | | |



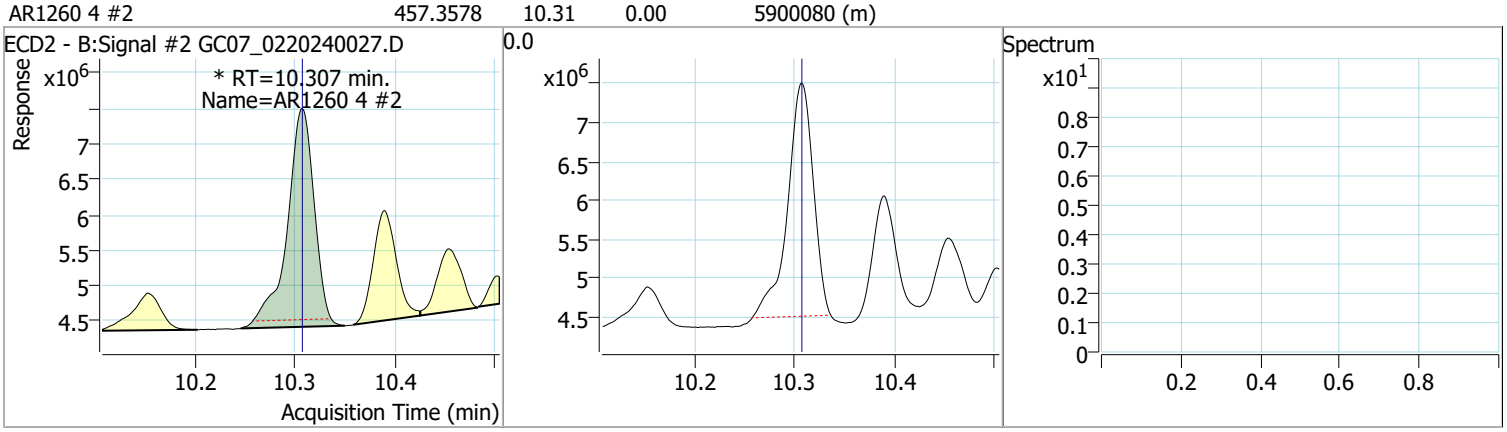

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 430.0175 | 9.94 | 0.00 | 4824360 | | | | |



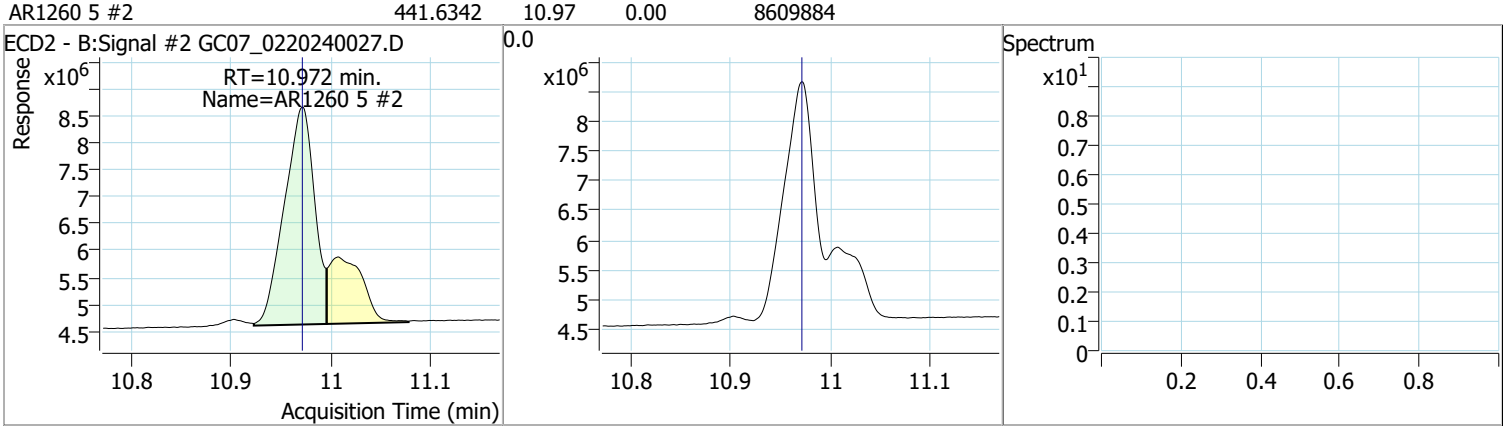

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 490.4827 | 9.99 | 0.00 | 34501457 | | | | |



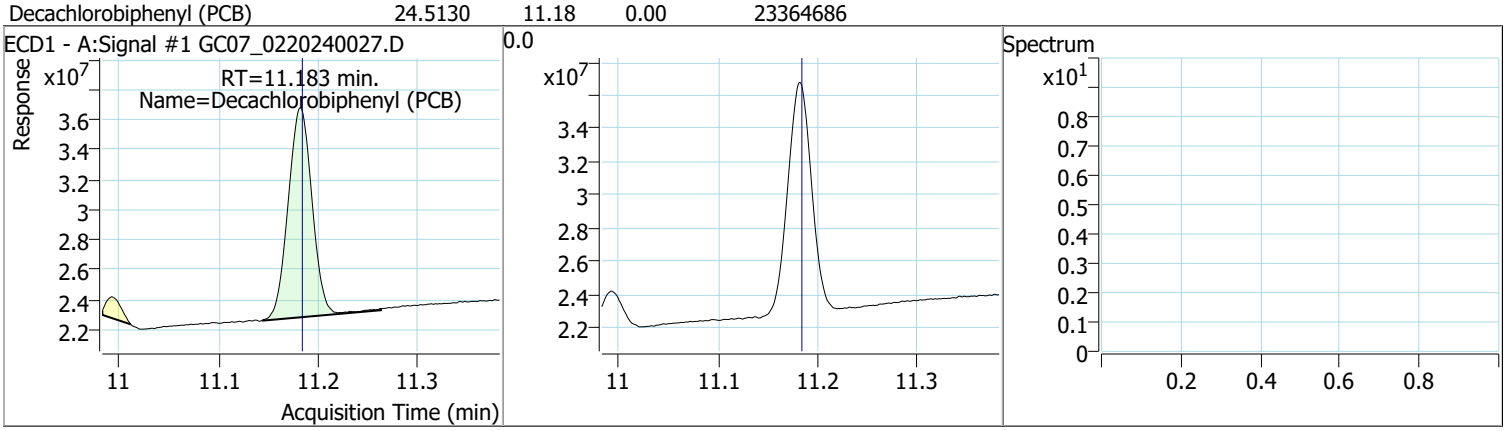
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 457.3578 | 10.31 | 0.00 | 5900080 (m) | | | | |



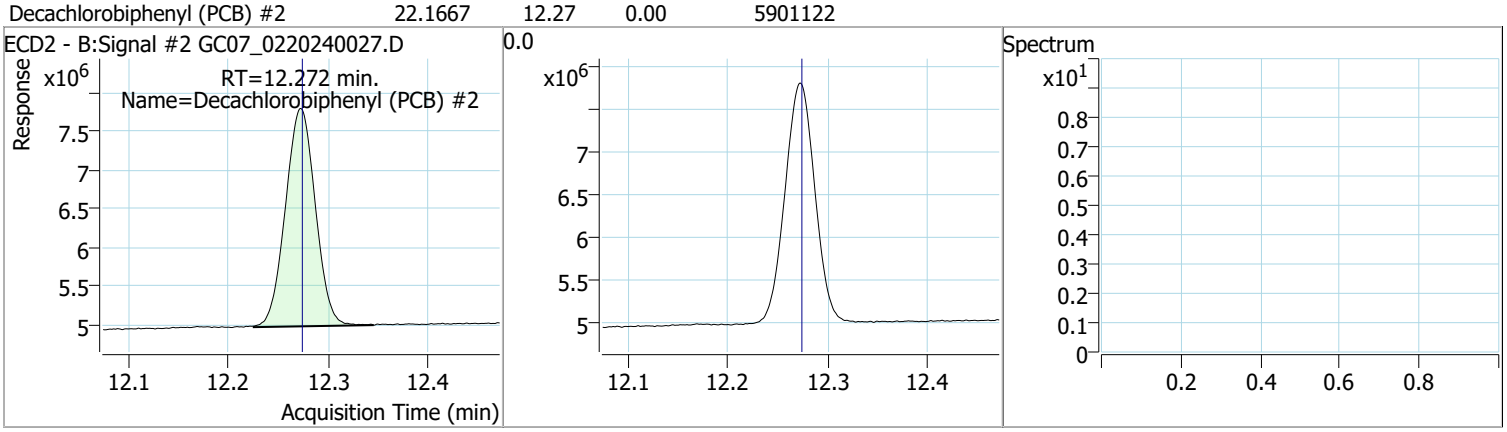

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 441.6342 | 10.97 | 0.00 | 8609884 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 24.5130 | 11.18 | 0.00 | 23364686 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 22.1667 | 12.27 | 0.00 | 5901122 | | | | |



**Continuing Calibration Verification Raw Data**

ENTHALPY CONTINUING CALIBRATION FOR 502501 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | Run Name: | PCB CCV | IDF: | 1.0 |
| Seqnum: | 464078296014 | File: | gc07_0223240014 | Time: | 23-FEB-2024 12:11 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |

Standards: S19824

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | | | 500.0 | 525.4 | ug/L | 5 | 15 | 0.0000 | |
| Aroclor-1260 | A | | | 500.0 | 499.3 | ug/L | 0 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | A | 0.7992 | 0.4705 | 40.00 | 23.55 | pg/uL | **-41** | 15 | 0.0000 | c- |
| TCMX (PCB) | A | 0.9092 | 0.5343 | 40.00 | 23.51 | pg/uL | **-41** | 15 | 0.0000 | c- |
| Aroclor-1016 | B | | | 500.0 | 548.0 | ug/L | 10 | 15 | 0.0000 | |
| Aroclor-1260 | B | | | 500.0 | 473.9 | ug/L | -5 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | B | 1.1385 | 0.5755 | 40.00 | 20.22 | pg/uL | **-49** | 15 | 0.0000 | c- |
| TCMX (PCB) | B | 0.8717 | 0.4861 | 40.00 | 22.30 | pg/uL | **-44** | 15 | 0.0000 | c- |

| ISTD (ICAL gc07_0220240018) | Ch | ICAL Abund | Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4889123 | 6983339 | 42.83 |
| 1-bromo-2-nitrobenzene (PCB) | A | 24323130 | 34889734 | 43.44 |

02/23/24 : 500 PPB PCB CCV

MES 02/23/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

MES 02/23/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

*-=low bias c=CCV*

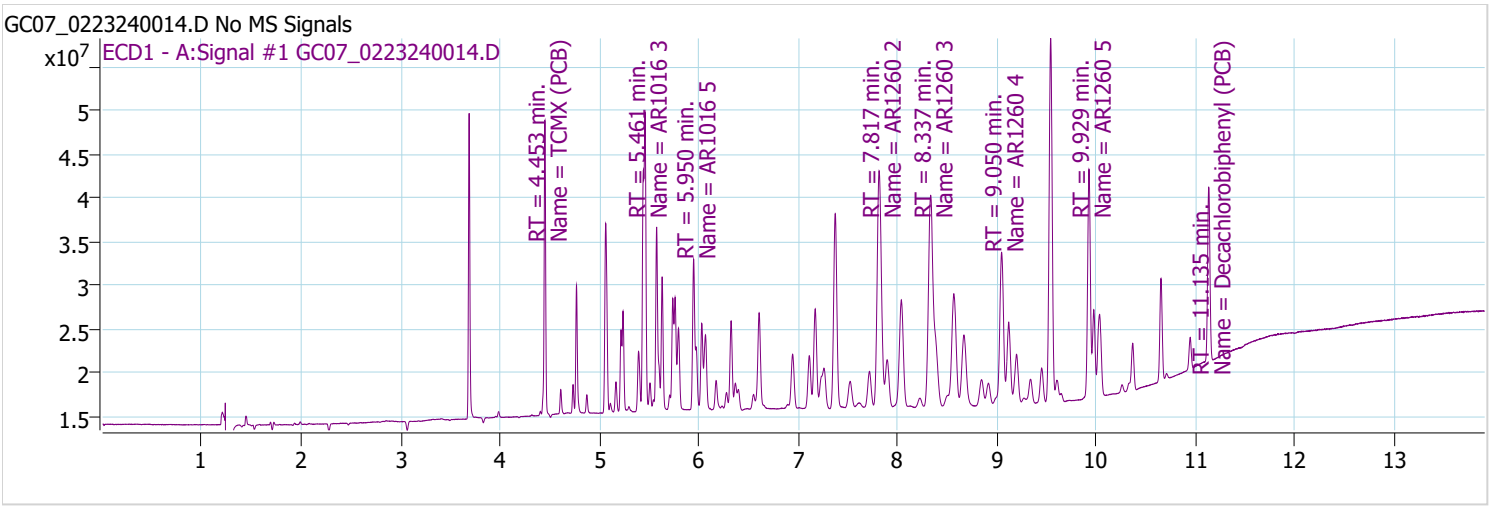
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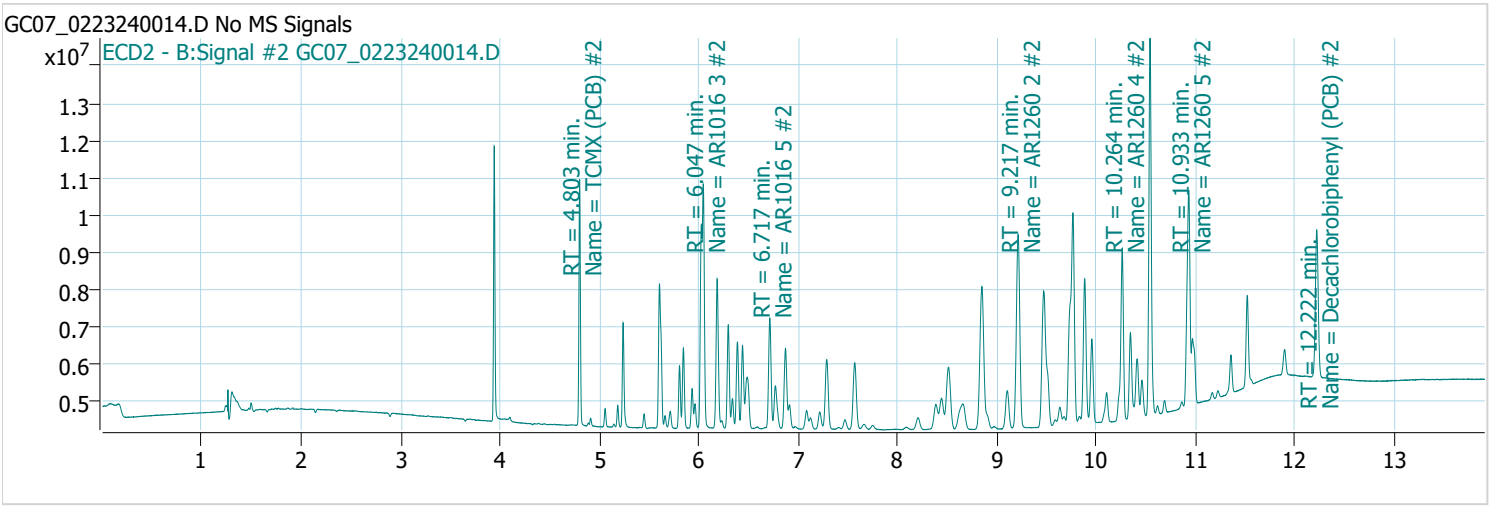
**Analyst:** MES 02/23/24 *

**Reviewer:** LW 02/23/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0223240014.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/23/2024 12:11:17 PM |
| Sample Name | CCV, S19824 | Instrument | SVOA-GC07 |
| Vial | 144 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_4.m | Comment | 500 PPB PCB CCV |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022324-PCB-2.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



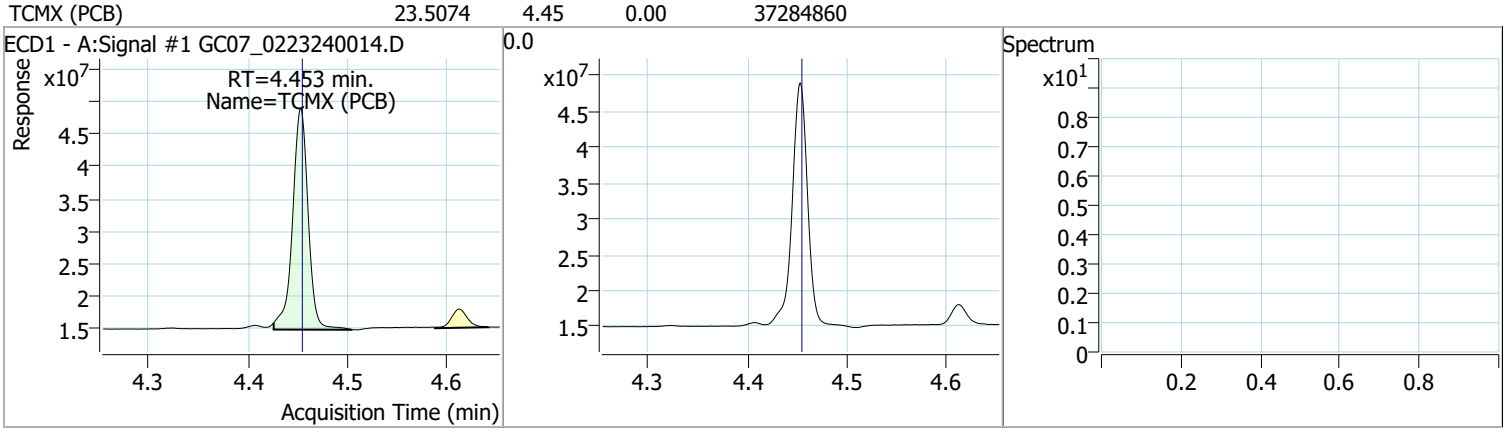




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.690 | 0.0 | 34889734.090 | 20.0000 | ng/ml | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.943 | 0.0 | 6983338.515 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.453 | 0.0 | 37284859.963 | 23.5074 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 117.54% | | |
| S TCMX (PCB) #2 | 4.803 | 0.0 | 6788624.617 | 22.3049 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 111.52% | | |
| S Decachlorobiphenyl (PCB) | 11.135 | 0.0 | 32831748.510 | 23.5500 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 117.75% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.222 | 0.0 | 8038133.178 | 20.2212 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 101.11% | | |
| **Target Compounds** | | | | | | QValue |

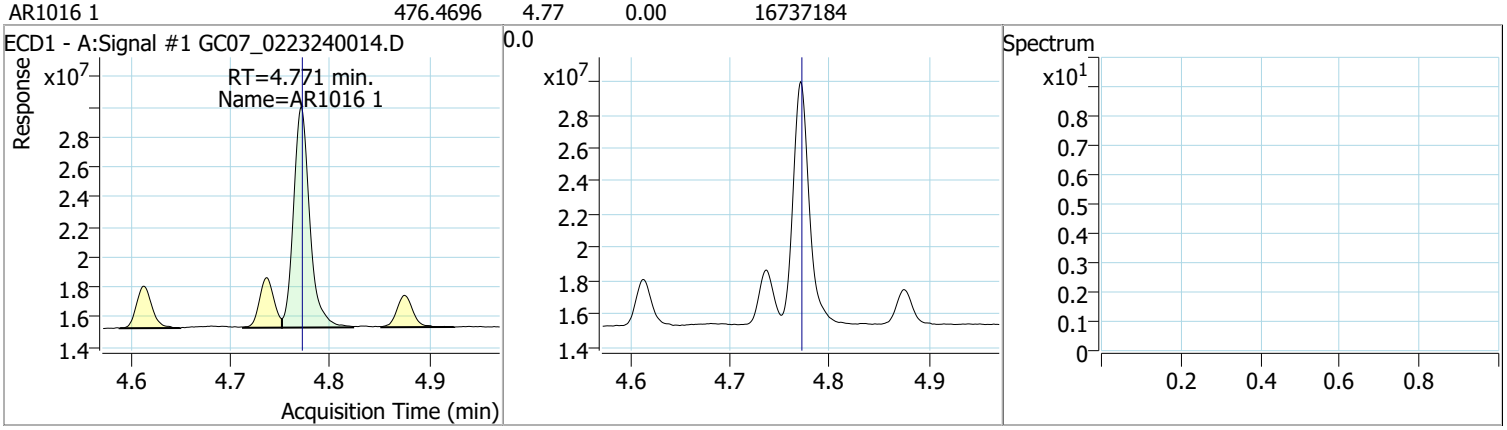
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.771 | 0.0 | 16737183.538 | 476.4696 | ng/ml | | 100 |
| T AR1016 2 | 5.065 | 0.0 | 33103721.096 | 535.3097 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.240 | 0.0 | 3810599.084 | 584.6375 | ng/ml | | 100 |
| T AR1016 3 | 5.461 | 0.0 | 43916051.921 | 533.7110 | ng/ml | m | 100 |
| T AR1016 4 | 5.578 | 0.0 | 30937486.941 | 557.8462 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.606 | 0.0 | 7161544.020 | 550.7590 | ng/ml | | 100 |
| T AR1016 5 | 5.950 | 0.0 | 25720297.542 | 523.6701 | ng/ml | m | 100 |
| T AR1016 3 #2 | 6.047 | 0.0 | 9304813.819 | 520.4296 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.187 | 0.0 | 6405852.209 | 541.7904 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.717 | 0.0 | 5176091.362 | 542.6121 | ng/ml | | 100 |
| T AR1260 1 | 7.375 | 0.0 | 50725298.985 | 515.0382 | ng/ml | | 100 |
| T AR1260 2 | 7.817 | 0.0 | 80553542.358 | 510.1164 | ng/ml | | 100 |
| T AR1260 3 | 8.337 | 0.0 | 93786065.455 | 524.3845 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.852 | 0.0 | 11371275.778 | 510.9491 | ng/ml | | 100 |
| T AR1260 4 | 9.050 | 0.0 | 45159707.110 | 450.2025 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.217 | 0.0 | 12485670.837 | 513.0157 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.886 | 0.0 | 7463170.397 | 445.5068 | ng/ml | | 100 |
| T AR1260 5 | 9.929 | 0.0 | 51120350.834 | 496.8668 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.264 | 0.0 | 9143413.075 | 474.6692 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.933 | 0.0 | 12384234.087 | 425.4212 | ng/ml | | 100 |

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

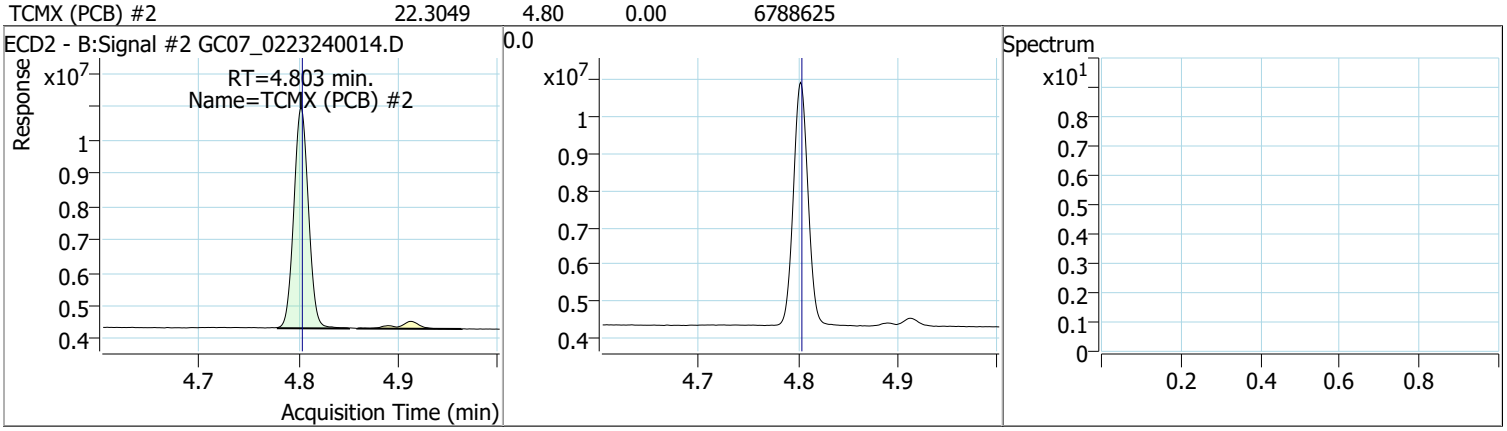
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 23.5074 | 4.45 | 0.00 | 37284860 | | | | |



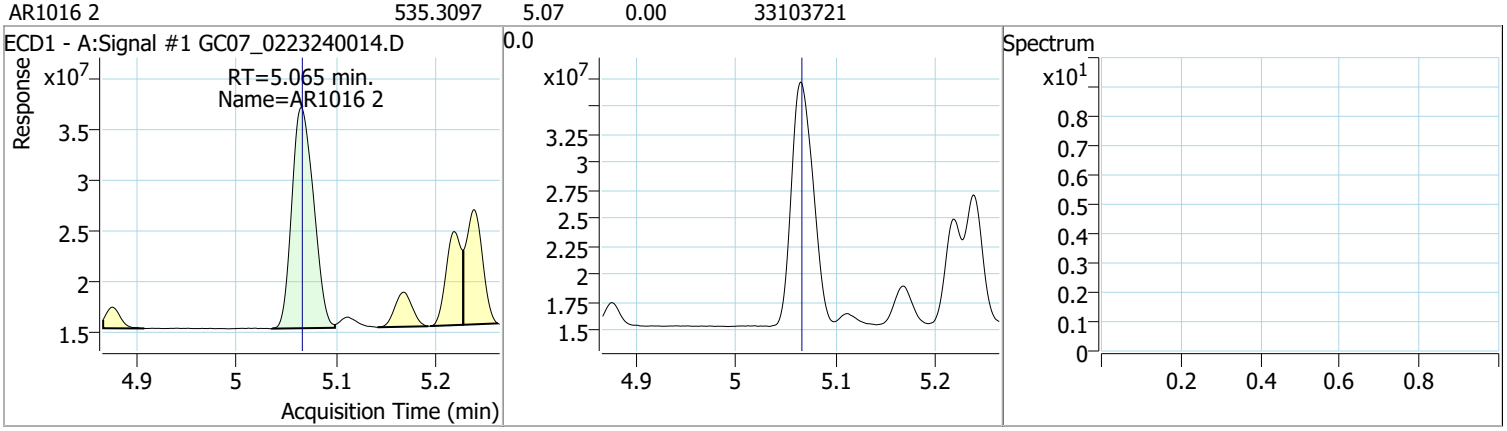

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 476.4696 | 4.77 | 0.00 | 16737184 | | | | |



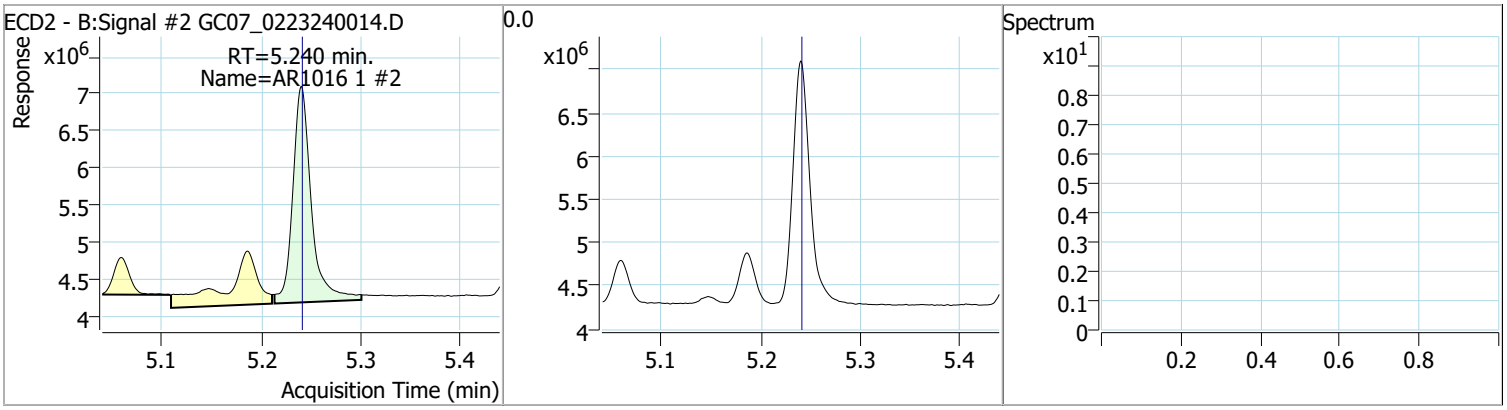

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 22.3049 | 4.80 | 0.00 | 6788625 | | | | |



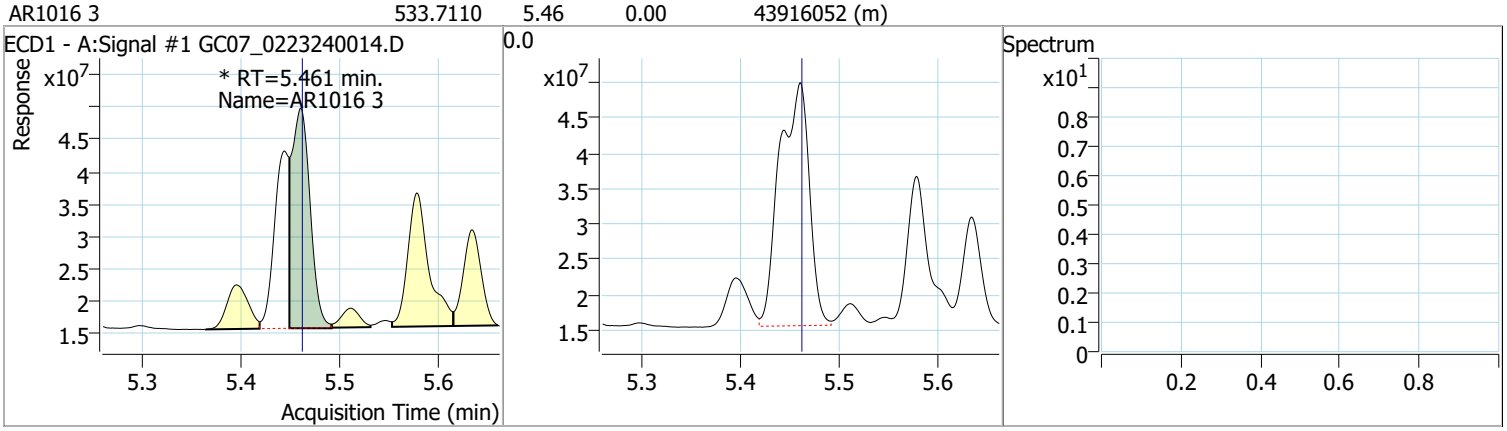

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 535.3097 | 5.07 | 0.00 | 33103721 | | | | |



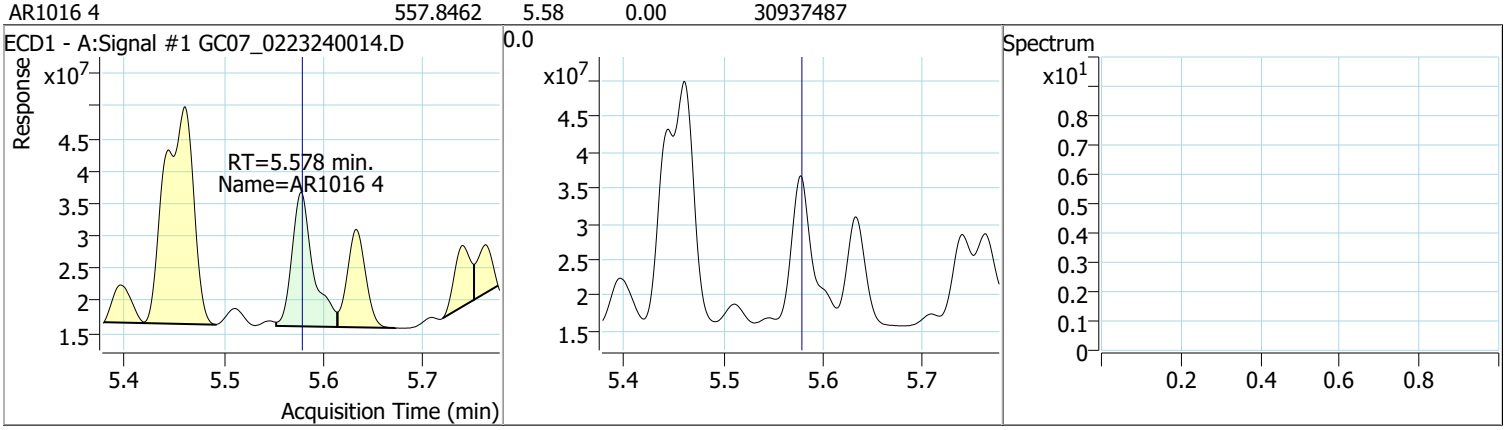
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 584.6375 | 5.24 | 0.00 | 3810599 | | | | |



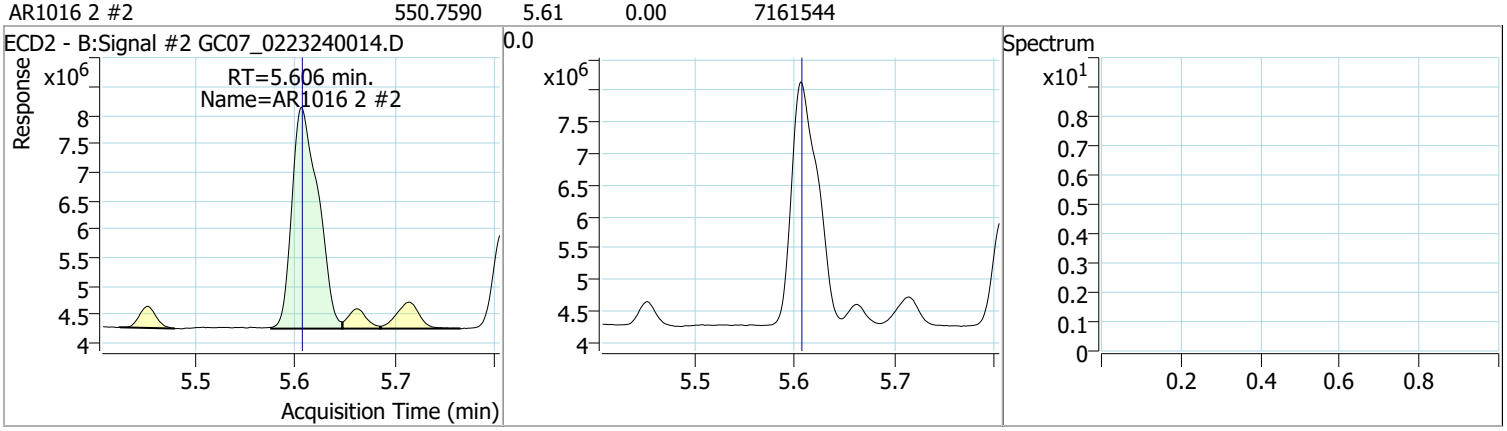

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 533.7110 | 5.46 | 0.00 | 43916052 (m) | | | | |



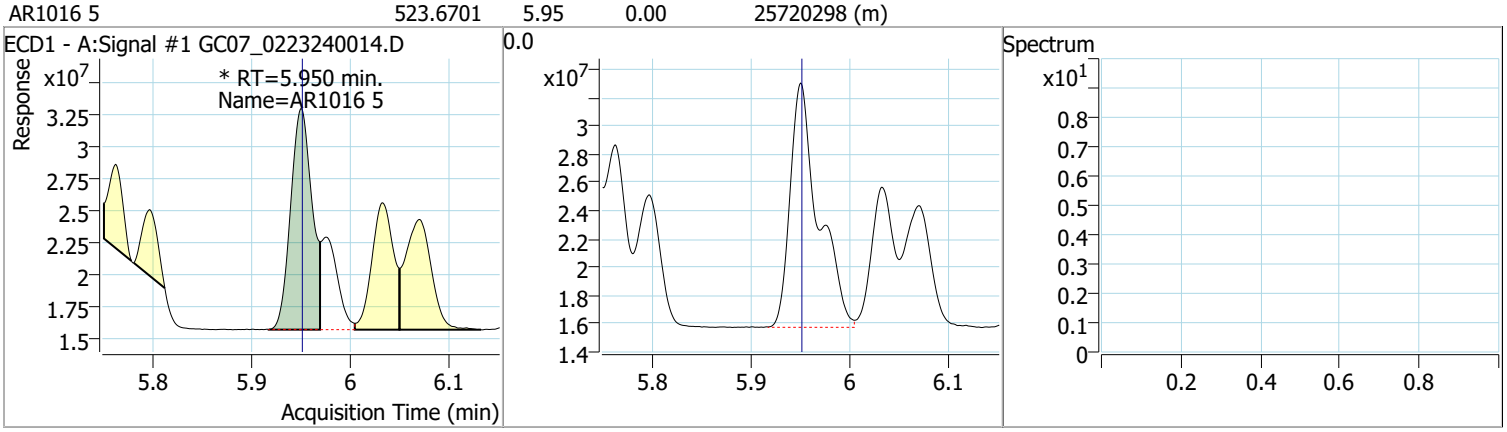

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 557.8462 | 5.58 | 0.00 | 30937487 | | | | |



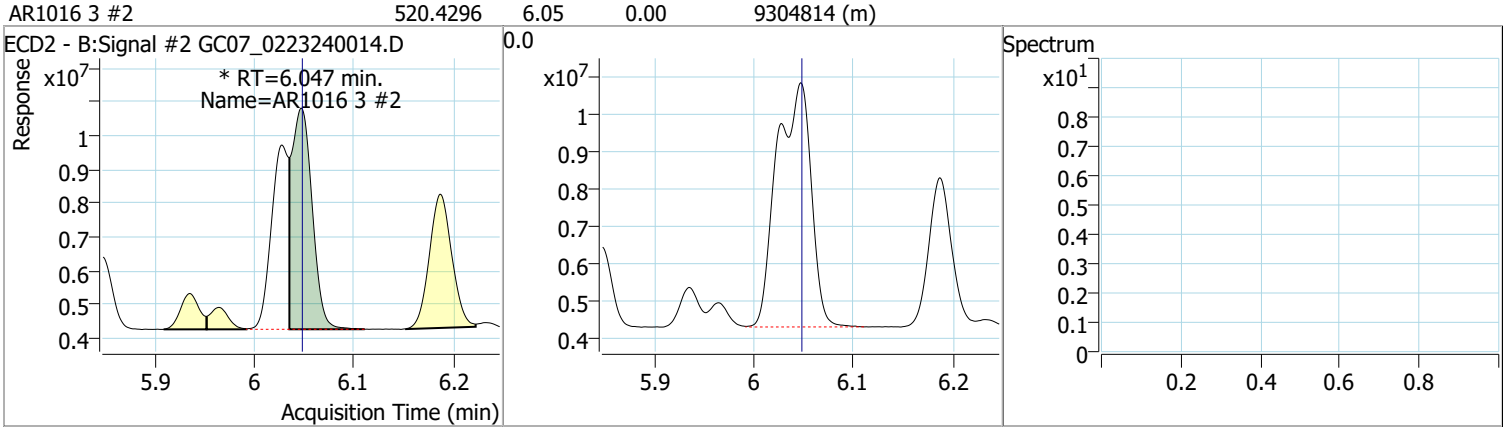

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 550.7590 | 5.61 | 0.00 | 7161544 | | | | |



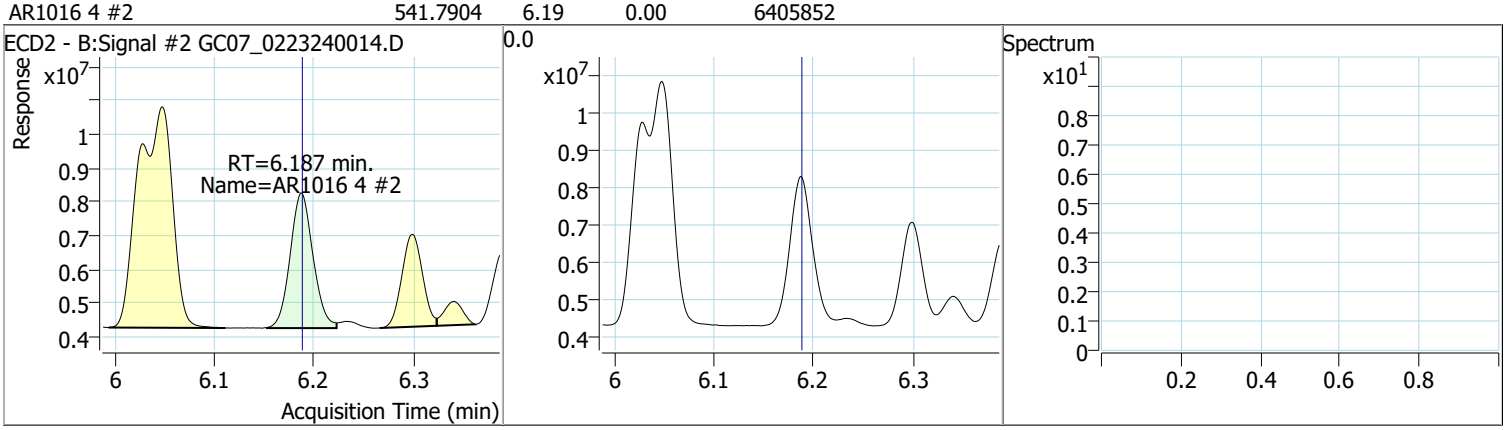
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 523.6701 | 5.95 | 0.00 | 25720298 (m) | | | | |



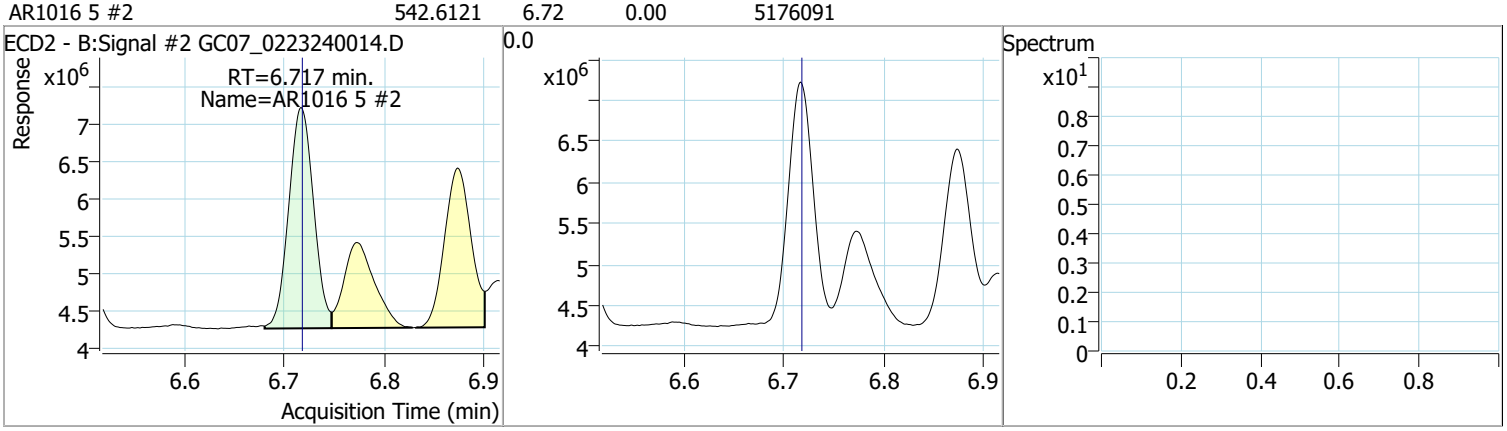

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 520.4296 | 6.05 | 0.00 | 9304814 (m) | | | | |



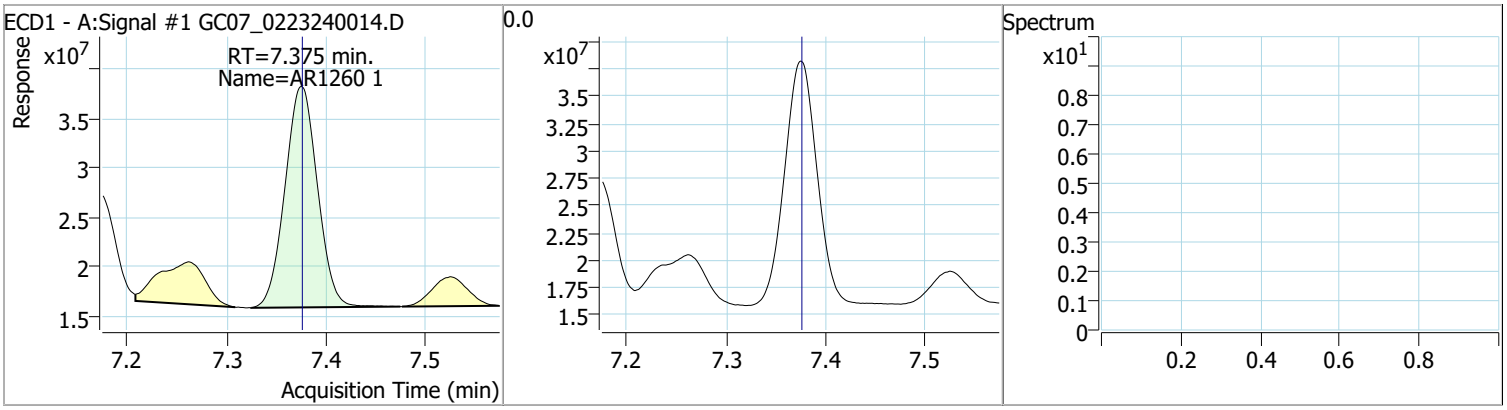

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 541.7904 | 6.19 | 0.00 | 6405852 | | | | |



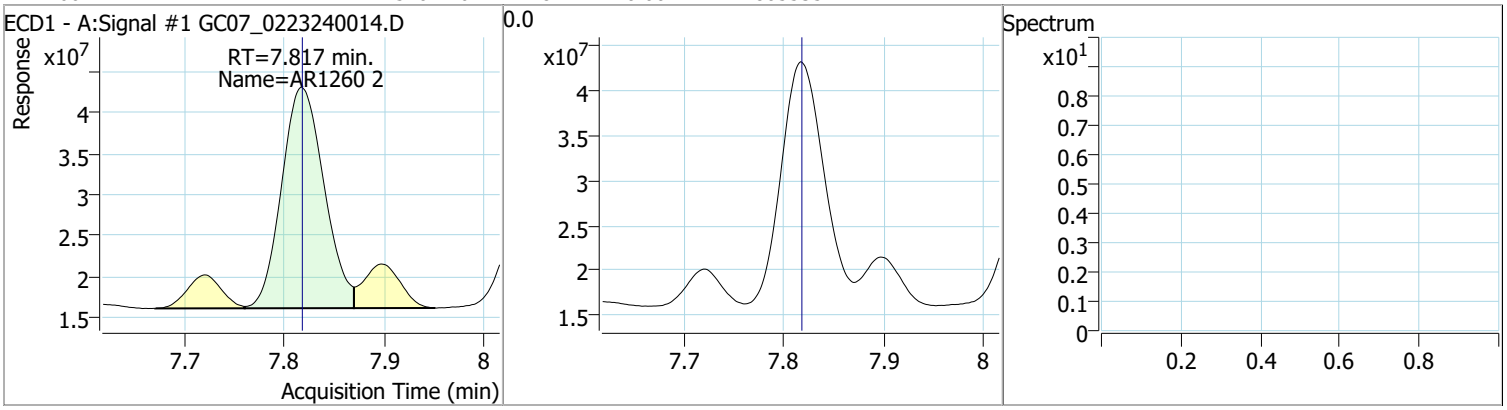

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 542.6121 | 6.72 | 0.00 | 5176091 | | | | |



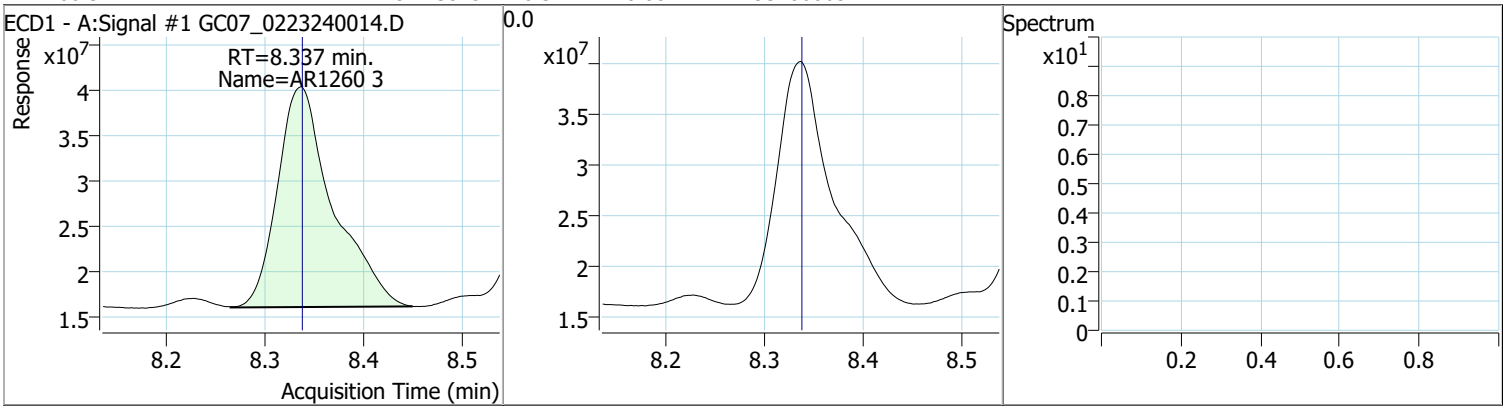
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 515.0382 | 7.38 | 0.00 | 50725299 | | | | |



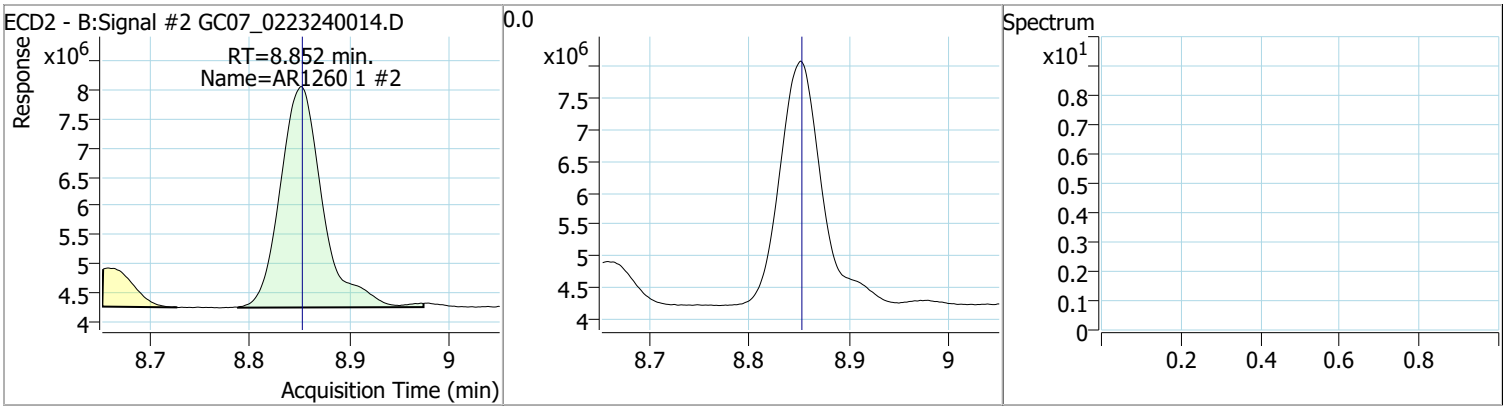

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 510.1164 | 7.82 | 0.00 | 80553542 | | | | |



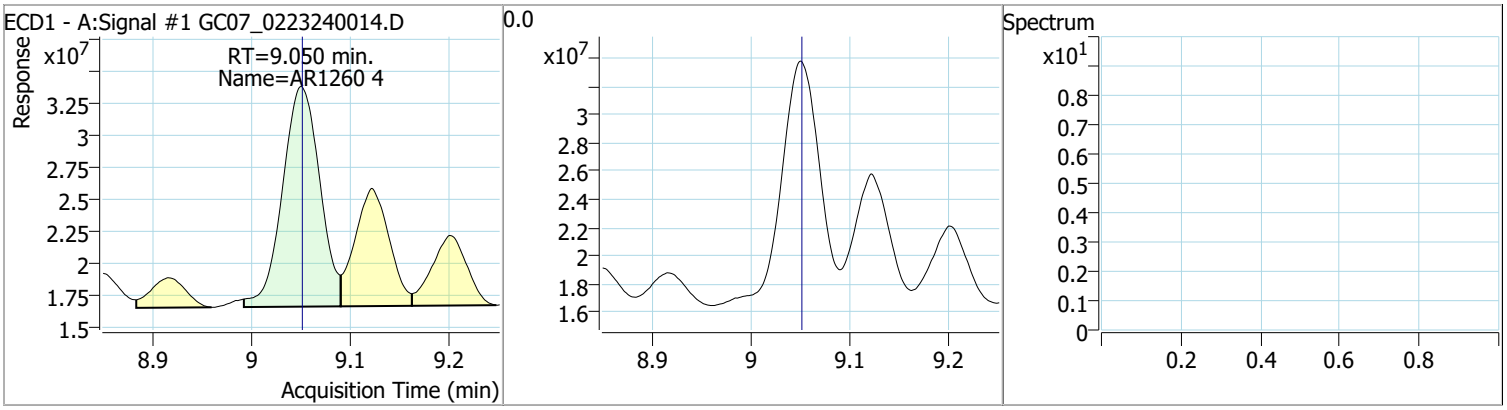

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 524.3845 | 8.34 | 0.00 | 93786065 | | | | |



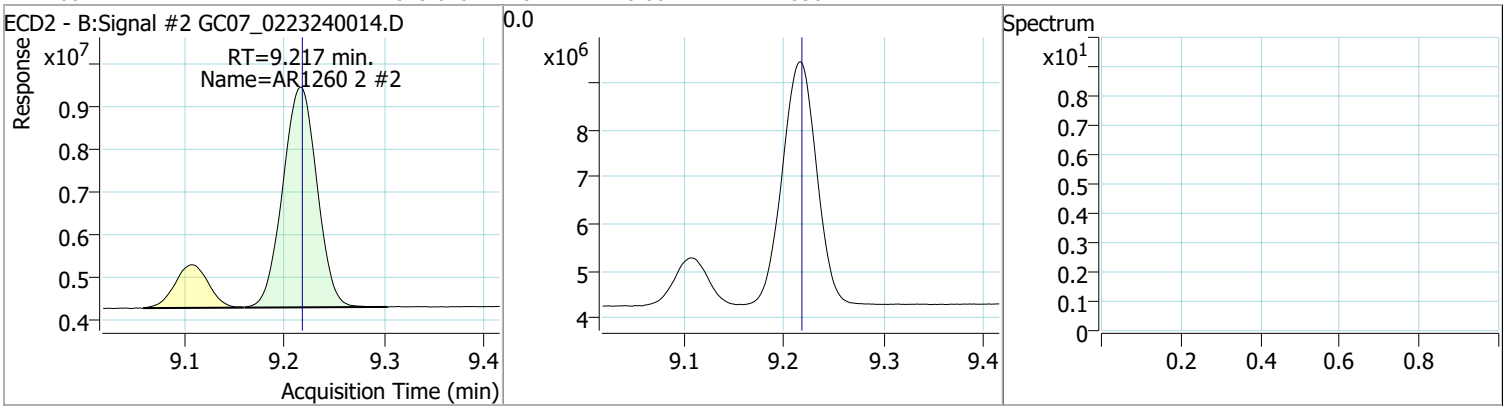

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 510.9491 | 8.85 | 0.00 | 11371276 | | | | |



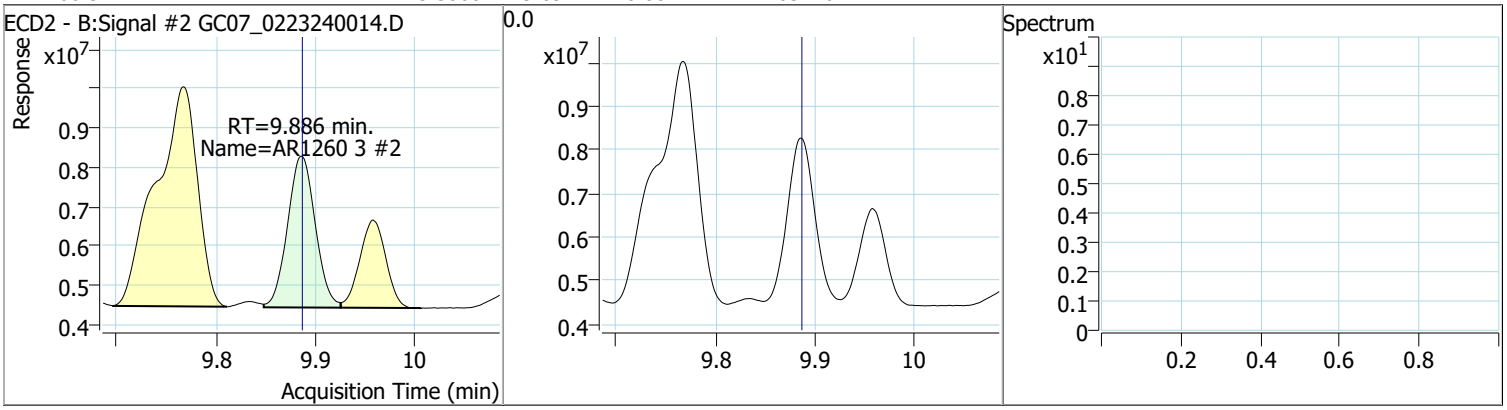
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 450.2025 | 9.05 | 0.00 | 45159707 | | | | |



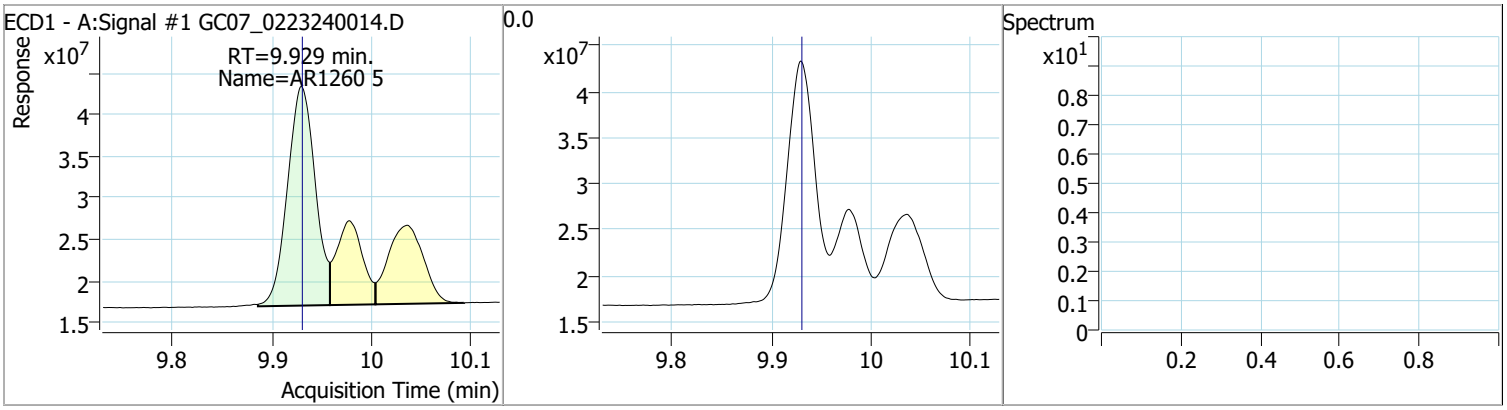

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 513.0157 | 9.22 | 0.00 | 12485671 | | | | |



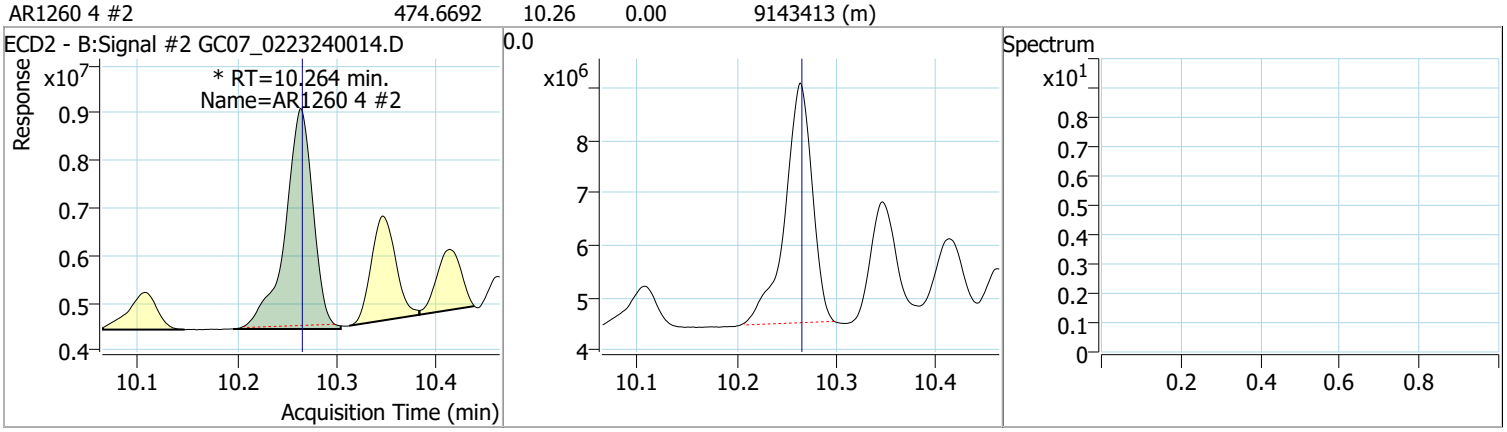

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 445.5068 | 9.89 | 0.00 | 7463170 | | | | |



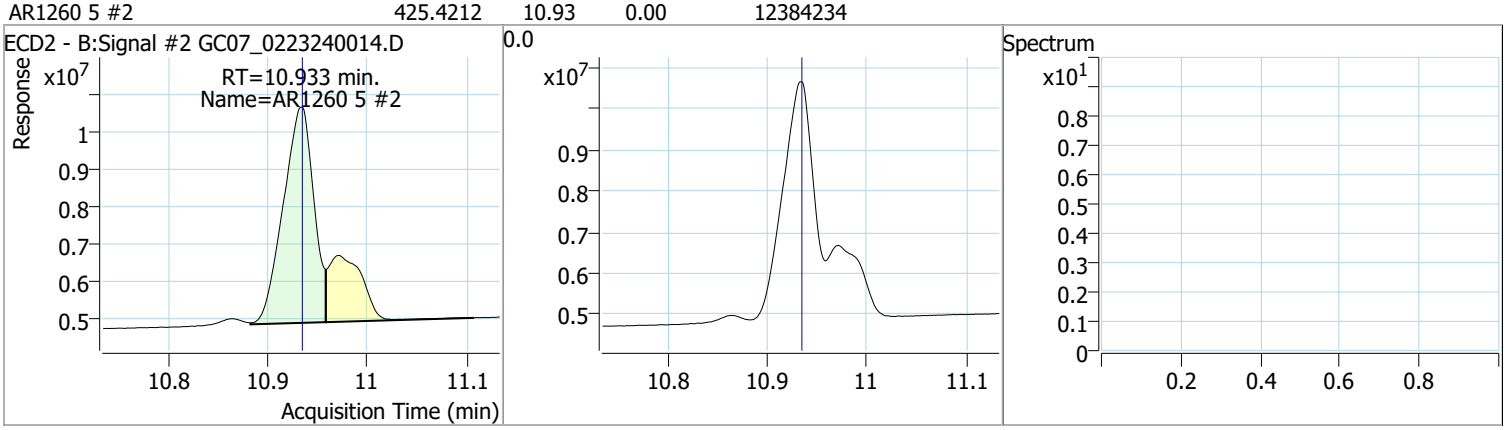

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 496.8668 | 9.93 | 0.00 | 51120351 | | | | |



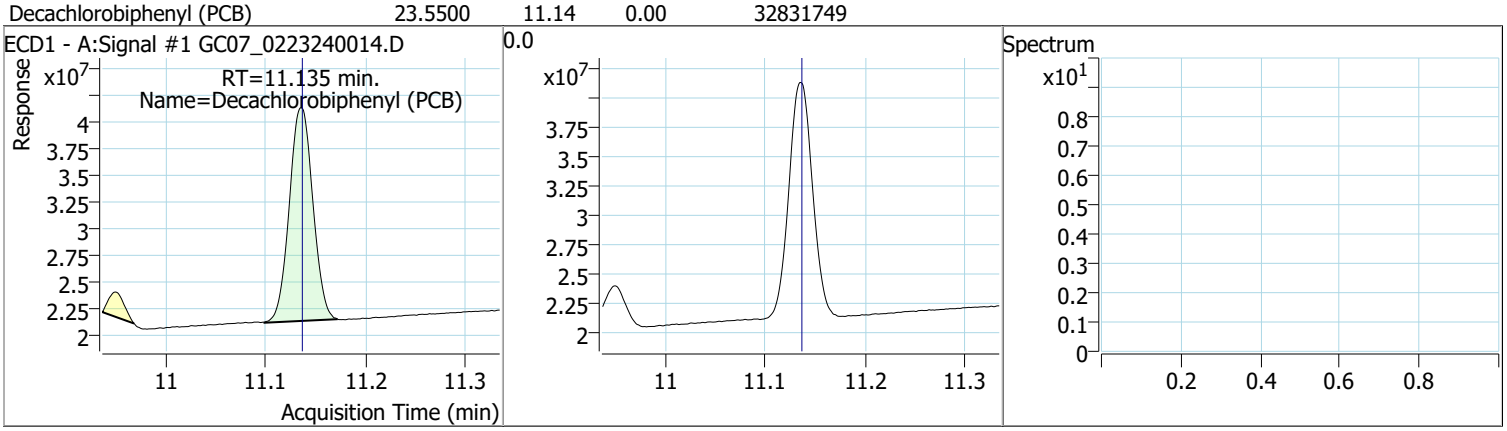
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 474.6692 | 10.26 | 0.00 | 9143413 (m) | | | | |



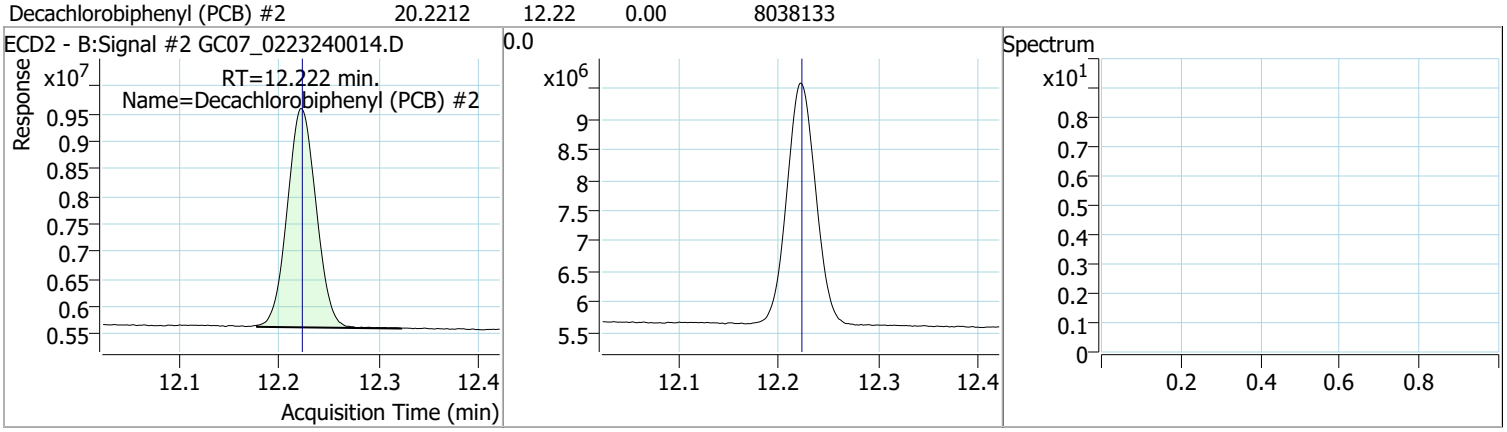

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 425.4212 | 10.93 | 0.00 | 12384234 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 23.5500 | 11.14 | 0.00 | 32831749 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 20.2212 | 12.22 | 0.00 | 8038133 | | | | |



ENTHALPY CONTINUING CALIBRATION FOR 502501 PCBS Wipe

EPA 8082

| | | | | | |
|---|---|---|---|---|---|
| Inst: | SVOA-GC07 | | | IDF: | 1.0 |
| Seqnum: | 464080159003 | File: | gc07_0224240003 | Time: | 24-FEB-2024 16:17 |
| Cal: | 464074251001 | Caldate: | 20-FEB-2024 | | |

Standards: S19824

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Min RF | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | A | | | 500.0 | 497.8 | ug/L | 0 | 15 | 0.0000 | |
| Aroclor-1260 | A | | | 500.0 | 444.5 | ug/L | -11 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | A | 0.7992 | 0.4075 | 40.00 | 20.40 | pg/uL | **-49** | 15 | 0.0000 | c- |
| TCMX (PCB) | A | 0.9092 | 0.4987 | 40.00 | 21.94 | pg/uL | **-45** | 15 | 0.0000 | c- |
| Aroclor-1016 | B | | | 500.0 | 497.8 | ug/L | 0 | 15 | 0.0000 | |
| Aroclor-1260 | B | | | 500.0 | 425.2 | ug/L | -15 | 15 | 0.0000 | |
| Decachlorobiphenyl (PCB) | B | 1.1385 | 0.5009 | 40.00 | 17.60 | pg/uL | **-56** | 15 | 0.0000 | c- |
| TCMX (PCB) | B | 0.8717 | 0.4702 | 40.00 | 21.58 | pg/uL | **-46** | 15 | 0.0000 | c- |

| ISTD (ICAL gc07_0220240018) | Ch | ICAL Abund | Abund | %Drift |
|---|---|---|---|---|
| 1-bromo-2-nitrobenzene (PCB) | B | 4889123 | 8609201 | 76.09 |
| 1-bromo-2-nitrobenzene (PCB) | A | 24323130 | 45413329 | 86.71 |

02/24/24 : 500 PPB PCB CCV

TRN 02/24/24 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

TRN 02/24/24 [Aroclor-1260 B]: Corrected baseline noise or negative peak for Ch. B.

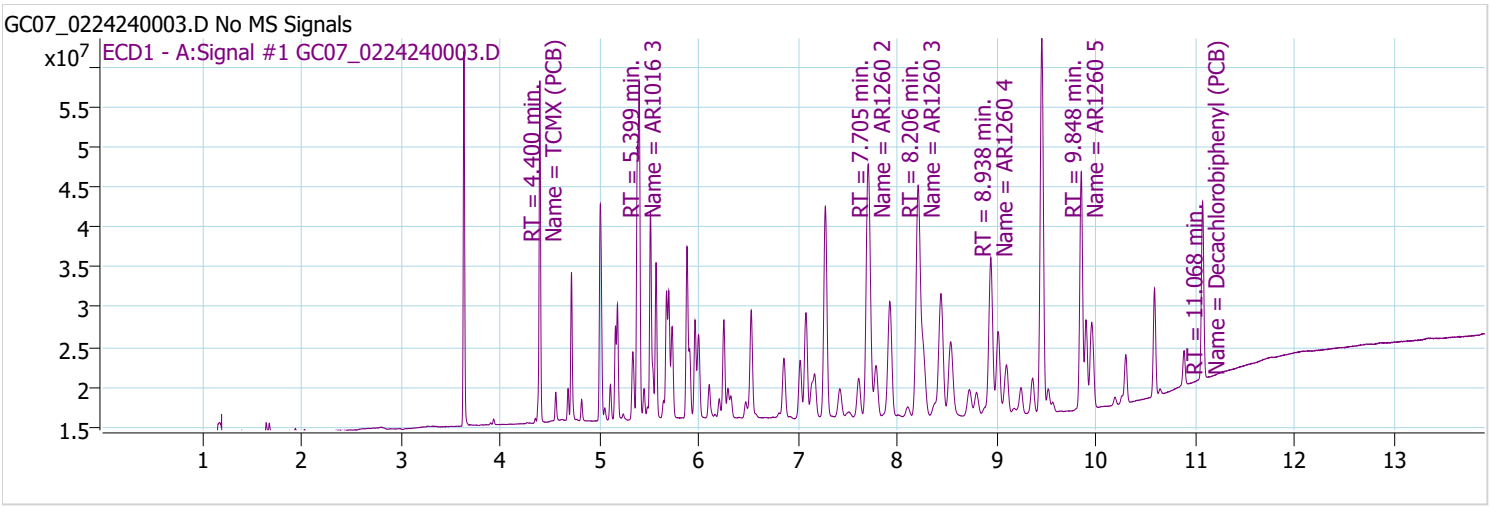
*-=low bias c=CCV*

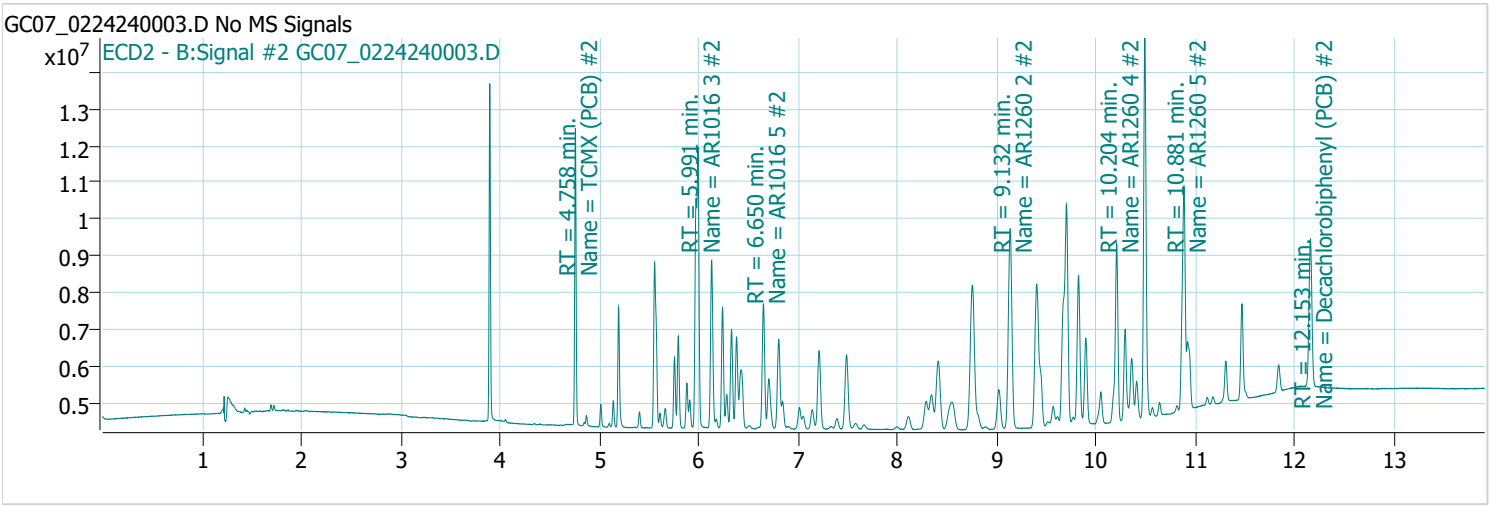
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**Analyst:** TRN 02/24/24 **Reviewer:** LW 02/26/24

# Quantitation Results Report (Not Reviewed)

| | | | |
|---|---|---|---|
| Data File | GC07_0224240003.D | Operator | SVOA |
| Acq. Method | Acq_Pesticide_052623_3 | Acq. Date-Time | 2/24/2024 4:17:17 PM |
| Sample Name | CCV, S19824 | Instrument | SVOA-GC07 |
| Vial | 144 | Multiplier | 1.00 |
| DA Method File | PCB_608_022024_GC07_5.m | Comment | 500 PPB PCB CCV |
| Tune File | ATUNE.U | Tune Date | |
| Batch Name | 022424PCB.batch.bin | Last Calib Update | 2/20/2024 7:30:25 PM |
| Ref Library | | | |



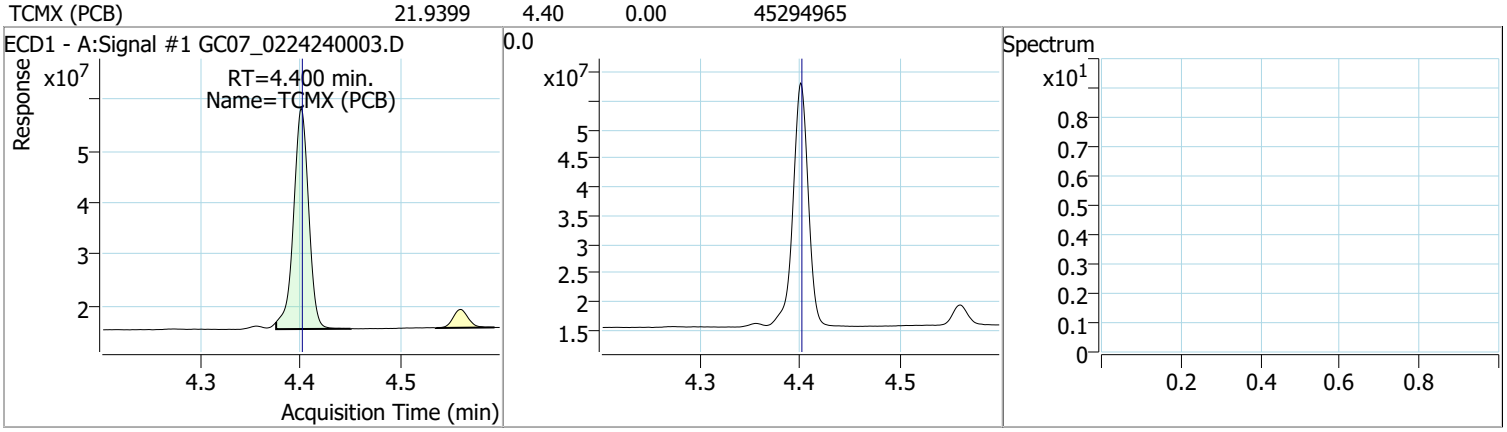




| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| M 1-bromo-2-nitrobenzene (PCB) | 3.636 | 0.0 | 45413328.732 | 20.0000 | ng/ml | 0.000 |
| M 1-bromo-2-nitrobenzene (PCB) #2 | 3.897 | 0.0 | 8609200.619 | 20.0000 | ng/ml | 0.000 |
| **System Monitoring Compounds** | | | | | | |
| S TCMX (PCB) | 4.400 | 0.0 | 45294965.496 | 21.9399 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 109.70% | | |
| S TCMX (PCB) #2 | 4.758 | 0.0 | 8096011.669 | 21.5769 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 107.88% | | |
| S Decachlorobiphenyl (PCB) | 11.068 | 0.0 | 37015248.530 | 20.3982 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 101.99% | | |
| S Decachlorobiphenyl (PCB) #2 | 12.153 | 0.0 | 8624444.949 | 17.5988 | ng/ml | 0.000 |
| Spiked Amount: 20.000 | Range: 50.0 - 150.0% | | | Recovery = 87.99% | | |
| **Target Compounds** | | | | | | QValue |

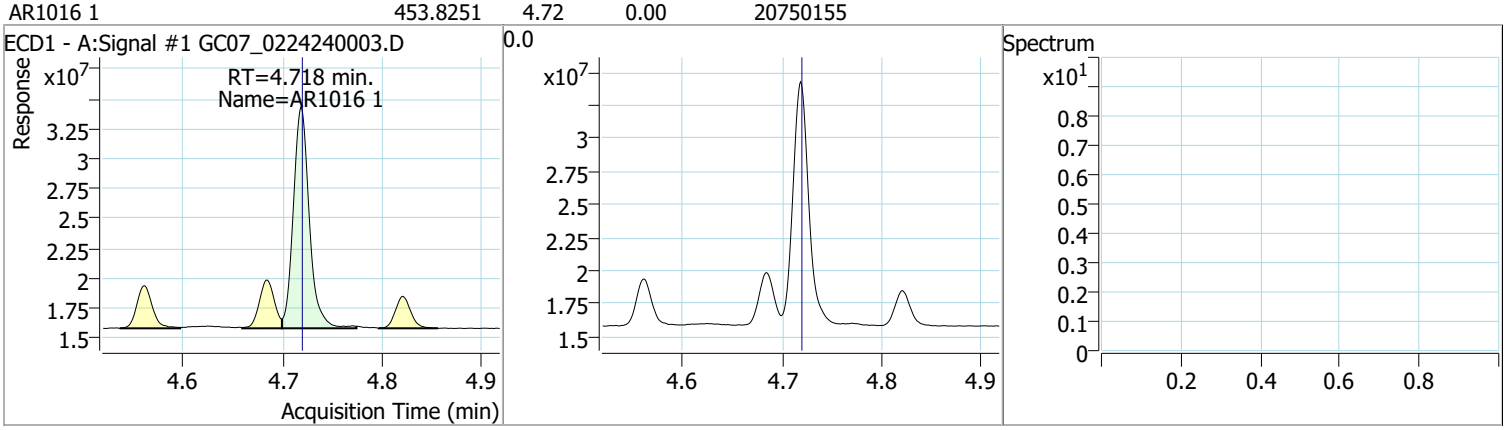
| Compound | RT | QIon | Resp. | Conc. | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| T AR1016 1 | 4.718 | 0.0 | 20750155.204 | 453.8251 | ng/ml | | 100 |
| T AR1016 2 | 5.009 | 0.0 | 40426176.711 | 502.2331 | ng/ml | | 100 |
| T AR1016 1 #2 | 5.193 | 0.0 | 3925507.743 | 488.5280 | ng/ml | | 100 |
| T AR1016 3 | 5.399 | 0.0 | 54170204.537 | 505.7754 | ng/ml | m | 100 |
| T AR1016 4 | 5.513 | 0.0 | 38695671.994 | 536.0510 | ng/ml | | 100 |
| T AR1016 2 #2 | 5.555 | 0.0 | 8140944.664 | 507.8436 | ng/ml | | 100 |
| T AR1016 5 | 5.881 | 0.0 | 31384129.182 | 490.9148 | ng/ml | m | 100 |
| T AR1016 3 #2 | 5.991 | 0.0 | 10881165.974 | 493.6623 | ng/ml | m | 100 |
| T AR1016 4 #2 | 6.129 | 0.0 | 7314447.937 | 501.8064 | ng/ml | | 100 |
| T AR1016 5 #2 | 6.650 | 0.0 | 5847920.164 | 497.2666 | ng/ml | | 100 |
| T AR1260 1 | 7.273 | 0.0 | 58631448.268 | 457.3617 | ng/ml | | 100 |
| T AR1260 2 | 7.705 | 0.0 | 93127664.199 | 453.0829 | ng/ml | | 100 |
| T AR1260 3 | 8.206 | 0.0 | 108608666.923 | 466.5415 | ng/ml | | 100 |
| T AR1260 1 #2 | 8.752 | 0.0 | 12559446.892 | 457.7615 | ng/ml | | 100 |
| T AR1260 4 | 8.938 | 0.0 | 52312358.675 | 400.6595 | ng/ml | | 100 |
| T AR1260 2 #2 | 9.132 | 0.0 | 13613133.888 | 453.7087 | ng/ml | | 100 |
| T AR1260 3 #2 | 9.820 | 0.0 | 7979183.138 | 386.3578 | ng/ml | m | 100 |
| T AR1260 5 | 9.848 | 0.0 | 59589539.469 | 444.9697 | ng/ml | | 100 |
| T AR1260 4 #2 | 10.204 | 0.0 | 10129110.244 | 426.5346 | ng/ml | m | 100 |
| T AR1260 5 #2 | 10.881 | 0.0 | 14420296.959 | 401.8134 | ng/ml | m | 100 |

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

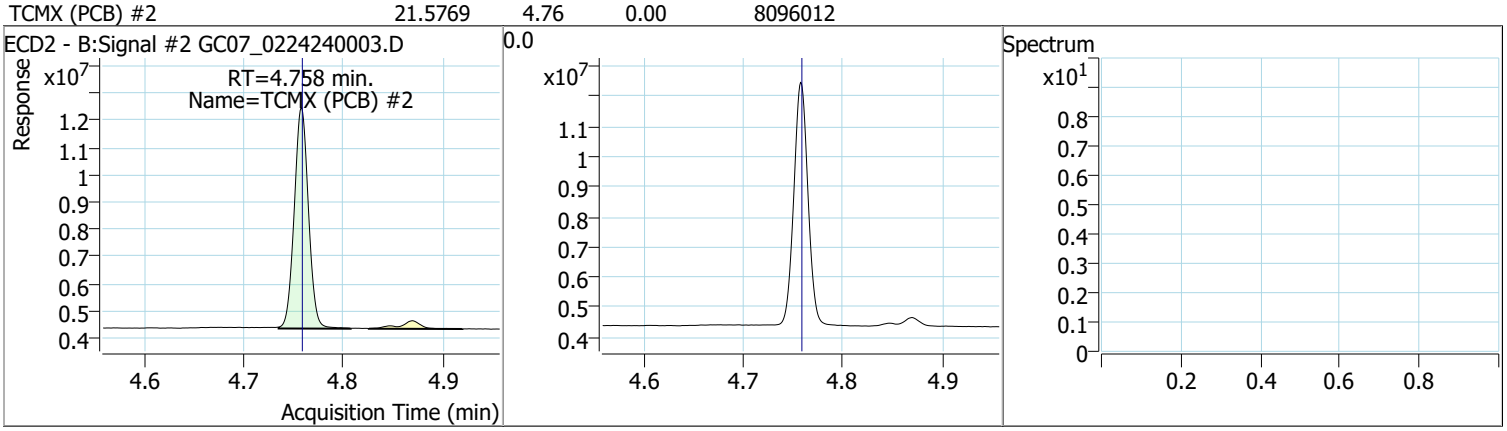
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) | 21.9399 | 4.40 | 0.00 | 45294965 | | | | |



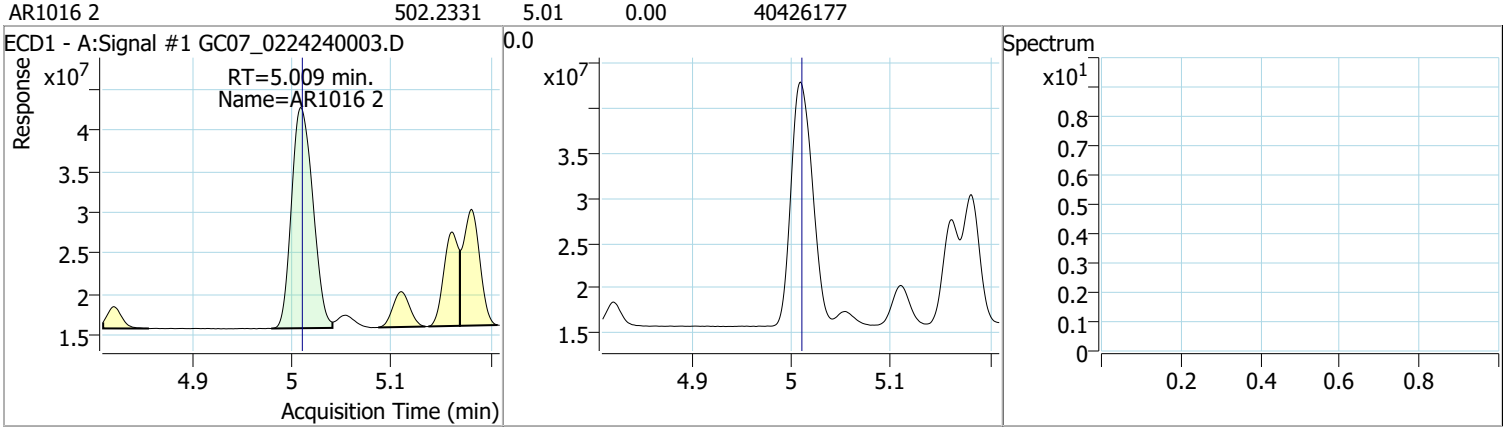

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 | 453.8251 | 4.72 | 0.00 | 20750155 | | | | |



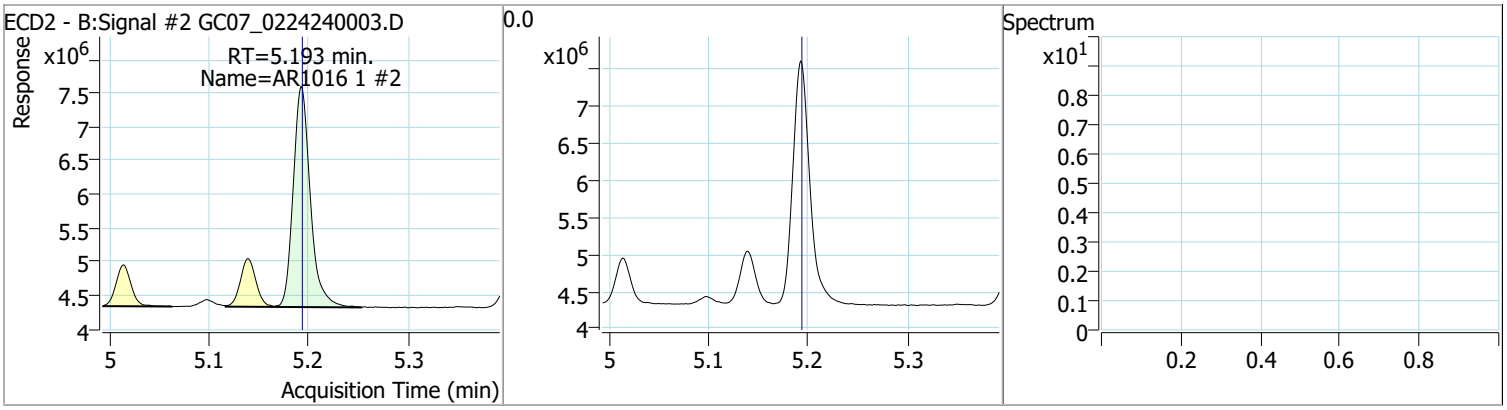

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| TCMX (PCB) #2 | 21.5769 | 4.76 | 0.00 | 8096012 | | | | |



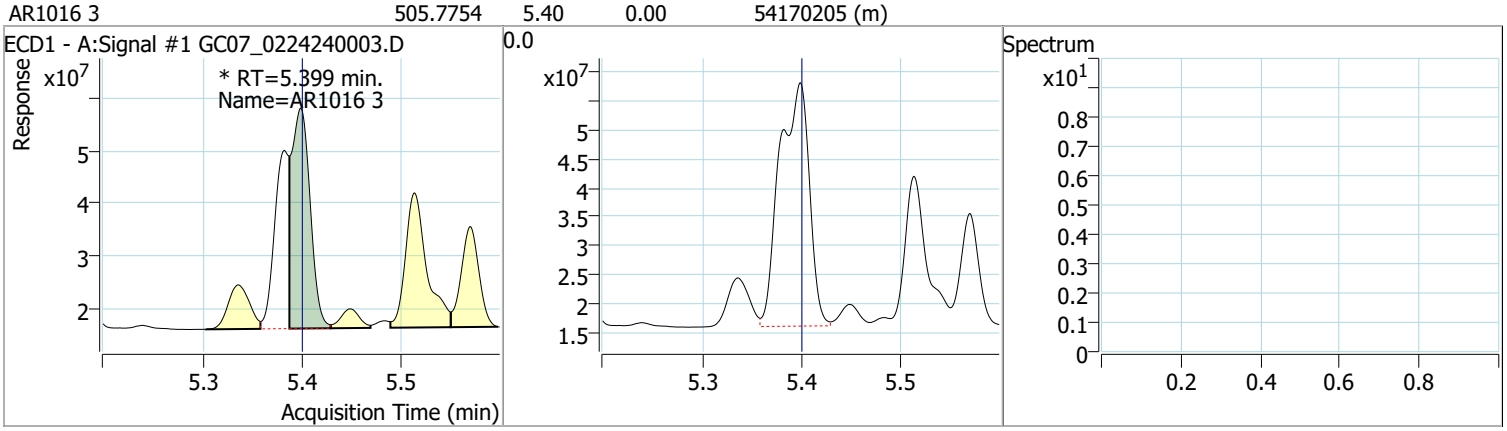

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 | 502.2331 | 5.01 | 0.00 | 40426177 | | | | |



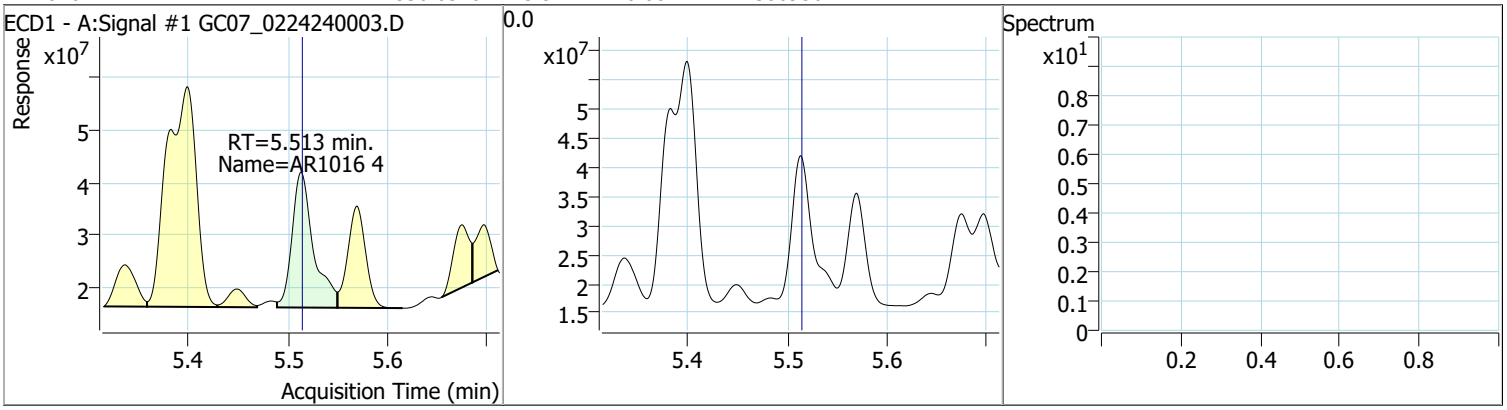
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 1 #2 | 488.5280 | 5.19 | 0.00 | 3925508 | | | | |



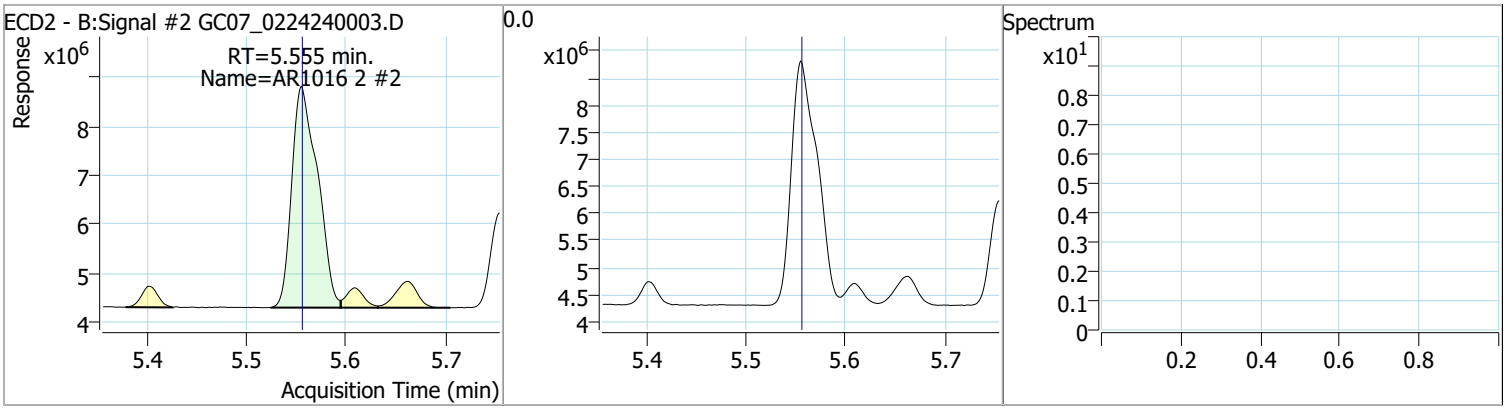

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 | 505.7754 | 5.40 | 0.00 | 54170205 (m) | | | | |



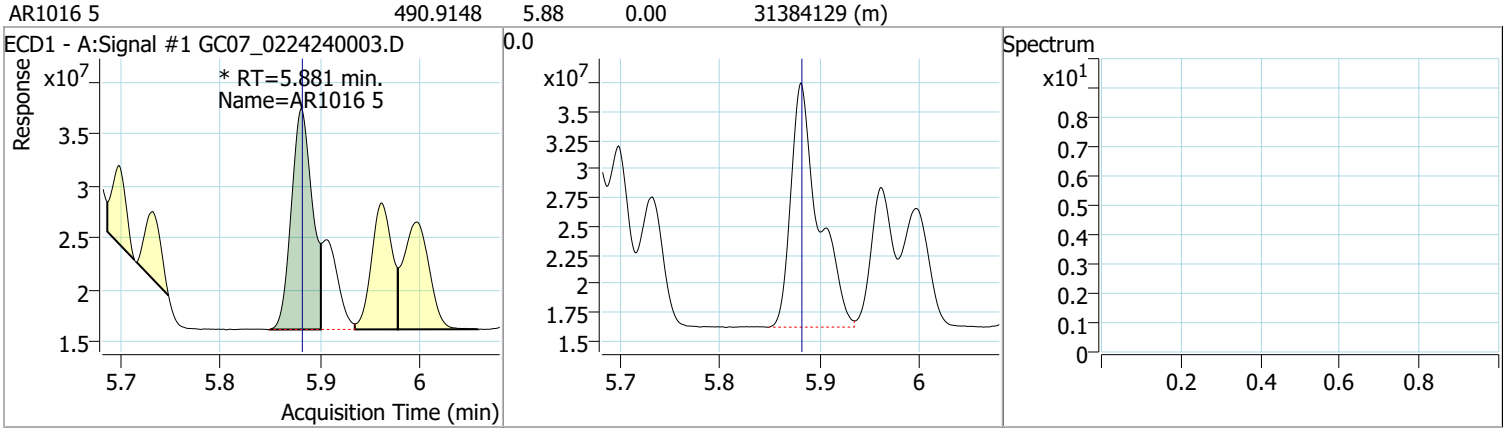

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 | 536.0510 | 5.51 | 0.00 | 38695672 | | | | |



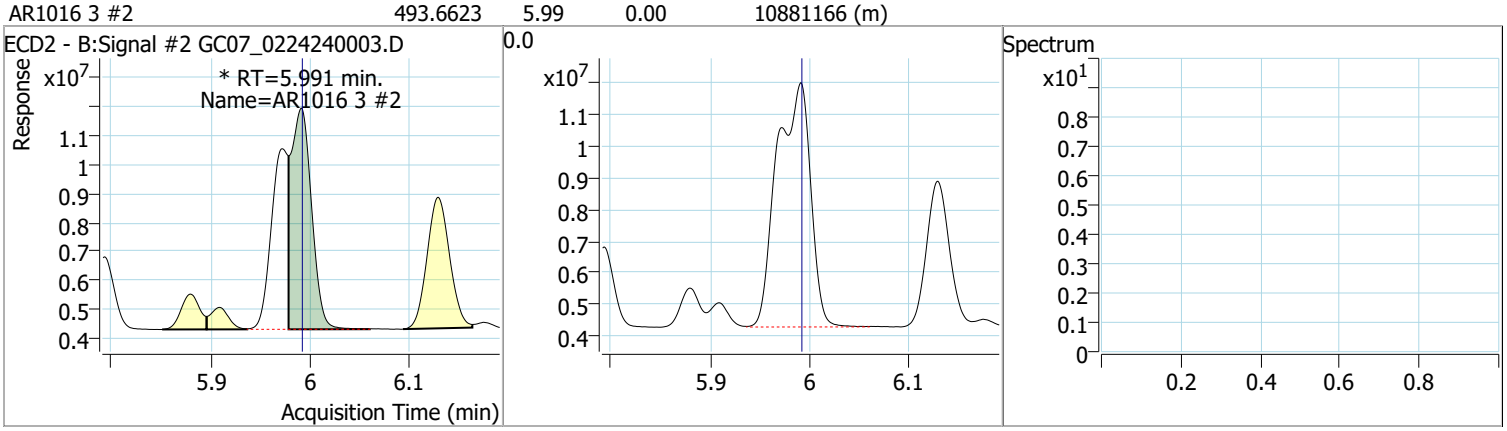

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 2 #2 | 507.8436 | 5.56 | 0.00 | 8140945 | | | | |



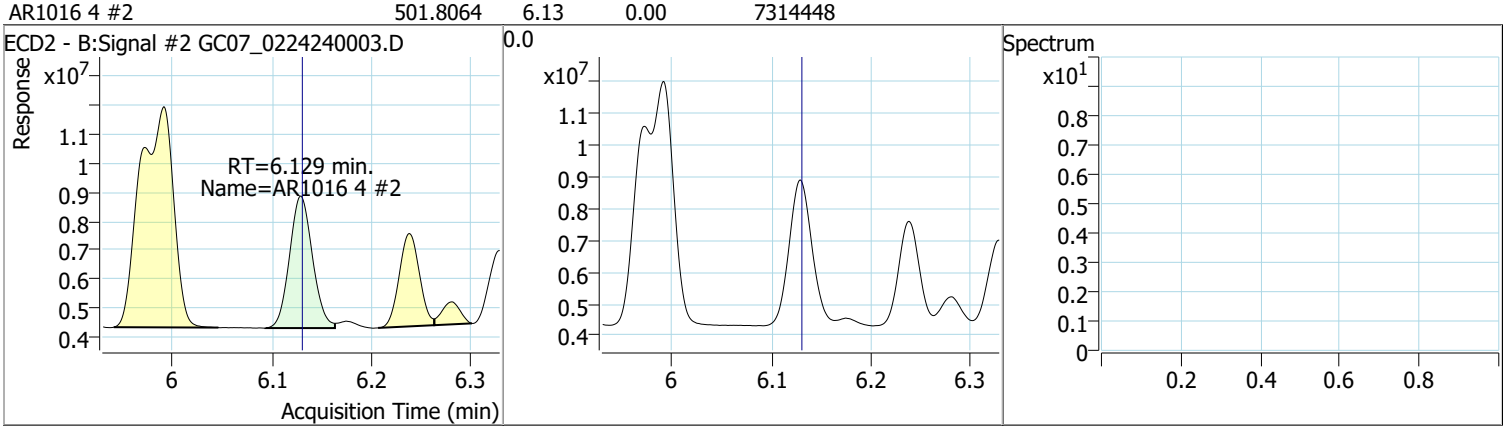
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 | 490.9148 | 5.88 | 0.00 | 31384129 (m) | | | | |



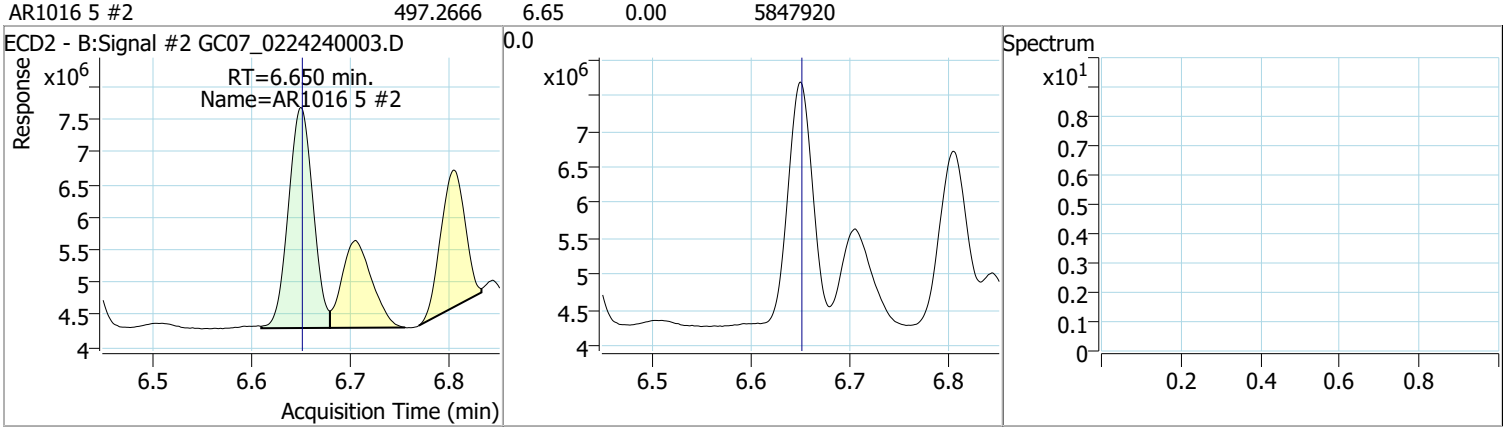

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 3 #2 | 493.6623 | 5.99 | 0.00 | 10881166 (m) | | | | |



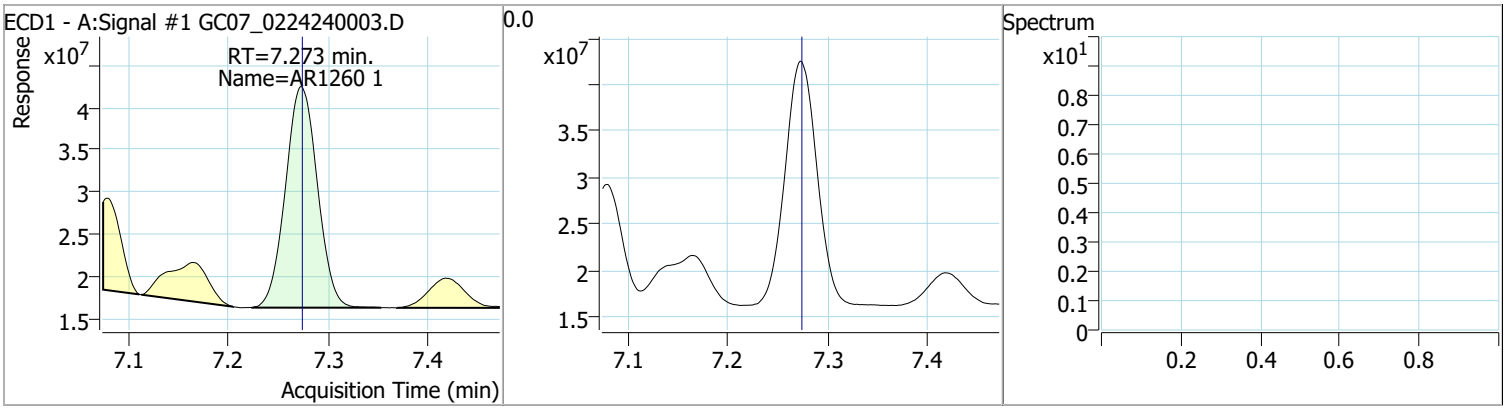

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 4 #2 | 501.8064 | 6.13 | 0.00 | 7314448 | | | | |



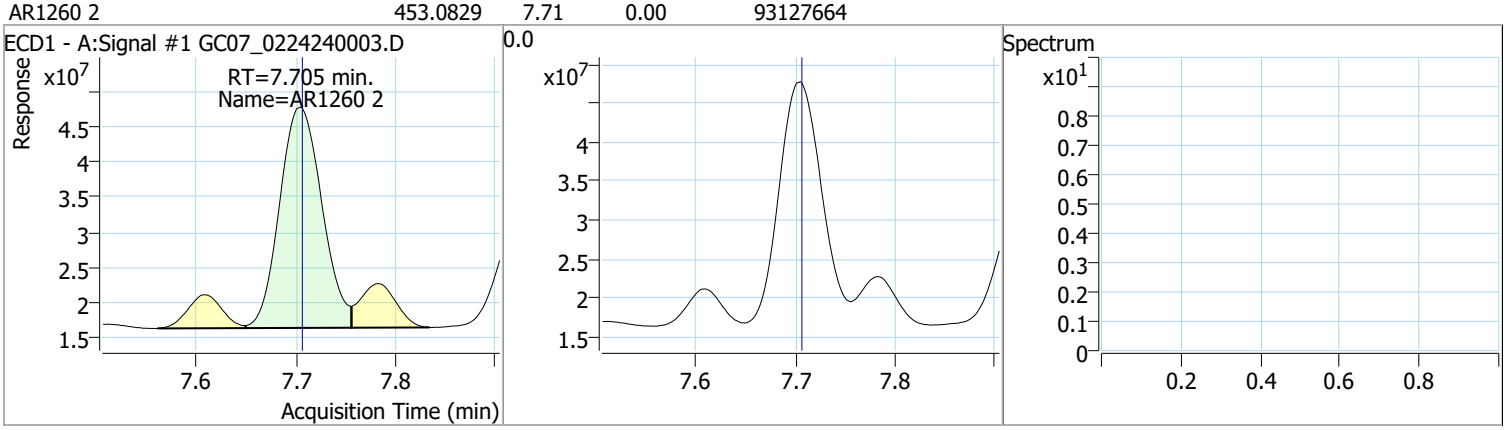

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1016 5 #2 | 497.2666 | 6.65 | 0.00 | 5847920 | | | | |



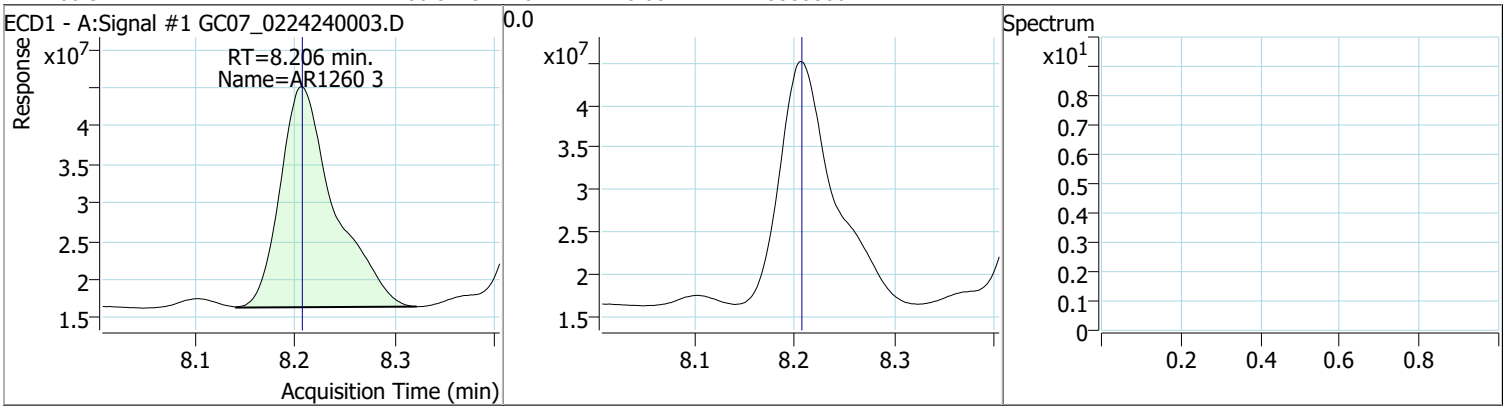
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 | 457.3617 | 7.27 | 0.00 | 58631448 | | | | |



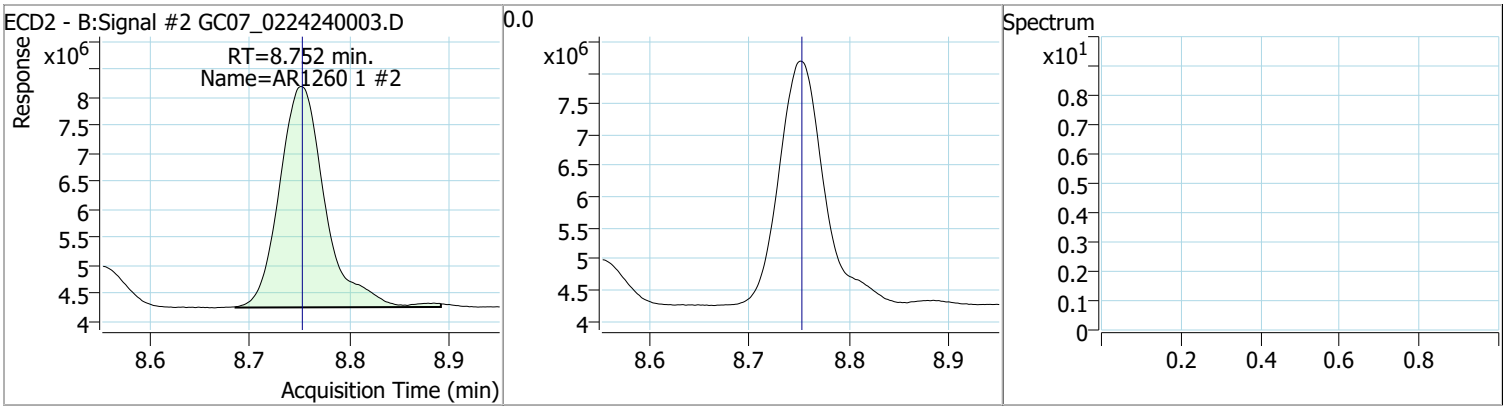

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 | 453.0829 | 7.71 | 0.00 | 93127664 | | | | |



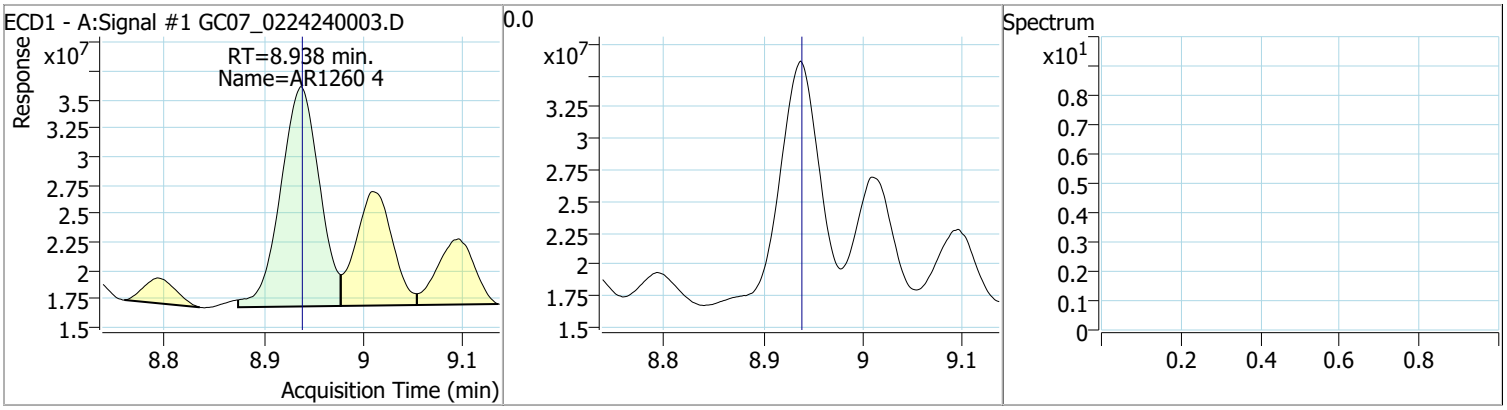

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 | 466.5415 | 8.21 | 0.00 | 108608667 | | | | |



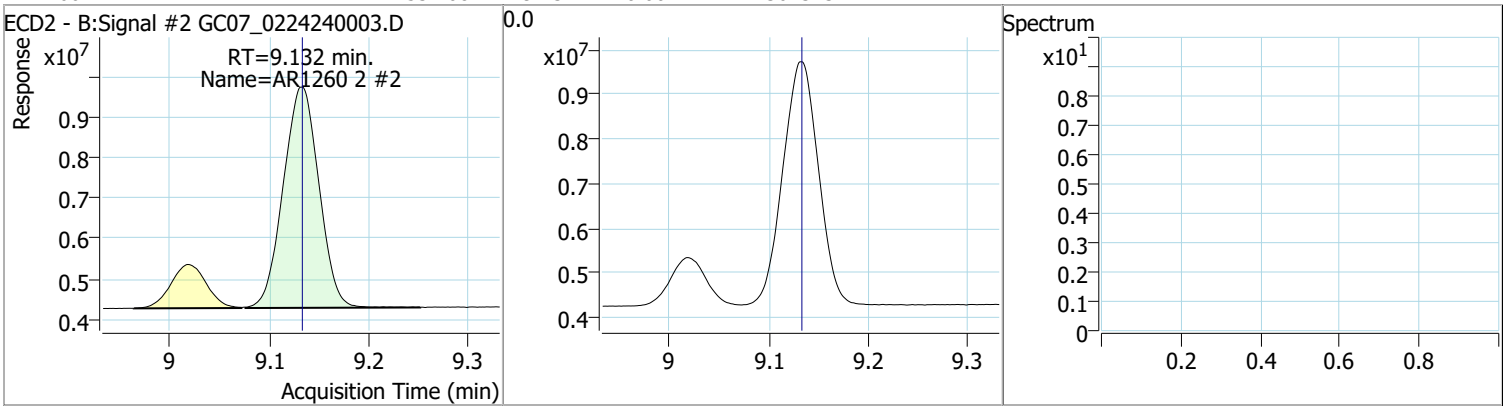

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 1 #2 | 457.7615 | 8.75 | 0.00 | 12559447 | | | | |



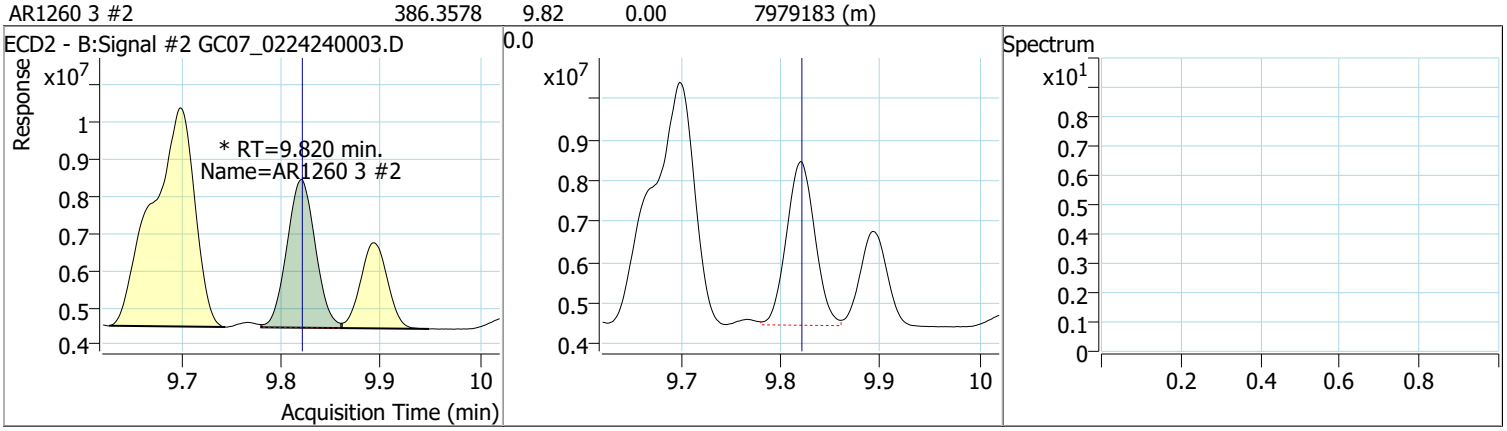
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 | 400.6595 | 8.94 | 0.00 | 52312359 | | | | |



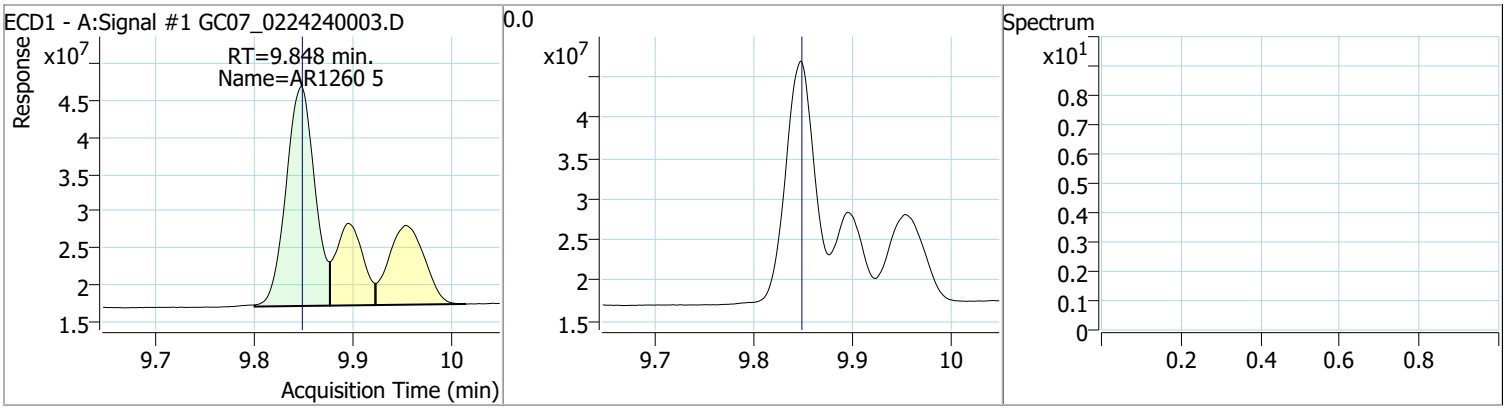

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 2 #2 | 453.7087 | 9.13 | 0.00 | 13613134 | | | | |



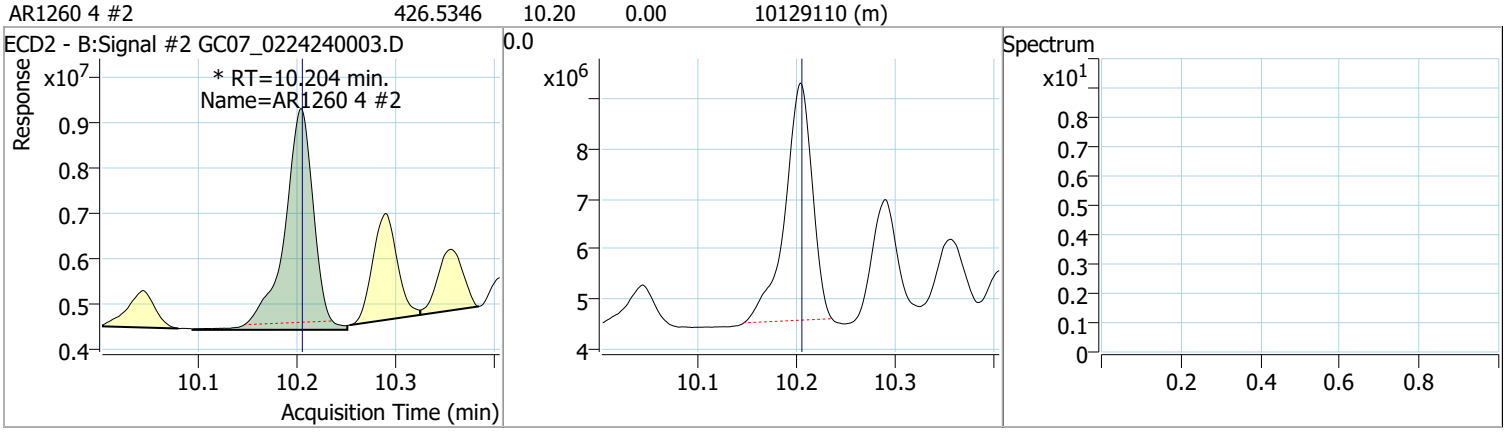

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 3 #2 | 386.3578 | 9.82 | 0.00 | 7979183 (m) | | | | |



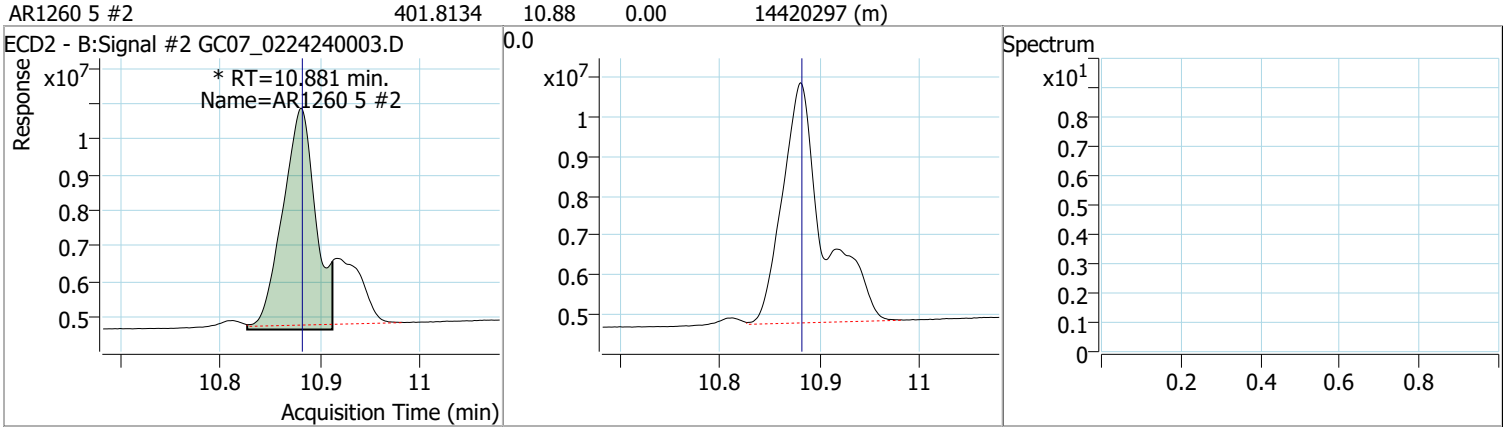

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 | 444.9697 | 9.85 | 0.00 | 59589539 | | | | |



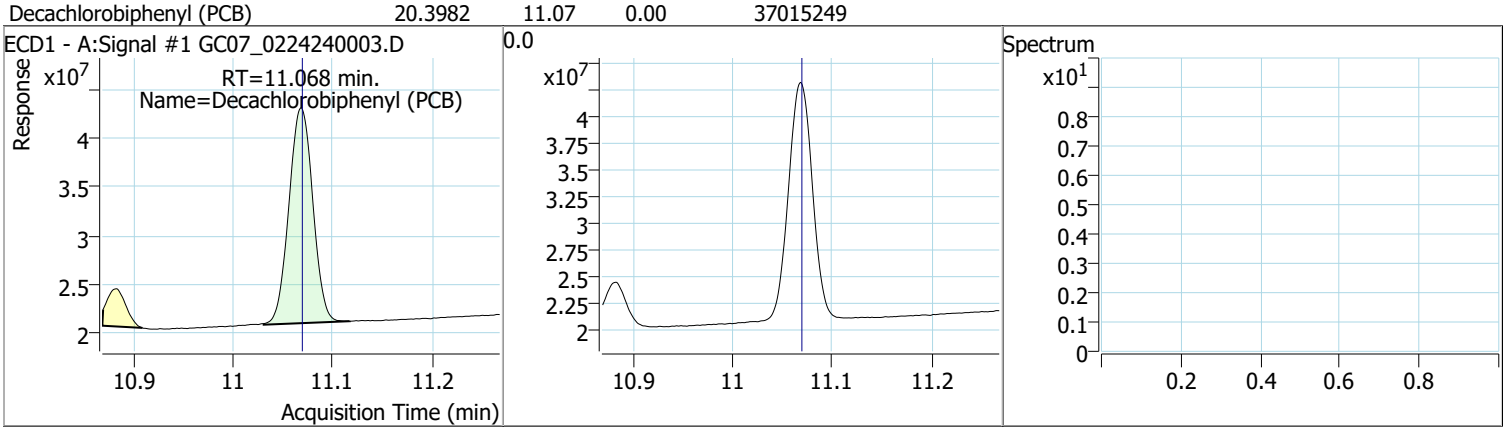
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 4 #2 | 426.5346 | 10.20 | 0.00 | 10129110 (m) | | | | |



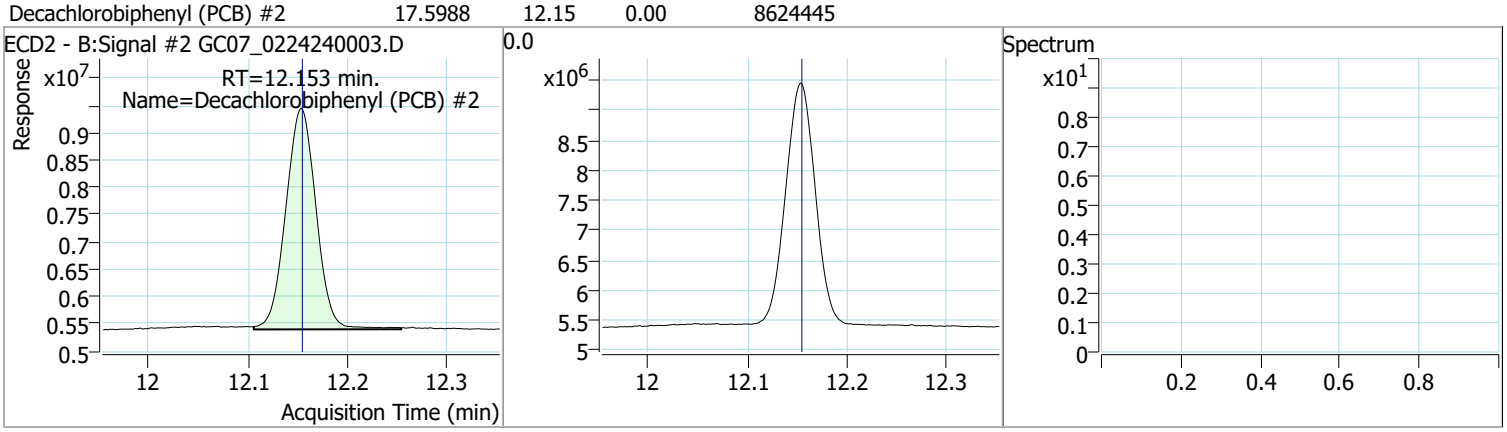

| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| AR1260 5 #2 | 401.8134 | 10.88 | 0.00 | 14420297 (m) | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 20.3982 | 11.07 | 0.00 | 37015249 | | | | |




| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) #2 | 17.5988 | 12.15 | 0.00 | 8624445 | | | | |



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

enthalpy.com

| | |
|---|---|
| Lab Job Number: | 502501 |
| Report Level: | IV |
| Report Date: | 02/26/2024 |

**Metals**

**Analytical Report** *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

*Authorized for release by:*



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

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

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

ENTHALPY ANALYTICAL

# Sample Summary

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

| | |
|---|---|
| Lab Job #: | 502501 |
| Project No: | 20-10491 |
| Location: | Hangar 1 NTCRA |
| Date Received: | 02/15/24 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA | 502501-003 | 02/14/24 15:25 | Wipe |
| AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA | 502501-005 | 02/14/24 11:45 | Wipe |
| AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA | 502501-007 | 02/14/24 12:00 | Wipe |
| AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF | 502501-009 | 02/14/24 15:15 | Wipe |
| AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA | 502501-011 | 02/14/24 14:35 | Wipe |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA | 502501-013 | 02/14/24 14:20 | Wipe |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-WF | 502501-015 | 02/14/24 14:45 | Wipe |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 502501-016 | 02/14/24 14:45 | Wipe |
| AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-L-LA | 502501-018 | 02/14/24 15:00 | Wipe |
| AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA | 502501-019 | 02/14/24 15:05 | Wipe |
| AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA | 502501-021 | 02/14/24 15:40 | Wipe |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-DUP-LA | 502501-023 | 02/14/24 14:20 | Wipe |

# Case Narrative
## METALS (EPA 6010B)

| | |
|---|---|
| Rincon Consultants<br>449 15th Street<br>#303<br>Oakland, CA 94612<br>Austin Moore | Lab Job Number: 502501<br>Project No: 20-10491<br>Location: Hangar 1 NTCRA<br>Date Received: 02/15/24 |

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 02/16/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Chain of Custody**

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# Chain of Custody Record

COC ID: 502501

Page: 1 of 2

**Turn Around Time (rush by advanced notice only)**

| | | | | | |
|---|---|---|---|---|---|
| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

**Report:** Level IV

**Sample Receipt Temp:** (lab use only)

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

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD |
|---|---|---|---|---|---|---|---|---|---|
| 1 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA | 2/14/2024 | 1525 | WP | 1 | -- | X | | |
| 2 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA | 2/14/2024 | 1525 | WP | 1 | -- | X | | |
| 3 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA | 2/14/2024 | 1525 | WP | 1 | -- | | X | |
| 4 | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA | 2/14/2024 | 1145 | WP | 1 | -- | X | | |
| 5 | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA | 2/14/2024 | 1145 | WP | 1 | -- | | X | |
| 6 | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA | 2/14/2024 | 1200 | WP | 1 | -- | X | | |
| 7 | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA | 2/14/2024 | 1200 | WP | 1 | -- | | X | |
| 8 | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF | 2/14/2024 | 1515 | WP | 1 | -- | X | | |
| 9 | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF | 2/14/2024 | 1515 | WP | 1 | -- | | X | |
| 10 | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA | 2/14/2024 | 1435 | WP | 1 | -- | X | | |
| 11 | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA | 2/14/2024 | 1435 | WP | 1 | -- | | X | |
| 12 | ~~AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-DUP-LA~~ | ~~2/14/2024~~ | | ~~WP~~ | 1 | -- | | X | |
| 13 | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA | 2/14/2024 | 1420 | WP | 1 | -- | X | | |
| 14 | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA | 2/14/2024 | 1420 | WP | 1 | -- | | X | |
| 15 | AFRAME-12W-LAT-L3-EXT-0 TO 1-240214-P-WF | 2/14/2024 | 1445 | WP | 1 | -- | X | | |

**Analysis Request**

**Test Instructions / Comments**

**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy)

TS

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | " ENTHALPY " | 2/15/24 14:10 |
| 2 Relinquished By: | Audrey Hudson | " | " 2.19.24 | ~~2/16/24 JJP~~ 16:40 |
| 2 Received By: | | Jodz Peterson JJP | Enthalpy 2.19.24 | ~~2.16.24 JJP~~ 16:40 |
| 3 Relinquished By: | | | Enthalpy 2.19.24 | ~~2.16.24 JJP~~ ~~16:18~~ 09 |
| 3 Received By: | | | CA | FEB 16 2024 1009 |

ENTHALPY ANALYTICAL

# Chain of Custody Record

COC ID: 502501

Page: 2 of 2

**Turn Around Time (rush by advanced notice only)**

| Standard: | X (PCBs) | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X (PB) | custom TAT: | |

**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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**Report:** Level IV

**Sample Receipt Temp:** (lab use only)

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

**Test Instructions / Comments**

**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy)

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | PCBs - EPA Method 3546/8082 | Lead by EPA Method 3050M/6010B | HOLD | |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | AFRAME-12W-LAT-L3-EXT-0 TO 1-240214-L-WF | 2/14/2024 | 1445 | WP | 1 | -- | | X | | |
| 17 | AFRAME-12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 2/14/2024 | 1445 | WP | 1 | -- | | X | | |
| 18 | AFRAME-~~C12W-LAT~~-L3-UP-~~C12.6~~-HS-240214-P-LA (C11W-MED, C11.6) | 2/14/2024 | 1500 | WP | 1 | -- | X | | | |
| 19 | AFRAME-~~C12W-LAT~~-L3-UP-~~C12.6~~-HS-240214-L-LA (C11W-MED, C11.6) | 2/14/2024 | 1500 | WP | 1 | -- | | X | | |
| 20 | ~~AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA~~ (C11W) | 2/14/2024 | | WP | 1 | -- | X | | | TS |
| 21 | AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA | 2/14/2024 | 1505 | WP | 1 | -- | | X | | |
| 22 | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA | 2/14/2024 | 1540 | WP | 1 | -- | X | | | |
| 23 | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA | 2/14/2024 | 1540 | WP | 1 | -- | | X | | |
| 24 | 240214-P-FIELDBLANK1-HO | 2/14/2024 | 1410 | WP | 1 | -- | X | | | |
| 25 | Aframe-C11W-LAT-L3-UP-C11.1-HS-20240214-L-DUP-LA | 2/14/2024 | 1420 | WP | 1 | -- | | X | | |
| 26 | Aframe-C12W-MED-L3-UP-C12.3-DG-20240214-P-LA | 2/14/24 | 1505 | WP | 1 | -- | X | | | |
| 27 | | | | | | | | | | |
| 28 | | | | | | | | | | |
| 29 | | | | | | | | | | |
| 30 | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Donald Welsh | Rincon / Env. Scientist | 2/15/24 1410 |
| 1 Received By: | Audrey Hudson | AUDREY HUDSON | ENTHALPY | 2/15/24 1410 |
| 2 Relinquished By: | Audrey Hudson | " | " JP 2.15.24 | ~~2/15/24~~ JP 2.15.24 1640 |
| 2 Received By: | | Jade Peterson JP | Enthalpy | ~~2.16.24~~ 2.15.24 1640 |
| 3 Relinquished By: | | 6 him | Enthalpy EA | 2.15.24 1809 |

FEB 16 2024 PW

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

## SAMPLE RECEIPT CHECKLIST

ENTHALPY

**Section 1: General Info**

Date Received: 2/15/24 Login # 502501 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 2.15.24 By (print) Jade Peterson (sign) _____

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

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

**Section 6: Explanations / Comments**

Date Logged 2/15/24 By (print) _____ (sign) _____

Date Labeled 2.15.24 By (print) Jade Peterson (sign) _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Rincon Consultants  Project: Hangar 1 NTCRA

Date Received: 02/16/24  Sampler's Name Present: [X] Yes [ ] No

**Section 2**

Sample(s) received in a cooler? [✔] Yes, How many? 1 [ ] No (skip section 2)  Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

**Section 3**

Was the cooler packed with: [✔] Ice [✔] Ice Packs [✔] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 4.2 #2: _____ #3: _____ #4: _____

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

**Section 5** Explanations/Comments

502501

**Section 6**

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: FEB 16 2024

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

SOUTHWEST AIRLINES

Printed on:
15 FEB 19:37

526 OAK 9940 7980

SNA

42

PC# 6 OF 7 | DG G | LOT WT 280 LB (126.9 KG)

OAK WN 2652 16 FEB 07:30

STN FLT DATE ETD LOT 01

PC ID: 0006
PC WT: 40LB

526 99407980 0006

S

**Results & QC Summary**

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502501 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA **Batch#:** 333242 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-003 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-003 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **300** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA **Batch#:** 333242 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-005 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-005 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **190** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA **Batch#:** 333242 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-007 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-007 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **100** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF **Batch#:** 333242 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-009 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-009 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **220** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA **Batch#:** 333242 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-011 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-011 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **96** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502501 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA **Batch#:** 333242 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-013 **Received:** 02/15/24 **Analyst:** SBW
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-013 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **210** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-WF **Batch#:** 333243 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-015 **Received:** 02/15/24 **Analyst:** RPS
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-015 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **77** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF **Batch#:** 333243 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-016 **Received:** 02/15/24 **Analyst:** RPS
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-016 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **81** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-L-LA **Batch#:** 333243 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-018 **Received:** 02/15/24 **Analyst:** RPS
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 20.00 **Analyzed:** 02/16/24

| 502501-018 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **460** | 3.3 | ug/ft2 |

**Field ID:** AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA **Batch#:** 333243 **Prep:** EPA 3050B
**Type:** SAMPLE **Sampled:** 02/14/24 **Analysis:** EPA 6010B
**Lab ID:** 502501-019 **Received:** 02/15/24 **Analyst:** RPS
**Matrix:** Wipe **Prepared:** 02/16/24
**Diln Fac:** 1.000 **Analyzed:** 02/16/24

| 502501-019 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **140** | 0.50 | ug/ft2 |

ENTHALPY ANALYTICAL

# Lead

**Lab #:** 502501 **Project#:** 20-10491
**Client:** Rincon Consultants **Location:** Hangar 1 NTCRA

**Field ID:** AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA
**Type:** SAMPLE
**Lab ID:** 502501-021
**Matrix:** Wipe
**Diln Fac:** 1.000

**Batch#:** 333243
**Sampled:** 02/14/24
**Received:** 02/15/24
**Prepared:** 02/16/24
**Analyzed:** 02/16/24

**Prep:** EPA 3050B
**Analysis:** EPA 6010B
**Analyst:** RPS

| 502501-021 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **220** | 0.50 | ug/ft2 |

**Field ID:** AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-DUP-LA
**Type:** SAMPLE
**Lab ID:** 502501-023
**Matrix:** Wipe
**Diln Fac:** 1.000

**Batch#:** 333243
**Sampled:** 02/14/24
**Received:** 02/15/24
**Prepared:** 02/16/24
**Analyzed:** 02/16/24

**Prep:** EPA 3050B
**Analysis:** EPA 6010B
**Analyst:** RPS

| 502501-023 Analyte | Result | RL | Units |
|---|---|---|---|
| **Lead** | **210** | 0.50 | ug/ft2 |

**Type:** BLANK
**Lab ID:** QC1128899
**Matrix:** Wipe
**Diln Fac:** 1.000

**Batch#:** 333242
**Prepared:** 02/16/24
**Analyzed:** 02/16/24
**Prep:** EPA 3050B

**Analysis:** EPA 6010B
**Analyst:** SBW

| QC1128899 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

**Type:** BLANK
**Lab ID:** QC1128902
**Matrix:** Wipe
**Diln Fac:** 1.000

**Batch#:** 333243
**Prepared:** 02/16/24
**Analyzed:** 02/16/24
**Prep:** EPA 3050B

**Analysis:** EPA 6010B
**Analyst:** RPS

| QC1128902 Analyte | Result | RL | Units |
|---|---|---|---|
| Lead | ND | 0.50 | ug/ft2 |

Legend
**ND:** Not Detected
**RL:** Reporting Limit

ENTHALPY ANALYTICAL

# Lead: Batch QC

**Lab #:** 502501 **Project#:** 20-10491

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

**Type:** BS **Batch#:** 333242 **Analysis:** EPA 6010B
**Lab ID:** QC1128900 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/16/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128900 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 57.97 | 116 | 80-120 | ug/ft2 |

**Type:** BS **Batch#:** 333243 **Analysis:** EPA 6010B
**Lab ID:** QC1128903 **Prepared:** 02/16/24 **Analyst:** RPS
**Matrix:** Wipe **Analyzed:** 02/16/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128903 Analyte | Spiked | Result | %REC | Limits | Units |
|---|---|---|---|---|---|
| Lead | 50.00 | 54.46 | 109 | 80-120 | ug/ft2 |

**Type:** BSD **Batch#:** 333242 **Analysis:** EPA 6010B
**Lab ID:** QC1128901 **Prepared:** 02/16/24 **Analyst:** SBW
**Matrix:** Wipe **Analyzed:** 02/16/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128901 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 57.98 | 116 | 80-120 | ug/ft2 | 0 | 20 |

**Type:** BSD **Batch#:** 333243 **Analysis:** EPA 6010B
**Lab ID:** QC1128904 **Prepared:** 02/16/24 **Analyst:** RPS
**Matrix:** Wipe **Analyzed:** 02/16/24
**Diln Fac:** 1.000 **Prep:** EPA 3050B

| QC1128904 Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---|---|---|---|---|---|---|---|
| Lead | 50.00 | 52.18 | 104 | 80-120 | ug/ft2 | 4 | 20 |

Legend

**RPD:** Relative Percent Difference

REPORTING SUMMARY FOR 502501 METALS Wipe
Enthalpy Analytical - Orange

| Lab ID | Inst ID | Analyzed | IDF | PB |
|---|---|---|---|---|
| 502501-003 | MET12 | 02/16/24 18:30 | 1.0 | ✓ |
| 502501-005 | MET12 | 02/16/24 18:33 | 1.0 | ✓ |
| 502501-007 | MET12 | 02/16/24 18:36 | 1.0 | ✓ |
| 502501-009 | MET12 | 02/16/24 18:40 | 1.0 | ✓ |
| 502501-011 | MET12 | 02/16/24 18:43 | 1.0 | ✓ |
| 502501-013 | MET12 | 02/16/24 18:46 | 1.0 | ✓ |
| 502501-015 | MET12 | 02/16/24 16:28 | 1.0 | ✓ |
| 502501-016 | MET12 | 02/16/24 16:31 | 1.0 | ✓ |
| 502501-018 | MET12 | 02/16/24 16:34 | 1.0 | |
| 502501-018 | MET12 | 02/16/24 18:49 | 20.0 | ✓ |
| 502501-019 | MET12 | 02/16/24 16:38 | 1.0 | ✓ |
| 502501-021 | MET12 | 02/16/24 16:41 | 1.0 | ✓ |
| 502501-023 | MET12 | 02/16/24 16:44 | 1.0 | ✓ |
| QC1128899 | MET12 | 02/16/24 17:24 | 1.0 | ✓ |
| QC1128900 | MET12 | 02/16/24 17:28 | 1.0 | ✓ |
| QC1128901 | MET12 | 02/16/24 17:31 | 1.0 | ✓ |
| QC1128902 | MET12 | 02/16/24 16:13 | 1.0 | ✓ |
| QC1128903 | MET12 | 02/16/24 16:16 | 1.0 | ✓ |
| QC1128904 | MET12 | 02/16/24 16:19 | 1.0 | ✓ |

Enthalpy Sequence Summary for Sequence 794068193

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | icp data | ICALBLK | | | | 02/16/24 08:33 | 1.0 | | |
| 002 | icp data | ICAL | L1 | | | 02/16/24 08:36 | 1.0 | 1 | |
| 003 | icp data | ICAL | L2 | | | 02/16/24 08:39 | 1.0 | 2 | |
| 004 | icp data | ICAL | L3 | | | 02/16/24 08:42 | 1.0 | 3 | |
| 005 | icp data | ICAL | L4 | | | 02/16/24 08:45 | 1.0 | 4 | |
| 006 | icp data | ICAL | L5 | | | 02/16/24 08:48 | 1.0 | 5 | |
| 007 | icp data | ICAL | L6 | | | 02/16/24 08:51 | 1.0 | 6 | |
| 008 | icp data | ICAL | L7 | | | 02/16/24 08:55 | 1.0 | 7 | |
| 009 | icp data | ICAL | L8 | | | 02/16/24 08:58 | 1.0 | 8 | |
| 010 | icp data | XICV | | | | 02/16/24 09:01 | 1.0 | 9 | |
| 011 | icp data | ICV | | | | 02/16/24 09:11 | 1.0 | 9 | |
| 012 | icp data | ICB | | | | 02/16/24 09:20 | 1.0 | | |
| 013 | icp data | CRI | | | | 02/16/24 09:23 | 1.0 | 10 | |
| 014 | icp data | ICSA | | | | 02/16/24 09:26 | 1.0 | 11 | 6:MGASMGCO3=1300 |
| 015 | icp data | ICSAB | | | | 02/16/24 09:29 | 1.0 | 12 | 6:MGASMGCO3=1400 |
| 016 | icp data | BLANK | QC1128646 | Water | 333174 | 02/16/24 09:40 | 1.0 | 13 | |
| 017 | icp data | LCS | QC1128647 | Water | 333174 | 02/16/24 09:43 | 1.0 | 13 | |
| 018 | icp data | MSS | 502412-001 | Water | 333174 | 02/16/24 09:46 | 1.0 | 13 | 1:CAASCACO3=370 |
| 019 | icp data | MS | QC1128648 | Water | 333174 | 02/16/24 09:49 | 1.0 | 13 | 1:CAASCACO3=420 |
| 020 | icp data | MSD | QC1128649 | Water | 333174 | 02/16/24 09:52 | 1.0 | 13 | 1:CAASCACO3=430 |
| 021 | icp data | SAMPLE | 502412-002 | Water | 333174 | 02/16/24 09:55 | 1.0 | 13 | 1:FE=29 |
| 022 | icp data | SAMPLE | 502412-003 | Water | 333174 | 02/16/24 09:59 | 1.0 | 13 | 1:FE=26 |
| 023 | icp data | SAMPLE | 502412-004 | Water | 333174 | 02/16/24 10:02 | 1.0 | 13 | |
| 024 | icp data | SAMPLE | 502412-005 | Water | 333174 | 02/16/24 10:05 | 1.0 | 13 | 1:FE=54 |
| 025 | icp data | LCS | QC1128388 | Water | 333098 | 02/16/24 10:08 | 1.0 | 13 | |
| 026 | icp data | CCV | | | | 02/16/24 10:11 | 1.0 | 9 | |
| 027 | icp data | CCB | | | | 02/16/24 10:20 | 1.0 | | |
| 028 | icp data | SAMPLE | 502412-006 | Water | 333174 | 02/16/24 10:23 | 1.0 | 13 | |
| 029 | icp data | BLANK | QC1128490 | Soil | 333126 | 02/16/24 10:26 | 1.0 | 13 | |
| 030 | icp data | SAMPLE | 502408-037 | Soil | 333097 | 02/16/24 10:29 | 10.0 | 13 | |
| 031 | icp data | SAMPLE | 502408-044 | Soil | 333146 | 02/16/24 10:32 | 50.0 | 13 | |
| 032 | icp data | SAMPLE | 502408-045 | Soil | 333097 | 02/16/24 10:35 | 10.0 | 13 | 2:FE=47 |
| 033 | icp data | SAMPLE | 502408-051 | Soil | 333146 | 02/16/24 10:38 | 10.0 | 13 | 2:FE=25 |
| 034 | icp data | SAMPLE | 502408-058 | Soil | 333146 | 02/16/24 10:41 | 10.0 | 13 | 1:FE=21 |
| 035 | icp data | BLANK | QC1128646 | Water | 333174 | 02/16/24 10:44 | 1.0 | 13 | |
| 036 | icp data | BLANK | QC1128660 | Soil | 333179 | 02/16/24 10:48 | 1.0 | 13 | |
| 037 | icp data | LCS | QC1128661 | Soil | 333179 | 02/16/24 10:51 | 1.0 | 13 | |
| 038 | icp data | CCV | | | | 02/16/24 10:54 | 1.0 | 9 | |
| 039 | icp data | CCB | | | | 02/16/24 10:57 | 1.0 | | |
| 040 | icp data | MSS | 502396-016 | Soil | 333179 | 02/16/24 11:00 | 1.0 | 13 | 5:CAASCACO3=960 |
| 041 | icp data | MS | QC1128662 | Soil | 333179 | 02/16/24 11:03 | 1.0 | 13 | 6:CAASCACO3=960 |
| 042 | icp data | MSD | QC1128663 | Soil | 333179 | 02/16/24 11:06 | 1.0 | 13 | 7:CAASCACO3=1000 |
| 043 | icp data | PDS | QC1128664 | Soil | 333179 | 02/16/24 11:09 | 1.0 | 13 | 7:CAASCACO3=990 |
| 044 | icp data | SAMPLE | 502368-001 | Soil | 333179 | 02/16/24 11:13 | 1.0 | 13 | 3:FE=230 |
| 045 | icp data | SAMPLE | 502368-002 | Soil | 333179 | 02/16/24 11:16 | 1.0 | 13 | 2:FE=190 |
| 046 | icp data | SAMPLE | 502368-003 | Soil | 333179 | 02/16/24 11:19 | 1.0 | 13 | 2:FE=160 |
| 047 | icp data | SAMPLE | 502368-004 | Soil | 333179 | 02/16/24 11:22 | 1.0 | 13 | 2:FE=210 |
| 048 | icp data | SAMPLE | 502042-001 | Soil | 333179 | 02/16/24 11:25 | 1.0 | 13 | 2:FE=99 |
| 049 | icp data | SAMPLE | 502182-001 | Soil | 333179 | 02/16/24 11:28 | 1.0 | 13 | 2:FE=97 |
| 050 | icp data | CCV | | | | 02/16/24 11:31 | 1.0 | 9 | |
| 051 | icp data | CCB | | | | 02/16/24 11:34 | 1.0 | | |
| 052 | icp data | SAMPLE | 502183-001 | Soil | 333179 | 02/16/24 11:38 | 1.0 | 13 | 2:FE=170 |
| 053 | icp data | SAMPLE | 502367-005 | Soil | 333179 | 02/16/24 11:41 | 1.0 | 13 | 2:FE=160 |
| 054 | icp data | SAMPLE | 502396-017 | Soil | 333179 | 02/16/24 11:44 | 1.0 | 13 | 2:FE=130 |
| 055 | icp data | SAMPLE | 502396-018 | Soil | 333179 | 02/16/24 11:47 | 1.0 | 13 | 2:FE=120 |

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 056 | icp data | SAMPLE | 502396-019 | Soil | 333179 | 02/16/24 11:50 | 1.0 | 13 | 3:FE=140 |
| 057 | icp data | SAMPLE | 502396-020 | Soil | 333179 | 02/16/24 11:53 | 1.0 | 13 | 2:FE=130 |
| 058 | icp data | SAMPLE | 502396-021 | Soil | 333179 | 02/16/24 11:56 | 1.0 | 13 | 3:FE=160 |
| 059 | icp data | SAMPLE | 502396-022 | Soil | 333179 | 02/16/24 11:59 | 1.0 | 13 | 2:FE=160 |
| 060 | icp data | SAMPLE | 502396-023 | Soil | 333179 | 02/16/24 12:03 | 1.0 | 13 | 2:FE=160 |
| 061 | icp data | SAMPLE | 502396-024 | Soil | 333179 | 02/16/24 12:06 | 1.0 | 13 | 2:FE=150 |
| 062 | icp data | CCV | | | | 02/16/24 12:09 | 1.0 | 9 | |
| 063 | icp data | CCB | | | | 02/16/24 12:12 | 1.0 | | |
| 064 | icp data | SAMPLE | 502396-025 | Soil | 333179 | 02/16/24 12:15 | 1.0 | 13 | 2:FE=130 |
| 065 | icp data | SAMPLE | 502411-001 | Soil | 333179 | 02/16/24 12:18 | 1.0 | 13 | 2:FE=140 |
| 066 | icp data | SAMPLE | 502280-001 | Miscell. | 333124 | 02/16/24 12:27 | 2.0 | 13 | |
| 067 | icp data | BLANK | QC1128713 | Soil | 333191 | 02/16/24 12:30 | 1.0 | 13 | |
| 068 | icp data | LCS | QC1128714 | Soil | 333191 | 02/16/24 12:33 | 1.0 | 13 | |
| 069 | icp data | SAMPLE | 502079-001 | Soil | 333191 | 02/16/24 12:36 | 1.0 | 13 | 3:CA=2300 |
| 070 | icp data | SAMPLE | 502312-001 | Soil | 333191 | 02/16/24 12:39 | 1.0 | 13 | 2:FE=97 |
| 071 | icp data | SAMPLE | 502312-004 | Soil | 333191 | 02/16/24 12:42 | 1.0 | 13 | 2:FE=140 |
| 072 | icp data | SAMPLE | 502312-007 | Soil | 333191 | 02/16/24 12:46 | 1.0 | 13 | 2:FE=150 |
| 073 | icp data | CCV | | | | 02/16/24 12:49 | 1.0 | 9 | |
| 074 | icp data | CCB | | | | 02/16/24 12:52 | 1.0 | | |
| 075 | icp data | SAMPLE | 502312-010 | Soil | 333191 | 02/16/24 12:55 | 1.0 | 13 | 2:FE=130 |
| 076 | icp data | SAMPLE | 502312-013 | Soil | 333191 | 02/16/24 12:58 | 1.0 | 13 | 2:FE=220 |
| 077 | icp data | SAMPLE | 502312-016 | Soil | 333191 | 02/16/24 13:01 | 1.0 | 13 | 2:FE=160 |
| 078 | icp data | SAMPLE | 502312-019 | Soil | 333191 | 02/16/24 13:04 | 1.0 | 13 | 2:AL=130 |
| 079 | icp data | MSS | 502411-003 | Soil | 333191 | 02/16/24 13:07 | 1.0 | 13 | 4:FEASFE2O3=200 |
| 080 | icp data | MS | QC1128715 | Soil | 333191 | 02/16/24 13:11 | 1.0 | 13 | 4:ALASAL2O3=230 |
| 081 | icp data | MSD | QC1128716 | Soil | 333191 | 02/16/24 13:14 | 1.0 | 13 | 4:ALASAL2O3=230 |
| 082 | icp data | PDS | QC1128717 | Soil | 333191 | 02/16/24 13:17 | 1.0 | 13 | 4:FEASFE2O3=190 |
| 083 | icp data | SAMPLE | 502411-004 | Soil | 333191 | 02/16/24 13:20 | 1.0 | 13 | 2:FE=130 |
| 084 | icp data | SAMPLE | 502368-001 | Soil | 333179 | 02/16/24 13:23 | 5.0 | 13 | 2:FE=55 |
| 085 | icp data | XCCV | | | | 02/16/24 13:26 | 1.0 | 9 | |
| 086 | icp data | XCCV | | | | 02/16/24 13:31 | 1.0 | 9 | |
| 087 | icp data | CCV | | | | 02/16/24 13:52 | 1.0 | 9 | |
| 088 | icp data | CCB | | | | 02/16/24 13:55 | 1.0 | | |
| 089 | icp data | SAMPLE | 502411-006 | Soil | 333191 | 02/16/24 13:58 | 1.0 | 13 | 2:FE=150 |
| 090 | icp data | SAMPLE | 502411-005 | Soil | 333191 | 02/16/24 14:02 | 1.0 | 13 | 2:FE=150 |
| 091 | icp data | SAMPLE | 502183-001 | Soil | 333179 | 02/16/24 14:05 | 1.0 | 13 | 2:FE=190 |
| 092 | icp data | SAMPLE | 502367-005 | Soil | 333179 | 02/16/24 14:08 | 1.0 | 13 | 2:FE=170 |
| 093 | icp data | SAMPLE | 502396-017 | Soil | 333179 | 02/16/24 14:11 | 1.0 | 13 | 2:FE=130 |
| 094 | icp data | SAMPLE | 502396-018 | Soil | 333179 | 02/16/24 14:14 | 1.0 | 13 | 2:FE=130 |
| 095 | icp data | SAMPLE | 502396-019 | Soil | 333179 | 02/16/24 14:17 | 1.0 | 13 | 3:FE=140 |
| 096 | icp data | SAMPLE | 502396-019 | Soil | 333179 | 02/16/24 14:20 | 5.0 | 13 | 2:FE=32 |
| 097 | icp data | SAMPLE | 502396-020 | Soil | 333179 | 02/16/24 14:23 | 1.0 | 13 | 2:FE=130 |
| 098 | icp data | SAMPLE | 502396-021 | Soil | 333179 | 02/16/24 14:27 | 1.0 | 13 | 3:FE=170 |
| 099 | icp data | CCV | | | | 02/16/24 14:30 | 1.0 | 9 | |
| 100 | icp data | CCB | | | | 02/16/24 14:33 | 1.0 | | |
| 101 | icp data | SAMPLE | 502396-022 | Soil | 333179 | 02/16/24 14:36 | 1.0 | 13 | 2:FE=160 |
| 102 | icp data | SAMPLE | 502396-023 | Soil | 333179 | 02/16/24 14:39 | 1.0 | 13 | 2:FE=160 |
| 103 | icp data | SAMPLE | 502396-024 | Soil | 333179 | 02/16/24 14:42 | 1.0 | 13 | 2:FE=160 |
| 104 | icp data | SAMPLE | 502396-025 | Soil | 333179 | 02/16/24 14:45 | 1.0 | 13 | 2:FE=130 |
| 105 | icp data | BLANK | QC1128836 | TCLP Leachate | 333221 | 02/16/24 14:48 | 1.0 | 13 | |
| 106 | icp data | LCS | QC1128837 | TCLP Leachate | 333221 | 02/16/24 14:52 | 1.0 | 13 | |
| 107 | icp data | MSS | 502079-001 | TCLP Leachate | 333221 | 02/16/24 14:55 | 1.0 | 13 | 2:CAASCACO3=2500 |
| 108 | icp data | MS | QC1128838 | TCLP Leachate | 333221 | 02/16/24 14:58 | 1.0 | 13 | 2:CAASCACO3=2300 |
| 109 | icp data | MSD | QC1128839 | TCLP Leachate | 333221 | 02/16/24 15:01 | 1.0 | 13 | 2:CAASCACO3=2400 |
| 110 | icp data | BLANK | QC1128831 | TCLP Leachate | 333220 | 02/16/24 15:04 | 1.0 | 13 | |

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 111 | icp data | CCV | | | | 02/16/24 15:07 | 1.0 | 9 | |
| 112 | icp data | CCB | | | | 02/16/24 15:10 | 1.0 | | |
| 113 | icp data | BLANK | QC1128832 | TCLP Leachate | 333220 | 02/16/24 15:13 | 1.0 | 13 | |
| 114 | icp data | LCS | QC1128833 | TCLP Leachate | 333220 | 02/16/24 15:16 | 1.0 | 13 | |
| 115 | icp data | SAMPLE | 501611-001 | TCLP Leachate | 333220 | 02/16/24 15:20 | 1.0 | 13 | |
| 116 | icp data | SAMPLE | 501613-001 | TCLP Leachate | 333220 | 02/16/24 15:23 | 1.0 | 13 | |
| 117 | icp data | MSS | 501832-001 | TCLP Leachate | 333220 | 02/16/24 15:26 | 1.0 | 13 | 1:ZN=37 |
| 118 | icp data | MS | QC1128834 | TCLP Leachate | 333220 | 02/16/24 15:29 | 1.0 | 13 | 1:ZN=38 |
| 119 | icp data | MSD | QC1128835 | TCLP Leachate | 333220 | 02/16/24 15:32 | 1.0 | 13 | 1:ZN=38 |
| 120 | icp data | SAMPLE | 501834-001 | TCLP Leachate | 333220 | 02/16/24 15:35 | 1.0 | 13 | 2:AL=64 |
| 121 | icp data | SAMPLE | 501973-001 | TCLP Leachate | 333220 | 02/16/24 15:38 | 1.0 | 13 | |
| 122 | icp data | SAMPLE | 501973-002 | TCLP Leachate | 333220 | 02/16/24 15:41 | 1.0 | 13 | |
| 123 | icp data | CCV | | | | 02/16/24 15:45 | 1.0 | 9 | |
| 124 | icp data | CCB | | | | 02/16/24 15:48 | 1.0 | | |
| 125 | icp data | BLANK | QC1128283 | Water | 333057 | 02/16/24 15:51 | 1.0 | 13 | |
| 126 | icp data | LCS | QC1128284 | Water | 333057 | 02/16/24 15:54 | 1.0 | 13 | |
| 127 | icp data | MSS | 502182-002 | Water | 333057 | 02/16/24 15:57 | 1.0 | 13 | |
| 128 | icp data | MS | QC1128285 | Water | 333057 | 02/16/24 16:00 | 1.0 | 13 | |
| 129 | icp data | MSD | QC1128286 | Water | 333057 | 02/16/24 16:03 | 1.0 | 13 | |
| 130 | icp data | SAMPLE | 502183-002 | Water | 333057 | 02/16/24 16:06 | 10.0 | 13 | |
| 131 | icp data | SAMPLE | 502232-001 | Water | 333057 | 02/16/24 16:10 | 10.0 | 13 | |
| 132 | icp data | BLANK | QC1128902 | Wipe | 333243 | 02/16/24 16:13 | 1.0 | 13 | |
| 133 | icp data | BS | QC1128903 | Wipe | 333243 | 02/16/24 16:16 | 1.0 | 13 | |
| 134 | icp data | BSD | QC1128904 | Wipe | 333243 | 02/16/24 16:19 | 1.0 | 13 | |
| 135 | icp data | CCV | | | | 02/16/24 16:22 | 1.0 | 9 | |
| 136 | icp data | CCB | | | | 02/16/24 16:25 | 1.0 | | |
| 137 | icp data | SAMPLE | 502501-015 | Wipe | 333243 | 02/16/24 16:28 | 1.0 | 13 | 1:FE=150 |
| 138 | icp data | SAMPLE | 502501-016 | Wipe | 333243 | 02/16/24 16:31 | 1.0 | 13 | 1:FE=100 |
| 139 | icp data | SAMPLE | 502501-018 | Wipe | 333243 | 02/16/24 16:34 | 1.0 | 13 | 3:FE=150 |
| 140 | icp data | SAMPLE | 502501-019 | Wipe | 333243 | 02/16/24 16:38 | 1.0 | 13 | 1:FE=170 |
| 141 | icp data | SAMPLE | 502501-021 | Wipe | 333243 | 02/16/24 16:41 | 1.0 | 13 | 1:FE=110 |
| 142 | icp data | SAMPLE | 502501-023 | Wipe | 333243 | 02/16/24 16:44 | 1.0 | 13 | 2:FE=130 |
| 143 | icp data | LCS | QC1128739 | Water | 333196 | 02/16/24 16:47 | 1.0 | 13 | |
| 144 | icp data | MSS | 501958-001 | Water | 333196 | 02/16/24 16:50 | 1.0 | 13 | |
| 145 | icp data | MS | QC1128740 | Water | 333196 | 02/16/24 16:53 | 1.0 | 13 | |
| 146 | icp data | MSD | QC1128741 | Water | 333196 | 02/16/24 16:56 | 1.0 | 13 | |
| 147 | icp data | CCV | | | | 02/16/24 16:59 | 1.0 | 9 | |
| 148 | icp data | CCB | | | | 02/16/24 17:03 | 1.0 | | |
| 149 | icp data | SAMPLE | 502298-001 | Water | 333196 | 02/16/24 17:06 | 1.0 | 13 | |
| 150 | icp data | SAMPLE | 502372-001 | Water | 333196 | 02/16/24 17:09 | 1.0 | 13 | |
| 151 | icp data | MSS | 502447-001 | Water | 333196 | 02/16/24 17:12 | 1.0 | 13 | |
| 152 | icp data | MS | QC1128742 | Water | 333196 | 02/16/24 17:15 | 1.0 | 13 | |
| 153 | icp data | MSD | QC1128743 | Water | 333196 | 02/16/24 17:18 | 1.0 | 13 | |
| 154 | icp data | SAMPLE | 502519-001 | Water | 333196 | 02/16/24 17:21 | 1.0 | 13 | |
| 155 | icp data | BLANK | QC1128899 | Wipe | 333242 | 02/16/24 17:24 | 1.0 | 13 | |
| 156 | icp data | BS | QC1128900 | Wipe | 333242 | 02/16/24 17:28 | 1.0 | 13 | |
| 157 | icp data | BSD | QC1128901 | Wipe | 333242 | 02/16/24 17:31 | 1.0 | 13 | |
| 158 | icp data | SAMPLE | 502493-001 | Wipe | 333242 | 02/16/24 17:34 | 1.0 | 13 | 1:FE=240 |
| 159 | icp data | CCV | | | | 02/16/24 17:37 | 1.0 | 9 | |
| 160 | icp data | CCB | | | | 02/16/24 17:40 | 1.0 | | |
| 161 | icp data | SAMPLE | 502493-002 | Wipe | 333242 | 02/16/24 17:43 | 1.0 | 13 | 1:FE=160 |
| 162 | icp data | SAMPLE | 502493-003 | Wipe | 333242 | 02/16/24 17:46 | 1.0 | 13 | 1:FE=160 |
| 163 | icp data | SAMPLE | 502493-004 | Wipe | 333242 | 02/16/24 17:49 | 1.0 | 13 | 2:FE=250 |
| 164 | icp data | SAMPLE | 502493-005 | Wipe | 333242 | 02/16/24 17:53 | 1.0 | 13 | 1:FE=200 |
| 165 | icp data | SAMPLE | 502493-006 | Wipe | 333242 | 02/16/24 17:56 | 1.0 | 13 | 1:FE=220 |

Enthalpy Sequence Summary for Sequence 794068193

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 166 | icp data | SAMPLE | 502493-007 | Wipe | 333242 | 02/16/24 17:59 | 1.0 | 13 | 1:FE=120 |
| 167 | icp data | SAMPLE | 502493-008 | Wipe | 333242 | 02/16/24 18:02 | 1.0 | 13 | 1:FE=67 |
| 168 | icp data | SAMPLE | 502493-009 | Wipe | 333242 | 02/16/24 18:05 | 1.0 | 13 | 1:FE=110 |
| 169 | icp data | SAMPLE | 502493-010 | Wipe | 333242 | 02/16/24 18:08 | 1.0 | 13 | 1:FE=140 |
| 170 | icp data | SAMPLE | 502493-011 | Wipe | 333242 | 02/16/24 18:11 | 1.0 | 13 | 1:FE=210 |
| 171 | icp data | CCV | | | | 02/16/24 18:14 | 1.0 | 9 | |
| 172 | icp data | CCB | | | | 02/16/24 18:18 | 1.0 | | |
| 173 | icp data | SAMPLE | 502493-012 | Wipe | 333242 | 02/16/24 18:21 | 1.0 | 13 | |
| 174 | icp data | SAMPLE | 502493-013 | Wipe | 333242 | 02/16/24 18:24 | 1.0 | 13 | |
| 175 | icp data | SAMPLE | 502493-014 | Wipe | 333242 | 02/16/24 18:27 | 1.0 | 13 | 1:FE=140 |
| 176 | icp data | SAMPLE | 502501-003 | Wipe | 333242 | 02/16/24 18:30 | 1.0 | 13 | 2:ZN=190 |
| 177 | icp data | SAMPLE | 502501-005 | Wipe | 333242 | 02/16/24 18:33 | 1.0 | 13 | 1:FE=98 |
| 178 | icp data | SAMPLE | 502501-007 | Wipe | 333242 | 02/16/24 18:36 | 1.0 | 13 | 1:ZN=82 |
| 179 | icp data | SAMPLE | 502501-009 | Wipe | 333242 | 02/16/24 18:40 | 1.0 | 13 | 1:FE=260 |
| 180 | icp data | SAMPLE | 502501-011 | Wipe | 333242 | 02/16/24 18:43 | 1.0 | 13 | 1:FE=77 |
| 181 | icp data | SAMPLE | 502501-013 | Wipe | 333242 | 02/16/24 18:46 | 1.0 | 13 | 1:FE=120 |
| 182 | icp data | SAMPLE | 502501-018 | Wipe | 333243 | 02/16/24 18:49 | 20.0 | 13 | |
| 183 | icp data | CCV | | | | 02/16/24 18:52 | 1.0 | 9 | |
| 184 | icp data | CCB | | | | 02/16/24 18:55 | 1.0 | | |

SBW 02/18/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 184.

*Standards Used:*
*1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S19950 8=S19713 9=S19980 10=S19620 11=S19643 12=S19885 13=S16862*

Enthalpy Internal Standard Summary for Sequence 794068193

Date: 02/16/24 Reference: icp data
Sequence: MET12 02/16/24 Analyzed: 02/16/24 08:33

| # | Type | Sample ID | Y A | Y R |
|---|---|---|---|---|
| | | ICALBLK STD | 258127 | 42680 |
| | | LOWER LIMIT | 77438 | 12804 |
| | | UPPER LIMIT | 516255 | 85360 |
| | | | | |
| 012 | ICB | | 255125 | 41865 |
| 014 | ICSA | | 248875 | 41776 |
| 015 | ICSAB | | 235504 | 39696 |
| 016 | BLANK | QC1128646 | 257154 | 42726 |
| 017 | LCS | QC1128647 | 246791 | 40875 |
| 018 | MSS | 502412-001 | 244450 | 40963 |
| 019 | MS | QC1128648 | 241596 | 40643 |
| 020 | MSD | QC1128649 | 239439 | 40128 |
| 021 | SAMPLE | 502412-002 | 249006 | 41341 |
| 022 | SAMPLE | 502412-003 | 256734 | 42691 |
| 023 | SAMPLE | 502412-004 | 253586 | 41791 |
| 024 | SAMPLE | 502412-005 | 241848 | 40460 |
| 025 | LCS | QC1128388 | 270450 | 43542 |
| 026 | CCV | | 260844 | 41977 |
| 027 | CCB | | 266774 | 43106 |
| 028 | SAMPLE | 502412-006 | 256003 | 42447 |
| 029 | BLANK | QC1128490 | 260773 | 42609 |
| 030 | SAMPLE | 502408-037 | 262718 | 42358 |
| 031 | SAMPLE | 502408-044 | 257902 | 41378 |
| 032 | SAMPLE | 502408-045 | 258606 | 41760 |
| 033 | SAMPLE | 502408-051 | 273437 | 43983 |
| 034 | SAMPLE | 502408-058 | 255289 | 41758 |
| 035 | BLANK | QC1128646 | 262642 | 42622 |
| 036 | BLANK | QC1128660 | 262942 | 42598 |
| 037 | LCS | QC1128661 | 252266 | 41240 |
| 038 | CCV | | 259023 | 41492 |
| 039 | CCB | | 272963 | 43764 |
| 040 | MSS | 502396-016 | 252454 | 42078 |
| 041 | MS | QC1128662 | 255191 | 42481 |
| 042 | MSD | QC1128663 | 250005 | 41035 |
| 043 | PDS | QC1128664 | 246048 | 40643 |
| 044 | SAMPLE | 502368-001 | 250007 | 41496 |
| 045 | SAMPLE | 502368-002 | 254704 | 41566 |
| 046 | SAMPLE | 502368-003 | 265361 | 43032 |
| 047 | SAMPLE | 502368-004 | 257640 | 41545 |
| 048 | SAMPLE | 502042-001 | 271350 | 43787 |
| 049 | SAMPLE | 502182-001 | 238637 | 39163 |
| 050 | CCV | | 265526 | 42364 |
| 051 | CCB | | 275169 | 43142 |
| 052 | SAMPLE | 502183-001 | 271941 | 43553 |
| 053 | SAMPLE | 502367-005 | 256895 | 41714 |
| 054 | SAMPLE | 502396-017 | 249688 | 40985 |
| 055 | SAMPLE | 502396-018 | 250648 | 41118 |
| 056 | SAMPLE | 502396-019 | 256179 | 42328 |
| 057 | SAMPLE | 502396-020 | 246784 | 40573 |
| 058 | SAMPLE | 502396-021 | 254693 | 41937 |
| 059 | SAMPLE | 502396-022 | 251749 | 40685 |
| 060 | SAMPLE | 502396-023 | 252287 | 40578 |
| 061 | SAMPLE | 502396-024 | 264568 | 41299 |
| 062 | CCV | | 277899 | 43377 |
| 063 | CCB | | 276715 | 42841 |
| 064 | SAMPLE | 502396-025 | 256430 | 41340 |
| 065 | SAMPLE | 502411-001 | 256363 | 41681 |
| 066 | SAMPLE | 502280-001 | 279806 | 43344 |

Enthalpy Internal Standard Summary for Sequence 794068193

| | | | |
|---|---|---|---|
| Date: | 02/16/24 | Reference: | icp data |
| Sequence: | MET12 02/16/24 | Analyzed: | 02/16/24 08:33 |

| # | Type | Sample ID | Y A | Y R |
|---|---|---|---|---|
| 067 | BLANK | QC1128713 | 269724 | 42691 |
| 068 | LCS | QC1128714 | 269139 | 42240 |
| 069 | SAMPLE | 502079-001 | 246583 | 40591 |
| 070 | SAMPLE | 502312-001 | 268354 | 41006 |
| 071 | SAMPLE | 502312-004 | 265449 | 42110 |
| 072 | SAMPLE | 502312-007 | 263216 | 42418 |
| 073 | CCV | | 263896 | 41750 |
| 074 | CCB | | 275488 | 42865 |
| 075 | SAMPLE | 502312-010 | 268637 | 42745 |
| 076 | SAMPLE | 502312-013 | 266034 | 42776 |
| 077 | SAMPLE | 502312-016 | 263092 | 41650 |
| 078 | SAMPLE | 502312-019 | 264296 | 42378 |
| 079 | MSS | 502411-003 | 266949 | 42562 |
| 080 | MS | QC1128715 | 262331 | 41925 |
| 081 | MSD | QC1128716 | 269131 | 43328 |
| 082 | PDS | QC1128717 | 272972 | 43935 |
| 083 | SAMPLE | 502411-004 | 276247 | 42819 |
| 084 | SAMPLE | 502368-001 | 276860 | 43526 |
| 087 | CCV | | 245786 | 39792 |
| 088 | CCB | | 260855 | 43103 |
| 089 | SAMPLE | 502411-006 | 251475 | 41923 |
| 090 | SAMPLE | 502411-005 | 246655 | 41024 |
| 091 | SAMPLE | 502183-001 | 240290 | 40137 |
| 092 | SAMPLE | 502367-005 | 239472 | 39599 |
| 093 | SAMPLE | 502396-017 | 240803 | 40249 |
| 094 | SAMPLE | 502396-018 | 235716 | 39254 |
| 095 | SAMPLE | 502396-019 | 240452 | 40089 |
| 096 | SAMPLE | 502396-019 | 251472 | 41147 |
| 097 | SAMPLE | 502396-020 | 234803 | 39479 |
| 098 | SAMPLE | 502396-021 | 239853 | 39901 |
| 099 | CCV | | 255731 | 42052 |
| 100 | CCB | | 258309 | 41511 |
| 101 | SAMPLE | 502396-022 | 240106 | 40110 |
| 102 | SAMPLE | 502396-023 | 239054 | 39978 |
| 103 | SAMPLE | 502396-024 | 247324 | 40771 |
| 104 | SAMPLE | 502396-025 | 243475 | 40507 |
| 105 | BLANK | QC1128836 | 253940 | 41774 |
| 106 | LCS | QC1128837 | 254253 | 41638 |
| 107 | MSS | 502079-001 | 233270 | 38895 |
| 108 | MS | QC1128838 | 236374 | 39706 |
| 109 | MSD | QC1128839 | 232106 | 38720 |
| 110 | BLANK | QC1128831 | 242757 | 39861 |
| 111 | CCV | | 254839 | 41461 |
| 112 | CCB | | 262702 | 42334 |
| 113 | BLANK | QC1128832 | 234523 | 39158 |
| 114 | LCS | QC1128833 | 250259 | 42524 |
| 115 | SAMPLE | 501611-001 | 234711 | 39223 |
| 116 | SAMPLE | 501613-001 | 238509 | 39240 |
| 117 | MSS | 501832-001 | 237278 | 39708 |
| 118 | MS | QC1128834 | 235736 | 39563 |
| 119 | MSD | QC1128835 | 237889 | 39379 |
| 120 | SAMPLE | 501834-001 | 241923 | 40228 |
| 121 | SAMPLE | 501973-001 | 235267 | 38712 |
| 122 | SAMPLE | 501973-002 | 245801 | 40545 |
| 123 | CCV | | 260367 | 42341 |
| 124 | CCB | | 270375 | 43495 |
| 125 | BLANK | QC1128283 | 257219 | 42329 |

Enthalpy Internal Standard Summary for Sequence 794068193

Date: 02/16/24 Reference: icp data
Sequence: MET12 02/16/24 Analyzed: 02/16/24 08:33

| # | Type | Sample ID | Y A | Y R |
|---|---|---|---|---|
| 126 | LCS | QC1128284 | 252141 | 41584 |
| 127 | MSS | 502182-002 | 231097 | 38436 |
| 128 | MS | QC1128285 | 229944 | 38827 |
| 129 | MSD | QC1128286 | 228865 | 38381 |
| 130 | SAMPLE | 502183-002 | 270326 | 41862 |
| 131 | SAMPLE | 502232-001 | 265755 | 43330 |
| 132 | BLANK | QC1128902 | 243136 | 41024 |
| 133 | BS | QC1128903 | 250472 | 41858 |
| 134 | BSD | QC1128904 | 246906 | 40712 |
| 135 | CCV | | 256474 | 42206 |
| 136 | CCB | | 263696 | 42957 |
| 137 | SAMPLE | 502501-015 | 229768 | 38686 |
| 138 | SAMPLE | 502501-016 | 239743 | 40240 |
| 139 | SAMPLE | 502501-018 | 239396 | 40163 |
| 140 | SAMPLE | 502501-019 | 228800 | 39373 |
| 141 | SAMPLE | 502501-021 | 228579 | 38694 |
| 142 | SAMPLE | 502501-023 | 229135 | 38291 |
| 143 | LCS | QC1128739 | 273056 | 42502 |
| 144 | MSS | 501958-001 | 258648 | 41865 |
| 145 | MS | QC1128740 | 255229 | 41829 |
| 146 | MSD | QC1128741 | 255291 | 41025 |
| 147 | CCV | | 255184 | 42109 |
| 148 | CCB | | 266900 | 42928 |
| 149 | SAMPLE | 502298-001 | 275768 | 44605 |
| 150 | SAMPLE | 502372-001 | 253945 | 41739 |
| 151 | MSS | 502447-001 | 263472 | 43269 |
| 152 | MS | QC1128742 | 261466 | 42304 |
| 153 | MSD | QC1128743 | 261366 | 42290 |
| 154 | SAMPLE | 502519-001 | 259858 | 41857 |
| 155 | BLANK | QC1128899 | 230844 | 38681 |
| 156 | BS | QC1128900 | 232343 | 39177 |
| 157 | BSD | QC1128901 | 233283 | 38768 |
| 158 | SAMPLE | 502493-001 | 232997 | 38894 |
| 159 | CCV | | 252144 | 41290 |
| 160 | CCB | | 263915 | 42810 |
| 161 | SAMPLE | 502493-002 | 234655 | 39188 |
| 162 | SAMPLE | 502493-003 | 236383 | 38963 |
| 163 | SAMPLE | 502493-004 | 234979 | 38781 |
| 164 | SAMPLE | 502493-005 | 233435 | 38209 |
| 165 | SAMPLE | 502493-006 | 232940 | 39623 |
| 166 | SAMPLE | 502493-007 | 236495 | 38763 |
| 167 | SAMPLE | 502493-008 | 237147 | 39171 |
| 168 | SAMPLE | 502493-009 | 237082 | 39808 |
| 169 | SAMPLE | 502493-010 | 237478 | 39381 |
| 170 | SAMPLE | 502493-011 | 233350 | 39067 |
| 171 | CCV | | 270515 | 43620 |
| 172 | CCB | | 259312 | 42315 |
| 173 | SAMPLE | 502493-012 | 250849 | 41057 |
| 174 | SAMPLE | 502493-013 | 242181 | 39921 |
| 175 | SAMPLE | 502493-014 | 239322 | 39302 |
| 176 | SAMPLE | 502501-003 | 238200 | 38666 |
| 177 | SAMPLE | 502501-005 | 245310 | 40424 |
| 178 | SAMPLE | 502501-007 | 262012 | 41634 |
| 179 | SAMPLE | 502501-009 | 239232 | 38218 |
| 180 | SAMPLE | 502501-011 | 244009 | 40066 |
| 181 | SAMPLE | 502501-013 | 241267 | 38814 |
| 182 | SAMPLE | 502501-018 | 264776 | 42281 |
| 183 | CCV | | 245855 | 38750 |

Enthalpy Internal Standard Summary for Sequence 794068193

| | | | |
|---|---|---|---|
| Date: | 02/16/24 | Reference: | icp data |
| Sequence: | MET12 02/16/24 | Analyzed: | 02/16/24 08:33 |

| # | Type | Sample ID | Y A | Y R |
|---|---|---|---|---|
| 184 | CCB | | 259512 | 40338 |

ENTHALPY INITIAL CALIBRATION FOR 502501 METALS Wipe: EPA 6010B

| | | | |
|---|---|---|---|
| Instrument: | MET12 | | |
| Calibration #: | 794068193001 | Date: | 16-FEB-2024 08:33 |
| Units: | mg/L | X Axis: | R |

| Level | File | Seqnum | Sample ID | Analyzed | Standards |
|---|---|---|---|---|---|
| L1 | icp data | 794068193002 | L1 | 16-FEB-2024 08:36 | S19988 |
| L2 | icp data | 794068193003 | L2 | 16-FEB-2024 08:39 | S19987 |
| L3 | icp data | 794068193004 | L3 | 16-FEB-2024 08:42 | S19986 |
| L4 | icp data | 794068193005 | L4 | 16-FEB-2024 08:45 | S19985 |
| L5 | icp data | 794068193006 | L5 | 16-FEB-2024 08:48 | S19984 |
| L6 | icp data | 794068193007 | L6 | 16-FEB-2024 08:51 | S19983 |

| Analyte | Ch | Type | a0 | a1 | a2 | Avg RF | $r^2$ | %RSD | n | Min $r^2$ | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | WB1K | -0.0033 | 9.50E-5 | | 12836 | 1.000 | | 7 | 0.995 | |

*Instrument amount = a0 + (response × a1) + (response² × a2)*
*WB1K: Linear regression with ICALBLK weighting factor of 1000*

| Analyte | Ch | L1 RF | L2 RF | L3 RF | L4 RF | L5 RF | L6 RF |
|---|---|---|---|---|---|---|---|
| Lead | A | 20790 | 13174 | 11193 | 10882 | 10427 | 10549 |

| Spiked Amounts / Drifts | Ch | L1 | %D | L2 | %D | L3 | %D | L4 | %D | L5 | %D | L6 | %D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0033 | -2 | 0.0100 | -8 | 0.1000 | 3 | 1.0000 | 3 | 5.0000 | -1 | 10.000 | 0 |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 502501 METALS Wipe
EPA 6010B

| | | | |
|---|---|---|---|
| Inst: | MET12 | | |
| Calnum: | 794068193001 | Cal Date: | 16-FEB-2024 |

- ICV 794068193011 (16-FEB-2024) stds: S19980

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 0.9515 | mg/L | -5 | 10 | |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193012 | File: | icp data | Time: | 16-FEB-2024 09:20 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 255125 | -1.16 |
| Yttrium | R | 42680 | 41865 | -1.91 |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193014 | File: | icp data | Time: | 16-FEB-2024 09:26 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19643

| Analyte | Ch | Quant | IQL | Units | Flags |
|---|---|---|---|---|---|
| Lead | A | 0.003440 | 0.003333 | mg/L | !a+ |

| Interferent | Ch | Spiked | Quant | Units | %Rec | Flags |
|---|---|---|---|---|---|---|
| Aluminum | A | 400.0 | 358.3 | mg/L | 90 | |
| Aluminum as Al2O3 | A | 755.8 | 677.1 | mg/L | 90 | |
| Iron | A | 160.0 | 133.2 | mg/L | 83 | |
| Iron as Fe2O3 | A | 228.8 | 190.4 | mg/L | 83 | |
| Calcium | R | 400.0 | 371.6 | mg/L | 93 | |
| Calcium as CaCO3 | R | 998.9 | 928.1 | mg/L | 93 | |
| Magnesium | R | 400.0 | 379.5 | mg/L | 95 | |
| Magnesium as MgCO3 | R | 1388 | 1316 | mg/L | 95 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 248875 | -3.58 |
| Yttrium | R | 42680 | 41776 | -2.12 |

*!=warning +=high bias a=ICSA*

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193015 | File: | icp data | Time: | 16-FEB-2024 09:29 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19885

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 1.006 | mg/L | 1 | 20 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 235504 | -8.76 |
| Yttrium | R | 42680 | 39696 | -6.99 |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193123 | File: | icp data | Time: | 16-FEB-2024 15:45 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10591 | 1.000 | 0.9818 | mg/L | -2 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 260367 | 0.87 |
| Yttrium | R | 42680 | 42341 | -0.79 |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193124 | File: | icp data | Time: | 16-FEB-2024 15:48 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 270375 | 4.74 |
| Yttrium | R | 42680 | 43495 | 1.91 |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193135 | File: | icp data | Time: | 16-FEB-2024 16:22 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10763 | 1.000 | 0.9980 | mg/L | 0 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 256474 | -0.64 |
| Yttrium | R | 42680 | 42206 | -1.11 |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193136 | File: | icp data | Time: | 16-FEB-2024 16:25 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 263696 | 2.16 |
| Yttrium | R | 42680 | 42957 | 0.65 |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193147 | File: | icp data | Time: | 16-FEB-2024 16:59 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10704 | 1.000 | 0.9925 | mg/L | -1 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 255184 | -1.14 |
| Yttrium | R | 42680 | 42109 | -1.34 |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193148 | File: | icp data | Time: | 16-FEB-2024 17:03 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 266900 | 3.40 |
| Yttrium | R | 42680 | 42928 | 0.58 |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193159 | File: | icp data | Time: | 16-FEB-2024 17:37 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10969 | 1.000 | 1.017 | mg/L | 2 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 252144 | -2.32 |
| Yttrium | R | 42680 | 41290 | -3.26 |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193160 | File: | icp data | Time: | 16-FEB-2024 17:40 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 263915 | 2.24 |
| Yttrium | R | 42680 | 42810 | 0.30 |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193171 | File: | icp data | Time: | 16-FEB-2024 18:14 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10075 | 1.000 | 0.9334 | mg/L | -7 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 270515 | 4.80 |
| Yttrium | R | 42680 | 43620 | 2.20 |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193172 | File: | icp data | Time: | 16-FEB-2024 18:18 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 259312 | 0.46 |
| Yttrium | R | 42680 | 42315 | -0.86 |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193183 | File: | icp data | Time: | 16-FEB-2024 18:52 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10767 | 1.000 | 0.9984 | mg/L | 0 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 245855 | -4.75 |
| Yttrium | R | 42680 | 38750 | -9.21 |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193184 | File: | icp data | Time: | 16-FEB-2024 18:55 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 259512 | 0.54 |
| Yttrium | R | 42680 | 40338 | -5.49 |

SAMPLE PREPARATION SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Batch #: | 333242 | Method: | 3050B | Analysis: | ICP |
| Started By: | MLL | Prep Date: | 16-FEB-2024 14:48 | Finished By: | MLL |

| Sample | Matrix | Initial | Final | Prep DF | pH | Spike S19373 | Spike S19372 | Analysis |
|---|---|---|---|---|---|---|---|---|
| 502493-001 | Wipe | 1.1104 ft2 | 50 mL | 45.03 | | | | 6010 |
| 502493-002 | Wipe | 1.1104 ft2 | 50 mL | 45.03 | | | | 6010 |
| 502493-003 | Wipe | 1.02 ft2 | 50 mL | 49.02 | | | | 6010 |
| 502493-004 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-005 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-006 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-007 | Wipe | 1.02 ft2 | 50 mL | 49.02 | | | | 6010 |
| 502493-008 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-009 | Wipe | 1.04 ft2 | 50 mL | 48.08 | | | | 6010 |
| 502493-010 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-011 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-012 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-013 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502493-014 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-003 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-005 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-007 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-009 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-011 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-013 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| QC1128899 BLANK | Wipe | 1 ft2 | 50 mL | 50.0 | | | | ICP |
| QC1128900 BS | Wipe | 1 ft2 | 50 mL | 50.0 | | .5 mL | .5 mL | ICP |
| QC1128901 BSD | Wipe | 1 ft2 | 50 mL | 50.0 | | .5 mL | .5 mL | ICP |

**Analyst:** SBW 02/19/24

**Reviewer:** KLN 02/19/24

# ICP and ICP-MS Prep Log for Soil/Misc.

Initials: ML Prep Method: 3050B / 3051 / Other: _____ QC Batch #: 333242 Therm ID/Corr Factor: 942650/ 0

Prep Start, Date/Time: 2/16/24 14:48 Prep End, Date/Time: 2/16/24 16:42 HotBlock Temp (Obs/Cor), °C: 96 / 96

HotBlock ID: 3

| Sample ID | Bottle # | Sample pH (Water Only) | Sample Appearance | Initial Weight ML 2/16/24 (g) ~~ft²~~ | Bal. ID | Final Vol (mL) | Digestion Tube Lot# | Comment |
|---|---|---|---|---|---|---|---|---|
| Blank | ----- | ----- | ----- | | | 50 | MLD0150000116 | |
| LCS | ----- | ----- | ----- | | | ↓ | ↓ | |
| LCSD | | | | | | | | |
| 502493-1 | A | | WIPE | 1.1104 | | | | |
| -2 | ↓ | | ↓ | ↓ | | | | |
| -3 | | | | 1.0200 | | | | |
| -4 | | | | 1.0000 | | | | |
| -5 | | | | ↓ | | | | |
| -6 | | | | ↓ | | | | |
| -7 | | | | 1.0200 | | | | |
| -8 | | | | 1.0000 | | | | |
| -9 | | | | 1.0400 | | | | |
| -10 | | | | 1.0000 | | | | |
| -11 | | | | | | | | |
| -12 | | | | | | | | |
| -13 | | | | | | | | |
| -14 | | | | | | | | |
| 501-3 | | | | | | | | |
| -5 | | | | | | | | |
| -7 | | | | | | | | |
| -9 | | | | | | | | |
| -11 | | | | | | | | |
| -13 | ↓ | | ↓ | ↓ | | ↓ | ↓ | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Hydrochloric Acid ID: 10ml 24003683

Nitric Acid ID: 10ml 2023090845

$H_2O_2$ ID: 3ml 227111

LCS Spike ID: 0.5ml S19372, S19373

MS/MSD Spike ID: ↓

Gold Std ID: ↓

SAMPLE PREPARATION SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Batch #: | 333243 | Method: | 3050B | Analysis: | ICP |
| Started By: | MLL | Prep Date: | 16-FEB-2024 13:20 | Finished By: | MLL |

| Sample | Matrix | Initial | Final | Prep DF | pH | Spike S19373 | Spike S19372 | Analysis |
|---|---|---|---|---|---|---|---|---|
| 502501-015 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-016 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-018 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-019 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-021 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| 502501-023 | Wipe | 1 ft2 | 50 mL | 50.0 | | | | 6010 |
| QC1128902 BLANK | Wipe | 1 ft2 | 50 mL | 50.0 | | | | ICP |
| QC1128903 BS | Wipe | 1 ft2 | 50 mL | 50.0 | | .5 mL | .5 mL | ICP |
| QC1128904 BSD | Wipe | 1 ft2 | 50 mL | 50.0 | | .5 mL | .5 mL | ICP |

**Analyst:** RPS 02/16/24

**Reviewer:** KLN 02/19/24

# ICP and ICP-MS Prep Log for Soil/Misc.

Initials: MY  Prep Method: 3050B / 3051 / Other: _____  QC Batch #: 333243  Therm ID/Corr Factor: 9426510

Prep Start, Date/Time: 2/16/24 13:20  Prep End, Date/Time: 2/16/24 15:10  HotBlock Temp (Obs/Cor), °C: 95 / 95

HotBlock ID: 3

| Sample ID | Bottle # | Sample pH (Water Only) | Sample Appearance | Initial Weight (g) | Bal. ID | Final Vol (mL) | Digestion Tube Lot# | Comment |
|---|---|---|---|---|---|---|---|---|
| Blank | ----- | ----- | ----- | | | 50 | MLD0150000116 | |
| LCS | ----- | ----- | ----- | | | ↓ | ↓ | |
| LCSD | | | | | | ↓ | | |
| ~~502493-3~~ | | | | | | | | |
| -4 | | | | | | | | |
| -5 | | | | | | | | |
| -6 | | | | | | | | |
| ~~502 501-21~~ | | | | | | | | |
| -23 | | | | | | | | |
| 502501-15 | A | | WIPE | 1.0000 | | 50 | | |
| -16 | ↓ | | ↓ | ↓ | | ↓ | ↓ | |
| -18 | | | | | | | | |
| -19 | | | | | | | | |
| -21 | | | | | | | | |
| -23 | ↓ | | ↓ | ↓ | | ↓ | ↓ | |
| | | | | | | | | |
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| | | | ML 2/16/24 | | | | | |

ML 2/16/24

Hydrochloric Acid ID: 10ml 24200368 3

Nitric Acid ID: 10ml 2023090845

$H_2O_2$ ID: 30ml 227111

LCS Spike ID: 0.5ml S19372, S19373

MS/MSD Spike ID: ↓

Gold Std ID: —



Enthalpy Analytical, Orange, Logbook # BK1337

**ICP Raw Data**

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | icp data | ICALBLK | | | | 02/16/24 08:33 | 1.0 | | |
| 002 | icp data | ICAL | L1 | | | 02/16/24 08:36 | 1.0 | 1 | |
| 003 | icp data | ICAL | L2 | | | 02/16/24 08:39 | 1.0 | 2 | |
| 004 | icp data | ICAL | L3 | | | 02/16/24 08:42 | 1.0 | 3 | |
| 005 | icp data | ICAL | L4 | | | 02/16/24 08:45 | 1.0 | 4 | |
| 006 | icp data | ICAL | L5 | | | 02/16/24 08:48 | 1.0 | 5 | |
| 007 | icp data | ICAL | L6 | | | 02/16/24 08:51 | 1.0 | 6 | |
| 008 | icp data | ICAL | L7 | | | 02/16/24 08:55 | 1.0 | 7 | |
| 009 | icp data | ICAL | L8 | | | 02/16/24 08:58 | 1.0 | 8 | |
| 010 | icp data | XICV | | | | 02/16/24 09:01 | 1.0 | 9 | |
| 011 | icp data | ICV | | | | 02/16/24 09:11 | 1.0 | 9 | |
| 012 | icp data | ICB | | | | 02/16/24 09:20 | 1.0 | | |
| 013 | icp data | CRI | | | | 02/16/24 09:23 | 1.0 | 10 | |
| 014 | icp data | ICSA | | | | 02/16/24 09:26 | 1.0 | 11 | 6:MGASMGCO3=1300 |
| 015 | icp data | ICSAB | | | | 02/16/24 09:29 | 1.0 | 12 | 6:MGASMGCO3=1400 |
| 016 | icp data | BLANK | QC1128646 | Water | 333174 | 02/16/24 09:40 | 1.0 | 13 | |
| 017 | icp data | LCS | QC1128647 | Water | 333174 | 02/16/24 09:43 | 1.0 | 13 | |
| 018 | icp data | MSS | 502412-001 | Water | 333174 | 02/16/24 09:46 | 1.0 | 13 | 1:CAASCACO3=370 |
| 019 | icp data | MS | QC1128648 | Water | 333174 | 02/16/24 09:49 | 1.0 | 13 | 1:CAASCACO3=420 |
| 020 | icp data | MSD | QC1128649 | Water | 333174 | 02/16/24 09:52 | 1.0 | 13 | 1:CAASCACO3=430 |
| 021 | icp data | SAMPLE | 502412-002 | Water | 333174 | 02/16/24 09:55 | 1.0 | 13 | 1:FE=29 |
| 022 | icp data | SAMPLE | 502412-003 | Water | 333174 | 02/16/24 09:59 | 1.0 | 13 | 1:FE=26 |
| 023 | icp data | SAMPLE | 502412-004 | Water | 333174 | 02/16/24 10:02 | 1.0 | 13 | |
| 024 | icp data | SAMPLE | 502412-005 | Water | 333174 | 02/16/24 10:05 | 1.0 | 13 | 1:FE=54 |
| 025 | icp data | LCS | QC1128388 | Water | 333098 | 02/16/24 10:08 | 1.0 | 13 | |
| 026 | icp data | CCV | | | | 02/16/24 10:11 | 1.0 | 9 | |
| 027 | icp data | CCB | | | | 02/16/24 10:20 | 1.0 | | |
| 028 | icp data | SAMPLE | 502412-006 | Water | 333174 | 02/16/24 10:23 | 1.0 | 13 | |
| 029 | icp data | BLANK | QC1128490 | Soil | 333126 | 02/16/24 10:26 | 1.0 | 13 | |
| 030 | icp data | SAMPLE | 502408-037 | Soil | 333097 | 02/16/24 10:29 | 10.0 | 13 | |
| 031 | icp data | SAMPLE | 502408-044 | Soil | 333146 | 02/16/24 10:32 | 50.0 | 13 | |
| 032 | icp data | SAMPLE | 502408-045 | Soil | 333097 | 02/16/24 10:35 | 10.0 | 13 | 2:FE=47 |
| 033 | icp data | SAMPLE | 502408-051 | Soil | 333146 | 02/16/24 10:38 | 10.0 | 13 | 2:FE=25 |
| 034 | icp data | SAMPLE | 502408-058 | Soil | 333146 | 02/16/24 10:41 | 10.0 | 13 | 1:FE=21 |
| 035 | icp data | BLANK | QC1128646 | Water | 333174 | 02/16/24 10:44 | 1.0 | 13 | |
| 036 | icp data | BLANK | QC1128660 | Soil | 333179 | 02/16/24 10:48 | 1.0 | 13 | |
| 037 | icp data | LCS | QC1128661 | Soil | 333179 | 02/16/24 10:51 | 1.0 | 13 | |
| 038 | icp data | CCV | | | | 02/16/24 10:54 | 1.0 | 9 | |
| 039 | icp data | CCB | | | | 02/16/24 10:57 | 1.0 | | |
| 040 | icp data | MSS | 502396-016 | Soil | 333179 | 02/16/24 11:00 | 1.0 | 13 | 5:CAASCACO3=960 |
| 041 | icp data | MS | QC1128662 | Soil | 333179 | 02/16/24 11:03 | 1.0 | 13 | 6:CAASCACO3=960 |
| 042 | icp data | MSD | QC1128663 | Soil | 333179 | 02/16/24 11:06 | 1.0 | 13 | 7:CAASCACO3=1000 |
| 043 | icp data | PDS | QC1128664 | Soil | 333179 | 02/16/24 11:09 | 1.0 | 13 | 7:CAASCACO3=990 |
| 044 | icp data | SAMPLE | 502368-001 | Soil | 333179 | 02/16/24 11:13 | 1.0 | 13 | 3:FE=230 |
| 045 | icp data | SAMPLE | 502368-002 | Soil | 333179 | 02/16/24 11:16 | 1.0 | 13 | 2:FE=190 |
| 046 | icp data | SAMPLE | 502368-003 | Soil | 333179 | 02/16/24 11:19 | 1.0 | 13 | 2:FE=160 |
| 047 | icp data | SAMPLE | 502368-004 | Soil | 333179 | 02/16/24 11:22 | 1.0 | 13 | 2:FE=210 |
| 048 | icp data | SAMPLE | 502042-001 | Soil | 333179 | 02/16/24 11:25 | 1.0 | 13 | 2:FE=99 |
| 049 | icp data | SAMPLE | 502182-001 | Soil | 333179 | 02/16/24 11:28 | 1.0 | 13 | 2:FE=97 |
| 050 | icp data | CCV | | | | 02/16/24 11:31 | 1.0 | 9 | |
| 051 | icp data | CCB | | | | 02/16/24 11:34 | 1.0 | | |
| 052 | icp data | SAMPLE | 502183-001 | Soil | 333179 | 02/16/24 11:38 | 1.0 | 13 | 2:FE=170 |
| 053 | icp data | SAMPLE | 502367-005 | Soil | 333179 | 02/16/24 11:41 | 1.0 | 13 | 2:FE=160 |
| 054 | icp data | SAMPLE | 502396-017 | Soil | 333179 | 02/16/24 11:44 | 1.0 | 13 | 2:FE=130 |
| 055 | icp data | SAMPLE | 502396-018 | Soil | 333179 | 02/16/24 11:47 | 1.0 | 13 | 2:FE=120 |

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 056 | icp data | SAMPLE | 502396-019 | Soil | 333179 | 02/16/24 11:50 | 1.0 | 13 | 3:FE=140 |
| 057 | icp data | SAMPLE | 502396-020 | Soil | 333179 | 02/16/24 11:53 | 1.0 | 13 | 2:FE=130 |
| 058 | icp data | SAMPLE | 502396-021 | Soil | 333179 | 02/16/24 11:56 | 1.0 | 13 | 3:FE=160 |
| 059 | icp data | SAMPLE | 502396-022 | Soil | 333179 | 02/16/24 11:59 | 1.0 | 13 | 2:FE=160 |
| 060 | icp data | SAMPLE | 502396-023 | Soil | 333179 | 02/16/24 12:03 | 1.0 | 13 | 2:FE=160 |
| 061 | icp data | SAMPLE | 502396-024 | Soil | 333179 | 02/16/24 12:06 | 1.0 | 13 | 2:FE=150 |
| 062 | icp data | CCV | | | | 02/16/24 12:09 | 1.0 | 9 | |
| 063 | icp data | CCB | | | | 02/16/24 12:12 | 1.0 | | |
| 064 | icp data | SAMPLE | 502396-025 | Soil | 333179 | 02/16/24 12:15 | 1.0 | 13 | 2:FE=130 |
| 065 | icp data | SAMPLE | 502411-001 | Soil | 333179 | 02/16/24 12:18 | 1.0 | 13 | 2:FE=140 |
| 066 | icp data | SAMPLE | 502280-001 | Miscell. | 333124 | 02/16/24 12:27 | 2.0 | 13 | |
| 067 | icp data | BLANK | QC1128713 | Soil | 333191 | 02/16/24 12:30 | 1.0 | 13 | |
| 068 | icp data | LCS | QC1128714 | Soil | 333191 | 02/16/24 12:33 | 1.0 | 13 | |
| 069 | icp data | SAMPLE | 502079-001 | Soil | 333191 | 02/16/24 12:36 | 1.0 | 13 | 3:CA=2300 |
| 070 | icp data | SAMPLE | 502312-001 | Soil | 333191 | 02/16/24 12:39 | 1.0 | 13 | 2:FE=97 |
| 071 | icp data | SAMPLE | 502312-004 | Soil | 333191 | 02/16/24 12:42 | 1.0 | 13 | 2:FE=140 |
| 072 | icp data | SAMPLE | 502312-007 | Soil | 333191 | 02/16/24 12:46 | 1.0 | 13 | 2:FE=150 |
| 073 | icp data | CCV | | | | 02/16/24 12:49 | 1.0 | 9 | |
| 074 | icp data | CCB | | | | 02/16/24 12:52 | 1.0 | | |
| 075 | icp data | SAMPLE | 502312-010 | Soil | 333191 | 02/16/24 12:55 | 1.0 | 13 | 2:FE=130 |
| 076 | icp data | SAMPLE | 502312-013 | Soil | 333191 | 02/16/24 12:58 | 1.0 | 13 | 2:FE=220 |
| 077 | icp data | SAMPLE | 502312-016 | Soil | 333191 | 02/16/24 13:01 | 1.0 | 13 | 2:FE=160 |
| 078 | icp data | SAMPLE | 502312-019 | Soil | 333191 | 02/16/24 13:04 | 1.0 | 13 | 2:AL=130 |
| 079 | icp data | MSS | 502411-003 | Soil | 333191 | 02/16/24 13:07 | 1.0 | 13 | 4:FEASFE2O3=200 |
| 080 | icp data | MS | QC1128715 | Soil | 333191 | 02/16/24 13:11 | 1.0 | 13 | 4:ALASAL2O3=230 |
| 081 | icp data | MSD | QC1128716 | Soil | 333191 | 02/16/24 13:14 | 1.0 | 13 | 4:ALASAL2O3=230 |
| 082 | icp data | PDS | QC1128717 | Soil | 333191 | 02/16/24 13:17 | 1.0 | 13 | 4:FEASFE2O3=190 |
| 083 | icp data | SAMPLE | 502411-004 | Soil | 333191 | 02/16/24 13:20 | 1.0 | 13 | 2:FE=130 |
| 084 | icp data | SAMPLE | 502368-001 | Soil | 333179 | 02/16/24 13:23 | 5.0 | 13 | 2:FE=55 |
| 085 | icp data | XCCV | | | | 02/16/24 13:26 | 1.0 | 9 | |
| 086 | icp data | XCCV | | | | 02/16/24 13:31 | 1.0 | 9 | |
| 087 | icp data | CCV | | | | 02/16/24 13:52 | 1.0 | 9 | |
| 088 | icp data | CCB | | | | 02/16/24 13:55 | 1.0 | | |
| 089 | icp data | SAMPLE | 502411-006 | Soil | 333191 | 02/16/24 13:58 | 1.0 | 13 | 2:FE=150 |
| 090 | icp data | SAMPLE | 502411-005 | Soil | 333191 | 02/16/24 14:02 | 1.0 | 13 | 2:FE=150 |
| 091 | icp data | SAMPLE | 502183-001 | Soil | 333179 | 02/16/24 14:05 | 1.0 | 13 | 2:FE=190 |
| 092 | icp data | SAMPLE | 502367-005 | Soil | 333179 | 02/16/24 14:08 | 1.0 | 13 | 2:FE=170 |
| 093 | icp data | SAMPLE | 502396-017 | Soil | 333179 | 02/16/24 14:11 | 1.0 | 13 | 2:FE=130 |
| 094 | icp data | SAMPLE | 502396-018 | Soil | 333179 | 02/16/24 14:14 | 1.0 | 13 | 2:FE=130 |
| 095 | icp data | SAMPLE | 502396-019 | Soil | 333179 | 02/16/24 14:17 | 1.0 | 13 | 3:FE=140 |
| 096 | icp data | SAMPLE | 502396-019 | Soil | 333179 | 02/16/24 14:20 | 5.0 | 13 | 2:FE=32 |
| 097 | icp data | SAMPLE | 502396-020 | Soil | 333179 | 02/16/24 14:23 | 1.0 | 13 | 2:FE=130 |
| 098 | icp data | SAMPLE | 502396-021 | Soil | 333179 | 02/16/24 14:27 | 1.0 | 13 | 3:FE=170 |
| 099 | icp data | CCV | | | | 02/16/24 14:30 | 1.0 | 9 | |
| 100 | icp data | CCB | | | | 02/16/24 14:33 | 1.0 | | |
| 101 | icp data | SAMPLE | 502396-022 | Soil | 333179 | 02/16/24 14:36 | 1.0 | 13 | 2:FE=160 |
| 102 | icp data | SAMPLE | 502396-023 | Soil | 333179 | 02/16/24 14:39 | 1.0 | 13 | 2:FE=160 |
| 103 | icp data | SAMPLE | 502396-024 | Soil | 333179 | 02/16/24 14:42 | 1.0 | 13 | 2:FE=160 |
| 104 | icp data | SAMPLE | 502396-025 | Soil | 333179 | 02/16/24 14:45 | 1.0 | 13 | 2:FE=130 |
| 105 | icp data | BLANK | QC1128836 | TCLP Leachate | 333221 | 02/16/24 14:48 | 1.0 | 13 | |
| 106 | icp data | LCS | QC1128837 | TCLP Leachate | 333221 | 02/16/24 14:52 | 1.0 | 13 | |
| 107 | icp data | MSS | 502079-001 | TCLP Leachate | 333221 | 02/16/24 14:55 | 1.0 | 13 | 2:CAASCACO3=2500 |
| 108 | icp data | MS | QC1128838 | TCLP Leachate | 333221 | 02/16/24 14:58 | 1.0 | 13 | 2:CAASCACO3=2300 |
| 109 | icp data | MSD | QC1128839 | TCLP Leachate | 333221 | 02/16/24 15:01 | 1.0 | 13 | 2:CAASCACO3=2400 |
| 110 | icp data | BLANK | QC1128831 | TCLP Leachate | 333220 | 02/16/24 15:04 | 1.0 | 13 | |

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 111 | icp data | CCV | | | | 02/16/24 15:07 | 1.0 | 9 | |
| 112 | icp data | CCB | | | | 02/16/24 15:10 | 1.0 | | |
| 113 | icp data | BLANK | QC1128832 | TCLP Leachate | 333220 | 02/16/24 15:13 | 1.0 | 13 | |
| 114 | icp data | LCS | QC1128833 | TCLP Leachate | 333220 | 02/16/24 15:16 | 1.0 | 13 | |
| 115 | icp data | SAMPLE | 501611-001 | TCLP Leachate | 333220 | 02/16/24 15:20 | 1.0 | 13 | |
| 116 | icp data | SAMPLE | 501613-001 | TCLP Leachate | 333220 | 02/16/24 15:23 | 1.0 | 13 | |
| 117 | icp data | MSS | 501832-001 | TCLP Leachate | 333220 | 02/16/24 15:26 | 1.0 | 13 | 1:ZN=37 |
| 118 | icp data | MS | QC1128834 | TCLP Leachate | 333220 | 02/16/24 15:29 | 1.0 | 13 | 1:ZN=38 |
| 119 | icp data | MSD | QC1128835 | TCLP Leachate | 333220 | 02/16/24 15:32 | 1.0 | 13 | 1:ZN=38 |
| 120 | icp data | SAMPLE | 501834-001 | TCLP Leachate | 333220 | 02/16/24 15:35 | 1.0 | 13 | 2:AL=64 |
| 121 | icp data | SAMPLE | 501973-001 | TCLP Leachate | 333220 | 02/16/24 15:38 | 1.0 | 13 | |
| 122 | icp data | SAMPLE | 501973-002 | TCLP Leachate | 333220 | 02/16/24 15:41 | 1.0 | 13 | |
| 123 | icp data | CCV | | | | 02/16/24 15:45 | 1.0 | 9 | |
| 124 | icp data | CCB | | | | 02/16/24 15:48 | 1.0 | | |
| 125 | icp data | BLANK | QC1128283 | Water | 333057 | 02/16/24 15:51 | 1.0 | 13 | |
| 126 | icp data | LCS | QC1128284 | Water | 333057 | 02/16/24 15:54 | 1.0 | 13 | |
| 127 | icp data | MSS | 502182-002 | Water | 333057 | 02/16/24 15:57 | 1.0 | 13 | |
| 128 | icp data | MS | QC1128285 | Water | 333057 | 02/16/24 16:00 | 1.0 | 13 | |
| 129 | icp data | MSD | QC1128286 | Water | 333057 | 02/16/24 16:03 | 1.0 | 13 | |
| 130 | icp data | SAMPLE | 502183-002 | Water | 333057 | 02/16/24 16:06 | 10.0 | 13 | |
| 131 | icp data | SAMPLE | 502232-001 | Water | 333057 | 02/16/24 16:10 | 10.0 | 13 | |
| 132 | icp data | BLANK | QC1128902 | Wipe | 333243 | 02/16/24 16:13 | 1.0 | 13 | |
| 133 | icp data | BS | QC1128903 | Wipe | 333243 | 02/16/24 16:16 | 1.0 | 13 | |
| 134 | icp data | BSD | QC1128904 | Wipe | 333243 | 02/16/24 16:19 | 1.0 | 13 | |
| 135 | icp data | CCV | | | | 02/16/24 16:22 | 1.0 | 9 | |
| 136 | icp data | CCB | | | | 02/16/24 16:25 | 1.0 | | |
| 137 | icp data | SAMPLE | 502501-015 | Wipe | 333243 | 02/16/24 16:28 | 1.0 | 13 | 1:FE=150 |
| 138 | icp data | SAMPLE | 502501-016 | Wipe | 333243 | 02/16/24 16:31 | 1.0 | 13 | 1:FE=100 |
| 139 | icp data | SAMPLE | 502501-018 | Wipe | 333243 | 02/16/24 16:34 | 1.0 | 13 | 3:FE=150 |
| 140 | icp data | SAMPLE | 502501-019 | Wipe | 333243 | 02/16/24 16:38 | 1.0 | 13 | 1:FE=170 |
| 141 | icp data | SAMPLE | 502501-021 | Wipe | 333243 | 02/16/24 16:41 | 1.0 | 13 | 1:FE=110 |
| 142 | icp data | SAMPLE | 502501-023 | Wipe | 333243 | 02/16/24 16:44 | 1.0 | 13 | 2:FE=130 |
| 143 | icp data | LCS | QC1128739 | Water | 333196 | 02/16/24 16:47 | 1.0 | 13 | |
| 144 | icp data | MSS | 501958-001 | Water | 333196 | 02/16/24 16:50 | 1.0 | 13 | |
| 145 | icp data | MS | QC1128740 | Water | 333196 | 02/16/24 16:53 | 1.0 | 13 | |
| 146 | icp data | MSD | QC1128741 | Water | 333196 | 02/16/24 16:56 | 1.0 | 13 | |
| 147 | icp data | CCV | | | | 02/16/24 16:59 | 1.0 | 9 | |
| 148 | icp data | CCB | | | | 02/16/24 17:03 | 1.0 | | |
| 149 | icp data | SAMPLE | 502298-001 | Water | 333196 | 02/16/24 17:06 | 1.0 | 13 | |
| 150 | icp data | SAMPLE | 502372-001 | Water | 333196 | 02/16/24 17:09 | 1.0 | 13 | |
| 151 | icp data | MSS | 502447-001 | Water | 333196 | 02/16/24 17:12 | 1.0 | 13 | |
| 152 | icp data | MS | QC1128742 | Water | 333196 | 02/16/24 17:15 | 1.0 | 13 | |
| 153 | icp data | MSD | QC1128743 | Water | 333196 | 02/16/24 17:18 | 1.0 | 13 | |
| 154 | icp data | SAMPLE | 502519-001 | Water | 333196 | 02/16/24 17:21 | 1.0 | 13 | |
| 155 | icp data | BLANK | QC1128899 | Wipe | 333242 | 02/16/24 17:24 | 1.0 | 13 | |
| 156 | icp data | BS | QC1128900 | Wipe | 333242 | 02/16/24 17:28 | 1.0 | 13 | |
| 157 | icp data | BSD | QC1128901 | Wipe | 333242 | 02/16/24 17:31 | 1.0 | 13 | |
| 158 | icp data | SAMPLE | 502493-001 | Wipe | 333242 | 02/16/24 17:34 | 1.0 | 13 | 1:FE=240 |
| 159 | icp data | CCV | | | | 02/16/24 17:37 | 1.0 | 9 | |
| 160 | icp data | CCB | | | | 02/16/24 17:40 | 1.0 | | |
| 161 | icp data | SAMPLE | 502493-002 | Wipe | 333242 | 02/16/24 17:43 | 1.0 | 13 | 1:FE=160 |
| 162 | icp data | SAMPLE | 502493-003 | Wipe | 333242 | 02/16/24 17:46 | 1.0 | 13 | 1:FE=160 |
| 163 | icp data | SAMPLE | 502493-004 | Wipe | 333242 | 02/16/24 17:49 | 1.0 | 13 | 2:FE=250 |
| 164 | icp data | SAMPLE | 502493-005 | Wipe | 333242 | 02/16/24 17:53 | 1.0 | 13 | 1:FE=200 |
| 165 | icp data | SAMPLE | 502493-006 | Wipe | 333242 | 02/16/24 17:56 | 1.0 | 13 | 1:FE=220 |

Enthalpy Sequence Summary for Sequence 794068193

Instrument: MET12 Begun: 02/16/24 08:33
Method: EPA 6010B

| # | File | Type | Sample ID | Matrix | Batch | Analyzed | IDF | Stds Used | |
|---|---|---|---|---|---|---|---|---|---|
| 166 | icp data | SAMPLE | 502493-007 | Wipe | 333242 | 02/16/24 17:59 | 1.0 | 13 | 1:FE=120 |
| 167 | icp data | SAMPLE | 502493-008 | Wipe | 333242 | 02/16/24 18:02 | 1.0 | 13 | 1:FE=67 |
| 168 | icp data | SAMPLE | 502493-009 | Wipe | 333242 | 02/16/24 18:05 | 1.0 | 13 | 1:FE=110 |
| 169 | icp data | SAMPLE | 502493-010 | Wipe | 333242 | 02/16/24 18:08 | 1.0 | 13 | 1:FE=140 |
| 170 | icp data | SAMPLE | 502493-011 | Wipe | 333242 | 02/16/24 18:11 | 1.0 | 13 | 1:FE=210 |
| 171 | icp data | CCV | | | | 02/16/24 18:14 | 1.0 | 9 | |
| 172 | icp data | CCB | | | | 02/16/24 18:18 | 1.0 | | |
| 173 | icp data | SAMPLE | 502493-012 | Wipe | 333242 | 02/16/24 18:21 | 1.0 | 13 | |
| 174 | icp data | SAMPLE | 502493-013 | Wipe | 333242 | 02/16/24 18:24 | 1.0 | 13 | |
| 175 | icp data | SAMPLE | 502493-014 | Wipe | 333242 | 02/16/24 18:27 | 1.0 | 13 | 1:FE=140 |
| 176 | icp data | SAMPLE | 502501-003 | Wipe | 333242 | 02/16/24 18:30 | 1.0 | 13 | 2:ZN=190 |
| 177 | icp data | SAMPLE | 502501-005 | Wipe | 333242 | 02/16/24 18:33 | 1.0 | 13 | 1:FE=98 |
| 178 | icp data | SAMPLE | 502501-007 | Wipe | 333242 | 02/16/24 18:36 | 1.0 | 13 | 1:ZN=82 |
| 179 | icp data | SAMPLE | 502501-009 | Wipe | 333242 | 02/16/24 18:40 | 1.0 | 13 | 1:FE=260 |
| 180 | icp data | SAMPLE | 502501-011 | Wipe | 333242 | 02/16/24 18:43 | 1.0 | 13 | 1:FE=77 |
| 181 | icp data | SAMPLE | 502501-013 | Wipe | 333242 | 02/16/24 18:46 | 1.0 | 13 | 1:FE=120 |
| 182 | icp data | SAMPLE | 502501-018 | Wipe | 333243 | 02/16/24 18:49 | 20.0 | 13 | |
| 183 | icp data | CCV | | | | 02/16/24 18:52 | 1.0 | 9 | |
| 184 | icp data | CCB | | | | 02/16/24 18:55 | 1.0 | | |

SBW 02/18/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 184.

*Standards Used:*
*1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S19950 8=S19713 9=S19980 10=S19620 11=S19643 12=S19885 13=S16862*

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-003 | Client ID: | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA |
| Seqnum: | 794068193176 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333242 | Time: | 16-FEB-2024 18:30 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 6.029 | 300 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 238200 | -7.72 |

*u=use*

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | 502501-003,333242 | **Rack:Tube:** | 3:14 | **Type:** | Sample |
| **Date Time:** | 2/16/2024 6:30:38 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 Coef |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 0.00021116 | 0.00021116 | mg/L | 35.94337699 | 0.00008530 | 40.39791721 | 4.91781058 | 13.68 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065 |
| Al 396.152 | Al | n | 3.38495629 | 3.38495629 | mg/L | 166592.67956162 | 0.01087008 | 0.32112909 | 533.46226829 | 0.32 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206 |
| As 188.980 | As | n | 0.07410410 | 0.07410410 | mg/L | 372.39253063 | 0.00116106 | 1.56679202 | 5.91696785 | 1.59 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904 |
| B 249.678 | B | n | 0.02146326 | 0.02146326 | mg/L | 644.38342287 | 0.00057869 | 2.69620197 | 22.63811955 | 3.51 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404 |
| Ba 230.424 | Ba | n | 0.02761834 | 0.02761834 | mg/L | 3755.85918677 | 0.00009156 | 0.33150576 | 12.32646864 | 0.33 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53 |
| Be 313.107 | Be | n | 0.00001951 | 0.00001951 | mg/L | 10.97130736 | 0.00000108 | 5.52023738 | 1.48091047 | 13.50 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5 |
| Ca 317.933 | Ca-R | n | 16.48520644 | 16.48520644 | mg/L | 124004.15486306 | 0.16729578 | 1.01482366 | 1248.25074152 | 1.01 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404 |
| Cd 214.439 | Cd | n | 0.00019879 | 0.00019879 | mg/L | 705.98609572 | 0.00001028 | 5.17092912 | 2.23597675 | 0.32 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31 |
| Co 230.786 | Co | n | 0.01789719 | 0.01789719 | mg/L | 1007.50739164 | 0.00019074 | 1.06574426 | 9.91828488 | 0.98 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438 |
| Cr 267.716 | Cr | n | 0.06139837 | 0.06139837 | mg/L | 3239.86446011 | 0.00029749 | 0.48452524 | 15.85007808 | 0.49 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259 |
| Cu 324.754 | Cu | n | 0.78337500 | 0.78337500 | mg/L | 43336.07198251 | 0.00103056 | 0.13155330 | 55.58634598 | 0.13 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228 |
| Fe 259.940 | Fe | no | 120.26194476 | 120.26194476 | mg/L | 5182802.39147064 | 0.94183861 | 0.78315598 | 40589.25992803 | 0.78 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769 |
| K 766.491 | K-R | n | 3.90474233 | 3.90474233 | mg/L | 2527.02554560 | 0.04850612 | 1.24223614 | 33.28388500 | 1.32 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908 |
| Li 670.783 | Li-R | n | 0.00331393 | 0.00331393 | mg/L | 117.35829047 | 0.00093359 | 28.17168292 | 50.00999963 | 42.61 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369 |
| Mg 279.800 | Mg-R | n | 4.27470757 | 4.27470757 | mg/L | 2754.80067582 | 0.05064636 | 1.18479129 | 32.40768641 | 1.18 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180 |
| Mn 257.610 | Mn | n | 0.88617802 | 0.88617802 | mg/L | 320443.44214368 | 0.00268117 | 0.30255452 | 968.27168653 | 0.30 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52 |
| Mo 204.598 | Mo | n | 0.00589302 | 0.00589302 | mg/L | 90.96235213 | 0.00083646 | 14.19404677 | 12.68701558 | 13.95 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542 |
| Na 589.592 | Na-R | n | 2.56768200 | 2.56768200 | mg/L | 12398.70620641 | 0.03091414 | 1.20397089 | 149.71845582 | 1.21 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406 |
| Ni 231.604 | Ni | n | 0.23883883 | 0.23883883 | mg/L | 5177.72441696 | 0.00076867 | 0.32183756 | 16.60206543 | 0.32 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343 |
| P 177.434 | P | n | 1.15640487 | 1.15640487 | mg/L | 194.17617886 | 0.02378638 | 2.05692521 | 3.99006916 | 2.05 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593 |
| Pb 220.353 | Pb | n | 6.02927397 | 6.02927397 | mg/L | 64445.84524046 | 0.02333067 | 0.38695661 | 248.83936951 | 0.39 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759 |
| S 181.972 | S | n | 4.31455597 | 4.31455597 | mg/L | 6058.72625874 | 0.05413880 | 1.25479419 | 74.07239012 | 1.22 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942 |
| Sb 206.834 | Sb | n | 0.00359432 | 0.00359432 | mg/L | 17.26934253 | 0.00217123 | 60.40718467 | 8.80359294 | 50.98 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641 |
| Se 196.026 | Se | n | 0.01234390 | 0.01234390 | mg/L | 46.43177616 | 0.00121690 | 9.85832525 | 5.13965708 | 11.07 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595 |
| Si 251.611 | Si | n | 6.28249764 | 6.28249764 | mg/L | 29108.34891136 | 0.05935921 | 0.94483450 | 274.67770591 | 0.94 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817 |
| Sn 189.925 | Sn | n | 0.11047770 | 0.11047770 | mg/L | 1324.39403873 | 0.00064639 | 0.58508493 | 7.59102327 | 0.57 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749 |
| Sr 421.552 | Sr-R | n | 0.02457693 | 0.02457693 | mg/L | 6307.59214976 | 0.00032448 | 1.32027689 | 82.12058724 | 1.30 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94 |
| Ti 334.941 | Ti | n | 0.22425884 | 0.22425884 | mg/L | 58422.74432147 | 0.00736639 | 3.28477090 | 1918.51639274 | 3.28 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90 |
| Tl 190.794 | Tl | nu | -0.00093122 | -0.00093122 | mg/L | -0.14718834 | 0.00011430 | 12.27459704 | 0.58695901 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647 |
| V 292.401 | V | n | 0.01475387 | 0.01475387 | mg/L | 247.95780993 | 0.00026782 | 1.81525799 | 9.75110861 | 3.93 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080 |
| Zn 206.200 | Zn | no | 194.94560170 | 194.94560170 | mg/L | 7576165.39978046 | 0.33904157 | 0.17391599 | 13173.87246238 | 0.17 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215 |
| Y 371.029 | Y | | 0.92 | 0.92 | Ratio | 238200.14 | 0.02 | 1.88 | 4475.43 | 1.88 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.91 | 0.91 | Ratio | 38665.67 | 0.01 | 1.13 | 435.86 | 1.13 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-005 | Client ID: | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA |
| Seqnum: | 794068193177 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333242 | Time: | 16-FEB-2024 18:33 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 3.750 | 190 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 245310 | -4.97 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-005,333242 | Rack:Tube: | 3:15 | Type: | Sample |
| Date Time: | 2/16/2024 6:33:46 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficie |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | -0.00016104 | -0.00016104 | mg/L | 15.89058754 | 0.00004244 | 26.35279804 | 2.44660433 | 15.40 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.06555 |
| Al 396.152 | Al | n | 3.16143053 | 3.16143053 | mg/L | 155526.76208285 | 0.00794413 | 0.25128266 | 389.86760621 | 0.25 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.20686 |
| As 188.980 | As | n | 0.04740550 | 0.04740550 | mg/L | 236.94087260 | 0.00155994 | 3.29063362 | 7.94975753 | 3.36 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190416 |
| B 249.678 | B | n | 0.02294153 | 0.02294153 | mg/L | 752.05255337 | 0.00004703 | 0.20498565 | 1.83966182 | 0.24 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.40413 |
| Ba 230.424 | Ba | n | 0.03098452 | 0.03098452 | mg/L | 4208.30304775 | 0.00018279 | 0.58993125 | 24.60912509 | 0.58 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.5329 |
| Be 313.107 | Be | n | 0.00002398 | 0.00002398 | mg/L | 17.04581368 | 0.00000383 | 15.98868684 | 5.27205573 | 30.93 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.540 |
| Ca 317.933 | Ca-R | n | 12.19186180 | 12.19186180 | mg/L | 91956.96509201 | 0.09432394 | 0.77366312 | 703.78302023 | 0.77 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340479 |
| Cd 214.439 | Cd | nu | -0.00011297 | -0.00011297 | mg/L | 493.84357336 | 0.00004870 | 43.10469899 | 10.59236228 | 2.14 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.3140 |
| Co 230.786 | Co | n | 0.01465443 | 0.01465443 | mg/L | 825.67827010 | 0.00011456 | 0.78174462 | 5.95706510 | 0.72 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.43848 |
| Cr 267.716 | Cr | n | 0.04841692 | 0.04841692 | mg/L | 2546.48896158 | 0.00137607 | 2.84213629 | 73.31624790 | 2.88 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.25999 |
| Cu 324.754 | Cu | n | 0.60724525 | 0.60724525 | mg/L | 33879.73669360 | 0.00376950 | 0.62075335 | 203.31989669 | 0.60 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.22835 |
| Fe 259.940 | Fe | no | 97.58809485 | 97.58809485 | mg/L | 4205654.61082128 | 0.52078012 | 0.53365128 | 22443.41995919 | 0.53 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.76966 |
| K 766.491 | K-R | n | 3.97301521 | 3.97301521 | mg/L | 2569.21094351 | 0.06819808 | 1.71653215 | 46.79609816 | 1.82 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.1790805 |
| Li 670.783 | Li-R | n | 0.00330244 | 0.00330244 | mg/L | 115.44983541 | 0.00061585 | 18.64829325 | 32.98944043 | 28.57 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.36957 |
| Mg 279.800 | Mg-R | n | 4.57502761 | 4.57502761 | mg/L | 2941.69726620 | 0.03582711 | 0.78310147 | 22.92511503 | 0.78 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.8818086 |
| Mn 257.610 | Mn | n | 0.67716917 | 0.67716917 | mg/L | 244886.36262765 | 0.00379859 | 0.56095087 | 1371.81207180 | 0.56 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.5244 |
| Mo 204.598 | Mo | n | 0.00371462 | 0.00371462 | mg/L | 57.38952700 | 0.00059875 | 16.11869315 | 9.08154637 | 15.82 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.54262 |
| Na 589.592 | Na-R | n | 2.82734382 | 2.82734382 | mg/L | 13652.64944656 | 0.02267572 | 0.80201507 | 109.81945099 | 0.80 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669 |
| Ni 231.604 | Ni | n | 0.14430770 | 0.14430770 | mg/L | 3130.18025756 | 0.00092358 | 0.64000752 | 19.94780147 | 0.64 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.34372 |
| P 177.434 | P | n | 1.40023529 | 1.40023529 | mg/L | 235.42601094 | 0.01491646 | 1.06528246 | 2.50217573 | 1.06 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.7459375 |
| Pb 220.353 | Pb | n | 3.74955813 | 3.74955813 | mg/L | 40125.61060362 | 0.01489206 | 0.39716838 | 158.83512970 | 0.40 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.75985 |
| S 181.972 | S | n | 4.18346639 | 4.18346639 | mg/L | 5878.42658037 | 0.00906178 | 0.21660934 | 12.39827360 | 0.21 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194217 |
| Sb 206.834 | Sb | n | 0.00793099 | 0.00793099 | mg/L | 29.52908269 | 0.00104747 | 13.20726964 | 4.24712662 | 14.38 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664171 |
| Se 196.026 | Se | n | 0.00929076 | 0.00929076 | mg/L | 39.67747773 | 0.00190499 | 20.50409456 | 8.04582505 | 20.28 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559568 |
| Si 251.611 | Si | n | 5.74917588 | 5.74917588 | mg/L | 26638.38070861 | 0.03305538 | 0.57495865 | 152.95988192 | 0.57 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381791 |
| Sn 189.925 | Sn | n | 0.09079598 | 0.09079598 | mg/L | 1092.67966807 | 0.00086535 | 0.95307135 | 10.16245896 | 0.93 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.74969 |
| Sr 421.552 | Sr-R | n | 0.02079486 | 0.02079486 | mg/L | 5337.84847783 | 0.00019989 | 0.96122693 | 50.58729447 | 0.95 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.9488 |
| Ti 334.941 | Ti | n | 0.20890930 | 0.20890930 | mg/L | 54427.19231946 | 0.01027142 | 4.91668931 | 2675.10852242 | 4.92 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.9047 |
| Tl 190.794 | Tl | nu | -0.00066971 | -0.00066971 | mg/L | 0.95515881 | 0.00044682 | 66.71869786 | 2.29445944 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064745 |
| V 292.401 | V | n | 0.01152730 | 0.01152730 | mg/L | 193.76542337 | 0.00010678 | 0.92631554 | 3.88773253 | 2.01 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.08023 |
| Zn 206.200 | Zn | n | 13.60089663 | 13.60089663 | mg/L | 529509.50689679 | 0.07222002 | 0.53099452 | 2806.19650492 | 0.53 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.21594 |
| Y 371.029 | Y | | 0.95 | 0.95 | Ratio | 245310.12 | 0.01 | 0.57 | 1405.74 | 0.57 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.95 | 0.95 | Ratio | 40424.06 | 0.01 | 1.12 | 451.51 | 1.12 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-007 | Client ID: | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA |
| Seqnum: | 794068193178 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333242 | Time: | 16-FEB-2024 18:36 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 2.081 | 100 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 262012 | 1.50 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-007,333242 | Rack:Tube: | 3:16 | Type: | Sample |
| Date Time: | 2/16/2024 6:36:54 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | -0.00017443 | -0.00017443 | mg/L | 20.28589011 | 0.00004377 | 25.09209334 | 2.52320598 | 12.44 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.0655553 |
| Al 396.152 | Al | n | 0.79999875 | 0.79999875 | mg/L | 39388.21629685 | 0.02392442 | 2.99055766 | 1174.11997807 | 2.98 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638 |
| As 188.980 | As | n | 0.01970119 | 0.01970119 | mg/L | 97.67330489 | 0.00218139 | 11.07238030 | 11.11678217 | 11.38 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190416859 |
| B 249.678 | B | n | 0.01780981 | 0.01780981 | mg/L | 706.22377855 | 0.00044338 | 2.48950851 | 17.34463230 | 2.46 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378 |
| Ba 230.424 | Ba | n | 0.01578973 | 0.01578973 | mg/L | 2159.60925087 | 0.00045658 | 2.89164362 | 61.47088243 | 2.85 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949 |
| Be 313.107 | Be | n | 0.00002359 | 0.00002359 | mg/L | 16.30233679 | 0.00000208 | 8.82605228 | 2.86310829 | 17.56 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.54021 |
| Ca 317.933 | Ca-R | n | 12.33174042 | 12.33174042 | mg/L | 92957.94780009 | 0.09033035 | 0.73250286 | 673.98550661 | 0.73 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340479683 |
| Cd 214.439 | Cd | n | 0.00033132 | 0.00033132 | mg/L | 133.96301410 | 0.00004077 | 12.30436587 | 8.86749088 | 6.62 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045 |
| Co 230.786 | Co | n | 0.00113765 | 0.00113765 | mg/L | 81.03820774 | 0.00027191 | 23.90106363 | 14.13920669 | 17.45 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874 |
| Cr 267.716 | Cr | n | 0.00996179 | 0.00996179 | mg/L | 493.32736914 | 0.00078715 | 7.90171323 | 41.93886855 | 8.50 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927 |
| Cu 324.754 | Cu | n | 0.04127449 | 0.04127449 | mg/L | 3490.45981609 | 0.00172590 | 4.18151303 | 93.09189930 | 2.67 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532 |
| Fe 259.940 | Fe | n | 7.23555387 | 7.23555387 | mg/L | 311841.06868776 | 0.17160854 | 2.37174022 | 7395.60215707 | 2.37 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666 |
| K 766.491 | K-R | n | 4.24489814 | 4.24489814 | mg/L | 2740.29582088 | 0.02888520 | 0.68046853 | 19.82041726 | 0.72 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519 |
| Li 670.783 | Li-R | n | 0.00183473 | 0.00183473 | mg/L | 32.37891055 | 0.00021201 | 11.55514076 | 11.35661106 | 35.07 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745 |
| Mg 279.800 | Mg-R | n | 3.16273634 | 3.16273634 | mg/L | 2021.37918158 | 0.02042618 | 0.64583898 | 13.07034356 | 0.65 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691 |
| Mn 257.610 | Mn | n | 0.08937039 | 0.08937039 | mg/L | 32371.72656662 | 0.00270547 | 3.02725463 | 977.04644918 | 3.02 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407 |
| Mo 204.598 | Mo | n | 0.00194111 | 0.00194111 | mg/L | 28.32918641 | 0.00047518 | 24.47990731 | 7.20734397 | 25.44 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261 |
| Na 589.592 | Na-R | n | 2.56419226 | 2.56419226 | mg/L | 12367.13190012 | 0.01907561 | 0.74392277 | 92.38395570 | 0.75 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669688 |
| Ni 231.604 | Ni | n | 0.01451000 | 0.01451000 | mg/L | 308.34926822 | 0.00030795 | 2.12232820 | 6.65120397 | 2.16 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214 |
| P 177.434 | P | n | 1.10102733 | 1.10102733 | mg/L | 186.32557641 | 0.04694591 | 4.26382745 | 7.87498496 | 4.23 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550 |
| Pb 220.353 | Pb | n | 2.08110133 | 2.08110133 | mg/L | 22316.54468176 | 0.05618891 | 2.69996027 | 599.29741233 | 2.69 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535 |
| S 181.972 | S | n | 3.83684991 | 3.83684991 | mg/L | 5401.43528976 | 0.11006555 | 2.86864354 | 150.59104515 | 2.79 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194217886 |
| Sb 206.834 | Sb | nu | -0.00796063 | -0.00796063 | mg/L | -51.86321188 | 0.00177023 | 22.23731464 | 7.17769207 | 13.84 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664171950 |
| Se 196.026 | Se | n | 0.00984035 | 0.00984035 | mg/L | 61.36554745 | 0.00140450 | 14.27286927 | 5.93198994 | 9.67 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559568506 |
| Si 251.611 | Si | n | 1.91891837 | 1.91891837 | mg/L | 8907.86721930 | 0.05744397 | 2.99355995 | 265.81518858 | 2.98 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381791517 |
| Sn 189.925 | Sn | n | 0.03403571 | 0.03403571 | mg/L | 424.14159934 | 0.00154526 | 4.54010401 | 18.14710639 | 4.28 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960 |
| Sr 421.552 | Sr-R | n | 0.01878193 | 0.01878193 | mg/L | 4824.02246096 | 0.00029961 | 1.59521483 | 75.82610420 | 1.57 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878 |
| Ti 334.941 | Ti | n | 0.06598673 | 0.06598673 | mg/L | 17208.75399528 | 0.00528057 | 8.00246896 | 1375.28102824 | 7.99 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742 |
| Tl 190.794 | Tl | n | 0.00117743 | 0.00117743 | mg/L | 9.69039705 | 0.00092849 | 78.85773381 | 4.76787572 | 49.20 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064745275 |
| V 292.401 | V | n | 0.00390645 | 0.00390645 | mg/L | 117.42515026 | 0.00023991 | 6.14143406 | 8.73498388 | 7.44 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322 |
| Zn 206.200 | Zn | no | 81.70508786 | 81.70508786 | mg/L | 3174873.72500492 | 1.62006844 | 1.98282442 | 62949.72909625 | 1.98 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499 |
| Y 371.029 | Y | | 1.02 | 1.02 | Ratio | 262011.91 | 0.03 | 2.54 | 6663.87 | 2.54 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.98 | 0.98 | Ratio | 41633.64 | 0.00 | 0.43 | 177.00 | 0.43 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-009 | Client ID: | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF |
| Seqnum: | 794068193179 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333242 | Time: | 16-FEB-2024 18:40 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 4.408 | 220 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 239232 | -7.32 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-009,333242 | Rack:Tube: | 3:17 | Type: | Sample |
| Date Time: | 2/16/2024 6:40:02 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nb | 0.00041445 | 0.00041445 | mg/L | 37.10955141 | 0.00013027 | 31.43280136 | 7.51019988 | 20.24 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065 |
| Al 396.152 | Al | nb | 3.81683647 | 3.81683647 | mg/L | 188299.16446386 | 0.00398932 | 0.10451899 | 195.78063179 | 0.10 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206 |
| As 188.980 | As | nb | 0.07353439 | 0.07353439 | mg/L | 365.38919234 | 0.00123418 | 1.67837787 | 6.28964119 | 1.72 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904 |
| B 249.678 | B | nb | 0.03395044 | 0.03395044 | mg/L | 814.84155996 | 0.00083215 | 2.45107303 | 32.55321081 | 4.00 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404 |
| Ba 230.424 | Ba | nb | 0.03041182 | 0.03041182 | mg/L | 4136.51488671 | 0.00007582 | 0.24929780 | 10.20729926 | 0.25 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53 |
| Be 313.107 | Be | nb | 0.00002093 | 0.00002093 | mg/L | 13.35133178 | 0.00000190 | 9.06332546 | 2.60775214 | 19.53 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5 |
| Ca 317.933 | Ca-R | nb | 18.54166208 | 18.54166208 | mg/L | 139433.96459220 | 0.43444743 | 2.34308785 | 3241.56020841 | 2.32 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404 |
| Cd 214.439 | Cd | nbu | -0.00073316 | -0.00073316 | mg/L | 1437.48727751 | 0.00003754 | 5.11986066 | 8.16502695 | 0.57 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31 |
| Co 230.786 | Co | nb | 0.07748816 | 0.07748816 | mg/L | 4191.58157772 | 0.00013502 | 0.17424719 | 7.02101327 | 0.17 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438 |
| Cr 267.716 | Cr | nb | 0.13646681 | 0.13646681 | mg/L | 7248.28970635 | 0.00080490 | 0.58981123 | 42.88429500 | 0.59 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259 |
| Cu 324.754 | Cu | nb | 1.33488340 | 1.33488340 | mg/L | 72798.45254596 | 0.00258786 | 0.19386395 | 139.58445813 | 0.19 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228 |
| Fe 259.940 | Fe | nbo | 264.60266425 | 264.60266425 | mg/L | 11403277.48535770 | 0.28370707 | 0.10722003 | 12226.57434731 | 0.11 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769 |
| K 766.491 | K-R | nb | 3.68378943 | 3.68378943 | mg/L | 2406.46635809 | 0.08917276 | 2.42068024 | 61.18848436 | 2.54 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908 |
| Li 670.783 | Li-R | nb | 0.00262312 | 0.00262312 | mg/L | 89.09784982 | 0.00123192 | 46.96402330 | 65.99091685 | 74.07 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369 |
| Mg 279.800 | Mg-R | nb | 4.84461794 | 4.84461794 | mg/L | 3153.50218834 | 0.11281193 | 2.32860318 | 72.18630033 | 2.29 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180 |
| Mn 257.610 | Mn | nb | 2.61918441 | 2.61918441 | mg/L | 946783.84354655 | 0.00789869 | 0.30157053 | 2852.51276268 | 0.30 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52 |
| Mo 204.598 | Mo | nb | 0.00924249 | 0.00924249 | mg/L | 144.81543778 | 0.00048547 | 5.25258044 | 7.36337526 | 5.08 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542 |
| Na 589.592 | Na-R | nb | 2.73525455 | 2.73525455 | mg/L | 13232.82124665 | 0.05381694 | 1.96752951 | 260.63763183 | 1.97 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406 |
| Ni 231.604 | Ni | nb | 0.25671446 | 0.25671446 | mg/L | 5601.42522477 | 0.00098834 | 0.38499666 | 21.34655221 | 0.38 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343 |
| P 177.434 | P | nb | 1.23435587 | 1.23435587 | mg/L | 205.03692834 | 0.01280124 | 1.03707836 | 2.14735562 | 1.05 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593 |
| Pb 220.353 | Pb | nb | 4.40840000 | 4.40840000 | mg/L | 47195.71284914 | 0.02840192 | 0.64426830 | 302.92809985 | 0.64 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759 |
| S 181.972 | S | nb | 4.47730959 | 4.47730959 | mg/L | 6285.64755336 | 0.02919890 | 0.65215287 | 39.94977017 | 0.64 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942 |
| Sb 206.834 | Sb | nb | 0.01560809 | 0.01560809 | mg/L | 100.98810496 | 0.00167545 | 10.73446873 | 6.79337087 | 6.73 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641 |
| Se 196.026 | Se | nb | 0.01486571 | 0.01486571 | mg/L | 17.34316016 | 0.00214911 | 14.45679981 | 9.07687748 | 52.34 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595 |
| Si 251.611 | Si | nb | 6.95797485 | 6.95797485 | mg/L | 32246.70923188 | 0.00940362 | 0.13514878 | 43.51412982 | 0.13 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817 |
| Sn 189.925 | Sn | nb | 0.32046627 | 0.32046627 | mg/L | 3794.45240354 | 0.00115575 | 0.36064657 | 13.57284595 | 0.36 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749 |
| Sr 421.552 | Sr-R | nb | 0.03679863 | 0.03679863 | mg/L | 9415.54254127 | 0.00100048 | 2.71879348 | 253.20211744 | 2.69 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94 |
| Ti 334.941 | Ti | nb | 0.30515521 | 0.30515521 | mg/L | 79481.19550430 | 0.00859284 | 2.81589118 | 2237.93526126 | 2.82 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90 |
| Tl 190.794 | Tl | nbu | -0.00363219 | -0.00363219 | mg/L | -12.50455430 | 0.00075129 | 20.68430804 | 3.85793892 | 30.85 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647 |
| V 292.401 | V | nb | 0.01924009 | 0.01924009 | mg/L | -0.36806517 | 0.00024906 | 1.29449231 | 9.06810088 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080 |
| Zn 206.200 | Zn | nb | 17.16949726 | 17.16949726 | mg/L | 670314.20233305 | 0.08374132 | 0.48773312 | 3253.87096947 | 0.49 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215 |
| Y 371.029 | Y | | 0.93 | 0.93 | Ratio | 239231.99 | 0.01 | 0.98 | 2341.85 | 0.98 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.90 | 0.90 | Ratio | 38218.25 | 0.01 | 1.58 | 603.63 | 1.58 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-011 | Client ID: | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA |
| Seqnum: | 794068193180 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333242 | Time: | 16-FEB-2024 18:43 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |
| IDF: | 1.0 | Raw Units: | mg/L | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.929 | 96 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 244009 | -5.47 |

*u=use*

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | 502501-011,333242 | **Rack:Tube:** | 3:18 | **Type:** | Sample |
| **Date Time:** | 2/16/2024 6:43:10 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 Coefficie |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 0.00010669 | 0.00010669 | mg/L | 32.52165398 | 0.00006785 | 63.59958162 | 3.91183922 | 12.03 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.06555 |
| Al 396.152 | Al | n | 2.39113379 | 2.39113379 | mg/L | 117665.70949908 | 0.02162033 | 0.90418742 | 1061.04382958 | 0.90 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.20686 |
| As 188.980 | As | n | 0.04232523 | 0.04232523 | mg/L | 211.48910009 | 0.00152863 | 3.61163384 | 7.79020060 | 3.68 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190416 |
| B 249.678 | B | n | 0.01987197 | 0.01987197 | mg/L | 667.91031387 | 0.00012989 | 0.65362894 | 5.08117893 | 0.76 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.40413 |
| Ba 230.424 | Ba | n | 0.01738413 | 0.01738413 | mg/L | 2376.48397639 | 0.00003816 | 0.21949564 | 5.13722923 | 0.22 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.5329 |
| Be 313.107 | Be | n | 0.00002238 | 0.00002238 | mg/L | 14.79379820 | 0.00000013 | 0.55907653 | 0.17202828 | 1.16 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.540 |
| Ca 317.933 | Ca-R | n | 12.29565712 | 12.29565712 | mg/L | 92721.40996323 | 0.05288557 | 0.43011585 | 394.59724477 | 0.43 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340479 |
| Cd 214.439 | Cd | nu | -0.00023569 | -0.00023569 | mg/L | 361.24355320 | 0.00003814 | 16.18310053 | 8.29656196 | 2.30 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.3140 |
| Co 230.786 | Co | n | 0.00892089 | 0.00892089 | mg/L | 517.83974552 | 0.00013099 | 1.46839571 | 6.81161631 | 1.32 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.43848 |
| Cr 267.716 | Cr | n | 0.05572708 | 0.05572708 | mg/L | 2934.97260598 | 0.00041151 | 0.73843126 | 21.92474422 | 0.75 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.25999 |
| Cu 324.754 | Cu | n | 0.84575940 | 0.84575940 | mg/L | 46776.70636035 | 0.00222840 | 0.26347900 | 120.19586267 | 0.26 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.22835 |
| Fe 259.940 | Fe | no | 77.48900047 | 77.48900047 | mg/L | 3339468.25940727 | 0.32496785 | 0.41937287 | 14004.73940334 | 0.42 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.76966 |
| K 766.491 | K-R | n | 3.40127499 | 3.40127499 | mg/L | 2173.27415845 | 0.12267622 | 3.60677159 | 84.17785579 | 3.87 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.1790805 |
| Li 670.783 | Li-R | n | 0.00174533 | 0.00174533 | mg/L | 30.97885526 | 0.00094041 | 53.88186289 | 50.37552082 | > 100.00 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.36957 |
| Mg 279.800 | Mg-R | n | 4.09168416 | 4.09168416 | mg/L | 2628.56011001 | 0.02675053 | 0.65377790 | 17.11717543 | 0.65 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.8818086 |
| Mn 257.610 | Mn | n | 0.53560602 | 0.53560602 | mg/L | 193707.17731124 | 0.00385535 | 0.71981091 | 1392.31176618 | 0.72 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.5244 |
| Mo 204.598 | Mo | n | 0.00392294 | 0.00392294 | mg/L | 59.99179799 | 0.00058256 | 14.84998600 | 8.83593575 | 14.73 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.54262 |
| Na 589.592 | Na-R | n | 1.99614567 | 1.99614567 | mg/L | 9624.54897038 | 0.01783924 | 0.89368423 | 86.39616034 | 0.90 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669 |
| Ni 231.604 | Ni | n | 0.11255018 | 0.11255018 | mg/L | 2439.99157811 | 0.00021781 | 0.19351882 | 4.70424396 | 0.19 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.34372 |
| P 177.434 | P | n | 1.17262048 | 1.17262048 | mg/L | 197.49805801 | 0.00848511 | 0.72360229 | 1.42334251 | 0.72 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.7459375 |
| Pb 220.353 | Pb | n | 1.92920810 | 1.92920810 | mg/L | 20707.41176859 | 0.01055672 | 0.54720477 | 112.59542663 | 0.54 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.75985 |
| S 181.972 | S | n | 3.68821376 | 3.68821376 | mg/L | 5200.12476796 | 0.04400044 | 1.19300127 | 60.20114358 | 1.16 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194217 |
| Sb 206.834 | Sb | n | 0.01132922 | 0.01132922 | mg/L | 39.38737294 | 0.00135829 | 11.98925242 | 5.50740333 | 13.98 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664171 |
| Se 196.026 | Se | n | 0.00899120 | 0.00899120 | mg/L | 42.89942515 | 0.00108607 | 12.07920727 | 4.58706150 | 10.69 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559568 |
| Si 251.611 | Si | n | 4.80272290 | 4.80272290 | mg/L | 22257.25487491 | 0.06414908 | 1.33568142 | 296.84227202 | 1.33 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381791 |
| Sn 189.925 | Sn | n | 0.12006946 | 0.12006946 | mg/L | 1436.00355012 | 0.00103691 | 0.86358808 | 12.17715871 | 0.85 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.74969 |
| Sr 421.552 | Sr-R | n | 0.01909570 | 0.01909570 | mg/L | 4907.02979528 | 0.00006153 | 0.32222761 | 15.57247928 | 0.32 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.9488 |
| Ti 334.941 | Ti | n | 0.18764168 | 0.18764168 | mg/L | 48889.22015598 | 0.01195110 | 6.36910684 | 3112.56702618 | 6.37 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.9047 |
| Tl 190.794 | Tl | nu | -0.00073261 | -0.00073261 | mg/L | 0.45642734 | 0.00059670 | 81.44819389 | 3.06409577 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064745 |
| V 292.401 | V | n | 0.00978447 | 0.00978447 | mg/L | 176.96220569 | 0.00029869 | 3.05265978 | 10.87490372 | 6.15 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.08023 |
| Zn 206.200 | Zn | n | 5.03777707 | 5.03777707 | mg/L | 196568.65199044 | 0.02968122 | 0.58917301 | 1153.29999750 | 0.59 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.21594 |
| Y 371.029 | Y | | 0.95 | 0.95 | Ratio | 244008.99 | 0.02 | 1.74 | 4251.42 | 1.74 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.94 | 0.94 | Ratio | 40066.33 | 0.00 | 0.49 | 195.24 | 0.49 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-013 | Client ID: | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA |
| Seqnum: | 794068193181 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333242 | Time: | 16-FEB-2024 18:46 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 4.168 | 210 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 241267 | -6.53 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-013,333242 | Rack:Tube: | 3:19 | Type: | Sample |
| Date Time: | 2/16/2024 6:46:18 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficie |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | -0.00189561 | -0.00189561 | mg/L | -85.75077823 | 0.00020721 | 10.93085862 | 11.94546651 | 13.93 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555 |
| Al 396.152 | Al | n | 3.06436132 | 3.06436132 | mg/L | 150850.29904091 | 0.01648650 | 0.53800767 | 809.09483899 | 0.54 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206863 |
| As 188.980 | As | n | 0.08236635 | 0.08236635 | mg/L | 414.44613419 | 0.00123559 | 1.50011326 | 6.29679438 | 1.52 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904168 |
| B 249.678 | B | n | 0.01945813 | 0.01945813 | mg/L | 564.11780888 | 0.00033880 | 1.74118315 | 13.25372232 | 2.35 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404137 |
| Ba 230.424 | Ba | n | 0.02202170 | 0.02202170 | mg/L | 3002.38786613 | 0.00013950 | 0.63345893 | 18.78102669 | 0.63 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53294 |
| Be 313.107 | Be | n | 0.00002064 | 0.00002064 | mg/L | 12.52410755 | 0.00000353 | 17.08206130 | 4.84784951 | 38.71 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402 |
| Ca 317.933 | Ca-R | n | 13.30217250 | 13.30217250 | mg/L | 100255.39930033 | 0.05431312 | 0.40830265 | 405.24870263 | 0.40 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404796 |
| Cd 214.439 | Cd | nu | -0.00032334 | -0.00032334 | mg/L | 598.77282831 | 0.00002279 | 7.04765161 | 4.95679967 | 0.83 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31404 |
| Co 230.786 | Co | n | 0.02285185 | 0.02285185 | mg/L | 1265.72503751 | 0.00018797 | 0.82253741 | 9.77407605 | 0.77 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438487 |
| Cr 267.716 | Cr | n | 0.08673417 | 0.08673417 | mg/L | 4589.49410274 | 0.00050175 | 0.57848832 | 26.73271195 | 0.58 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259992 |
| Cu 324.754 | Cu | n | 2.24884881 | 2.24884881 | mg/L | 122379.10121178 | 0.00537288 | 0.23891701 | 289.80375636 | 0.24 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228353 |
| Fe 259.940 | Fe | no | 121.92348551 | 121.92348551 | mg/L | 5254407.44688771 | 0.75793687 | 0.62164960 | 32663.87259908 | 0.62 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769666 |
| K 766.491 | K-R | n | 3.43069168 | 3.43069168 | mg/L | 2202.08312038 | 0.12503393 | 3.64456921 | 85.79566880 | 3.90 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908051 |
| Li 670.783 | Li-R | n | 0.00283538 | 0.00283538 | mg/L | 91.89997139 | 0.00042217 | 14.88947891 | 22.61473083 | 24.61 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369574 |
| Mg 279.800 | Mg-R | n | 5.05898217 | 5.05898217 | mg/L | 3256.86222141 | 0.03279768 | 0.64830599 | 20.98664154 | 0.64 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180869 |
| Mn 257.610 | Mn | n | 0.75425558 | 0.75425558 | mg/L | 272804.15470245 | 0.00181096 | 0.24009911 | 654.00595409 | 0.24 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52440 |
| Mo 204.598 | Mo | n | 0.00452652 | 0.00452652 | mg/L | 70.17800749 | 0.00033931 | 7.49611817 | 5.14654864 | 7.33 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542626 |
| Na 589.592 | Na-R | n | 2.38525609 | 2.38525609 | mg/L | 11515.28091717 | 0.01134791 | 0.47575225 | 54.95838785 | 0.48 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696 |
| Ni 231.604 | Ni | n | 0.99017580 | 0.99017580 | mg/L | 21405.62096228 | 0.00312249 | 0.31534688 | 67.44057879 | 0.32 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343721 |
| P 177.434 | P | n | 1.11538297 | 1.11538297 | mg/L | 187.28596262 | 0.00359675 | 0.32246798 | 0.60334068 | 0.32 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593755 |
| Pb 220.353 | Pb | n | 4.16821817 | 4.16821817 | mg/L | 44597.12915219 | 0.01350373 | 0.32396884 | 144.02752256 | 0.32 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759853 |
| S 181.972 | S | n | 4.29564983 | 4.29564983 | mg/L | 6032.64785376 | 0.04825639 | 1.12337802 | 66.02410820 | 1.09 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942178 |
| Sb 206.834 | Sb | n | 0.05139121 | 0.05139121 | mg/L | 211.37860230 | 0.00106480 | 2.07195088 | 4.31740875 | 2.04 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641719 |
| Se 196.026 | Se | n | 0.01123257 | 0.01123257 | mg/L | 41.47367794 | 0.00014822 | 1.31959024 | 0.62603262 | 1.51 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595685 |
| Si 251.611 | Si | n | 6.14066384 | 6.14066384 | mg/L | 28452.05027763 | 0.04550920 | 0.74111200 | 210.58842626 | 0.74 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817915 |
| Sn 189.925 | Sn | n | 0.15946989 | 0.15946989 | mg/L | 1899.81731985 | 0.00058469 | 0.36664323 | 6.86640065 | 0.36 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749696 |
| Sr 421.552 | Sr-R | n | 0.02207947 | 0.02207947 | mg/L | 5667.37722478 | 0.00012119 | 0.54888060 | 30.67085892 | 0.54 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94887 |
| Ti 334.941 | Ti | n | 0.20393881 | 0.20393881 | mg/L | 53130.99109580 | 0.01325903 | 6.50147604 | 3453.20773138 | 6.50 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90474 |
| Tl 190.794 | Tl | nu | -0.00157524 | -0.00157524 | mg/L | -3.44534305 | 0.00044444 | 28.21435949 | 2.28224993 | 66.24 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647452 |
| V 292.401 | V | n | 0.01339892 | 0.01339892 | mg/L | 195.58444023 | 0.00004533 | 0.33833013 | 1.65051796 | 0.84 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080232 |
| Zn 206.200 | Zn | n | 10.52168637 | 10.52168637 | mg/L | 410162.45807068 | 0.00863081 | 0.08202877 | 335.36061520 | 0.08 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215949 |
| Y 371.029 | Y | | 0.93 | 0.93 | Ratio | 241267.05 | 0.01 | 1.48 | 3574.59 | 1.48 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.91 | 0.91 | Ratio | 38814.08 | 0.00 | 0.19 | 74.83 | 0.19 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-015 | Client ID: | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-WF |
| Seqnum: | 794068193137 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333243 | Time: | 16-FEB-2024 16:28 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |
| IDF: | 1.0 | Raw Units: | mg/L | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.534 | 77 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 229768 | -10.99 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-015,333243 | Rack:Tube: | 2:41 | Type: | Sample |
| Date Time: | 2/16/2024 4:28:43 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficie |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 0.00024765 | 0.00024765 | mg/L | 35.85825426 | 0.00007835 | 31.63600830 | 4.51661401 | 12.60 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555 |
| Al 396.152 | Al | n | 1.54182968 | 1.54182968 | mg/L | 76212.16414551 | 0.00366984 | 0.23801824 | 180.10162589 | 0.24 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206863 |
| As 188.980 | As | n | 0.06012744 | 0.06012744 | mg/L | 300.32450178 | 0.00067771 | 1.12711443 | 3.45371421 | 1.15 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904168 |
| B 249.678 | B | n | 0.02332088 | 0.02332088 | mg/L | 659.74635361 | 0.00046188 | 1.98053562 | 18.06840302 | 2.74 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404137 |
| Ba 230.424 | Ba | n | 0.03765090 | 0.03765090 | mg/L | 5106.71551546 | 0.00018189 | 0.48309684 | 24.48835022 | 0.48 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53294 |
| Be 313.107 | Be | n | 0.00001933 | 0.00001933 | mg/L | 10.80266748 | 0.00000203 | 10.52473564 | 2.79782954 | 25.90 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402 |
| Ca 317.933 | Ca-R | n | 13.03654877 | 13.03654877 | mg/L | 98287.69022898 | 0.07345365 | 0.56344401 | 548.06271980 | 0.56 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404796 |
| Cd 214.439 | Cd | nu | -0.00041660 | -0.00041660 | mg/L | 742.13579662 | 0.00002566 | 6.16021243 | 5.58234535 | 0.75 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31404 |
| Co 230.786 | Co | n | 0.04533812 | 0.04533812 | mg/L | 2449.88680863 | 0.00041270 | 0.91026256 | 21.45995614 | 0.88 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438487 |
| Cr 267.716 | Cr | n | 0.07536060 | 0.07536060 | mg/L | 3984.94874840 | 0.00088172 | 1.17000134 | 46.97739063 | 1.18 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259992 |
| Cu 324.754 | Cu | n | 1.15717811 | 1.15717811 | mg/L | 63445.25783513 | 0.00533923 | 0.46140049 | 287.98836104 | 0.45 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228353 |
| Fe 259.940 | Fe | no | 153.47575610 | 153.47575610 | mg/L | 6614175.64414980 | 0.45156154 | 0.29422337 | 19460.39225055 | 0.29 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769666 |
| K 766.491 | K-R | n | 4.11974821 | 4.11974821 | mg/L | 2680.11443796 | 0.05121813 | 1.24323459 | 35.14481253 | 1.31 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908051 |
| Li 670.783 | Li-R | n | 0.00333169 | 0.00333169 | mg/L | 119.78673718 | 0.00036027 | 10.81352183 | 19.29888507 | 16.11 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369574 |
| Mg 279.800 | Mg-R | n | 3.63283235 | 3.63283235 | mg/L | 2350.25688700 | 0.03009775 | 0.82849272 | 19.25900363 | 0.82 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180869 |
| Mn 257.610 | Mn | n | 1.30798887 | 1.30798887 | mg/L | 472861.99773035 | 0.00849972 | 0.64983118 | 3069.56766086 | 0.65 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52440 |
| Mo 204.598 | Mo | n | 0.00661250 | 0.00661250 | mg/L | 101.83048617 | 0.00039277 | 5.93984311 | 5.95739235 | 5.85 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542626 |
| Na 589.592 | Na-R | n | 2.54698334 | 2.54698334 | mg/L | 12302.37336512 | 0.01506593 | 0.59152070 | 72.96492898 | 0.59 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696 |
| Ni 231.604 | Ni | n | 0.18223613 | 0.18223613 | mg/L | 3961.98688295 | 0.00143067 | 0.78506623 | 30.90019522 | 0.78 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343721 |
| P 177.434 | P | n | 1.09288065 | 1.09288065 | mg/L | 183.13006603 | 0.01977388 | 1.80933587 | 3.31698833 | 1.81 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593755 |
| Pb 220.353 | Pb | n | 1.53351018 | 1.53351018 | mg/L | 16506.28431642 | 0.00151860 | 0.09902756 | 16.19699899 | 0.10 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759853 |
| S 181.972 | S | n | 4.16068917 | 4.16068917 | mg/L | 5848.08935079 | 0.02910172 | 0.69944477 | 39.81680878 | 0.68 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942178 |
| Sb 206.834 | Sb | n | 0.01211514 | 0.01211514 | mg/L | 58.40891260 | 0.00205574 | 16.96833835 | 8.33532677 | 14.27 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641719 |
| Se 196.026 | Se | n | 0.01521106 | 0.01521106 | mg/L | 51.26567862 | 0.00157169 | 10.33254543 | 6.63812517 | 12.95 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595685 |
| Si 251.611 | Si | n | 3.42162377 | 3.42162377 | mg/L | 15871.91682400 | 0.02624078 | 0.76691015 | 121.42610701 | 0.77 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817915 |
| Sn 189.925 | Sn | n | 0.11330120 | 0.11330120 | mg/L | 1358.32279223 | 0.00095052 | 0.83893217 | 11.16267130 | 0.82 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749696 |
| Sr 421.552 | Sr-R | n | 0.01995339 | 0.01995339 | mg/L | 5130.30024260 | 0.00017381 | 0.87106788 | 43.98737562 | 0.86 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94887 |
| Ti 334.941 | Ti | n | 0.12902894 | 0.12902894 | mg/L | 33619.17567733 | 0.00135668 | 1.05145494 | 353.33662656 | 1.05 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90474 |
| Tl 190.794 | Tl | nu | -0.00126916 | -0.00126916 | mg/L | -1.62675339 | 0.00016215 | 12.77630356 | 0.83265844 | 51.19 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647452 |
| V 292.401 | V | n | 0.00935770 | 0.00935770 | mg/L | -23.83984982 | 0.00035958 | 3.84261409 | 13.09199098 | 54.92 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080232 |
| Zn 206.200 | Zn | n | 2.81165146 | 2.81165146 | mg/L | 110904.32980460 | 0.01747241 | 0.62142858 | 678.91157253 | 0.61 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215949 |
| Y 371.029 | Y | | 0.89 | 0.89 | Ratio | 229768.47 | 0.02 | 1.82 | 4177.08 | 1.82 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.91 | 0.91 | Ratio | 38685.91 | 0.01 | 0.69 | 266.74 | 0.69 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-016 | Client ID: | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF |
| Seqnum: | 794068193138 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333243 | Time: | 16-FEB-2024 16:31 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |
| IDF: | 1.0 | Raw Units: | mg/L | Units: | ug/ft2 |

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Ch | Raw | Result | RL | Blank | Flags |
|---|---|---|---|---|---|---|
| **Lead** | A | 1.611 | 81 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 239743 | -7.12 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-016,333243 | Rack:Tube: | 2:42 | Type: | Sample |
| Date Time: | 2/16/2024 4:31:50 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | 0.00014302 | 0.00014302 | mg/L | 33.10420121 | 0.00029840 | 208.64340274 | 17.20299043 | 51.97 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065 |
| Al 396.152 | Al | n | 1.04337559 | 1.04337559 | mg/L | 51573.18638574 | 0.01498294 | 1.43600602 | 735.30568527 | 1.43 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206 |
| As 188.980 | As | n | 0.05020148 | 0.05020148 | mg/L | 251.04448043 | 0.00076406 | 1.52198195 | 3.89378233 | 1.55 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904 |
| B 249.678 | B | n | 0.02229572 | 0.02229572 | mg/L | 723.20731086 | 0.00020642 | 0.92581497 | 8.07491319 | 1.12 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404 |
| Ba 230.424 | Ba | n | 0.01166732 | 0.01166732 | mg/L | 1606.85344009 | 0.00024215 | 2.07542234 | 32.60075304 | 2.03 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53 |
| Be 313.107 | Be | n | 0.00002537 | 0.00002537 | mg/L | 18.95859354 | 0.00000440 | 17.34240428 | 6.04960091 | 31.91 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5 |
| Ca 317.933 | Ca-R | n | 10.04611593 | 10.04611593 | mg/L | 75947.12809487 | 0.09896262 | 0.98508337 | 738.39378552 | 0.97 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404 |
| Cd 214.439 | Cd | nu | -0.00030391 | -0.00030391 | mg/L | 463.78687539 | 0.00001866 | 6.13898903 | 4.05830909 | 0.88 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31 |
| Co 230.786 | Co | n | 0.03063402 | 0.03063402 | mg/L | 1657.58100954 | 0.00058419 | 1.90698367 | 30.37733222 | 1.83 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438 |
| Cr 267.716 | Cr | n | 0.04844118 | 0.04844118 | mg/L | 2547.61635265 | 0.00064971 | 1.34123609 | 34.61609620 | 1.36 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259 |
| Cu 324.754 | Cu | n | 1.45352766 | 1.45352766 | mg/L | 79521.87613430 | 0.01503166 | 1.03415036 | 810.78119030 | 1.02 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228 |
| Fe 259.940 | Fe | no | 101.01242313 | 101.01242313 | mg/L | 4353227.08258700 | 1.10788809 | 1.09678399 | 47745.28981956 | 1.10 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769 |
| K 766.491 | K-R | n | 3.63025115 | 3.63025115 | mg/L | 2334.19599522 | 0.07362972 | 2.02822650 | 50.52317068 | 2.16 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908 |
| Li 670.783 | Li-R | n | 0.00204175 | 0.00204175 | mg/L | 47.83371976 | 0.00049752 | 24.36725602 | 26.65080320 | 55.72 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369 |
| Mg 279.800 | Mg-R | n | 3.35374326 | 3.35374326 | mg/L | 2160.63355960 | 0.04770934 | 1.42256995 | 30.52834123 | 1.41 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180 |
| Mn 257.610 | Mn | n | 0.81084100 | 0.81084100 | mg/L | 293164.65745791 | 0.01076600 | 1.32775688 | 3888.00555739 | 1.33 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52 |
| Mo 204.598 | Mo | n | 0.00475477 | 0.00475477 | mg/L | 72.54409816 | 0.00072336 | 15.21342775 | 10.97165713 | 15.12 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542 |
| Na 589.592 | Na-R | n | 2.16688995 | 2.16688995 | mg/L | 10454.16324152 | 0.01480092 | 0.68304895 | 71.68145349 | 0.69 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406 |
| Ni 231.604 | Ni | n | 0.13615864 | 0.13615864 | mg/L | 2954.57098834 | 0.00145352 | 1.06751910 | 31.39361386 | 1.06 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343 |
| P 177.434 | P | n | 1.22367395 | 1.22367395 | mg/L | 205.79256863 | 0.02664291 | 2.17728805 | 4.46923935 | 2.17 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593 |
| Pb 220.353 | Pb | n | 1.61121153 | 1.61121153 | mg/L | 17323.69300867 | 0.01773320 | 1.10061305 | 189.13809938 | 1.09 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759 |
| S 181.972 | S | n | 3.92941194 | 3.92941194 | mg/L | 5530.01085400 | 0.05086453 | 1.29445659 | 69.59255829 | 1.26 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942 |
| Sb 206.834 | Sb | n | 0.00428368 | 0.00428368 | mg/L | 15.37819189 | 0.00201506 | 47.04035203 | 8.17038566 | 53.13 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641 |
| Se 196.026 | Se | n | 0.01168934 | 0.01168934 | mg/L | 49.26572392 | 0.00114697 | 9.81208642 | 4.84428892 | 9.83 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595 |
| Si 251.611 | Si | n | 2.56649810 | 2.56649810 | mg/L | 11910.68557532 | 0.04530975 | 1.76543097 | 209.66552300 | 1.76 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817 |
| Sn 189.925 | Sn | n | 0.09578238 | 0.09578238 | mg/L | 1151.30849259 | 0.00092646 | 0.96725269 | 10.88008673 | 0.95 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749 |
| Sr 421.552 | Sr-R | n | 0.01697120 | 0.01697120 | mg/L | 4364.83252496 | 0.00019557 | 1.15236770 | 49.49520439 | 1.13 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94 |
| Ti 334.941 | Ti | n | 0.09724446 | 0.09724446 | mg/L | 25344.72888131 | 0.00257688 | 2.64990230 | 671.12837124 | 2.65 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90 |
| Tl 190.794 | Tl | nu | -0.00011701 | -0.00011701 | mg/L | 3.79173927 | 0.00076286 | 651.95686044 | 3.91734275 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647 |
| V 292.401 | V | n | 0.00701408 | 0.00701408 | mg/L | 24.08198393 | 0.00021921 | 3.12531739 | 7.98131305 | 33.14 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080 |
| Zn 206.200 | Zn | n | 13.49126210 | 13.49126210 | mg/L | 525271.86131973 | 0.17550220 | 1.30085828 | 6819.35140464 | 1.30 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215 |
| Y 371.029 | Y | | 0.93 | 0.93 | Ratio | 239743.03 | 0.02 | 1.73 | 4150.21 | 1.73 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.94 | 0.94 | Ratio | 40240.12 | 0.01 | 0.96 | 384.83 | 0.96 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-018 | Client ID: | AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-L-LA |
| Seqnum: | 794068193182 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333243 | Time: | 16-FEB-2024 18:49 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |
| IDF: | 20.0 | 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 | 0.4604 | 460 | **3.3** | | !<a+ **y** u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 264776 | 2.58 |

*!=warning +=high bias <=opening a=ICSA u=use y=RL raised*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-018,333243, 10x | Rack:Tube: | 3:20 | Type: | Sample |
| Date Time: | 2/16/2024 6:49:26 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | -0.00007764 | -0.00007764 | mg/L | 25.06941138 | 0.00006964 | 89.69343445 | 4.01465416 | 16.01 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.0655553 |
| Al 396.152 | Al | n | 0.28153363 | 0.28153363 | mg/L | 13884.19029218 | 0.00089758 | 0.31881745 | 44.04973943 | 0.32 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638 |
| As 188.980 | As | n | 0.00477905 | 0.00477905 | mg/L | 21.56227916 | 0.00162361 | 33.97348931 | 8.27423149 | 38.37 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190416859 |
| B 249.678 | B | n | 0.00150178 | 0.00150178 | mg/L | 71.19479000 | 0.00014058 | 9.36062698 | 5.49924093 | 7.72 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378 |
| Ba 230.424 | Ba | n | 0.00142046 | 0.00142046 | mg/L | 224.44855537 | 0.00008897 | 6.26368781 | 11.97864999 | 5.34 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949 |
| Be 313.107 | Be | n | 0.00002504 | 0.00002504 | mg/L | 18.26570284 | 0.00000081 | 3.23939978 | 1.11514374 | 6.11 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.540213 |
| Ca 317.933 | Ca-R | n | 0.91799529 | 0.91799529 | mg/L | 7794.92589534 | 0.01073464 | 1.16935702 | 80.09482115 | 1.03 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340479683 |
| Cd 214.439 | Cd | nu | -0.00004559 | -0.00004559 | mg/L | 54.38748876 | 0.00005865 | 128.64589553 | 12.75807631 | 23.46 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045 |
| Co 230.786 | Co | n | 0.00118088 | 0.00118088 | mg/L | 83.35280922 | 0.00031507 | 26.68088740 | 16.38341005 | 19.66 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874 |
| Cr 267.716 | Cr | n | 0.00552789 | 0.00552789 | mg/L | 256.10924564 | 0.00004395 | 0.79506271 | 2.34163221 | 0.91 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927 |
| Cu 324.754 | Cu | n | 0.04455386 | 0.04455386 | mg/L | 3664.73359646 | 0.00047584 | 1.06801086 | 25.66596846 | 0.70 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228353 |
| Fe 259.940 | Fe | n | 8.04612667 | 8.04612667 | mg/L | 346769.46195187 | 0.02741379 | 0.34070791 | 1181.41839170 | 0.34 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666 |
| K 766.491 | K-R | n | 0.44111847 | 0.44111847 | mg/L | 130.42630257 | 0.02324443 | 5.26943113 | 15.94984446 | 12.23 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519 |
| Li 670.783 | Li-R | nu | -0.00107596 | -0.00107596 | mg/L | -123.97839592 | 0.00120386 | 111.88720256 | 64.48787060 | 52.02 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745 |
| Mg 279.800 | Mg-R | n | 0.32743578 | 0.32743578 | mg/L | 207.16856295 | 0.01136070 | 3.46959515 | 7.26950268 | 3.51 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691 |
| Mn 257.610 | Mn | n | 0.05947793 | 0.05947793 | mg/L | 21572.35529833 | 0.00020987 | 0.35285590 | 75.79243469 | 0.35 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407 |
| Mo 204.598 | Mo | n | 0.00071276 | 0.00071276 | mg/L | 9.55203458 | 0.00006903 | 9.68442210 | 1.04696596 | 10.96 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261 |
| Na 589.592 | Na-R | n | 0.13433496 | 0.13433496 | mg/L | 598.77146996 | 0.00587259 | 4.37159940 | 28.44117481 | 4.75 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669688 |
| Ni 231.604 | Ni | n | 0.03035088 | 0.03035088 | mg/L | 650.36120501 | 0.00008210 | 0.27050721 | 1.77325250 | 0.27 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214 |
| P 177.434 | P | n | 0.06585500 | 0.06585500 | mg/L | 12.68373960 | 0.01034790 | 15.71316060 | 1.73581848 | 13.69 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550 |
| Pb 220.353 | Pb | n | 0.46040514 | 0.46040514 | mg/L | 5032.01675457 | 0.00144245 | 0.31330080 | 15.38485704 | 0.31 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535 |
| S 181.972 | S | n | 0.23487540 | 0.23487540 | mg/L | 472.25487489 | 0.00130177 | 0.55423726 | 1.78107009 | 0.38 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194217886 |
| Sb 206.834 | Sb | n | 0.00133319 | 0.00133319 | mg/L | -13.81976161 | 0.00101276 | 75.96498203 | 4.10639006 | 29.71 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664171950 |
| Se 196.026 | Se | nu | -0.00041735 | -0.00041735 | mg/L | 17.88466348 | 0.00082199 | 196.95328315 | 3.47172620 | 19.41 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559568506 |
| Si 251.611 | Si | n | 0.53773853 | 0.53773853 | mg/L | 2515.90074589 | 0.00268764 | 0.49980352 | 12.43671843 | 0.49 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381791517 |
| Sn 189.925 | Sn | n | 0.00471221 | 0.00471221 | mg/L | 79.81792817 | 0.00011458 | 2.43162097 | 1.34563408 | 1.69 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749696095 |
| Sr 421.552 | Sr-R | n | 0.00154882 | 0.00154882 | mg/L | 433.82144805 | 0.00004609 | 2.97571278 | 11.66410614 | 2.69 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878 |
| Ti 334.941 | Ti | n | 0.01775436 | 0.01775436 | mg/L | 4647.56091837 | 0.00142755 | 8.04057780 | 371.79470567 | 8.00 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742 |
| Tl 190.794 | Tl | nu | -0.00076323 | -0.00076323 | mg/L | -0.32865563 | 0.00055704 | 72.98493670 | 2.86043657 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064745275 |
| V 292.401 | V | n | 0.00090315 | 0.00090315 | mg/L | 5.97541452 | 0.00016150 | 17.88146693 | 5.87992920 | 98.40 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322 |
| Zn 206.200 | Zn | n | 1.62578936 | 1.62578936 | mg/L | 63298.67592767 | 0.00199878 | 0.12294219 | 77.66507096 | 0.12 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499 |
| Y 371.029 | Y | | 1.03 | 1.03 | Ratio | 264775.55 | 0.01 | 1.15 | 3035.29 | 1.15 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.99 | 0.99 | Ratio | 42281.08 | 0.01 | 1.05 | 444.46 | 1.05 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-019 | Client ID: | AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA |
| Seqnum: | 794068193140 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333243 | Time: | 16-FEB-2024 16:38 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 2.725 | 140 | 0.50 | | CO? u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 228800 | -11.36 |

*CO?=check for carryover u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-019,333243 | Rack:Tube: | 2:44 | Type: | Sample |
| Date Time: | 2/16/2024 4:38:04 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coef |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nb | 0.00026715 | 0.00026715 | mg/L | 36.41530505 | 0.00010446 | 39.10314984 | 6.02238311 | 16.54 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065 |
| Al 396.152 | Al | nb | 2.79591087 | 2.79591087 | mg/L | 137858.61771635 | 0.01072717 | 0.38367351 | 526.44878343 | 0.38 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206 |
| As 188.980 | As | nb | 0.10268602 | 0.10268602 | mg/L | 516.84329559 | 0.00154349 | 1.50311558 | 7.86591681 | 1.52 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904 |
| B 249.678 | B | nb | 0.02568447 | 0.02568447 | mg/L | 715.25882036 | 0.00044747 | 1.74217148 | 17.50466084 | 2.45 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404 |
| Ba 230.424 | Ba | nb | 0.02108722 | 0.02108722 | mg/L | 2877.79967750 | 0.00011824 | 0.56073664 | 15.91945997 | 0.55 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53 |
| Be 313.107 | Be | nbu | -0.00001294 | -0.00001294 | mg/L | -33.51505263 | 0.00000920 | 71.09565849 | 12.65248498 | 37.75 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5 |
| Ca 317.933 | Ca-R | nb | 22.28272895 | 22.28272895 | mg/L | 167286.68871194 | 0.70503102 | 3.16402458 | 5260.47649605 | 3.14 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404 |
| Cd 214.439 | Cd | nbu | -0.00061891 | -0.00061891 | mg/L | 799.90472963 | 0.00011506 | 18.59125454 | 25.02852725 | 3.13 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31 |
| Co 230.786 | Co | nb | 0.02161756 | 0.02161756 | mg/L | 1225.84074531 | 0.00042949 | 1.98676731 | 22.33326805 | 1.82 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438 |
| Cr 267.716 | Cr | nb | 0.13331018 | 0.13331018 | mg/L | 7074.25394224 | 0.00280909 | 2.10718687 | 149.66648105 | 2.12 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259 |
| Cu 324.754 | Cu | nb | 2.55869210 | 2.55869210 | mg/L | 139010.89781483 | 0.02123643 | 0.82997208 | 1145.45540663 | 0.82 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228 |
| Fe 259.940 | Fe | nbo | 172.97963548 | 172.97963548 | mg/L | 7454713.21605818 | 1.11368068 | 0.64382184 | 47994.92602896 | 0.64 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769 |
| K 766.491 | K-R | nb | 4.49683356 | 4.49683356 | mg/L | 2942.15982864 | 0.19252590 | 4.28136590 | 132.10724412 | 4.49 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908 |
| Li 670.783 | Li-R | nb | 0.00335603 | 0.00335603 | mg/L | 122.26870958 | 0.00023308 | 6.94521377 | 12.48568071 | 10.21 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369 |
| Mg 279.800 | Mg-R | nb | 5.08304789 | 5.08304789 | mg/L | 3281.96233989 | 0.17089043 | 3.36196770 | 109.34967616 | 3.33 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180 |
| Mn 257.610 | Mn | nb | 1.14858033 | 1.14858033 | mg/L | 415350.28096911 | 0.00715870 | 0.62326498 | 2585.27483708 | 0.62 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52 |
| Mo 204.598 | Mo | nb | 0.00692518 | 0.00692518 | mg/L | 107.27241784 | 0.00024778 | 3.57793345 | 3.75818936 | 3.50 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542 |
| Na 589.592 | Na-R | nb | 2.61417500 | 2.61417500 | mg/L | 12630.62698086 | 0.09316778 | 3.56394589 | 451.21536005 | 3.57 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406 |
| Ni 231.604 | Ni | nb | 0.34390407 | 0.34390407 | mg/L | 7457.97859241 | 0.00239732 | 0.69708864 | 51.77805973 | 0.69 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343 |
| P 177.434 | P | nb | 1.32818598 | 1.32818598 | mg/L | 222.34689969 | 0.01044321 | 0.78627655 | 1.75180687 | 0.79 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593 |
| Pb 220.353 | Pb | nb | 2.72521024 | 2.72521024 | mg/L | 29218.00964504 | 0.01879187 | 0.68955653 | 200.42952031 | 0.69 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759 |
| S 181.972 | S | nb | 4.87842685 | 4.87842685 | mg/L | 6831.54621856 | 0.06155864 | 1.26185429 | 84.22417334 | 1.23 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942 |
| Sb 206.834 | Sb | nb | 0.03547001 | 0.03547001 | mg/L | 156.65593837 | 0.00077236 | 2.17749419 | 3.13165016 | 2.00 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641 |
| Se 196.026 | Se | nb | 0.01494128 | 0.01494128 | mg/L | 45.83989700 | 0.00123168 | 8.24348016 | 5.20207963 | 11.35 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595 |
| Si 251.611 | Si | nb | 6.20022487 | 6.20022487 | mg/L | 28731.51826310 | 0.07133610 | 1.15054046 | 330.09935007 | 1.15 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817 |
| Sn 189.925 | Sn | nb | 0.29425603 | 0.29425603 | mg/L | 3483.79167743 | 0.00167925 | 0.57067598 | 19.72067403 | 0.57 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749 |
| Sr 421.552 | Sr-R | nb | 0.02951363 | 0.02951363 | mg/L | 7574.17169142 | 0.00089986 | 3.04897682 | 227.73834734 | 3.01 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94 |
| Ti 334.941 | Ti | nb | 0.26608105 | 0.26608105 | mg/L | 69311.55946453 | 0.01289310 | 4.84555464 | 3357.90417069 | 4.84 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90 |
| Tl 190.794 | Tl | nbu | -0.00117749 | -0.00117749 | mg/L | -0.95329453 | 0.00110351 | 93.71688253 | 5.66657656 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647 |
| V 292.401 | V | nb | 0.01471737 | 0.01471737 | mg/L | 127.26843835 | 0.00070034 | 4.75859692 | 25.49875128 | 20.04 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080 |
| Zn 206.200 | Zn | nb | 4.03515807 | 4.03515807 | mg/L | 158648.22082007 | 0.03876276 | 0.96062548 | 1506.17403658 | 0.95 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215 |
| Y 371.029 | Y | | 0.89 | 0.89 | Ratio | 228799.56 | 0.02 | 2.11 | 4819.25 | 2.11 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.92 | 0.92 | Ratio | 39373.13 | 0.02 | 2.60 | 1023.49 | 2.60 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-021 | Client ID: | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA |
| Seqnum: | 794068193141 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333243 | Time: | 16-FEB-2024 16:41 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 4.304 | 220 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 228579 | -11.45 |

*u=use*

Instrument ID: MET12

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label: | 502501-021,333243 | Rack:Tube: | 2:45 | Type: | Sample |
| Date Time: | 2/16/2024 4:41:11 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 Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | 0.00002034 | 0.00002034 | mg/L | 25.92760882 | 0.00008322 | 409.06614078 | 4.79776245 | 18.50 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065 |
| Al 396.152 | Al | n | 4.18415437 | 4.18415437 | mg/L | 205776.11830033 | 0.03623264 | 0.86594901 | 1778.16069347 | 0.86 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206 |
| As 188.980 | As | n | 0.05559245 | 0.05559245 | mg/L | 278.44439915 | 0.00105170 | 1.89179564 | 5.35964053 | 1.92 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904 |
| B 249.678 | B | n | 0.02488559 | 0.02488559 | mg/L | 805.36224594 | 0.00029040 | 1.16695977 | 11.36046221 | 1.41 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404 |
| Ba 230.424 | Ba | n | 0.03420290 | 0.03420290 | mg/L | 4642.37669190 | 0.00052355 | 1.53071831 | 70.48687746 | 1.52 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53 |
| Be 313.107 | Be | n | 0.00002086 | 0.00002086 | mg/L | 12.78420814 | 0.00000035 | 1.70202740 | 0.48806764 | 3.82 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5 |
| Ca 317.933 | Ca-R | n | 16.87627526 | 16.87627526 | mg/L | 126915.30420585 | 0.04316891 | 0.25579641 | 322.09790641 | 0.25 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404 |
| Cd 214.439 | Cd | nu | -0.00010689 | -0.00010689 | mg/L | 558.92448155 | 0.00011733 | 109.76331647 | 25.52053582 | 4.57 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31 |
| Co 230.786 | Co | n | 0.01621112 | 0.01621112 | mg/L | 912.51744204 | 0.00009622 | 0.59354250 | 5.00337987 | 0.55 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438 |
| Cr 267.716 | Cr | n | 0.05940560 | 0.05940560 | mg/L | 3132.99900930 | 0.00096424 | 1.62314010 | 51.37378882 | 1.64 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259 |
| Cu 324.754 | Cu | n | 0.99270290 | 0.99270290 | mg/L | 54652.17772638 | 0.00911191 | 0.91788843 | 491.48001415 | 0.90 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228 |
| Fe 259.940 | Fe | no | 109.69045345 | 109.69045345 | mg/L | 4727216.71808896 | 1.21711456 | 1.10959024 | 52452.48893289 | 1.11 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769 |
| K 766.491 | K-R | n | 4.68154766 | 4.68154766 | mg/L | 3057.52099179 | 0.06054966 | 1.29336837 | 41.54790760 | 1.36 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908 |
| Li 670.783 | Li-R | n | 0.00425804 | 0.00425804 | mg/L | 167.36752789 | 0.00016816 | 3.94926215 | 9.00794741 | 5.38 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369 |
| Mg 279.800 | Mg-R | n | 5.42996503 | 5.42996503 | mg/L | 3491.09352383 | 0.01247904 | 0.22981808 | 7.98511147 | 0.23 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180 |
| Mn 257.610 | Mn | n | 0.76389251 | 0.76389251 | mg/L | 276240.58916847 | 0.00653865 | 0.85596434 | 2361.35097809 | 0.85 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52 |
| Mo 204.598 | Mo | n | 0.00553842 | 0.00553842 | mg/L | 85.60409613 | 0.00029914 | 5.40122327 | 4.53725675 | 5.30 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542 |
| Na 589.592 | Na-R | n | 2.78445319 | 2.78445319 | mg/L | 13446.67346764 | 0.00966601 | 0.34714230 | 46.81290303 | 0.35 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406 |
| Ni 231.604 | Ni | n | 0.13755192 | 0.13755192 | mg/L | 2986.90479265 | 0.00171222 | 1.24478224 | 36.98115761 | 1.24 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343 |
| P 177.434 | P | n | 1.39428076 | 1.39428076 | mg/L | 234.26683969 | 0.02718221 | 1.94955040 | 4.55970466 | 1.95 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593 |
| Pb 220.353 | Pb | n | 4.30368647 | 4.30368647 | mg/L | 46035.86586010 | 0.01657921 | 0.38523279 | 176.82988634 | 0.38 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759 |
| S 181.972 | S | n | 4.24862954 | 4.24862954 | mg/L | 5968.53941209 | 0.01414920 | 0.33302977 | 19.35885494 | 0.32 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942 |
| Sb 206.834 | Sb | n | 0.00754629 | 0.00754629 | mg/L | 30.18740650 | 0.00194697 | 25.80037318 | 7.89431083 | 26.15 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641 |
| Se 196.026 | Se | n | 0.01559528 | 0.01559528 | mg/L | 63.62483087 | 0.00257932 | 16.53907988 | 10.89389693 | 17.12 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595 |
| Si 251.611 | Si | n | 7.74317101 | 7.74317101 | mg/L | 35866.56635433 | 0.04883067 | 0.63062880 | 225.95813651 | 0.63 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817 |
| Sn 189.925 | Sn | n | 0.10132997 | 0.10132997 | mg/L | 1216.62917056 | 0.00086750 | 0.85611137 | 10.18767236 | 0.84 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749 |
| Sr 421.552 | Sr-R | n | 0.02729735 | 0.02729735 | mg/L | 6995.91645996 | 0.00002565 | 0.09396179 | 6.49129277 | 0.09 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94 |
| Ti 334.941 | Ti | n | 0.34900509 | 0.34900509 | mg/L | 90913.04971942 | 0.04539166 | 13.00601533 | 11821.88916927 | 13.00 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90 |
| Tl 190.794 | Tl | nu | -0.00042425 | -0.00042425 | mg/L | 2.33974054 | 0.00056705 | 133.65855534 | 2.91184571 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647 |
| V 292.401 | V | n | 0.01608388 | 0.01608388 | mg/L | 332.00463319 | 0.00041057 | 2.55269063 | 14.94853804 | 4.50 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080 |
| Zn 206.200 | Zn | n | 13.68286162 | 13.68286162 | mg/L | 532821.49130890 | 0.03985727 | 0.29129338 | 1548.70271002 | 0.29 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215 |
| Y 371.029 | Y | | 0.89 | 0.89 | Ratio | 228579.04 | 0.01 | 1.57 | 3585.84 | 1.57 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.91 | 0.91 | Ratio | 38694.06 | 0.01 | 0.79 | 304.44 | 0.79 | | - | - | - | Fitted | - | - |

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | 502501-023 | Client ID: | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-DUP-LA |
| Seqnum: | 794068193142 | Matrix: | Wipe | Acct: | RINCON-BERK (JG) |
| File: | icp data | Batch: | 333243 | Time: | 16-FEB-2024 16:44 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 4.240 | 210 | 0.50 | | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | SAMPLE Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 229135 | -11.23 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | 502501-023,333243 | Rack:Tube: | 2:46 | Type: | Sample |
| Date Time: | 2/16/2024 4:44:19 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 Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | 0.00004815 | 0.00004815 | mg/L | 25.97755296 | 0.00017320 | 359.71307969 | 9.98521363 | 38.44 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065 |
| Al 396.152 | Al | n | 2.91868083 | 2.91868083 | mg/L | 143724.98175082 | 0.01059359 | 0.36295821 | 519.89329771 | 0.36 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206 |
| As 188.980 | As | n | 0.08762800 | 0.08762800 | mg/L | 441.10454517 | 0.00139920 | 1.59674689 | 7.13057656 | 1.62 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904 |
| B 249.678 | B | n | 0.02531159 | 0.02531159 | mg/L | 780.95376389 | 0.00054924 | 2.16991904 | 21.48597873 | 2.75 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404 |
| Ba 230.424 | Ba | n | 0.01865706 | 0.01865706 | mg/L | 2549.50001834 | 0.00010820 | 0.57995920 | 14.56768644 | 0.57 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53 |
| Be 313.107 | Be | n | 0.00002468 | 0.00002468 | mg/L | 18.09829482 | 0.00000840 | 34.03749394 | 11.55093035 | 63.82 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5 |
| Ca 317.933 | Ca-R | n | 14.67327917 | 14.67327917 | mg/L | 110488.77867182 | 0.07814877 | 0.53259244 | 583.09461736 | 0.53 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404 |
| Cd 214.439 | Cd | nu | -0.00033427 | -0.00033427 | mg/L | 631.31722006 | 0.00004550 | 13.61260769 | 9.89768607 | 1.57 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31 |
| Co 230.786 | Co | n | 0.02278757 | 0.02278757 | mg/L | 1265.57309234 | 0.00011816 | 0.51854063 | 6.14440007 | 0.49 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438 |
| Cr 267.716 | Cr | n | 0.09019097 | 0.09019097 | mg/L | 4774.10494037 | 0.00068173 | 0.75587431 | 36.32208986 | 0.76 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259 |
| Cu 324.754 | Cu | n | 1.07927792 | 1.07927792 | mg/L | 59283.81699304 | 0.00341965 | 0.31684608 | 184.44984951 | 0.31 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228 |
| Fe 259.940 | Fe | no | 129.07617720 | 129.07617720 | mg/L | 5562658.31859209 | 1.72191457 | 1.33402973 | 74207.23379075 | 1.33 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769 |
| K 766.491 | K-R | n | 4.09300913 | 4.09300913 | mg/L | 2657.64204558 | 0.04958028 | 1.21134065 | 34.02095327 | 1.28 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908 |
| Li 670.783 | Li-R | n | 0.00447116 | 0.00447116 | mg/L | 179.81787708 | 0.00066102 | 14.78418456 | 35.40935493 | 19.69 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369 |
| Mg 279.800 | Mg-R | n | 4.84460669 | 4.84460669 | mg/L | 3120.96462260 | 0.02277522 | 0.47011494 | 14.57344882 | 0.47 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180 |
| Mn 257.610 | Mn | n | 0.77872945 | 0.77872945 | mg/L | 281660.99294652 | 0.00727092 | 0.93369009 | 2625.80191485 | 0.93 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52 |
| Mo 204.598 | Mo | n | 0.00582279 | 0.00582279 | mg/L | 89.89594199 | 0.00073329 | 12.59338942 | 11.12215658 | 12.37 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542 |
| Na 589.592 | Na-R | n | 2.36920006 | 2.36920006 | mg/L | 11438.39503836 | 0.00742406 | 0.31335731 | 35.95503235 | 0.31 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406 |
| Ni 231.604 | Ni | n | 0.96560919 | 0.96560919 | mg/L | 20876.43082018 | 0.00836954 | 0.86676318 | 180.76830852 | 0.87 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343 |
| P 177.434 | P | n | 1.33337888 | 1.33337888 | mg/L | 223.77030611 | 0.01691138 | 1.26831018 | 2.83681532 | 1.27 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593 |
| Pb 220.353 | Pb | n | 4.23987760 | 4.23987760 | mg/L | 45363.22674623 | 0.01203044 | 0.28374489 | 128.31373938 | 0.28 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759 |
| S 181.972 | S | n | 4.06329960 | 4.06329960 | mg/L | 5714.91240463 | 0.02788525 | 0.68627106 | 38.15243674 | 0.67 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942 |
| Sb 206.834 | Sb | n | 0.04804300 | 0.04804300 | mg/L | 199.10415728 | 0.00493235 | 10.26652808 | 19.99901460 | 10.04 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641 |
| Se 196.026 | Se | n | 0.01403865 | 0.01403865 | mg/L | 51.83385154 | 0.00164570 | 11.72260986 | 6.95069792 | 13.41 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595 |
| Si 251.611 | Si | n | 5.69043913 | 5.69043913 | mg/L | 26369.17085349 | 0.03672143 | 0.64531799 | 169.92406400 | 0.64 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817 |
| Sn 189.925 | Sn | n | 0.14274072 | 0.14274072 | mg/L | 1703.49221236 | 0.00064602 | 0.45258475 | 7.58672894 | 0.45 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749 |
| Sr 421.552 | Sr-R | n | 0.02411921 | 0.02411921 | mg/L | 6187.35114800 | 0.00023548 | 0.97632022 | 59.59567756 | 0.96 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94 |
| Ti 334.941 | Ti | n | 0.18470094 | 0.18470094 | mg/L | 48120.06451589 | 0.03027752 | 16.39272563 | 7885.53441976 | 16.39 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90 |
| Tl 190.794 | Tl | nu | -0.00032980 | -0.00032980 | mg/L | 3.00747993 | 0.00146825 | 445.19284139 | 7.53954421 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647 |
| V 292.401 | V | n | 0.01248919 | 0.01248919 | mg/L | 147.15796814 | 0.00014781 | 1.18347715 | 5.38150490 | 3.66 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080 |
| Zn 206.200 | Zn | no | 77.21681251 | 77.21681251 | mg/L | 3001752.08018054 | 0.59087129 | 0.76521067 | 22959.02238367 | 0.76 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215 |
| Y 371.029 | Y | | 0.89 | 0.89 | Ratio | 229134.73 | 0.01 | 1.46 | 3355.16 | 1.46 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.90 | 0.90 | Ratio | 38291.07 | 0.01 | 0.61 | 233.60 | 0.61 | | - | - | - | Fitted | - | - |

ENTHALPY BLANK USER REPORT FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | QC1128899 | | |
| Seqnum: | 794068193155.2 | Matrix: | Wipe | | |
| File: | icp data | Batch: | 333242 | Time: | 16-FEB-2024 17:24 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | -0.005352 | ND | 0.50 | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BLANK Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 230844 | -10.57 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | BLANK,QC1128899,333242 | Rack:Tube: | 2:57 | Type: | Sample |
| Date Time: | 2/16/2024 5:24:53 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 | 0.00352058 | 0.00352058 | mg/L | 232.87755268 | 0.00063119 | 17.92861182 | 36.38818515 | 15.63 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.01194911 | 0.01194911 | mg/L | 628.49422921 | 0.00050685 | 4.24172743 | 24.87420139 | 3.96 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00329087 | 0.00329087 | mg/L | 14.13129255 | 0.00035274 | 10.71882324 | 1.79764488 | 12.72 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00289198 | 0.00289198 | mg/L | 138.78106459 | 0.00014033 | 4.85240492 | 5.48964639 | 3.96 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 0.00043302 | 0.00043302 | mg/L | 91.19256080 | 0.00004244 | 9.80114062 | 5.71387498 | 6.27 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00004003 | 0.00004003 | mg/L | 38.86478822 | 0.00000735 | 18.36925259 | 10.11091400 | 26.02 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 0.03178583 | 0.03178583 | mg/L | 1178.93862005 | 0.00170666 | 5.36924242 | 12.73395926 | 1.08 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.00034937 | 0.00034937 | mg/L | 102.18651941 | 0.00002270 | 6.49709176 | 4.93737855 | 4.83 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | nu | 0.00011453 | 0.00011453 | mg/L | 24.40315278 | 0.00023037 | 201.13599291 | 11.97913571 | 49.09 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00041253 | 0.00041253 | mg/L | -16.87395325 | 0.00015584 | 37.77697584 | 8.30317471 | 49.21 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nu | 0.00119069 | 0.00119069 | mg/L | 1337.16689260 | 0.00161210 | 135.39167016 | 86.95375304 | 6.50 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.01803832 | 0.01803832 | mg/L | 792.39373357 | 0.00044553 | 2.46990033 | 19.20039010 | 2.42 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.42427477 | 0.42427477 | mg/L | 117.58093373 | 0.06798667 | 16.02420758 | 46.65103102 | 39.68 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.00030362 | 0.00030362 | mg/L | -50.48429899 | 0.00026913 | 88.64108441 | 14.41671779 | 28.56 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.01032551 | 0.01032551 | mg/L | 2.86496368 | 0.00267558 | 25.91231130 | 1.71205430 | 59.76 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 0.00263660 | 0.00263660 | mg/L | 1024.49255100 | 0.00000608 | 0.23041751 | 2.19397773 | 0.21 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00339646 | 0.00339646 | mg/L | 50.04405798 | 0.00063731 | 18.76383401 | 9.66638173 | 19.32 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.09064438 | 0.09064438 | mg/L | 386.21095311 | 0.01596381 | 17.61147487 | 77.31339347 | 20.02 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | -0.00062811 | -0.00062811 | mg/L | -20.28806401 | 0.00003036 | 4.83342815 | 0.65571421 | 3.23 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | n | 0.01768652 | 0.01768652 | mg/L | 4.69583966 | 0.00473641 | 26.77977940 | 0.79451367 | 16.92 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nu | -0.00535247 | -0.00535247 | mg/L | 63.46430824 | 0.00151120 | 28.23361258 | 16.11805916 | 25.40 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 0.07122965 | 0.07122965 | mg/L | 248.02705695 | 0.00786231 | 11.03797508 | 10.75716817 | 4.34 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 0.00540797 | 0.00540797 | mg/L | 1.31255700 | 0.00355757 | 65.78385959 | 14.42477025 | > 100.00 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 0.00710813 | 0.00710813 | mg/L | 51.28053177 | 0.00119825 | 16.85744129 | 5.06087757 | 9.87 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 0.02298227 | 0.02298227 | mg/L | 133.32437542 | 0.00255958 | 11.13718734 | 11.84414609 | 8.88 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 0.03210236 | 0.03210236 | mg/L | 401.32119790 | 0.00014785 | 0.46055914 | 1.73631770 | 0.43 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 0.00013333 | 0.00013333 | mg/L | 72.95248554 | 0.00008323 | 62.42536917 | 21.06390547 | 28.87 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.00089877 | 0.00089877 | mg/L | 258.08420227 | 0.00010340 | 11.50448140 | 26.92939126 | 10.43 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | nu | -0.00062466 | -0.00062466 | mg/L | 0.31574747 | 0.00015792 | 25.28172648 | 0.81095189 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 0.00030821 | 0.00030821 | mg/L | 1.02083542 | 0.00009917 | 32.17492704 | 3.61051038 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.00148255 | 0.00148255 | mg/L | 108.44024566 | 0.00031901 | 21.51746136 | 12.39541909 | 11.43 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.89 | 0.89 | Ratio | 230844.08 | 0.03 | 3.26 | 7530.46 | 3.26 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.91 | 0.91 | Ratio | 38680.55 | 0.01 | 0.57 | 220.46 | 0.57 | | - | - | - | Fitted | - | - |

ENTHALPY BLANK USER REPORT FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | Lab ID: | QC1128902 | | |
| Seqnum: | 794068193132.1 | Matrix: | Wipe | | |
| File: | icp data | Batch: | 333243 | Time: | 16-FEB-2024 16:13 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | -0.006127 | ND | 0.50 | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BLANK Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 243136 | -5.81 |

*u=use*

Instrument ID: MET12

Label: BLANK,QC1128902,333243
Rack:Tube: 2:38
Type: Sample
Date Time: 2/16/2024 4:13:07 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 | -0.00003218 | -0.00003218 | mg/L | 28.05875055 | 0.00009622 | 298.95721797 | 5.54695436 | 19.77 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.00855188 | 0.00855188 | mg/L | 461.73125402 | 0.00052339 | 6.12019238 | 25.68608091 | 5.56 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00204688 | 0.00204688 | mg/L | 7.79092512 | 0.00047228 | 23.07321902 | 2.40683789 | 30.89 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00202592 | 0.00202592 | mg/L | 104.87923435 | 0.00036898 | 18.21317259 | 14.43443034 | 13.76 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 0.00302113 | 0.00302113 | mg/L | 439.63363021 | 0.00020661 | 6.83869357 | 27.81582323 | 6.33 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00002724 | 0.00002724 | mg/L | 21.28265135 | 0.00000509 | 18.69226053 | 7.00220321 | 32.90 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 0.01905381 | 0.01905381 | mg/L | 1083.94587959 | 0.00166260 | 8.72579465 | 12.40519752 | 1.14 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.00024344 | 0.00024344 | mg/L | 79.21235133 | 0.00000677 | 2.78174359 | 1.47298572 | 1.86 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | nu | 0.00011775 | 0.00011775 | mg/L | 24.57649326 | 0.00026938 | 228.76832417 | 14.00783722 | 57.00 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00047243 | 0.00047243 | mg/L | -13.68405648 | 0.00009131 | 19.32758336 | 4.86486492 | 35.55 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nu | 0.00066335 | 0.00066335 | mg/L | 1308.69723868 | 0.00086370 | 130.20253811 | 46.58618762 | 3.56 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.03290449 | 0.03290449 | mg/L | 1433.05687392 | 0.00081195 | 2.46760241 | 34.99169438 | 2.44 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.38707824 | 0.38707824 | mg/L | 92.05934743 | 0.03568878 | 9.22004401 | 24.48889728 | 26.60 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.00077148 | 0.00077148 | mg/L | -25.42177232 | 0.00082431 | 106.84788147 | 44.15611900 | > 100.00 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.01142030 | 0.01142030 | mg/L | 3.56791358 | 0.00375359 | 32.86771090 | 2.40185566 | 67.32 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 0.01483979 | 0.01483979 | mg/L | 5431.55164479 | 0.00031561 | 2.12676350 | 113.97760970 | 2.10 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00190041 | 0.00190041 | mg/L | 27.34983149 | 0.00022793 | 11.99349599 | 3.45706655 | 12.64 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.09176504 | 0.09176504 | mg/L | 391.63923474 | 0.00935091 | 10.19006223 | 45.28685967 | 11.56 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | -0.00032447 | -0.00032447 | mg/L | -13.72721231 | 0.00011801 | 36.37093931 | 2.54886285 | 18.57 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | n | 0.01423839 | 0.01423839 | mg/L | 4.11733450 | 0.00414420 | 29.10585252 | 0.69517329 | 16.88 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nu | -0.00612666 | -0.00612666 | mg/L | 55.23071474 | 0.00151113 | 24.66489461 | 16.11740079 | 29.18 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 0.07028261 | 0.07028261 | mg/L | 246.72757603 | 0.00245512 | 3.49320530 | 3.35907547 | 1.36 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 0.00712858 | 0.00712858 | mg/L | 8.29255122 | 0.00220786 | 30.97196730 | 8.95213051 | > 100.00 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 0.00511462 | 0.00511462 | mg/L | 42.85774556 | 0.00180078 | 35.20847509 | 7.60569432 | 17.75 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 0.05968202 | 0.05968202 | mg/L | 303.14758142 | 0.02366344 | 39.64918795 | 109.49976269 | 36.12 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 0.03837985 | 0.03837985 | mg/L | 475.04292982 | 0.00228916 | 5.96448184 | 26.88331030 | 5.66 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 0.00022322 | 0.00022322 | mg/L | 95.66107465 | 0.00004436 | 19.87164957 | 11.22593048 | 11.74 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.00092750 | 0.00092750 | mg/L | 265.56796820 | 0.00001913 | 2.06224480 | 4.98157324 | 1.88 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | nu | -0.00060939 | -0.00060939 | mg/L | 0.39421485 | 0.00044808 | 73.53001019 | 2.30093096 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | nu | 0.00031900 | 0.00031900 | mg/L | 1.38222560 | 0.00031608 | 99.08655788 | 11.50831055 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.00413347 | 0.00413347 | mg/L | 211.57742134 | 0.00021807 | 5.27564018 | 8.47325066 | 4.00 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.94 | 0.94 | Ratio | 243135.57 | 0.01 | 1.43 | 3482.58 | 1.43 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.96 | 0.96 | Ratio | 41024.27 | 0.01 | 1.46 | 599.84 | 1.46 | | - | - | - | Fitted | - | - |

ENTHALPY SPIKE USER REPORT FOR 502501 METALS Wipe

EPA 6010B

| | | | |
|---|---|---|---|
| Type: | BS | Type: | BSD |
| Inst: | MET12 | Inst: | MET12 |
| Seqnum: | 794068193156.2 | Seqnum: | 794068193157.2 |
| File: | icp data | File: | icp data |
| IDF: | 1.0 | IDF: | 1.0 |
| Lab ID: | QC1128900 | Lab ID: | QC1128901 |
| Matrix: | Wipe | Matrix: | Wipe |
| Batch: | 333242 | Batch: | 333242 |
| Time: | 16-FEB-2024 17:28 | Time: | 16-FEB-2024 17:31 |
| Cal: | 794068193001 | Cal: | 794068193001 |
| Units: | ug/ft2 | | |

- BS: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lead** | 50.00 | 1.159 | 57.97 | A | 116 | 1.160 | 57.98 | A | 116 | 80-120 | 0 | 20 | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BS Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 232343 | -9.99 |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BSD Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 233283 | -9.63 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | BS,QC1128900,333242 | Rack:Tube: | 2:58 | Type: | Sample |
| Date Time: | 2/16/2024 5:28:00 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | 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 | 0.51784379 | 0.51784379 | mg/L | 29883.68992049 | 0.00471827 | 0.91113770 | 272.00857500 | 0.91 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 1.07432379 | 1.07432379 | mg/L | 52777.10034116 | 0.00052415 | 0.04878892 | 25.72334002 | 0.05 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206863847 |
| As 188.980 | As | n | 1.03538114 | 1.03538114 | mg/L | 5273.88163395 | 0.00576963 | 0.55724741 | 29.40315652 | 0.56 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904168595 |
| B 249.678 | B | n | 1.00329303 | 1.00329303 | mg/L | 39271.63827831 | 0.00255693 | 0.25485327 | 100.02538819 | 0.25 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404137855 |
| Ba 230.424 | Ba | n | 1.19572736 | 1.19572736 | mg/L | 161017.17579582 | 0.00897239 | 0.75037059 | 1207.97511335 | 0.75 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53294945 |
| Be 313.107 | Be | n | 1.14302144 | 1.14302144 | mg/L | 1571622.91985041 | 0.00684058 | 0.59846506 | 9405.71080754 | 0.60 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 1.16253758 | 1.16253758 | mg/L | 9616.98907698 | 0.00241617 | 0.20783561 | 18.02784488 | 0.19 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404796833 |
| Cd 214.439 | Cd | n | 1.12517201 | 1.12517201 | mg/L | 244778.30443487 | 0.00149101 | 0.13251355 | 324.32245895 | 0.13 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31404536 |
| Co 230.786 | Co | n | 1.18991168 | 1.18991168 | mg/L | 61893.73769390 | 0.00613230 | 0.51535791 | 318.87636044 | 0.52 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438487493 |
| Cr 267.716 | Cr | n | 1.13499273 | 1.13499273 | mg/L | 60432.89932722 | 0.00395272 | 0.34825940 | 210.59793865 | 0.35 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259992708 |
| Cu 324.754 | Cu | n | 1.08963764 | 1.08963764 | mg/L | 60045.21785253 | 0.00565381 | 0.51887034 | 304.95630513 | 0.51 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228353279 |
| Fe 259.940 | Fe | n | 1.19172529 | 1.19172529 | mg/L | 51374.38953179 | 0.00266586 | 0.22369765 | 114.88735350 | 0.22 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769666689 |
| K 766.491 | K-R | n | 10.18833267 | 10.18833267 | mg/L | 6817.78949148 | 0.05726629 | 0.56207720 | 39.29493363 | 0.58 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908051995 |
| Li 670.783 | Li-R | n | 1.09867209 | 1.09867209 | mg/L | 58786.45275991 | 0.00345497 | 0.31446776 | 185.07363008 | 0.31 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369574505 |
| Mg 279.800 | Mg-R | n | 1.08861551 | 1.08861551 | mg/L | 693.04355280 | 0.00833132 | 0.76531346 | 5.33106074 | 0.77 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180869198 |
| Mn 257.610 | Mn | n | 1.18914293 | 1.18914293 | mg/L | 429520.42875293 | 0.00330263 | 0.27773191 | 1192.70336996 | 0.28 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52440724 |
| Mo 204.598 | Mo | n | 1.13871090 | 1.13871090 | mg/L | 17270.32113252 | 0.00269322 | 0.23651480 | 40.84952600 | 0.24 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542626122 |
| Na 589.592 | Na-R | n | 11.85093561 | 11.85093561 | mg/L | 57342.01073246 | 0.01952186 | 0.16472846 | 94.54518278 | 0.16 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669688 |
| Ni 231.604 | Ni | n | 1.16857138 | 1.16857138 | mg/L | 25232.75905665 | 0.00055593 | 0.04757350 | 12.00717290 | 0.05 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343721480 |
| P 177.434 | P | n | 0.01953926 | 0.01953926 | mg/L | 4.98900664 | 0.01636613 | 83.76023789 | 2.74535192 | 55.03 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593755069 |
| Pb 220.353 | Pb | n | 1.15947268 | 1.15947268 | mg/L | 12485.07266604 | 0.00411146 | 0.35459744 | 43.85184988 | 0.35 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759853557 |
| S 181.972 | S | n | 0.05568724 | 0.05568724 | mg/L | 227.24435949 | 0.00477975 | 8.58321022 | 6.53963058 | 2.88 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942178861 |
| Sb 206.834 | Sb | n | 1.08465058 | 1.08465058 | mg/L | 4377.37628410 | 0.00369249 | 0.34043097 | 14.97179288 | 0.34 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641719502 |
| Se 196.026 | Se | n | 0.93274720 | 0.93274720 | mg/L | 3960.57431951 | 0.00853118 | 0.91462925 | 36.03194130 | 0.91 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595685064 |
| Si 251.611 | Si | n | 5.46296351 | 5.46296351 | mg/L | 25306.51052602 | 0.02086968 | 0.38202127 | 96.57198866 | 0.38 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817915178 |
| Sn 189.925 | Sn | n | 0.02918310 | 0.02918310 | mg/L | 367.06224648 | 0.00012190 | 0.41769395 | 1.43151644 | 0.39 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749696099 |
| Sr 421.552 | Sr-R | n | 1.17786041 | 1.17786041 | mg/L | 298135.93677861 | 0.00204460 | 0.17358612 | 517.44985471 | 0.17 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94887848 |
| Ti 334.941 | Ti | n | 1.15390228 | 1.15390228 | mg/L | 300548.63758892 | 0.00657371 | 0.56969375 | 1712.06932946 | 0.57 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90474216 |
| Tl 190.794 | Tl | n | 1.15205443 | 1.15205443 | mg/L | 5919.42118948 | 0.00645454 | 0.56026389 | 33.14450629 | 0.56 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647452755 |
| V 292.401 | V | n | 1.15075644 | 1.15075644 | mg/L | 41885.54171000 | 0.00374114 | 0.32510265 | 136.21145699 | 0.33 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080232261 |
| Zn 206.200 | Zn | n | 1.11457372 | 1.11457372 | mg/L | 43370.12699992 | 0.00139685 | 0.12532614 | 54.27638984 | 0.13 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215949941 |
| Y 371.029 | Y | | 0.90 | 0.90 | Ratio | 232342.66 | 0.02 | 2.55 | 5919.80 | 2.55 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.92 | 0.92 | Ratio | 39177.12 | 0.00 | 0.08 | 31.01 | 0.08 | | - | - | - | Fitted | - | - |

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | BSD,QC1128901,333242 | **Rack:Tube:** | 2:59 | **Type:** | Sample |
| **Date Time:** | 2/16/2024 5:31:07 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 | 0.51618878 | 0.51618878 | mg/L | 29788.27528725 | 0.00466010 | 0.90278955 | 268.65497612 | 0.90 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.0655553 |
| Al 396.152 | Al | n | 1.08397892 | 1.08397892 | mg/L | 53250.98025182 | 0.00257739 | 0.23777131 | 126.48856775 | 0.24 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638 |
| As 188.980 | As | n | 1.03413234 | 1.03413234 | mg/L | 5267.51775293 | 0.00271908 | 0.26293302 | 13.85692608 | 0.26 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190416859 |
| B 249.678 | B | n | 1.00163801 | 1.00163801 | mg/L | 39206.83617335 | 0.00628512 | 0.62748410 | 245.87011880 | 0.63 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378 |
| Ba 230.424 | Ba | n | 1.19088859 | 1.19088859 | mg/L | 160365.72787791 | 0.00811859 | 0.68172568 | 1093.02678560 | 0.68 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949 |
| Be 313.107 | Be | n | 1.14202392 | 1.14202392 | mg/L | 1570251.34921407 | 0.00904469 | 0.79198738 | 12436.32063167 | 0.79 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.540213 |
| Ca 317.933 | Ca-R | n | 1.15290936 | 1.15290936 | mg/L | 9545.16534465 | 0.01659784 | 1.43964856 | 123.84215830 | 1.30 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340479683 |
| Cd 214.439 | Cd | n | 1.12166759 | 1.12166759 | mg/L | 244016.24823237 | 0.00238484 | 0.21261546 | 518.74847965 | 0.21 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045 |
| Co 230.786 | Co | n | 1.18234704 | 1.18234704 | mg/L | 61500.40126024 | 0.00544638 | 0.46064147 | 283.20874643 | 0.46 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874 |
| Cr 267.716 | Cr | n | 1.13287583 | 1.13287583 | mg/L | 60320.11531441 | 0.00627208 | 0.55364219 | 334.17170512 | 0.55 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927 |
| Cu 324.754 | Cu | n | 1.09217822 | 1.09217822 | mg/L | 60182.18979999 | 0.00629287 | 0.57617594 | 339.42616022 | 0.56 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532 |
| Fe 259.940 | Fe | n | 1.24646043 | 1.24646043 | mg/L | 53733.24109816 | 0.00636894 | 0.51096225 | 274.47446782 | 0.51 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666 |
| K 766.491 | K-R | n | 10.31642695 | 10.31642695 | mg/L | 6905.69430500 | 0.09933390 | 0.96287115 | 68.16084327 | 0.99 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519 |
| Li 670.783 | Li-R | n | 1.11049123 | 1.11049123 | mg/L | 59419.57261727 | 0.00385364 | 0.34702084 | 206.42914642 | 0.35 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745 |
| Mg 279.800 | Mg-R | n | 1.08130327 | 1.08130327 | mg/L | 688.37270229 | 0.01912322 | 1.76853443 | 12.23660098 | 1.78 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691 |
| Mn 257.610 | Mn | n | 1.18770991 | 1.18770991 | mg/L | 429003.01877194 | 0.00567712 | 0.47798865 | 2050.22053794 | 0.48 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407 |
| Mo 204.598 | Mo | n | 1.14091531 | 1.14091531 | mg/L | 17303.76616566 | 0.00659802 | 0.57830911 | 100.07570756 | 0.58 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261 |
| Na 589.592 | Na-R | n | 11.96446031 | 11.96446031 | mg/L | 57891.82045583 | 0.05517131 | 0.46112663 | 267.19690975 | 0.46 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669688 |
| Ni 231.604 | Ni | n | 1.16654300 | 1.16654300 | mg/L | 25188.95769051 | 0.00485622 | 0.41629160 | 104.88632093 | 0.42 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214 |
| P 177.434 | P | n | 0.01212806 | 0.01212806 | mg/L | 3.74511076 | 0.00891301 | 73.49079731 | 1.49512076 | 39.92 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550 |
| Pb 220.353 | Pb | n | 1.15969220 | 1.15969220 | mg/L | 12487.36129936 | 0.00392870 | 0.33877131 | 41.90261808 | 0.34 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535 |
| S 181.972 | S | n | 0.05004507 | 0.05004507 | mg/L | 219.53373270 | 0.00299979 | 5.99417167 | 4.10429202 | 1.87 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194217886 |
| Sb 206.834 | Sb | n | 1.08343108 | 1.08343108 | mg/L | 4372.43820654 | 0.00158387 | 0.14618988 | 6.42204698 | 0.15 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664171950 |
| Se 196.026 | Se | n | 0.93101943 | 0.93101943 | mg/L | 3953.26767415 | 0.00694641 | 0.74610829 | 29.33858946 | 0.74 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559568506 |
| Si 251.611 | Si | n | 5.46837087 | 5.46837087 | mg/L | 25331.53617683 | 0.01082459 | 0.19794915 | 50.08952817 | 0.20 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381791517 |
| Sn 189.925 | Sn | n | 0.03080394 | 0.03080394 | mg/L | 386.09736675 | 0.00015124 | 0.49098913 | 1.77617175 | 0.46 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960 |
| Sr 421.552 | Sr-R | n | 1.18701975 | 1.18701975 | mg/L | 300453.97856531 | 0.00623025 | 0.52486527 | 1576.75870317 | 0.52 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878 |
| Ti 334.941 | Ti | n | 1.15064030 | 1.15064030 | mg/L | 299699.07791446 | 0.01242127 | 1.07950903 | 3235.01814252 | 1.08 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742 |
| Tl 190.794 | Tl | n | 1.15314849 | 1.15314849 | mg/L | 5925.03948448 | 0.00261562 | 0.22682386 | 13.43135701 | 0.23 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064745275 |
| V 292.401 | V | n | 1.15106791 | 1.15106791 | mg/L | 41896.78325554 | 0.00579010 | 0.50301974 | 210.81217243 | 0.50 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322 |
| Zn 206.200 | Zn | n | 1.11177868 | 1.11177868 | mg/L | 43261.96606352 | 0.00151161 | 0.13596294 | 58.73532652 | 0.14 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499 |
| Y 371.029 | Y | | 0.90 | 0.90 | Ratio | 233282.50 | 0.02 | 2.40 | 5591.38 | 2.40 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.91 | 0.91 | Ratio | 38768.49 | 0.00 | 0.46 | 176.63 | 0.46 | | - | - | - | Fitted | - | - |

ENTHALPY SPIKE USER REPORT FOR 502501 METALS Wipe

EPA 6010B

| | | | |
|---|---|---|---|
| Type: | BS | Type: | BSD |
| Inst: | MET12 | Inst: | MET12 |
| Seqnum: | 794068193133.1 | Seqnum: | 794068193134.1 |
| File: | icp data | File: | icp data |
| IDF: | 1.0 | IDF: | 1.0 |
| Lab ID: | QC1128903 | Lab ID: | QC1128904 |
| Matrix: | Wipe | Matrix: | Wipe |
| Batch: | 333243 | Batch: | 333243 |
| Time: | 16-FEB-2024 16:16 | Time: | 16-FEB-2024 16:19 |
| Cal: | 794068193001 | Cal: | 794068193001 |
| Units: | ug/ft2 | | |

- BS: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

| Analyte | Spiked | BS Raw | BS Result | Ch | %Rec | BSD Raw | BSD Result | Ch | %Rec | Limits | RPD | Lim | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lead** | 50.00 | 1.089 | 54.46 | A | 109 | 1.044 | 52.18 | A | 104 | 80-120 | 4 | 20 | u |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BS Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 250472 | -2.97 |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | BSD Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 246906 | -4.35 |

*u=use*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | BS,QC1128903,333243 | Rack:Tube: | 2:39 | Type: | Sample |
| Date Time: | 2/16/2024 4:16:14 PM | Weight: | 1 | Volume: | 1 |
| Dilution: | 1 | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | 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 | 0.48547006 | 0.48547006 | mg/L | 28017.33928781 | 0.00231549 | 0.47695780 | 133.48799743 | 0.48 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 1.02152522 | 1.02152522 | mg/L | 50185.22520993 | 0.00445438 | 0.43605170 | 218.60398019 | 0.44 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.206863847 |
| As 188.980 | As | n | 0.97628815 | 0.97628815 | mg/L | 4972.73091036 | 0.00135147 | 0.13842926 | 6.88734064 | 0.14 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.1904168595 |
| B 249.678 | B | n | 0.94776092 | 0.94776092 | mg/L | 37099.39291066 | 0.00317007 | 0.33448012 | 124.01132354 | 0.33 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.404137855 |
| Ba 230.424 | Ba | n | 1.11782818 | 1.11782818 | mg/L | 150529.38158855 | 0.00683752 | 0.61167935 | 920.55320175 | 0.61 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.53294945 |
| Be 313.107 | Be | n | 1.06811638 | 1.06811638 | mg/L | 1468629.47416668 | 0.00640352 | 0.59951525 | 8804.75462838 | 0.60 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 1.09019401 | 1.09019401 | mg/L | 9077.13975509 | 0.01132567 | 1.03886784 | 84.50471682 | 0.93 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.3404796833 |
| Cd 214.439 | Cd | n | 1.05041188 | 1.05041188 | mg/L | 228516.19198762 | 0.00471960 | 0.44930979 | 1026.60490675 | 0.45 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.31404536 |
| Co 230.786 | Co | n | 1.10401466 | 1.10401466 | mg/L | 57427.10624145 | 0.00514884 | 0.46637423 | 267.73677939 | 0.47 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438487493 |
| Cr 267.716 | Cr | n | 1.05629486 | 1.05629486 | mg/L | 56239.92325283 | 0.00612390 | 0.57975279 | 326.27680413 | 0.58 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.259992708 |
| Cu 324.754 | Cu | n | 1.01890523 | 1.01890523 | mg/L | 56230.08802171 | 0.00315344 | 0.30949298 | 170.09097423 | 0.30 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228353279 |
| Fe 259.940 | Fe | n | 1.12063276 | 1.12063276 | mg/L | 48310.53567636 | 0.00601333 | 0.53660089 | 259.14888556 | 0.54 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.769666689 |
| K 766.491 | K-R | n | 9.50597945 | 9.50597945 | mg/L | 6349.55322698 | 0.13485424 | 1.41862543 | 92.53415974 | 1.46 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.17908051995 |
| Li 670.783 | Li-R | n | 1.02622207 | 1.02622207 | mg/L | 54905.48184332 | 0.00946191 | 0.92201359 | 506.84946925 | 0.92 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.369574505 |
| Mg 279.800 | Mg-R | n | 1.02203678 | 1.02203678 | mg/L | 650.42856264 | 0.02071541 | 2.02687548 | 13.25541589 | 2.04 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.88180869198 |
| Mn 257.610 | Mn | n | 1.12184775 | 1.12184775 | mg/L | 405217.36870764 | 0.00550057 | 0.49031329 | 1986.46173693 | 0.49 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.52440724 |
| Mo 204.598 | Mo | n | 1.05844442 | 1.05844442 | mg/L | 16052.85272006 | 0.00470958 | 0.44495269 | 71.43270903 | 0.44 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.542626122 |
| Na 589.592 | Na-R | n | 11.12649305 | 11.12649305 | mg/L | 53833.49144566 | 0.11748746 | 1.05592536 | 568.99655808 | 1.06 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669688 |
| Ni 231.604 | Ni | n | 1.09509737 | 1.09509737 | mg/L | 23645.82528435 | 0.00444658 | 0.40604423 | 96.03875672 | 0.41 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.343721480 |
| P 177.434 | P | n | 0.01851198 | 0.01851198 | mg/L | 4.81781574 | 0.00776117 | 41.92509861 | 1.30190404 | 27.02 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.74593755069 |
| Pb 220.353 | Pb | n | 1.08910733 | 1.08910733 | mg/L | 11734.71644743 | 0.00340291 | 0.31244920 | 36.29459035 | 0.31 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.759853557 |
| S 181.972 | S | n | 0.09252560 | 0.09252560 | mg/L | 277.61457390 | 0.00593236 | 6.41159267 | 8.11662696 | 2.92 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.1942178861 |
| Sb 206.834 | Sb | n | 1.02714229 | 1.02714229 | mg/L | 4144.19389897 | 0.00201532 | 0.19620628 | 8.17143654 | 0.20 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.6641719502 |
| Se 196.026 | Se | n | 0.88965569 | 0.88965569 | mg/L | 3778.58702344 | 0.00438145 | 0.49248795 | 18.50530260 | 0.49 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.5595685064 |
| Si 251.611 | Si | n | 5.20847303 | 5.20847303 | mg/L | 24128.86584875 | 0.01008836 | 0.19369129 | 46.68268727 | 0.19 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.3817915178 |
| Sn 189.925 | Sn | n | 0.03159475 | 0.03159475 | mg/L | 395.38270419 | 0.00043773 | 1.38545302 | 5.14059572 | 1.30 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.749696099 |
| Sr 421.552 | Sr-R | n | 1.09922858 | 1.09922858 | mg/L | 278235.53664965 | 0.01920417 | 1.74705867 | 4860.20913177 | 1.75 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.94887848 |
| Ti 334.941 | Ti | n | 1.07360172 | 1.07360172 | mg/L | 279635.00160534 | 0.01165188 | 1.08530757 | 3034.63800799 | 1.09 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.90474216 |
| Tl 190.794 | Tl | n | 1.07954479 | 1.07954479 | mg/L | 5547.07803266 | 0.00504937 | 0.46773107 | 25.92882346 | 0.47 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.0647452755 |
| V 292.401 | V | n | 1.06814639 | 1.06814639 | mg/L | 38877.92439432 | 0.00477922 | 0.44743100 | 174.00693404 | 0.45 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.080232261 |
| Zn 206.200 | Zn | n | 1.04981687 | 1.04981687 | mg/L | 40853.22630145 | 0.00382242 | 0.36410320 | 148.52465464 | 0.36 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.215949941 |
| Y 371.029 | Y | | 0.97 | 0.97 | Ratio | 250471.97 | 0.01 | 1.50 | 3764.14 | 1.50 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.98 | 0.98 | Ratio | 41858.22 | 0.01 | 1.33 | 555.04 | 1.33 | | - | - | - | Fitted | - | - |

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | BSD,QC1128904,333243 | **Rack:Tube:** | 2:40 | **Type:** | Sample |
| **Date Time:** | 2/16/2024 4:19:21 PM | **Weight:** | 1 | **Volume:** | 1 |
| **Dilution:** | 1 | **%RSE limit:** | - | **Calibration Coefficient [3]:** | - |
| **LIMS ID:** | | **Customer:** | | **Customer Ref.:** | |
| **Sample Date Time:** | | **Sample Site:** | | **Description:** | |
| **Replicates:** | 3 | **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 | 0.47383729 | 0.47383729 | mg/L | 27346.70784720 | 0.01204531 | 2.54207696 | 694.41282925 | 2.54 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.0655553 |
| Al 396.152 | Al | n | 0.99563667 | 0.99563667 | mg/L | 48914.42167593 | 0.02031985 | 2.04089054 | 997.22138695 | 2.04 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638 |
| As 188.980 | As | n | 0.93877307 | 0.93877307 | mg/L | 4781.54793134 | 0.02269547 | 2.41756715 | 115.66043403 | 2.42 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190416859 |
| B 249.678 | B | n | 0.93355684 | 0.93355684 | mg/L | 36543.80448941 | 0.01580847 | 1.69335961 | 618.41810053 | 1.69 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378 |
| Ba 230.424 | Ba | n | 1.08965522 | 1.08965522 | mg/L | 146736.38074677 | 0.01196101 | 1.09768770 | 1610.34126024 | 1.10 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949 |
| Be 313.107 | Be | n | 1.05043565 | 1.05043565 | mg/L | 1444318.70235392 | 0.01551450 | 1.47695830 | 21332.22389285 | 1.48 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.540213 |
| Ca 317.933 | Ca-R | n | 1.05241514 | 1.05241514 | mg/L | 8795.22499487 | 0.00868718 | 0.82545155 | 64.81798619 | 0.74 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340479683 |
| Cd 214.439 | Cd | n | 1.01184194 | 1.01184194 | mg/L | 220126.37317823 | 0.02238965 | 2.21276148 | 4870.18102058 | 2.21 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045 |
| Co 230.786 | Co | n | 1.06183261 | 1.06183261 | mg/L | 55233.65213220 | 0.01503548 | 1.41599327 | 781.83642711 | 1.42 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874 |
| Cr 267.716 | Cr | n | 1.01644912 | 1.01644912 | mg/L | 54116.97014271 | 0.01573391 | 1.54792919 | 838.29122364 | 1.55 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927 |
| Cu 324.754 | Cu | n | 0.99467192 | 0.99467192 | mg/L | 54923.00767309 | 0.01922451 | 1.93274892 | 1036.93605095 | 1.89 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532 |
| Fe 259.940 | Fe | n | 1.08944060 | 1.08944060 | mg/L | 46966.25931264 | 0.01759996 | 1.61550439 | 758.48384811 | 1.61 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666 |
| K 766.491 | K-R | n | 9.45345845 | 9.45345845 | mg/L | 6313.50875558 | 0.10640189 | 1.12553403 | 73.01075224 | 1.16 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519 |
| Li 670.783 | Li-R | n | 1.02425243 | 1.02425243 | mg/L | 54799.96433746 | 0.00584700 | 0.57085498 | 313.20819353 | 0.57 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745 |
| Mg 279.800 | Mg-R | n | 0.97798271 | 0.97798271 | mg/L | 622.23508001 | 0.01813022 | 1.85383816 | 11.60119590 | 1.86 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691 |
| Mn 257.610 | Mn | n | 1.07662138 | 1.07662138 | mg/L | 388884.33181635 | 0.01716479 | 1.59432036 | 6198.85115554 | 1.59 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407 |
| Mo 204.598 | Mo | n | 1.02573239 | 1.02573239 | mg/L | 15556.69430553 | 0.01611563 | 1.57113376 | 244.43447107 | 1.57 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261 |
| Na 589.592 | Na-R | n | 11.12311212 | 11.12311212 | mg/L | 53817.11224175 | 0.08490077 | 0.76328252 | 411.17788410 | 0.76 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669688 |
| Ni 231.604 | Ni | n | 1.04653423 | 1.04653423 | mg/L | 22596.93504137 | 0.01960296 | 1.87313098 | 423.39140256 | 1.87 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214 |
| P 177.434 | P | n | 0.01600544 | 0.01600544 | mg/L | 4.39749717 | 0.00169894 | 10.61478946 | 0.28499096 | 6.48 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550 |
| Pb 220.353 | Pb | n | 1.04363525 | 1.04363525 | mg/L | 11249.69702829 | 0.02491770 | 2.38758708 | 265.76620752 | 2.36 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535 |
| S 181.972 | S | n | 0.07748611 | 0.07748611 | mg/L | 257.03689502 | 0.00890234 | 11.48894906 | 12.18012943 | 4.74 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194217886 |
| Sb 206.834 | Sb | n | 0.98872696 | 0.98872696 | mg/L | 3988.42845909 | 0.02163592 | 2.18826017 | 87.72638300 | 2.20 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664171950 |
| Se 196.026 | Se | n | 0.85431476 | 0.85431476 | mg/L | 3629.32665833 | 0.02200299 | 2.57551369 | 92.93095433 | 2.56 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559568506 |
| Si 251.611 | Si | n | 5.02496481 | 5.02496481 | mg/L | 23279.69702596 | 0.10917069 | 2.17256625 | 505.17446086 | 2.17 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381791517 |
| Sn 189.925 | Sn | n | 0.03180825 | 0.03180825 | mg/L | 397.88854603 | 0.00105167 | 3.30628862 | 12.35058036 | 3.10 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960 |
| Sr 421.552 | Sr-R | n | 1.09031681 | 1.09031681 | mg/L | 275980.09747875 | 0.00467649 | 0.42891119 | 1183.53073656 | 0.43 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.9488784 |
| Ti 334.941 | Ti | n | 1.03758902 | 1.03758902 | mg/L | 270255.77801366 | 0.01045141 | 1.00727876 | 2721.98613099 | 1.01 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.9047421 |
| Tl 190.794 | Tl | n | 1.04434233 | 1.04434233 | mg/L | 5366.31041539 | 0.02268737 | 2.17240730 | 116.50110900 | 2.17 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064745275 |
| V 292.401 | V | n | 1.03411622 | 1.03411622 | mg/L | 37638.96342751 | 0.01540087 | 1.48927872 | 560.73160964 | 1.49 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322 |
| Zn 206.200 | Zn | n | 1.00273552 | 1.00273552 | mg/L | 39023.59178544 | 0.02801939 | 2.79429520 | 1088.72748487 | 2.79 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499 |
| Y 371.029 | Y | | 0.96 | 0.96 | Ratio | 246905.65 | 0.04 | 4.28 | 10578.26 | 4.28 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.95 | 0.95 | Ratio | 40711.99 | 0.00 | 0.42 | 169.91 | 0.42 | | - | - | - | Fitted | - | - |

ENTHALPY INITIAL CALIBRATION FOR 502501 METALS Wipe: EPA 6010B

| | | | |
|---|---|---|---|
| Instrument: | MET12 | | |
| Calibration #: | 794068193001 | Date: | 16-FEB-2024 08:33 |
| Units: | mg/L | X Axis: | R |

| Level | File | Seqnum | Sample ID | Analyzed | Standards |
|---|---|---|---|---|---|
| L1 | icp data | 794068193002 | L1 | 16-FEB-2024 08:36 | S19988 |
| L2 | icp data | 794068193003 | L2 | 16-FEB-2024 08:39 | S19987 |
| L3 | icp data | 794068193004 | L3 | 16-FEB-2024 08:42 | S19986 |
| L4 | icp data | 794068193005 | L4 | 16-FEB-2024 08:45 | S19985 |
| L5 | icp data | 794068193006 | L5 | 16-FEB-2024 08:48 | S19984 |
| L6 | icp data | 794068193007 | L6 | 16-FEB-2024 08:51 | S19983 |

| Analyte | Ch | Type | a0 | a1 | a2 | Avg RF | $r^2$ | %RSD | n | Min $r^2$ | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | WB1K | -0.0033 | 9.50E-5 | | 12836 | 1.000 | | 7 | 0.995 | |

*Instrument amount = a0 + (response × a1) + (response² × a2)*
*WB1K: Linear regression with ICALBLK weighting factor of 1000*

| Analyte | Ch | L1 RF | L2 RF | L3 RF | L4 RF | L5 RF | L6 RF |
|---|---|---|---|---|---|---|---|
| Lead | A | 20790 | 13174 | 11193 | 10882 | 10427 | 10549 |

| Spiked Amounts / Drifts | Ch | L1 | %D | L2 | %D | L3 | %D | L4 | %D | L5 | %D | L6 | %D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 0.0033 | -2 | 0.0100 | -8 | 0.1000 | 3 | 1.0000 | 3 | 5.0000 | -1 | 10.000 | 0 |

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 502501 METALS Wipe
EPA 6010B

| | | | |
|---|---|---|---|
| Inst: | MET12 | | |
| Calnum: | 794068193001 | Cal Date: | 16-FEB-2024 |

- ICV 794068193011 (16-FEB-2024) stds: S19980

| Analyte | Ch | Spiked | Quant | Units | %D | Max | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 0.9515 | mg/L | -5 | 10 | |

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | ICALBLK | **Rack:Tube:** | S1:1 | **Type:** | BLK |
| **Date Time:** | 2/16/2024 8:33:16 AM | **Weight:** | - | **Volume:** | - |
| **Dilution:** | - | **%RSE limit:** | - | **Calibration Coefficient [3]:** | - |
| **LIMS ID:** | | **Customer:** | | **Customer Ref.:** | |
| **Sample Date Time:** | | **Sample Site:** | | **Description:** | |
| **Replicates:** | 3 | **Flags Replicate 1:** | | **Flags Replicate 2:** | |
| **Flags Replicate 3:** | | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentrati Replicate 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n! | 0.00000000 | 0.00000000 | mg/L | 29.91528711 | - | - | 8.03099735 | 26.85 | | Y (371.029 nm) | Linear | - | Fitted | - | - | 0.00000 |
| Al 396.152 | Al | n! | 0.00000000 | 0.00000000 | mg/L | 103.49593635 | - | - | 16.95892944 | 16.39 | 8.70534478 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 66.9650125173221 | 47129.8067940647 | 0.00000 |
| As 188.980 | As | n! | 0.00000000 | 0.00000000 | mg/L | 4.17063247 | - | - | 2.73537105 | 65.59 | 19.06710582 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.04387065084046 | 4986.93691781961 | 0.00000 |
| B 249.678 | B | n! | 0.00000000 | 0.00000000 | mg/L | 52.46049904 | - | - | 5.65269657 | 10.78 | 3.80910482 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 37.0356679578704 | 37795.1365216501 | 0.00000 |
| Ba 230.424 | Ba | n! | 0.00000000 | 0.00000000 | mg/L | 33.72445041 | - | - | 2.68794537 | 7.97 | 2.48346065 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 32.8737524895101 | 134649.398548009 | 0.00000 |
| Be 313.107 | Be | n! | 0.00000000 | 0.00000000 | mg/L | 12.70786589 | - | - | 3.82534852 | 30.10 | 5.25540014 | Y (371.029 nm) | Linear | 0.99999 | Fitted | -13.4553852656251 | 1365011.45341593 | 0.00000 |
| Ca 317.933 | Ca-R | n! | 0.00000000 | 0.00000000 | mg/L | 970.67982794 | - | - | 6.40197569 | 0.66 | 4.23930830 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 942.675700760523 | 7439.15249407719 | 0.00000 |
| Cd 214.439 | Cd | n! | 0.00000000 | 0.00000000 | mg/L | 32.16794563 | - | - | 8.04738244 | 25.02 | 3.59343177 | Y (371.029 nm) | Linear | 0.99993 | Fitted | 24.2091788139777 | 218662.180211215 | 0.00000 |
| Co 230.786 | Co | n! | 0.00000000 | 0.00000000 | mg/L | 18.97866465 | - | - | 0.72498269 | 3.82 | 5.79720720 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 18.3500031426101 | 52084.8075859641 | 0.00000 |
| Cr 267.716 | Cr | n! | 0.00000000 | 0.00000000 | mg/L | -26.49825056 | - | - | 8.88807193 | 33.54 | 1.67658795 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | -38.6944770693245 | 53253.6465072394 | 0.00000 |
| Cu 324.754 | Cu | n! | 0.00000000 | 0.00000000 | mg/L | 1317.15795347 | - | - | 12.25374945 | 0.93 | 3.38586953 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 1290.58883055837 | 51102.2750814203 | 0.00000 |
| Fe 259.940 | Fe | n! | 0.00000000 | 0.00000000 | mg/L | 20.75881543 | - | - | 1.83515905 | 8.84 | 2.15447504 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 14.5314725665531 | 43171.6813944767 | 0.00000 |
| K 766.491 | K-R | n! | 0.00000000 | 0.00000000 | mg/L | -6.15921909 | - | - | 30.00903627 | > 100.00 | 72.72122687 | Y-R (371.029 nm) | Linear | 0.99999 | Fitted | -57.551385949253 | 649.340016287053 | 0.00000 |
| Li 670.783 | Li-R | n! | 0.00000000 | 0.00000000 | mg/L | 0.00000000 | - | - | 19.25860697 | > 100.00 | 3.14705336 | Y-R (371.029 nm) | Linear | 0.99999 | FACT | -50.4976423467627 | 50839.7387605064 | 0.00000 |
| Mg 279.800 | Mg-R | n! | 0.00000000 | 0.00000000 | mg/L | 3.93212047 | - | - | 2.77359721 | 70.54 | 7.19089297 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -4.16361724259883 | 641.847435422844 | 0.00000 |
| Mn 257.610 | Mn | n! | 0.00000000 | 0.00000000 | mg/L | 71.81405490 | - | - | 3.15057889 | 4.39 | 2.65484276 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 70.7865612515667 | 365079.590171499 | 0.00000 |
| Mo 204.598 | Mo | n! | 0.00000000 | 0.00000000 | mg/L | 9.04419613 | - | - | 3.66164294 | 40.49 | 4.47991740 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 0.616867608628638 | 15019.3421190233 | 0.00000 |
| Na 589.592 | Na-R | n! | 0.00000000 | 0.00000000 | mg/L | 26.26361334 | - | - | 13.03843122 | 49.64 | 4.39319644 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -32.4679058627487 | 4688.67042590267 | 0.00000 |
| Ni 231.604 | Ni | n! | 0.00000000 | 0.00000000 | mg/L | -2.72399826 | - | - | 4.65607876 | > 100.00 | 2.70524589 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -9.39341553989192 | 21846.9581255255 | 0.00000 |
| P 177.434 | P | n! | 0.00000000 | 0.00000000 | mg/L | 1.72925553 | - | - | 1.04060722 | 60.18 | | Y (371.029 nm) | Linear | - | Fitted | - | - | 0.00000 |
| Pb 220.353 | Pb | n! | 0.00000000 | 0.00000000 | mg/L | 35.02706358 | - | - | 1.39577841 | 3.98 | 8.07486654 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Right | 35.6916943734323 | 10845.0476042235 | 0.00000 |
| S 181.972 | S | n! | 0.00000000 | 0.00000000 | mg/L | 150.56419778 | - | - | 1.81855768 | 1.21 | | Y (371.029 nm) | Linear | - | Fitted | - | - | 0.00000 |
| Sb 206.834 | Sb | n! | 0.00000000 | 0.00000000 | mg/L | -14.11920416 | - | - | 6.47868170 | 45.89 | 7.09695616 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Right | -13.1732741210342 | 4006.64909088582 | 0.00000 |
| Se 196.026 | Se | n! | 0.00000000 | 0.00000000 | mg/L | 22.06384296 | - | - | 4.82408180 | 21.86 | 4.71121242 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 19.467966905495 | 4245.86774188912 | 0.00000 |
| Si 251.611 | Si | n! | 0.00000000 | 0.00000000 | mg/L | 26.97241259 | - | - | 6.00823937 | 22.28 | | Y (371.029 nm) | Linear | - | Fitted | - | - | 0.00000 |
| Sn 189.925 | Sn | n! | 0.00000000 | 0.00000000 | mg/L | 21.11955540 | - | - | 4.70470784 | 22.28 | 4.12567251 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 22.9572887545384 | 11826.3109830445 | 0.00000 |
| Sr 421.552 | Sr-R | n! | 0.00000000 | 0.00000000 | mg/L | 38.50989260 | - | - | 5.00876714 | 13.01 | 2.80361522 | Y-R (371.029 nm) | Linear | 0.99992 | Fitted | 39.7448671522225 | 252418.863760472 | 0.00000 |
| Ti 334.941 | Ti | n! | 0.00000000 | 0.00000000 | mg/L | 26.97193835 | - | - | 6.23167204 | 23.10 | 1.98078343 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 24.3816120271576 | 259893.281067734 | 0.00000 |
| Tl 190.794 | Tl | n! | 0.00000000 | 0.00000000 | mg/L | 1.19830641 | - | - | 3.42955669 | > 100.00 | 2.03070827 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 2.16172267776906 | 5175.73268338973 | 0.00000 |
| V 292.401 | V | n! | 0.00000000 | 0.00000000 | mg/L | -6.26835235 | - | - | 13.55372983 | > 100.00 | 4.75828401 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Left+Right | -6.58941766666658 | 36141.6712877209 | 0.00000 |
| Zn 206.200 | Zn | n! | 0.00000000 | 0.00000000 | mg/L | 84.54813857 | - | - | 6.53304799 | 7.73 | 5.17368596 | Y (371.029 nm) | Linear | 0.99989 | Fitted | 37.6368473958323 | 39732.1356993275 | 0.00000 |
| Y 371.029 | Y | ! | 1.00 | 1.00 | Ratio | 258127.30 | 0.00 | 0.00 | 1333.76 | 0.52 | | - | - | - | Fitted | - | - | 1.00 |
| Y 371.029 | Y-R | ! | 1.00 | 1.00 | Ratio | 42680.21 | 0.00 | 0.00 | 324.59 | 0.76 | | - | - | - | Fitted | - | - | 1.00 |

**Instrument ID:** MET12

**Label:** ICAL,L1,S19988 | **Rack:Tube:** S1:2 | **Type:** STD

**Date Time:** 2/16/2024 8:36:23 AM | **Weight:** - | **Volume:** -

**Dilution:** - | **%RSE limit:** - | **Calibration Coefficient [3]:** -

**LIMS ID:** | **Customer:** | **Customer Ref.:**

**Sample Date Time:** | **Sample Site:** | **Description:**

**Replicates:** 3 | **Flags Replicate 1:** | **Flags Replicate 2:**

**Flags Replicate 3:**

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentrati Replicate 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | | | mg/L | 26.30228131 | - | - | 4.61740366 | 17.56 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Al 396.152 | Al | n | 0.00666667 | 0.00666667 | mg/L | 414.51204090 | - | - | 17.70589295 | 4.27 | 8.70534478 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 66.9650125173221 | 47129.8067940647 | 0.00666 |
| As 188.980 | As | n | 0.00333333 | 0.00333333 | mg/L | 23.11587972 | - | - | 6.05513222 | 26.19 | 19.06710582 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.04387065084046 | 4986.93691781961 | 0.00333 |
| B 249.678 | B | n | 0.00333333 | 0.00333333 | mg/L | 170.12242114 | - | - | 4.45488354 | 2.62 | 3.80910482 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 37.0356679578704 | 37795.1365216501 | 0.00333 |
| Ba 230.424 | Ba | n | 0.00333333 | 0.00333333 | mg/L | 494.52997671 | - | - | 11.96829005 | 2.42 | 2.48346065 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 32.8737524895101 | 134649.398548009 | 0.00333 |
| Be 313.107 | Be | n | 0.00100000 | 0.00100000 | mg/L | 1261.65179133 | - | - | 8.21663936 | 0.65 | 5.25540014 | Y (371.029 nm) | Linear | 0.99999 | Fitted | -13.4553852656251 | 1365011.45341593 | 0.00100 |
| Ca 317.933 | Ca-R | n | 0.03333333 | 0.03333333 | mg/L | 1177.34825374 | - | - | 6.54316805 | 0.56 | 4.23930830 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 942.675700760523 | 7439.15249407719 | 0.03333 |
| Cd 214.439 | Cd | n | 0.00166667 | 0.00166667 | mg/L | 387.91758210 | - | - | 8.96753895 | 2.31 | 3.59343177 | Y (371.029 nm) | Linear | 0.99993 | Fitted | 24.2091788139777 | 218662.180211215 | 0.00166 |
| Co 230.786 | Co | n | 0.00166667 | 0.00166667 | mg/L | 109.02995925 | - | - | 2.49382989 | 2.29 | 5.79720720 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 18.3500031426101 | 52084.8075859641 | 0.00166 |
| Cr 267.716 | Cr | n | 0.00333333 | 0.00333333 | mg/L | 136.72379931 | - | - | 5.01028423 | 3.66 | 1.67658795 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | -38.6944770693245 | 53253.6465072394 | 0.00333 |
| Cu 324.754 | Cu | n | 0.00333333 | 0.00333333 | mg/L | 1462.58487486 | - | - | 10.41244302 | 0.71 | 3.38586953 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 1290.58883055837 | 51102.2750814203 | 0.00333 |
| Fe 259.940 | Fe | n | 0.00666667 | 0.00666667 | mg/L | 301.86629163 | - | - | 0.54792413 | 0.18 | 2.15447504 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 14.5314725665531 | 43171.6813944767 | 0.00666 |
| K 766.491 | K-R | n | 0.06666667 | 0.06666667 | mg/L | 39.34999970 | - | - | 39.87548006 | > 100.00 | 72.72122687 | Y-R (371.029 nm) | Linear | 0.99999 | Fitted | -57.551385949253 | 649.340016287053 | 0.06666 |
| Li 670.783 | Li-R | n | 0.00333333 | 0.00333333 | mg/L | 117.74899150 | - | - | 7.96636148 | 6.77 | 3.14705336 | Y-R (371.029 nm) | Linear | 0.99999 | FACT | -50.4976423467627 | 50839.7387605064 | 0.00333 |
| Mg 279.800 | Mg-R | n | 0.03333333 | 0.03333333 | mg/L | 19.33931231 | - | - | 4.03824057 | 20.88 | 7.19089297 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -4.16361724259883 | 641.847435422844 | 0.03333 |
| Mn 257.610 | Mn | n | 0.00333333 | 0.00333333 | mg/L | 1273.63486642 | - | - | 11.97527980 | 0.94 | 2.65484276 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 70.7865612515667 | 365079.590171499 | 0.00333 |
| Mo 204.598 | Mo | n | 0.00333333 | 0.00333333 | mg/L | 52.87557315 | - | - | 5.97133684 | 11.29 | 4.47991740 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 0.616867608628638 | 15019.3421190233 | 0.00333 |
| Na 589.592 | Na-R | n | 0.06666667 | 0.06666667 | mg/L | 267.84474789 | - | - | 23.25625491 | 8.68 | 4.39319644 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -32.4679058627487 | 4688.67042590267 | 0.06666 |
| Ni 231.604 | Ni | n | 0.00333333 | 0.00333333 | mg/L | 61.85364773 | - | - | 2.02754641 | 3.28 | 2.70524589 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -9.39341553989192 | 21846.9581255255 | 0.00333 |
| P 177.434 | P | n | | | mg/L | 1.43810324 | - | - | 0.30285092 | 21.06 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Pb 220.353 | Pb | n | 0.00333333 | 0.00333333 | mg/L | 69.30048333 | - | - | 6.95050879 | 10.03 | 8.07486654 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Right | 35.6916943734323 | 10845.0476042235 | 0.00333 |
| S 181.972 | S | n | | | mg/L | 151.45557183 | - | - | 1.63912559 | 1.08 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sb 206.834 | Sb | n | 0.01000010 | 0.01000010 | mg/L | 22.01905196 | - | - | 10.98770040 | 49.90 | 7.09695616 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Right | -13.1732741210342 | 4006.64909088582 | 0.01000 |
| Se 196.026 | Se | n | 0.01000001 | 0.01000001 | mg/L | 64.89148413 | - | - | 1.88841600 | 2.91 | 4.71121242 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 19.467966905495 | 4245.86774188912 | 0.01000 |
| Si 251.611 | Si | n | | | mg/L | 24.58234171 | - | - | 4.42128889 | 17.99 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sn 189.925 | Sn | n | 0.00333333 | 0.00333333 | mg/L | 65.01522843 | - | - | 6.68925865 | 10.29 | 4.12567251 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 22.9572887545384 | 11826.3109830445 | 0.00333 |
| Sr 421.552 | Sr-R | n | 0.01666667 | 0.01666667 | mg/L | 4272.03225319 | - | - | 30.70862379 | 0.72 | 2.80361522 | Y-R (371.029 nm) | Linear | 0.99992 | Fitted | 39.7448671522225 | 252418.863760472 | 0.01666 |
| Ti 334.941 | Ti | n | 0.00333333 | 0.00333333 | mg/L | 881.35673304 | - | - | 20.84328197 | 2.36 | 1.98078343 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 24.3816120271576 | 259893.281067734 | 0.00333 |
| Tl 190.794 | Tl | n | 0.01000010 | 0.01000010 | mg/L | 54.51411340 | - | - | 5.82952138 | 10.69 | 2.03070827 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 2.16172267776906 | 5175.73268338973 | 0.01000 |
| V 292.401 | V | n | 0.00166667 | 0.00166667 | mg/L | 57.87727911 | - | - | 2.27104883 | 3.92 | 4.75828401 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Left+Right | -6.58941766666658 | 36141.6712877209 | 0.00166 |
| Zn 206.200 | Zn | n | 0.01000010 | 0.01000010 | mg/L | 424.84352905 | - | - | 3.88986748 | 0.92 | 5.17368596 | Y (371.029 nm) | Linear | 0.99989 | Fitted | 37.6368473958323 | 39732.1356993275 | 0.01000 |
| Y 371.029 | Y | | 0.99 | 0.99 | Ratio | 255942.35 | 0.01 | 0.97 | 2480.32 | 0.97 | | - | - | - | Fitted | - | - | 0.98 |
| Y 371.029 | Y-R | | 1.02 | 1.02 | Ratio | 43719.43 | 0.01 | 1.22 | 535.28 | 1.22 | | - | - | - | Fitted | - | - | 1.03 |

Instrument ID: MET12

Label: ICAL,L2,S19987 | Rack:Tube: S1:3 | Type: STD
Date Time: 2/16/2024 8:39:30 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 | 27.81132818 | - | - | 5.40750489 | 19.44 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Al 396.152 | Al | n | 0.02000000 | 0.02000000 | mg/L | 935.87177184 | - | - | 22.52460216 | 2.41 | 8.70534478 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 66.9650125173221 | 47129.8067940647 | 0.0200000 |
| As 188.980 | As | n | 0.01000000 | 0.01000000 | mg/L | 52.09725214 | - | - | 2.92999468 | 5.62 | 19.06710582 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.04387065084046 | 4986.93691781961 | 0.0100000 |
| B 249.678 | B | n | 0.01000000 | 0.01000000 | mg/L | 411.78452613 | - | - | 2.06150089 | 0.50 | 3.80910482 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 37.0356679578704 | 37795.1365216501 | 0.0100000 |
| Ba 230.424 | Ba | n | 0.01000000 | 0.01000000 | mg/L | 1355.55330515 | - | - | 10.17338613 | 0.75 | 2.48346065 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 32.8737524895101 | 134649.398548009 | 0.0100000 |
| Be 313.107 | Be | n | 0.00300000 | 0.00300000 | mg/L | 3897.17770645 | - | - | 19.65406748 | 0.50 | 5.25540014 | Y (371.029 nm) | Linear | 0.99999 | Fitted | -13.4553852656251 | 1365011.45341593 | 0.0030000 |
| Ca 317.933 | Ca-R | n | 0.10000000 | 0.10000000 | mg/L | 1663.50417300 | - | - | 8.18030882 | 0.49 | 4.23930830 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 942.675700760523 | 7439.15249407719 | 0.1000000 |
| Cd 214.439 | Cd | n | 0.00500000 | 0.00500000 | mg/L | 1076.44713940 | - | - | 17.75345162 | 1.65 | 3.59343177 | Y (371.029 nm) | Linear | 0.99993 | Fitted | 24.2091788139777 | 218662.180211215 | 0.0050000 |
| Co 230.786 | Co | n | 0.00500000 | 0.00500000 | mg/L | 256.70166335 | - | - | 3.43192159 | 1.34 | 5.79720720 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 18.3500031426101 | 52084.8075859641 | 0.0050000 |
| Cr 267.716 | Cr | n | 0.01000000 | 0.01000000 | mg/L | 482.52917733 | - | - | 9.69225509 | 2.01 | 1.67658795 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | -38.6944770693245 | 53253.6465072394 | 0.0100000 |
| Cu 324.754 | Cu | n | 0.01000000 | 0.01000000 | mg/L | 1780.86412809 | - | - | 11.51778529 | 0.65 | 3.38586953 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 1290.58883055837 | 51102.2750814203 | 0.0100000 |
| Fe 259.940 | Fe | n | 0.02000000 | 0.02000000 | mg/L | 852.20526573 | - | - | 8.50756795 | 1.00 | 2.15447504 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 14.5314725665531 | 43171.6813944767 | 0.0200000 |
| K 766.491 | K-R | n | 0.20000000 | 0.20000000 | mg/L | 78.04333664 | - | - | 69.63003079 | 89.22 | 72.72122687 | Y-R (371.029 nm) | Linear | 0.99999 | Fitted | -57.551385949253 | 649.340016287053 | 0.2000000 |
| Li 670.783 | Li-R | n | 0.01000000 | 0.01000000 | mg/L | 446.91870838 | - | - | 15.46637008 | 3.46 | 3.14705336 | Y-R (371.029 nm) | Linear | 0.99999 | FACT | -50.4976423467627 | 50839.7387605064 | 0.0100000 |
| Mg 279.800 | Mg-R | n | 0.10000000 | 0.10000000 | mg/L | 56.50931251 | - | - | 1.81134532 | 3.21 | 7.19089297 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -4.16361724259883 | 641.847435422844 | 0.1000000 |
| Mn 257.610 | Mn | n | 0.01000000 | 0.01000000 | mg/L | 3662.42686153 | - | - | 36.82151419 | 1.01 | 2.65484276 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 70.7865612515667 | 365079.590171499 | 0.0100000 |
| Mo 204.598 | Mo | n | 0.01000000 | 0.01000000 | mg/L | 141.62054948 | - | - | 3.97752762 | 2.81 | 4.47991740 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 0.616867608628638 | 15019.3421190233 | 0.0100000 |
| Na 589.592 | Na-R | n | 0.20000000 | 0.20000000 | mg/L | 860.17751913 | - | - | 12.66965178 | 1.47 | 4.39319644 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -32.4679058627487 | 4688.67042590267 | 0.2000000 |
| Ni 231.604 | Ni | n | 0.01000000 | 0.01000000 | mg/L | 203.64975220 | - | - | 5.42117058 | 2.66 | 2.70524589 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -9.39341553989192 | 21846.9581255255 | 0.0100000 |
| P 177.434 | P | n | | | mg/L | 1.44606421 | - | - | 0.35768118 | 24.73 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Pb 220.353 | Pb | n | 0.01000000 | 0.01000000 | mg/L | 131.73855878 | - | - | 9.74020200 | 7.39 | 8.07486654 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Right | 35.6916943734323 | 10845.0476042235 | 0.0100000 |
| S 181.972 | S | n | | | mg/L | 148.12844511 | - | - | 1.27874222 | 0.86 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sb 206.834 | Sb | n | 0.03000030 | 0.03000030 | mg/L | 105.06806973 | - | - | 7.70394348 | 7.33 | 7.09695616 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Right | -13.1732741210342 | 4006.64909088582 | 0.0300003 |
| Se 196.026 | Se | n | 0.03000003 | 0.03000003 | mg/L | 143.02810022 | - | - | 9.20151013 | 6.43 | 4.71121242 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 19.467966905495 | 4245.86774188912 | 0.0300000 |
| Si 251.611 | Si | n | | | mg/L | 25.98265419 | - | - | 2.22436674 | 8.56 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sn 189.925 | Sn | n | 0.01000000 | 0.01000000 | mg/L | 140.68536104 | - | - | 1.40080843 | 1.00 | 4.12567251 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 22.9572887545384 | 11826.3109830445 | 0.0100000 |
| Sr 421.552 | Sr-R | n | 0.05000000 | 0.05000000 | mg/L | 12726.49085800 | - | - | 52.52650821 | 0.41 | 2.80361522 | Y-R (371.029 nm) | Linear | 0.99992 | Fitted | 39.7448671522225 | 252418.863760472 | 0.0500000 |
| Ti 334.941 | Ti | n | 0.01000000 | 0.01000000 | mg/L | 2551.87572473 | - | - | 44.12081385 | 1.73 | 1.98078343 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 24.3816120271576 | 259893.281067734 | 0.0100000 |
| Tl 190.794 | Tl | n | 0.03000030 | 0.03000030 | mg/L | 155.03672260 | - | - | 3.48640535 | 2.25 | 2.03070827 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 2.16172267776906 | 5175.73268338973 | 0.0300003 |
| V 292.401 | V | n | 0.00500000 | 0.00500000 | mg/L | 166.98014116 | - | - | 12.20228733 | 7.31 | 4.75828401 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Left+Right | -6.58941766666658 | 36141.6712877209 | 0.0050000 |
| Zn 206.200 | Zn | n | 0.03000030 | 0.03000030 | mg/L | 1168.17435278 | - | - | 11.69769571 | 1.00 | 5.17368596 | Y (371.029 nm) | Linear | 0.99989 | Fitted | 37.6368473958323 | 39732.1356993275 | 0.0300003 |
| Y 371.029 | Y | | 1.00 | 1.00 | Ratio | 258211.05 | 0.00 | 0.46 | 1181.85 | 0.46 | | - | - | - | Fitted | - | - | 1.00 |
| Y 371.029 | Y-R | | 1.03 | 1.03 | Ratio | 44044.21 | 0.01 | 0.68 | 299.53 | 0.68 | | - | - | - | Fitted | - | - | 1.04 |

Instrument ID: MET12

Label: ICAL,L3,S19986 | Rack:Tube: S1:4 | Type: STD

Date Time: 2/16/2024 8:42:37 AM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMS ID: | Customer: | Customer Ref.:

Sample Date Time: | Sample Site: | Description:

Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:

Flags Replicate 3:

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] | Concentra Replicate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | | | mg/L | 21.64696735 | - | - | 1.72670550 | 7.98 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Al 396.152 | Al | n | 0.20000000 | 0.20000000 | mg/L | 8942.21730609 | - | - | 75.78221642 | 0.85 | 8.70534478 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 66.9650125173221 | 47129.8067940647 | 0.2000 |
| As 188.980 | As | n | 0.10000000 | 0.10000000 | mg/L | 483.55184749 | - | - | 4.64907944 | 0.96 | 19.06710582 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.04387065084046 | 4986.93691781961 | 0.1000 |
| B 249.678 | B | n | 0.10000000 | 0.10000000 | mg/L | 3705.55328902 | - | - | 35.07147583 | 0.95 | 3.80910482 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 37.0356679578704 | 37795.1365216501 | 0.1000 |
| Ba 230.424 | Ba | n | 0.10000000 | 0.10000000 | mg/L | 13699.92215138 | - | - | 100.18922546 | 0.73 | 2.48346065 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 32.8737524895101 | 134649.398548009 | 0.1000 |
| Be 313.107 | Be | n | 0.03000000 | 0.03000000 | mg/L | 41533.58200107 | - | - | 203.61053469 | 0.49 | 5.25540014 | Y (371.029 nm) | Linear | 0.99999 | Fitted | -13.4553852656251 | 1365011.45341593 | 0.0300 |
| Ca 317.933 | Ca-R | n | 1.00000000 | 1.00000000 | mg/L | 8223.03647624 | - | - | 61.75069641 | 0.75 | 4.23930830 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 942.675700760523 | 7439.15249407719 | 1.0000 |
| Cd 214.439 | Cd | n | 0.05000000 | 0.05000000 | mg/L | 11001.30063213 | - | - | 82.67983308 | 0.75 | 3.59343177 | Y (371.029 nm) | Linear | 0.99993 | Fitted | 24.2091788139777 | 218662.180211215 | 0.0500 |
| Co 230.786 | Co | n | 0.05000000 | 0.05000000 | mg/L | 2599.71498117 | - | - | 20.35304873 | 0.78 | 5.79720720 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 18.3500031426101 | 52084.8075859641 | 0.0500 |
| Cr 267.716 | Cr | n | 0.10000000 | 0.10000000 | mg/L | 5318.05732447 | - | - | 28.23418824 | 0.53 | 1.67658795 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | -38.6944770693245 | 53253.6465072394 | 0.1000 |
| Cu 324.754 | Cu | n | 0.10000000 | 0.10000000 | mg/L | 6231.11457596 | - | - | 81.05266617 | 1.30 | 3.38586953 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 1290.58883055837 | 51102.2750814203 | 0.1000 |
| Fe 259.940 | Fe | n | 0.20000000 | 0.20000000 | mg/L | 8762.05756860 | - | - | 45.36585666 | 0.52 | 2.15447504 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 14.5314725665531 | 43171.6813944767 | 0.2000 |
| K 766.491 | K-R | n | 2.00000000 | 2.00000000 | mg/L | 948.57393828 | - | - | 61.12362196 | 6.44 | 72.72122687 | Y-R (371.029 nm) | Linear | 0.99999 | Fitted | -57.551385949253 | 649.340016287053 | 2.0000 |
| Li 670.783 | Li-R | n | 0.10000000 | 0.10000000 | mg/L | 4804.01936133 | - | - | 53.96572316 | 1.12 | 3.14705336 | Y-R (371.029 nm) | Linear | 0.99999 | FACT | -50.4976423467627 | 50839.7387605064 | 0.1000 |
| Mg 279.800 | Mg-R | n | 1.00000000 | 1.00000000 | mg/L | 613.95138571 | - | - | 8.45261296 | 1.38 | 7.19089297 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -4.16361724259883 | 641.847435422844 | 1.0000 |
| Mn 257.610 | Mn | n | 0.10000000 | 0.10000000 | mg/L | 37118.97415816 | - | - | 121.86961066 | 0.33 | 2.65484276 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 70.7865612515667 | 365079.590171499 | 0.1000 |
| Mo 204.598 | Mo | n | 0.10000000 | 0.10000000 | mg/L | 1474.45321608 | - | - | 14.92273831 | 1.01 | 4.47991740 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 0.616867608628638 | 15019.3421190233 | 0.1000 |
| Na 589.592 | Na-R | n | 2.00000000 | 2.00000000 | mg/L | 9095.37188321 | - | - | 68.61868355 | 0.75 | 4.39319644 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -32.4679058627487 | 4688.67042590267 | 2.0000 |
| Ni 231.604 | Ni | n | 0.10000000 | 0.10000000 | mg/L | 2184.02465087 | - | - | 9.81754489 | 0.45 | 2.70524589 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -9.39341553989192 | 21846.9581255255 | 0.1000 |
| P 177.434 | P | n | | | mg/L | 1.53518359 | - | - | 0.91299442 | 59.47 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Pb 220.353 | Pb | n | 0.10000000 | 0.10000000 | mg/L | 1119.30956227 | - | - | 15.34198371 | 1.37 | 8.07486654 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Right | 35.6916943734323 | 10845.0476042235 | 0.1000 |
| S 181.972 | S | n | | | mg/L | 158.81435835 | - | - | 4.14899068 | 2.61 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sb 206.834 | Sb | n | 0.30000300 | 0.30000300 | mg/L | 1192.41723512 | - | - | 5.26584433 | 0.44 | 7.09695616 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Right | -13.1732741210342 | 4006.64909088582 | 0.3000 |
| Se 196.026 | Se | n | 0.30000030 | 0.30000030 | mg/L | 1276.81412625 | - | - | 3.61605568 | 0.28 | 4.71121242 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 19.467966905495 | 4245.86774188912 | 0.3000 |
| Si 251.611 | Si | n | | | mg/L | 27.60191188 | - | - | 1.74421606 | 6.32 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sn 189.925 | Sn | n | 0.10000000 | 0.10000000 | mg/L | 1208.52030425 | - | - | 9.69085104 | 0.80 | 4.12567251 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 22.9572887545384 | 11826.3109830445 | 0.1000 |
| Sr 421.552 | Sr-R | n | 0.50000000 | 0.50000000 | mg/L | 124492.10911259 | - | - | 1018.55362470 | 0.82 | 2.80361522 | Y-R (371.029 nm) | Linear | 0.99992 | Fitted | 39.7448671522225 | 252418.863760472 | 0.5000 |
| Ti 334.941 | Ti | n | 0.10000000 | 0.10000000 | mg/L | 25780.75013567 | - | - | 149.83225310 | 0.58 | 1.98078343 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 24.3816120271576 | 259893.281067734 | 0.1000 |
| Tl 190.794 | Tl | n | 0.30000300 | 0.30000300 | mg/L | 1572.19546952 | - | - | 18.56853044 | 1.18 | 2.03070827 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 2.16172267776906 | 5175.73268338973 | 0.3000 |
| V 292.401 | V | n | 0.05000000 | 0.05000000 | mg/L | 1787.04747499 | - | - | 3.98741854 | 0.22 | 4.75828401 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Left+Right | -6.58941766666658 | 36141.6712877209 | 0.0500 |
| Zn 206.200 | Zn | n | 0.30000300 | 0.30000300 | mg/L | 11905.32875256 | - | - | 101.60652206 | 0.85 | 5.17368596 | Y (371.029 nm) | Linear | 0.99989 | Fitted | 37.6368473958323 | 39732.1356993275 | 0.3000 |
| Y 371.029 | Y | | 0.99 | 0.99 | Ratio | 254594.47 | 0.00 | 0.37 | 947.69 | 0.37 | | - | - | - | Fitted | - | - | 0.98 |
| Y 371.029 | Y-R | | 1.02 | 1.02 | Ratio | 43448.76 | 0.01 | 0.52 | 227.83 | 0.52 | | - | - | - | Fitted | - | - | 1.01 |

Instrument ID: MET12

Label: ICAL,L4,S19985 | Rack:Tube: S1:5 | Type: STD

Date Time: 2/16/2024 8:45:44 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 | 24.75726107 | - | - | 0.51020962 | 2.06 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Al 396.152 | Al | n | 2.00000000 | 2.00000000 | mg/L | 95020.51115651 | - | - | 314.71796508 | 0.33 | 8.70534478 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 66.9650125173221 | 47129.8067940647 | 2 |
| As 188.980 | As | n | 1.00000000 | 1.00000000 | mg/L | 4995.50305025 | - | - | 14.20339382 | 0.28 | 19.06710582 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.04387065084046 | 4986.93691781961 | 1 |
| B 249.678 | B | n | 1.00000000 | 1.00000000 | mg/L | 37833.04896385 | - | - | 85.71360320 | 0.23 | 3.80910482 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 37.0356679578704 | 37795.1365216501 | 1 |
| Ba 230.424 | Ba | n | 1.00000000 | 1.00000000 | mg/L | 135934.14084387 | - | - | 610.60008505 | 0.45 | 2.48346065 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 32.8737524895101 | 134649.398548009 | 1 |
| Be 313.107 | Be | n | 0.30000000 | 0.30000000 | mg/L | 424209.56759574 | - | - | 1511.31614107 | 0.36 | 5.25540014 | Y (371.029 nm) | Linear | 0.99999 | Fitted | -13.4553852656251 | 1365011.45341593 | 0 |
| Ca 317.933 | Ca-R | n | 10.00000000 | 10.00000000 | mg/L | 77591.49996429 | - | - | 383.49952735 | 0.49 | 4.23930830 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 942.675700760523 | 7439.15249407719 | 1 |
| Cd 214.439 | Cd | n | 0.50000000 | 0.50000000 | mg/L | 110038.74897426 | - | - | 234.92543131 | 0.21 | 3.59343177 | Y (371.029 nm) | Linear | 0.99993 | Fitted | 24.2091788139777 | 218662.180211215 | 0 |
| Co 230.786 | Co | n | 0.50000000 | 0.50000000 | mg/L | 26102.05990553 | - | - | 17.64431320 | 0.07 | 5.79720720 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 18.3500031426101 | 52084.8075859641 | 0 |
| Cr 267.716 | Cr | n | 1.00000000 | 1.00000000 | mg/L | 53502.00694178 | - | - | 147.41138162 | 0.28 | 1.67658795 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | -38.6944770693245 | 53253.6465072394 | 1 |
| Cu 324.754 | Cu | n | 1.00000000 | 1.00000000 | mg/L | 51886.33299677 | - | - | 193.67815756 | 0.37 | 3.38586953 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 1290.58883055837 | 51102.2750814203 | 1 |
| Fe 259.940 | Fe | n | 2.00000000 | 2.00000000 | mg/L | 87017.10230777 | - | - | 118.02218539 | 0.14 | 2.15447504 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 14.5314725665531 | 43171.6813944767 | 2 |
| K 766.491 | K-R | n | 20.00000000 | 20.00000000 | mg/L | 12877.44227910 | - | - | 52.21288537 | 0.41 | 72.72122687 | Y-R (371.029 nm) | Linear | 0.99999 | Fitted | -57.551385949253 | 649.340016287053 | 2 |
| Li 670.783 | Li-R | n | 1.00000000 | 1.00000000 | mg/L | 51825.24662235 | - | - | 369.41146991 | 0.71 | 3.14705336 | Y-R (371.029 nm) | Linear | 0.99999 | FACT | -50.4976423467627 | 50839.7387605064 | 1 |
| Mg 279.800 | Mg-R | n | 10.00000000 | 10.00000000 | mg/L | 6452.43584781 | - | - | 11.98916267 | 0.19 | 7.19089297 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -4.16361724259883 | 641.847435422844 | 1 |
| Mn 257.610 | Mn | n | 1.00000000 | 1.00000000 | mg/L | 366001.43383971 | - | - | 519.31529672 | 0.14 | 2.65484276 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 70.7865612515667 | 365079.590171499 | 1 |
| Mo 204.598 | Mo | n | 1.00000000 | 1.00000000 | mg/L | 15031.95620993 | - | - | 26.84928486 | 0.18 | 4.47991740 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 0.616867608628638 | 15019.3421190233 | 1 |
| Na 589.592 | Na-R | n | 20.00000000 | 20.00000000 | mg/L | 96953.45472146 | - | - | 521.67991534 | 0.54 | 4.39319644 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -32.4679058627487 | 4688.67042590267 | 2 |
| Ni 231.604 | Ni | n | 1.00000000 | 1.00000000 | mg/L | 21976.45691619 | - | - | 25.48464801 | 0.12 | 2.70524589 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -9.39341553989192 | 21846.9581255255 | 1 |
| P 177.434 | P | n | | | mg/L | 1.92923980 | - | - | 1.32971681 | 68.92 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Pb 220.353 | Pb | n | 1.00000000 | 1.00000000 | mg/L | 10881.94619454 | - | - | 1.35240339 | 0.01 | 8.07486654 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Right | 35.6916943734323 | 10845.0476042235 | 1 |
| S 181.972 | S | n | | | mg/L | 169.89497724 | - | - | 0.64845280 | 0.38 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sb 206.834 | Sb | n | 3.00003000 | 3.00003000 | mg/L | 11944.49974768 | - | - | 40.24089196 | 0.34 | 7.09695616 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Right | -13.1732741210342 | 4006.64909088582 | 3 |
| Se 196.026 | Se | n | 3.00000300 | 3.00000300 | mg/L | 12916.19519992 | - | - | 19.55411253 | 0.15 | 4.71121242 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 19.467966905495 | 4245.86774188912 | 3 |
| Si 251.611 | Si | n | | | mg/L | 105.96863242 | - | - | 5.90298478 | 5.57 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sn 189.925 | Sn | n | 1.00000000 | 1.00000000 | mg/L | 11937.16784449 | - | - | 16.26959188 | 0.14 | 4.12567251 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 22.9572887545384 | 11826.3109830445 | 1 |
| Sr 421.552 | Sr-R | n | 5.00000000 | 5.00000000 | mg/L | 1314403.87923711 | - | - | 12531.27341233 | 0.95 | 2.80361522 | Y-R (371.029 nm) | Linear | 0.99992 | Fitted | 39.7448671522225 | 252418.863760472 | 5 |
| Ti 334.941 | Ti | n | 1.00000000 | 1.00000000 | mg/L | 260666.20743362 | - | - | 618.37524366 | 0.24 | 1.98078343 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 24.3816120271576 | 259893.281067734 | 1 |
| Tl 190.794 | Tl | n | 3.00003000 | 3.00003000 | mg/L | 15780.53653295 | - | - | 30.76343098 | 0.19 | 2.03070827 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 2.16172267776906 | 5175.73268338973 | 3 |
| V 292.401 | V | n | 0.50000000 | 0.50000000 | mg/L | 18327.69670406 | - | - | 61.78325669 | 0.34 | 4.75828401 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Left+Right | -6.58941766666658 | 36141.6712877209 | 0 |
| Zn 206.200 | Zn | n | 3.00003000 | 3.00003000 | mg/L | 119375.04115073 | - | - | 70.97293762 | 0.06 | 5.17368596 | Y (371.029 nm) | Linear | 0.99989 | Fitted | 37.6368473958323 | 39732.1356993275 | 3 |
| Y 371.029 | Y | | 0.99 | 0.99 | Ratio | 255067.14 | 0.00 | 0.43 | 1102.91 | 0.43 | | - | - | - | Fitted | - | - | 0 |
| Y 371.029 | Y-R | | 0.98 | 0.98 | Ratio | 41672.46 | 0.00 | 0.36 | 149.43 | 0.36 | | - | - | - | Fitted | - | - | 0 |

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | ICAL,L5,S19984 | **Rack:Tube:** | S1:6 | **Type:** | STD |
| **Date Time:** | 2/16/2024 8:48:52 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 | 54.66066959 | - | - | 9.92434147 | 18.16 | | Y (371.029 nm) | Linear | - | Fitted | - | - |
| Al 396.152 | Al | n | 10.00000000 | 10.00000000 | mg/L | 491856.40517019 | - | - | 5275.73236596 | 1.07 | 8.70534478 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 66.9650125173221 | 47129.8067940647 |
| As 188.980 | As | n | 5.00000000 | 5.00000000 | mg/L | 24959.44356270 | - | - | 57.61308864 | 0.23 | 19.06710582 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.04387065084046 | 4986.93691781961 |
| B 249.678 | B | n | 5.00000000 | 5.00000000 | mg/L | 191939.11278030 | - | - | 979.61270648 | 0.51 | 3.80910482 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 37.0356679578704 | 37795.1365216501 |
| Ba 230.424 | Ba | n | 5.00000000 | 5.00000000 | mg/L | 659660.07668713 | - | - | 4496.15147818 | 0.68 | 2.48346065 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 32.8737524895101 | 134649.398548009 |
| Be 313.107 | Be | n | 1.50000000 | 1.50000000 | mg/L | 2089249.09881975 | - | - | 12532.84851032 | 0.60 | 5.25540014 | Y (371.029 nm) | Linear | 0.99999 | Fitted | -13.4553852656251 | 1365011.45341593 |
| Ca 317.933 | Ca-R | n | 50.00000000 | 50.00000000 | mg/L | 367970.38614528 | - | - | 1918.30208865 | 0.52 | 4.23930830 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 942.675700760523 | 7439.15249407719 |
| Cd 214.439 | Cd | n | 2.50000000 | 2.50000000 | mg/L | 519880.98692282 | - | - | 3385.06228646 | 0.65 | 3.59343177 | Y (371.029 nm) | Linear | 0.99993 | Fitted | 24.2091788139777 | 218662.180211215 |
| Co 230.786 | Co | n | 2.50000000 | 2.50000000 | mg/L | 126479.77765321 | - | - | 411.97241649 | 0.33 | 5.79720720 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 18.3500031426101 | 52084.8075859641 |
| Cr 267.716 | Cr | n | 5.00000000 | 5.00000000 | mg/L | 262568.19672616 | - | - | 1081.03431906 | 0.41 | 1.67658795 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | -38.6944770693245 | 53253.6465072394 |
| Cu 324.754 | Cu | n | 5.00000000 | 5.00000000 | mg/L | 262489.22048151 | - | - | 1271.11230883 | 0.48 | 3.38586953 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 1290.58883055837 | 51102.2750814203 |
| Fe 259.940 | Fe | n | 10.00000000 | 10.00000000 | mg/L | 424643.17670736 | - | - | 897.71366816 | 0.21 | 2.15447504 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 14.5314725665531 | 43171.6813944767 |
| K 766.491 | K-R | n | 100.00000000 | 100.00000000 | mg/L | 65206.70511819 | - | - | 248.64263887 | 0.38 | 72.72122687 | Y-R (371.029 nm) | Linear | 0.99999 | Fitted | -57.551385949253 | 649.340016287053 |
| Li 670.783 | Li-R | n | 5.00000000 | 5.00000000 | mg/L | 254348.35223923 | - | - | 1111.37839917 | 0.44 | 3.14705336 | Y-R (371.029 nm) | Linear | 0.99999 | FACT | -50.4976423467627 | 50839.7387605064 |
| Mg 279.800 | Mg-R | n | 50.00000000 | 50.00000000 | mg/L | 30883.71652719 | - | - | 164.80034591 | 0.53 | 7.19089297 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -4.16361724259883 | 641.847435422844 |
| Mn 257.610 | Mn | n | 5.00000000 | 5.00000000 | mg/L | 1754923.11261679 | - | - | 7648.61431553 | 0.44 | 2.65484276 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 70.7865612515667 | 365079.590171499 |
| Mo 204.598 | Mo | n | 5.00000000 | 5.00000000 | mg/L | 75275.59224477 | - | - | 751.38100202 | 1.00 | 4.47991740 | Y (371.029 nm) | Linear | 1.00000 | Fitted | 0.616867608628638 | 15019.3421190233 |
| Na 589.592 | Na-R | n | 100.00000000 | 100.00000000 | mg/L | 465299.84951136 | - | - | 2209.33604185 | 0.47 | 4.39319644 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | -32.4679058627487 | 4688.67042590267 |
| Ni 231.604 | Ni | n | 5.00000000 | 5.00000000 | mg/L | 105679.41663246 | - | - | 284.02622684 | 0.27 | 2.70524589 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -9.39341553989192 | 21846.9581255255 |
| P 177.434 | P | n | | | mg/L | -2.53289509 | - | - | 1.36861219 | 54.03 | | Y (371.029 nm) | Linear | - | Fitted | - | - |
| Pb 220.353 | Pb | n | 5.00000000 | 5.00000000 | mg/L | 52134.73502835 | - | - | 127.10734716 | 0.24 | 8.07486654 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Right | 35.6916943734323 | 10845.0476042235 |
| S 181.972 | S | n | | | mg/L | 219.29488200 | - | - | 4.33112962 | 1.98 | | Y (371.029 nm) | Linear | - | Fitted | - | - |
| Sb 206.834 | Sb | n | 15.00015000 | 15.00015000 | mg/L | 60248.12958022 | - | - | 175.69838870 | 0.29 | 7.09695616 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Right | -13.1732741210342 | 4006.64909088582 |
| Se 196.026 | Se | n | 15.00000000 | 15.00000000 | mg/L | 62196.19121505 | - | - | 160.61816812 | 0.26 | 4.71121242 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 19.467966905495 | 4245.86774188912 |
| Si 251.611 | Si | n | | | mg/L | 474.04918682 | - | - | 28.34582911 | 5.98 | | Y (371.029 nm) | Linear | - | Fitted | - | - |
| Sn 189.925 | Sn | n | 5.00000000 | 5.00000000 | mg/L | 57767.61875073 | - | - | 144.37872732 | 0.25 | 4.12567251 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 22.9572887545384 | 11826.3109830445 |
| Sr 421.552 | Sr-R | n | 25.00000000 | 25.00000000 | mg/L | 6186581.87701532 | - | - | 35508.67264530 | 0.57 | 2.80361522 | Y-R (371.029 nm) | Linear | 0.99992 | Fitted | 39.7448671522225 | 252418.863760472 |
| Ti 334.941 | Ti | n | 5.00000000 | 5.00000000 | mg/L | 1280361.55795375 | - | - | 14097.78759372 | 1.10 | 1.98078343 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 24.3816120271576 | 259893.281067734 |
| Tl 190.794 | Tl | n | 15.00015000 | 15.00015000 | mg/L | 75936.04464770 | - | - | 178.12788816 | 0.23 | 2.03070827 | Y (371.029 nm) | Linear | 0.99997 | Fitted | 2.16172267776906 | 5175.73268338973 |
| V 292.401 | V | n | 2.50000000 | 2.50000000 | mg/L | 90852.15059264 | - | - | 435.51250718 | 0.48 | 4.75828401 | Y (371.029 nm) | Linear | 1.00000 | Off-Peak Left+Right | -6.58941766666658 | 36141.6712877209 |
| Zn 206.200 | Zn | n | 15.00015000 | 15.00015000 | mg/L | 555147.77927736 | - | - | 3155.14833789 | 0.57 | 5.17368596 | Y (371.029 nm) | Linear | 0.99989 | Fitted | 37.6368473958323 | 39732.1356993275 |
| Y 371.029 | Y | | 0.96 | 0.96 | Ratio | 246718.01 | 0.01 | 0.91 | 2242.86 | 0.91 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.97 | 0.97 | Ratio | 41469.11 | 0.01 | 1.05 | 435.74 | 1.05 | | - | - | - | Fitted | - | - |

**Instrument ID:** MET12

**Label:** ICAL,L6,S19983 | **Rack:Tube:** S1:7 | **Type:** STD
**Date Time:** 2/16/2024 8:51:59 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 | 95.70427722 | - | - | 8.78106067 | 9.18 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 20.00000000 | 20.00000000 | mg/L | 1063054.48877602 | - | - | 4076.82649320 | 0.38 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 10.00000000 | 10.00000000 | mg/L | 51156.13140694 | - | - | 37.89636688 | 0.07 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 10.00000000 | 10.00000000 | mg/L | 399377.43380825 | - | - | 600.45512717 | 0.15 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 10.00000000 | 10.00000000 | mg/L | 1345792.99725351 | - | - | 7571.62734180 | 0.56 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 3.00000000 | 3.00000000 | mg/L | 4238766.43673251 | - | - | 17874.00312435 | 0.42 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 100.00000000 | 100.00000000 | mg/L | 747639.65890754 | - | - | 1226.64943788 | 0.16 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 5.00000000 | 5.00000000 | mg/L | 1040225.78470976 | - | - | 6159.20099773 | 0.59 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 5.00000000 | 5.00000000 | mg/L | 257735.27344363 | - | - | 397.35375558 | 0.15 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.438487493 |
| Cr 267.716 | Cr | n | 10.00000000 | 10.00000000 | mg/L | 533528.64037911 | - | - | 1958.89018070 | 0.37 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n | 10.00000000 | 10.00000000 | mg/L | 549649.29331889 | - | - | 853.16221453 | 0.16 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.228353279 |
| Fe 259.940 | Fe | n | 20.00000000 | 20.00000000 | mg/L | 855293.84904448 | - | - | 1987.87324858 | 0.23 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 200.00000000 | 200.00000000 | mg/L | 137918.70656284 | - | - | 128.99809791 | 0.09 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 10.00000000 | 10.00000000 | mg/L | 537143.99879808 | - | - | 428.01107757 | 0.08 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 100.00000000 | 100.00000000 | mg/L | 63612.43217199 | - | - | 155.79255201 | 0.24 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 10.00000000 | 10.00000000 | mg/L | 3547945.93845247 | - | - | 5707.83472528 | 0.16 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 10.00000000 | 10.00000000 | mg/L | 154755.16260327 | - | - | 379.09559367 | 0.24 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 200.00000000 | 200.00000000 | mg/L | 970237.19367131 | - | - | 705.57473969 | 0.07 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n | 10.00000000 | 10.00000000 | mg/L | 213964.01213595 | - | - | 205.40480342 | 0.10 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | n | | | mg/L | -5.15170135 | - | - | 1.12408405 | 21.82 | | Y (371.029 nm) | Linear | - | Fitted | - | - |
| Pb 220.353 | Pb | n | 10.00000000 | 10.00000000 | mg/L | 105492.62171252 | - | - | 15.75071716 | 0.01 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | | | mg/L | 276.93762610 | - | - | 2.77098677 | 1.00 | | Y (371.029 nm) | Linear | - | Fitted | - | - |
| Sb 206.834 | Sb | n | 30.00030000 | 30.00030000 | mg/L | 122937.96471072 | - | - | 242.67302282 | 0.20 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 30.00000000 | 30.00000000 | mg/L | 126609.86425717 | - | - | 66.07403034 | 0.05 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | | | mg/L | 953.81382514 | - | - | 49.71715517 | 5.21 | | Y (371.029 nm) | Linear | - | Fitted | - | - |
| Sn 189.925 | Sn | n | 10.00000000 | 10.00000000 | mg/L | 116934.82072699 | - | - | 113.37599480 | 0.10 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 50.00000000 | 50.00000000 | mg/L | 12704896.74706080 | - | - | 43110.60581968 | 0.34 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 10.00000000 | 10.00000000 | mg/L | 2652179.02033880 | - | - | 16363.04114867 | 0.62 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 30.00030000 | 30.00030000 | mg/L | 152956.80446909 | - | - | 220.47982029 | 0.14 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 5.00000000 | 5.00000000 | mg/L | 187834.34705233 | - | - | 722.74176543 | 0.38 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 30.00030000 | 30.00030000 | mg/L | 1091712.99565146 | - | - | 1184.00013111 | 0.11 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.93 | 0.93 | Ratio | 240601.64 | 0.01 | 1.13 | 2707.35 | 1.13 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.95 | 0.95 | Ratio | 40407.05 | 0.01 | 0.55 | 224.18 | 0.55 | | - | - | - | Fitted | - | - |

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | ICAL,L7,S19950 | **Rack:Tube:** | S1:8 | **Type:** | STD |
| **Date Time:** | 2/16/2024 8:55:06 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] | Cor Rep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 2.00000000 | 2.00000000 | mg/L | 115330.04639788 | - | - | 2499.12901815 | 2.17 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 | 2.0 |
| Al 396.152 | Al | n | | | mg/L | 146.21427421 | - | - | 33.49405565 | 22.91 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 | |
| As 188.980 | As | n | | | mg/L | 14.95087360 | - | - | 0.79670609 | 5.33 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 | |
| B 249.678 | B | n | | | mg/L | 11477.17541960 | - | - | 227.47498492 | 1.98 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 | |
| Ba 230.424 | Ba | n | | | mg/L | 70.90312917 | - | - | 15.48725563 | 21.84 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 | |
| Be 313.107 | Be | n | | | mg/L | 43.26484932 | - | - | 29.48846492 | 68.16 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 | |
| Ca 317.933 | Ca-R | n | | | mg/L | 958.39547228 | - | - | 10.96174451 | 1.14 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 | |
| Cd 214.439 | Cd | n | | | mg/L | 78.32943160 | - | - | 12.83895950 | 16.39 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 | |
| Co 230.786 | Co | n | | | mg/L | 41.05598738 | - | - | 8.68906756 | 21.16 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 | |
| Cr 267.716 | Cr | n | | | mg/L | -23.58626908 | - | - | 5.74674592 | 24.36 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 | |
| Cu 324.754 | Cu | n | | | mg/L | 1291.11366211 | - | - | 25.95938319 | 2.01 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 | |
| Fe 259.940 | Fe | n | | | mg/L | 57.07001986 | - | - | 4.72039941 | 8.27 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 | |
| K 766.491 | K-R | n | | | mg/L | 28.14872004 | - | - | 25.95524481 | 92.21 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 | |
| Li 670.783 | Li-R | n | | | mg/L | -116.96729609 | - | - | 45.03864449 | 38.51 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 | |
| Mg 279.800 | Mg-R | n | | | mg/L | 3.39315645 | - | - | 3.88618456 | > 100.00 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 | |
| Mn 257.610 | Mn | n | | | mg/L | 130.87815444 | - | - | 34.90863927 | 26.67 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 | |
| Mo 204.598 | Mo | n | | | mg/L | 54.68371721 | - | - | 15.63113707 | 28.58 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 | |
| Na 589.592 | Na-R | n | | | mg/L | 47.40680476 | - | - | 29.69714500 | 62.64 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 | |
| Ni 231.604 | Ni | n | | | mg/L | 3.82329882 | - | - | 8.99128200 | > 100.00 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 | |
| P 177.434 | P | n | | | mg/L | 0.95018645 | - | - | 0.20998802 | 22.10 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Pb 220.353 | Pb | n | | | mg/L | 46.03376080 | - | - | 6.64134492 | 14.43 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 | |
| S 181.972 | S | n | | | mg/L | 154.41161445 | - | - | 6.52704822 | 4.23 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sb 206.834 | Sb | n | | | mg/L | 62.16600121 | - | - | 5.10731012 | 8.22 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 | |
| Se 196.026 | Se | n | | | mg/L | 40.27329367 | - | - | 5.37066900 | 13.34 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 | |
| Si 251.611 | Si | n | | | mg/L | 7462.62418912 | - | - | 146.23229569 | 1.96 | | Y (371.029 nm) | Linear | - | Fitted | - | - | |
| Sn 189.925 | Sn | n | | | mg/L | 34.39770989 | - | - | 3.70558751 | 10.77 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 | |
| Sr 421.552 | Sr-R | n | | | mg/L | 128.99991075 | - | - | 13.92932148 | 10.80 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 | |
| Ti 334.941 | Ti | n | | | mg/L | 283.42640651 | - | - | 52.87079428 | 18.65 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 | |
| Tl 190.794 | Tl | n | | | mg/L | 18.71634727 | - | - | 6.92174380 | 36.98 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 | |
| V 292.401 | V | n | | | mg/L | -5.77441561 | - | - | 7.42855361 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 | |
| Zn 206.200 | Zn | n | | | mg/L | 135.06732551 | - | - | 24.70544514 | 18.29 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 | |
| Y 371.029 | Y | | 1.01 | 1.01 | Ratio | 261181.02 | 0.02 | 2.15 | 5618.98 | 2.15 | | - | - | - | Fitted | - | - | 1.0 |
| Y 371.029 | Y-R | | 0.99 | 0.99 | Ratio | 42268.18 | 0.01 | 1.25 | 529.20 | 1.25 | | - | - | - | Fitted | - | - | 1.0 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | ICAL,L8,S19713 | Rack:Tube: | S1:9 | Type: | STD |
| Date Time: | 2/16/2024 8:58:14 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] | Co Re |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | | | mg/L | 22.13868770 | - | - | 5.82752578 | 26.32 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 | |
| Al 396.152 | Al | n | | | mg/L | 145.77167656 | - | - | 23.66920583 | 16.24 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 | |
| As 188.980 | As | n | | | mg/L | 3.93290149 | - | - | 3.04431893 | 77.41 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 | |
| B 249.678 | B | n | | | mg/L | 211.81086140 | - | - | 8.95521272 | 4.23 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 | |
| Ba 230.424 | Ba | n | | | mg/L | 28.44145105 | - | - | 13.54017328 | 47.61 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 | |
| Be 313.107 | Be | n | | | mg/L | 14.00732670 | - | - | 3.99833985 | 28.54 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 | |
| Ca 317.933 | Ca-R | n | | | mg/L | 956.48582445 | - | - | 6.47889396 | 0.68 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 | |
| Cd 214.439 | Cd | n | | | mg/L | 43.86162810 | - | - | 2.32377533 | 5.30 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 | |
| Co 230.786 | Co | n | | | mg/L | 27.46674918 | - | - | 4.90842265 | 17.87 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 | |
| Cr 267.716 | Cr | n | | | mg/L | -14.92222594 | - | - | 5.66561801 | 37.97 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 | |
| Cu 324.754 | Cu | n | | | mg/L | 1230.40178851 | - | - | 4.62128418 | 0.38 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 | |
| Fe 259.940 | Fe | n | | | mg/L | 102.25062604 | - | - | 3.27057896 | 3.20 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 | |
| K 766.491 | K-R | n | | | mg/L | -16.04407754 | - | - | 18.79250208 | > 100.00 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 | |
| Li 670.783 | Li-R | n | | | mg/L | -104.17986859 | - | - | 12.34796469 | 11.85 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 | |
| Mg 279.800 | Mg-R | n | | | mg/L | 0.57312076 | - | - | 1.34472347 | > 100.00 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 | |
| Mn 257.610 | Mn | n | | | mg/L | 62.11072707 | - | - | 12.86319799 | 20.71 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 | |
| Mo 204.598 | Mo | n | | | mg/L | 13.97613937 | - | - | 6.25511247 | 44.76 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 | |
| Na 589.592 | Na-R | n | | | mg/L | 35.88181504 | - | - | 18.12745313 | 50.52 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 | |
| Ni 231.604 | Ni | n | | | mg/L | -6.54082655 | - | - | 1.04172045 | 15.93 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 | |
| P 177.434 | P | n | 10.00000000 | 10.00000000 | mg/L | 1679.18863104 | - | - | 21.55767136 | 1.28 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 | 1( |
| Pb 220.353 | Pb | n | | | mg/L | 29.29775943 | - | - | 9.67021549 | 33.01 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 | |
| S 181.972 | S | n | 10.00000000 | 10.00000000 | mg/L | 13832.50637665 | - | - | 149.33511193 | 1.08 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 | 1( |
| Sb 206.834 | Sb | n | | | mg/L | 23.13301666 | - | - | 6.51460862 | 28.16 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 | |
| Se 196.026 | Se | n | | | mg/L | 15.18877418 | - | - | 2.78534565 | 18.34 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 | |
| Si 251.611 | Si | n | 10.00000000 | 10.00000000 | mg/L | 46300.79032777 | - | - | 99.28014446 | 0.21 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 | 1( |
| Sn 189.925 | Sn | n | | | mg/L | 16.11514280 | - | - | 2.55200178 | 15.84 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 | |
| Sr 421.552 | Sr-R | n | | | mg/L | 47.58101282 | - | - | 7.10607459 | 14.93 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 | |
| Ti 334.941 | Ti | n | | | mg/L | 361.95358127 | - | - | 82.79998727 | 22.88 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 | |
| Tl 190.794 | Tl | n | | | mg/L | 3.96357570 | - | - | 3.02660676 | 76.36 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 | |
| V 292.401 | V | n | | | mg/L | 0.03503911 | - | - | 8.36002556 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 | |
| Zn 206.200 | Zn | n | | | mg/L | 49.15808437 | - | - | 5.05090371 | 10.27 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 | |
| Y 371.029 | Y | | 1.06 | 1.06 | Ratio | 273217.75 | 0.01 | 1.26 | 3439.73 | 1.26 | | - | - | - | Fitted | - | - | 1. |
| Y 371.029 | Y-R | | 1.06 | 1.06 | Ratio | 45401.52 | 0.02 | 1.81 | 819.52 | 1.81 | | - | - | - | Fitted | - | - | 1. |

Instrument ID: MET12

Label: ICV,S19980 | Rack:Tube: S1:12 | Type: QC

Date Time: 2/16/2024 9:11:38 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! | 0.46081829 | 0.46081829 | mg/L | 26600.54520539 | 0.00136352 | 0.29589146 | 78.60713178 | 0.30 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n! | 0.99943403 | 0.99943403 | mg/L | 49471.72790909 | 0.00195956 | 0.19606681 | 96.16769593 | 0.19 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n! | 0.95312992 | 0.95312992 | mg/L | 4854.72252256 | 0.00509740 | 0.53480665 | 25.97733237 | 0.54 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n! | 0.96412738 | 0.96412738 | mg/L | 37707.35295548 | 0.00269974 | 0.28001939 | 105.61236124 | 0.28 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n! | 0.96778294 | 0.96778294 | mg/L | 130334.26476516 | 0.00433587 | 0.44802042 | 583.74851650 | 0.45 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n! | 0.97520437 | 0.97520437 | mg/L | 1340876.87927320 | 0.00246665 | 0.25293707 | 3391.61521172 | 0.25 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n! | 48.82826511 | 48.82826511 | mg/L | 365289.63685204 | 0.03265563 | 0.06687854 | 243.65476254 | 0.07 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n! | 0.95046127 | 0.95046127 | mg/L | 206776.10589301 | 0.00180743 | 0.19016348 | 393.15098130 | 0.19 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n! | 0.95999014 | 0.95999014 | mg/L | 49939.53702778 | 0.00222328 | 0.23159378 | 115.60917925 | 0.23 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n! | 0.93245529 | 0.93245529 | mg/L | 49645.73664734 | 0.00080241 | 0.08605370 | 42.75193041 | 0.09 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n! | 0.91463693 | 0.91463693 | mg/L | 50623.07002092 | 0.00336000 | 0.36735847 | 181.23224474 | 0.36 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n! | 0.96494239 | 0.96494239 | mg/L | 41634.02759345 | 0.00106257 | 0.11011699 | 45.79207921 | 0.11 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n! | 55.05789704 | 55.05789704 | mg/L | 37607.83531941 | 0.22193130 | 0.40308714 | 152.28461827 | 0.40 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n! | 0.93194206 | 0.93194206 | mg/L | 49862.50089630 | 0.00432265 | 0.46383197 | 231.55273215 | 0.46 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n! | 47.90968058 | 47.90968058 | mg/L | 30653.16296263 | 0.02691936 | 0.05618773 | 17.22521061 | 0.06 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n! | 0.96094842 | 0.96094842 | mg/L | 347156.85039640 | 0.00134945 | 0.14042863 | 487.33583010 | 0.14 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n! | 0.94359712 | 0.94359712 | mg/L | 14310.65332255 | 0.00081961 | 0.08686051 | 12.43151895 | 0.09 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | nQ! | 33.15053680 | 33.15053680 | mg/L | 160500.48516929 | 0.10629622 | 0.32064705 | 514.79690285 | 0.32 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n! | 0.95197218 | 0.95197218 | mg/L | 20557.05644578 | 0.00305571 | 0.32098720 | 65.99825007 | 0.32 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | n! | 5.18682764 | 5.18682764 | mg/L | 871.81192801 | 0.04399054 | 0.84812028 | 7.37923387 | 0.85 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | n! | 0.95146338 | 0.95146338 | mg/L | 10266.91817603 | 0.00454768 | 0.47796687 | 48.50445994 | 0.47 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n! | 5.30143977 | 5.30143977 | mg/L | 7409.39093920 | 0.02955782 | 0.55754329 | 40.44084067 | 0.55 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n! | 0.96783671 | 0.96783671 | mg/L | 3902.52482158 | 0.00175507 | 0.18133918 | 7.11620777 | 0.18 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n! | 0.97404829 | 0.97404829 | mg/L | 4135.67056800 | 0.00355012 | 0.36447035 | 14.99413143 | 0.36 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n! | 5.26988544 | 5.26988544 | mg/L | 24419.43657621 | 0.05125139 | 0.97253327 | 237.15974589 | 0.97 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n! | 4.82011779 | 4.82011779 | mg/L | 56631.21129625 | 0.01126708 | 0.23375122 | 132.31781346 | 0.23 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n! | 0.99074749 | 0.99074749 | mg/L | 250902.95602412 | 0.00342859 | 0.34606054 | 867.70981908 | 0.35 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n! | 0.96359245 | 0.96359245 | mg/L | 250989.01571131 | 0.00501488 | 0.52043537 | 1306.08383175 | 0.52 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n! | 0.96960236 | 0.96960236 | mg/L | 4983.08744796 | 0.00146883 | 0.15148809 | 7.54254798 | 0.15 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n! | 0.97140248 | 0.97140248 | mg/L | 35360.74361523 | 0.00042693 | 0.04395013 | 15.54422667 | 0.04 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n! | 0.95117623 | 0.95117623 | mg/L | 37034.29039973 | 0.00092939 | 0.09770979 | 36.11266898 | 0.10 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | ! | 1.02 | 1.02 | Ratio | 262428.91 | 0.01 | 1.42 | 3716.34 | 1.42 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | ! | 1.02 | 1.02 | Ratio | 43376.01 | 0.00 | 0.10 | 45.42 | 0.10 | | - | - | - | Fitted | - | - |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193012 | File: | icp data | Time: | 16-FEB-2024 09:20 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 255125 | -1.16 |
| Yttrium | R | 42680 | 41865 | -1.91 |

Instrument ID: MET12

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label: | ICB | Rack:Tube: | S1:1 | Type: | QC | | |
| Date Time: | 2/16/2024 9:20:03 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 | -0.00010079 | -0.00010079 | mg/L | 24.10447015 | 0.00013135 | 130.31709485 | 7.57222133 | 31.41 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.00120491 | 0.00120491 | mg/L | 101.01220977 | 0.00055546 | 46.10016515 | 27.26008218 | 26.99 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00241862 | 0.00241862 | mg/L | 9.68587639 | 0.00097232 | 40.20154747 | 4.95513128 | 51.16 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00117559 | 0.00117559 | mg/L | 71.67325243 | 0.00040551 | 34.49448175 | 15.86349693 | 22.13 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 0.00005165 | 0.00005165 | mg/L | 39.84232850 | 0.00002197 | 42.53543993 | 2.95754876 | 7.42 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00001366 | 0.00001366 | mg/L | 2.60131121 | 0.00000103 | 7.57251135 | 1.42205702 | 54.67 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 0.00463569 | 0.00463569 | mg/L | 976.34919474 | 0.00098595 | 21.26875822 | 7.35653074 | 0.75 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | nu | 0.00001094 | 0.00001094 | mg/L | 28.48184534 | 0.00003145 | 287.54703418 | 6.84167353 | 24.02 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.00033213 | 0.00033213 | mg/L | 35.70903053 | 0.00006092 | 18.34358270 | 3.16801460 | 8.87 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00017001 | 0.00017001 | mg/L | -29.79893525 | 0.00013700 | 80.58139603 | 7.29924128 | 24.50 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n | 0.00110642 | 0.00110642 | mg/L | 1332.63983407 | 0.00032775 | 29.62262758 | 17.67829377 | 1.33 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | nu | -0.00013877 | -0.00013877 | mg/L | 9.02553698 | 0.00009064 | 65.31712046 | 3.90624063 | 43.28 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.26181371 | 0.26181371 | mg/L | 6.09977849 | 0.07855198 | 30.00300372 | 53.90072384 | > 100.00 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | nu | -0.00052343 | -0.00052343 | mg/L | -94.78929983 | 0.00090776 | 173.42489415 | 48.62623997 | 51.30 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.01089927 | 0.01089927 | mg/L | 3.22873225 | 0.00265140 | 24.32636064 | 1.69658023 | 52.55 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | nu | -0.00005203 | -0.00005203 | mg/L | 53.46668184 | 0.00001158 | 22.24802953 | 4.18037499 | 7.82 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00054980 | 0.00054980 | mg/L | 6.86288500 | 0.00016089 | 29.26375815 | 2.44033458 | 35.56 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.02234705 | 0.02234705 | mg/L | 55.44055005 | 0.00341114 | 15.26437352 | 16.52027389 | 29.80 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | -0.00030585 | -0.00030585 | mg/L | -13.33189138 | 0.00024479 | 80.03558878 | 5.28706885 | 39.66 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nu | -0.00466238 | -0.00466238 | mg/L | 0.94719917 | 0.00207146 | 44.42934350 | 0.34747961 | 36.69 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nZu | -0.00927903 | -0.00927903 | mg/L | 21.60946514 | 0.00024321 | 2.62105171 | 2.59399942 | 12.00 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 0.00385704 | 0.00385704 | mg/L | 155.84172409 | 0.00092771 | 24.05244354 | 1.26928933 | 0.81 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 0.00639590 | 0.00639590 | mg/L | 5.31638913 | 0.00321972 | 50.34034320 | 13.05487863 | > 100.00 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | nu | 0.00080965 | 0.00080965 | mg/L | 24.68202612 | 0.00142860 | 176.44651057 | 6.03378134 | 24.45 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | nu | -0.00031394 | -0.00031394 | mg/L | 25.51984483 | 0.00084550 | 269.32193195 | 3.91244338 | 15.33 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | nu | 0.00025178 | 0.00025178 | mg/L | 27.27581071 | 0.00031480 | 125.02831937 | 3.69695296 | 13.55 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | nu | -0.00003138 | -0.00003138 | mg/L | 31.19898635 | 0.00005335 | 170.02456475 | 13.50083744 | 43.27 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | nu | -0.00001178 | -0.00001178 | mg/L | 20.94123300 | 0.00003159 | 268.25965914 | 8.22809776 | 39.29 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 0.00081263 | 0.00081263 | mg/L | 7.69601290 | 0.00109896 | 135.23430413 | 5.64320860 | 73.33 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 0.00029485 | 0.00029485 | mg/L | 0.57151851 | 0.00014694 | 49.83622474 | 5.35009238 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | nu | -0.00016604 | -0.00016604 | mg/L | 44.19918612 | 0.00014414 | 86.81169183 | 5.60070308 | 12.67 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.99 | 0.99 | Ratio | 255124.92 | 0.01 | 1.18 | 3001.05 | 1.18 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.98 | 0.98 | Ratio | 41865.17 | 0.01 | 1.10 | 459.91 | 1.10 | | - | - | - | Fitted | - | - |

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193014 | File: | icp data | Time: | 16-FEB-2024 09:26 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19643

| Analyte | Ch | Quant | IQL | Units | Flags |
|---|---|---|---|---|---|
| Lead | A | 0.003440 | 0.003333 | mg/L | !a+ |

| Interferent | Ch | Spiked | Quant | Units | %Rec | Flags |
|---|---|---|---|---|---|---|
| Aluminum | A | 400.0 | 358.3 | mg/L | 90 | |
| Aluminum as Al2O3 | A | 755.8 | 677.1 | mg/L | 90 | |
| Iron | A | 160.0 | 133.2 | mg/L | 83 | |
| Iron as Fe2O3 | A | 228.8 | 190.4 | mg/L | 83 | |
| Calcium | R | 400.0 | 371.6 | mg/L | 93 | |
| Calcium as CaCO3 | R | 998.9 | 928.1 | mg/L | 93 | |
| Magnesium | R | 400.0 | 379.5 | mg/L | 95 | |
| Magnesium as MgCO3 | R | 1388 | 1316 | mg/L | 95 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 248875 | -3.58 |
| Yttrium | R | 42680 | 41776 | -2.12 |

*!=warning +=high bias a=ICSA*

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | ICSA,S19643 | Rack:Tube: | S1:14 | Type: | QC |
| Date Time: | 2/16/2024 9:26:18 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 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | -0.00041866 | -0.00041866 | mg/L | 36.03493113 | 0.00013668 | 32.64735194 | 7.87972587 | 21.87 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.0 |
| Al 396.152 | Al | no | 358.34867587 | 358.34867587 | mg/L | 17589777.43563360 | 1.77624424 | 0.49567484 | 87171.32960437 | 0.50 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2 |
| As 188.980 | As | nu | 0.00080737 | 0.00080737 | mg/L | 14.16400859 | 0.00178467 | 221.04723003 | 9.09500668 | 64.21 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19 |
| B 249.678 | B | nK | 0.01012986 | 0.01012986 | mg/L | 48.53117213 | 0.00026673 | 2.63310229 | 10.43429803 | 21.50 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4 |
| Ba 230.424 | Ba | nK | 0.00437005 | 0.00437005 | mg/L | 779.50553877 | 0.00009265 | 2.12015909 | 12.47397872 | 1.60 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.5 |
| Be 313.107 | Be | n | 0.00002144 | 0.00002144 | mg/L | 14.37739416 | 0.00000133 | 6.22298206 | 1.83415999 | 12.76 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986 |
| Ca 317.933 | Ca-R | no | 371.62988391 | 371.62988391 | mg/L | 2774076.76864884 | 0.82520329 | 0.22204977 | 6157.12269375 | 0.22 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34 |
| Cd 214.439 | Cd | nu | -0.00049888 | -0.00049888 | mg/L | 620.10855386 | 0.00003212 | 6.43794440 | 6.98619933 | 1.13 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.3 |
| Co 230.786 | Co | nu | -0.00128127 | -0.00128127 | mg/L | 33.73632962 | 0.00008094 | 6.31731204 | 4.20892475 | 12.48 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.43 |
| Cr 267.716 | Cr | nu | 0.00007156 | 0.00007156 | mg/L | 17.80511202 | 0.00024303 | 339.60367564 | 12.94867554 | 72.72 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.25 |
| Cu 324.754 | Cu | nKu | -0.00519057 | -0.00519057 | mg/L | 1060.66573852 | 0.00052741 | 10.16089497 | 28.44746028 | 2.68 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.22 |
| Fe 259.940 | Fe | no | 133.16906389 | 133.16906389 | mg/L | 5739402.73715589 | 1.05287180 | 0.79062792 | 45374.32055956 | 0.79 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7 |
| K 766.491 | K-R | n | 0.14182041 | 0.14182041 | mg/L | -7.68806912 | 0.10682966 | 75.32741922 | 73.30427553 | > 100.00 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179 |
| Li 670.783 | Li-R | nu | -0.00043849 | -0.00043849 | mg/L | -23.48257450 | 0.00125263 | 285.66980038 | 67.10002622 | > 100.00 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3 |
| Mg 279.800 | Mg-R | no | 379.49275820 | 379.49275820 | mg/L | 242852.90836747 | 1.35406877 | 0.35681017 | 866.44397467 | 0.36 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881 |
| Mn 257.610 | Mn | nu | -0.00020777 | -0.00020777 | mg/L | 757.69861059 | 0.00002129 | 10.24437134 | 7.68686679 | 1.01 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.5 |
| Mo 204.598 | Mo | nu | 0.00009646 | 0.00009646 | mg/L | 114.91706176 | 0.00043446 | 450.38936642 | 6.58966558 | 5.73 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5 |
| Na 589.592 | Na-R | n | 0.07640517 | 0.07640517 | mg/L | 369.01679993 | 0.00139548 | 1.82642034 | 6.75836417 | 1.83 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.04 |
| Ni 231.604 | Ni | nu | -0.00122797 | -0.00122797 | mg/L | 13.91047256 | 0.00019787 | 16.11354121 | 4.27366144 | 30.72 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3 |
| P 177.434 | P | n | 0.02132506 | 0.02132506 | mg/L | 2.01724049 | 0.00558654 | 26.19704583 | 0.93711885 | 46.46 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745 |
| Pb 220.353 | Pb | nK | 0.00344005 | 0.00344005 | mg/L | -621.67346123 | 0.00058244 | 16.93127854 | 6.21221687 | 1.00 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.75 |
| S 181.972 | S | n | 0.04863387 | 0.04863387 | mg/L | 378.44485992 | 0.00482395 | 9.91890585 | 6.60009713 | 1.74 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19 |
| Sb 206.834 | Sb | n | 0.00965716 | 0.00965716 | mg/L | 7.61407140 | 0.00241957 | 25.05469654 | 9.81054865 | > 100.00 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66 |
| Se 196.026 | Se | nK | 0.02238025 | 0.02238025 | mg/L | 97.75142936 | 0.00251252 | 11.22652536 | 10.61179870 | 10.86 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55 |
| Si 251.611 | Si | nu | -0.01697584 | -0.01697584 | mg/L | 41.66254183 | 0.00099995 | 5.89042341 | 4.62714602 | 11.11 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38 |
| Sn 189.925 | Sn | nu | -0.00046463 | -0.00046463 | mg/L | 21.92104981 | 0.00063531 | 136.73491921 | 7.46097394 | 34.04 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.74 |
| Sr 421.552 | Sr-R | nu | -0.00135972 | -0.00135972 | mg/L | 666.44104859 | 0.00009945 | 7.31415895 | 25.16938397 | 3.78 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.9 |
| Ti 334.941 | Ti | nu | -0.00023375 | -0.00023375 | mg/L | 15.60591521 | 0.00003698 | 15.82183215 | 9.63218176 | 61.72 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.9 |
| Tl 190.794 | Tl | nu | -0.00040140 | -0.00040140 | mg/L | 7.74009583 | 0.00141476 | 352.45501115 | 7.26487334 | 93.86 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064 |
| V 292.401 | V | n | 0.00033513 | 0.00033513 | mg/L | -247.98518353 | 0.00015536 | 46.35685599 | 5.65636629 | 2.28 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.08 |
| Zn 206.200 | Zn | nKu | -0.03794820 | -0.03794820 | mg/L | 81.85042251 | 0.00008067 | 0.21257945 | 3.13453353 | 3.83 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.21 |
| Y 371.029 | Y | | 0.96 | 0.96 | Ratio | 248875.25 | 0.01 | 1.08 | 2685.90 | 1.08 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.98 | 0.98 | Ratio | 41776.03 | 0.00 | 0.28 | 118.57 | 0.28 | | - | - | - | Fitted | - | - |

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193015 | File: | icp data | Time: | 16-FEB-2024 09:29 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19885

| Analyte | Ch | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|
| Lead | A | 1.000 | 1.006 | mg/L | 1 | 20 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 235504 | -8.76 |
| Yttrium | R | 42680 | 39696 | -6.99 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | ICSAB,S19885 | Rack:Tube: | S1:15 | Type: | QC |
| Date Time: | 2/16/2024 9:29:26 AM | Weight: | - | Volume: | - |
| Dilution: | - | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 1.04417170 | 1.04417170 | mg/L | 60258.64240044 | 0.00298246 | 0.28562915 | 171.93894172 | 0.29 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.06 |
| Al 396.152 | Al | no | 381.39736709 | 381.39736709 | mg/L | 18721132.99142320 | 0.40749590 | 0.10684287 | 19998.35316467 | 0.11 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.20 |
| As 188.980 | As | nu | 0.00054781 | 0.00054781 | mg/L | 13.61259840 | 0.00162864 | 297.29852418 | 8.29985380 | 60.97 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190 |
| B 249.678 | B | n | 0.01072133 | 0.01072133 | mg/L | 47.33021090 | 0.00030134 | 2.81066993 | 11.78828697 | 24.91 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.40 |
| Ba 230.424 | Ba | n | 0.52142401 | 0.52142401 | mg/L | 70401.57822369 | 0.00112926 | 0.21657292 | 152.03556580 | 0.22 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.5 |
| Be 313.107 | Be | n | 0.52316157 | 0.52316157 | mg/L | 719325.09048346 | 0.00348754 | 0.66662740 | 4795.31832588 | 0.67 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986 |
| Ca 317.933 | Ca-R | no | 394.88202424 | 394.88202424 | mg/L | 2947586.37554499 | 0.81106549 | 0.20539438 | 6051.63580361 | 0.21 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340 |
| Cd 214.439 | Cd | n | 0.97089455 | 0.97089455 | mg/L | 211963.08146638 | 0.00244150 | 0.25146870 | 531.07251951 | 0.25 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.3 |
| Co 230.786 | Co | n | 0.48641667 | 0.48641667 | mg/L | 25399.07530848 | 0.00234217 | 0.48151549 | 121.79161019 | 0.48 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.43 |
| Cr 267.716 | Cr | n | 0.50224381 | 0.50224381 | mg/L | 26776.55083288 | 0.00129338 | 0.25751971 | 68.91015727 | 0.26 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.25 |
| Cu 324.754 | Cu | n | 0.52597274 | 0.52597274 | mg/L | 29714.09600242 | 0.00379023 | 0.72061392 | 204.43844261 | 0.69 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.22 |
| Fe 259.940 | Fe | no | 140.76936315 | 140.76936315 | mg/L | 6066966.25194701 | 0.35103605 | 0.24936964 | 15128.16874952 | 0.25 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.76 |
| K 766.491 | K-R | n | 0.13903536 | 0.13903536 | mg/L | -5.30699270 | 0.02841682 | 20.43855264 | 19.49902459 | > 100.00 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.1790 |
| Li 670.783 | Li-R | nu | 0.00019094 | 0.00019094 | mg/L | 14.40478802 | 0.00062320 | 326.37887618 | 33.38302167 | > 100.00 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.36 |
| Mg 279.800 | Mg-R | no | 404.69113194 | 404.69113194 | mg/L | 258978.60830858 | 0.85169049 | 0.21045445 | 544.98124823 | 0.21 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.8818 |
| Mn 257.610 | Mn | n | 0.50775050 | 0.50775050 | mg/L | 184249.29565721 | 0.00243365 | 0.47930133 | 878.88411741 | 0.48 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.5 |
| Mo 204.598 | Mo | n | 0.00053882 | 0.00053882 | mg/L | 128.70589275 | 0.00024462 | 45.39849893 | 3.71023206 | 2.88 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.54 |
| Na 589.592 | Na-R | n | 5.21692592 | 5.21692592 | mg/L | 25268.07289922 | 0.00439465 | 0.08423829 | 21.28346459 | 0.08 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040 |
| Ni 231.604 | Ni | n | 0.96890730 | 0.96890730 | mg/L | 20970.26425932 | 0.00333795 | 0.34450691 | 72.09424789 | 0.34 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.34 |
| P 177.434 | P | n | 0.01950573 | 0.01950573 | mg/L | 1.50191710 | 0.00630831 | 32.34079271 | 1.05819285 | 70.46 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.7459 |
| Pb 220.353 | Pb | n | 1.00581184 | 1.00581184 | mg/L | 10021.56163754 | 0.00440174 | 0.43763016 | 46.94785928 | 0.47 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.75 |
| S 181.972 | S | n | 0.06347124 | 0.06347124 | mg/L | 408.76521140 | 0.00499845 | 7.87514458 | 6.83885301 | 1.67 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194 |
| Sb 206.834 | Sb | n | 0.01769888 | 0.01769888 | mg/L | 39.63479914 | 0.00230789 | 13.03975809 | 9.35772550 | 23.61 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664 |
| Se 196.026 | Se | n | 0.02321805 | 0.02321805 | mg/L | 100.05976248 | 0.00346338 | 14.91676581 | 14.62780159 | 14.62 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559 |
| Si 251.611 | Si | nu | -0.01856917 | -0.01856917 | mg/L | 40.13106402 | 0.00168017 | 9.04817418 | 7.77479087 | 19.37 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381 |
| Sn 189.925 | Sn | nu | -0.00123564 | -0.00123564 | mg/L | 13.06296382 | 0.00033870 | 27.41116764 | 3.97765762 | 30.45 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.74 |
| Sr 421.552 | Sr-R | nu | -0.00141134 | -0.00141134 | mg/L | 716.14584030 | 0.00003640 | 2.57894197 | 9.21154627 | 1.29 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.9 |
| Ti 334.941 | Ti | nu | -0.00026077 | -0.00026077 | mg/L | 11.68979362 | 0.00001199 | 4.59809036 | 3.12280895 | 26.71 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.9 |
| Tl 190.794 | Tl | nu | -0.00012521 | -0.00012521 | mg/L | 9.55445157 | 0.00103885 | 829.66931311 | 5.33457838 | 55.83 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064 |
| V 292.401 | V | n | 0.52854055 | 0.52854055 | mg/L | 18966.92139912 | 0.00088846 | 0.16809628 | 32.34790217 | 0.17 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.08 |
| Zn 206.200 | Zn | n | 0.91977187 | 0.91977187 | mg/L | 37393.78183080 | 0.00250612 | 0.27247186 | 97.37832074 | 0.26 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.21 |
| Y 371.029 | Y | | 0.91 | 0.91 | Ratio | 235503.92 | 0.01 | 1.03 | 2414.11 | 1.03 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.93 | 0.93 | Ratio | 39696.06 | 0.01 | 0.57 | 225.50 | 0.57 | | - | - | - | Fitted | - | - |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193123 | File: | icp data | Time: | 16-FEB-2024 15:45 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10591 | 1.000 | 0.9818 | mg/L | -2 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 260367 | 0.87 |
| Yttrium | R | 42680 | 42341 | -0.79 |

**Instrument ID:** MET12

**Label:** CCV,S19980 | **Rack:Tube:** S1:12 | **Type:** QC

**Date Time:** 2/16/2024 3:45:02 PM | **Weight:** - | **Volume:** -

**Dilution:** - | **%RSE limit:** - | **Calibration Coefficient [3]:** -

**LIMS ID:** | **Customer:** | **Customer Ref.:**

**Sample Date Time:** | **Sample Site:** | **Description:**

**Replicates:** 3 | **Flags Replicate 1:** | **Flags Replicate 2:**

**Flags Replicate 3:**

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 0.46642467 | 0.46642467 | mg/L | 26923.84851547 | 0.00079598 | 0.17065644 | 45.88851444 | 0.17 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 1.02546636 | 1.02546636 | mg/L | 50757.55864322 | 0.00363828 | 0.35479291 | 178.55307746 | 0.35 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.99341059 | 0.99341059 | mg/L | 5060.00074145 | 0.00343025 | 0.34530018 | 17.48119980 | 0.35 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.98762012 | 0.98762012 | mg/L | 38625.60027793 | 0.00360484 | 0.36500269 | 141.01919081 | 0.37 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 0.99283923 | 0.99283923 | mg/L | 133707.80904845 | 0.00315908 | 0.31818608 | 425.31443753 | 0.32 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 1.00498886 | 1.00498886 | mg/L | 1381830.16052636 | 0.00112994 | 0.11243318 | 1553.65360987 | 0.11 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 50.21814412 | 50.21814412 | mg/L | 375660.57067109 | 0.09291313 | 0.18501904 | 693.25649696 | 0.18 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.97737311 | 0.97737311 | mg/L | 212630.07300040 | 0.00406299 | 0.41570467 | 883.77786517 | 0.42 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.98019257 | 0.98019257 | mg/L | 50990.10032622 | 0.00289515 | 0.29536508 | 150.54599778 | 0.30 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.95189684 | 0.95189684 | mg/L | 50681.64720284 | 0.00092982 | 0.09768088 | 49.54018393 | 0.10 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n | 0.93512852 | 0.93512852 | mg/L | 51728.74217790 | 0.00039381 | 0.04211318 | 21.24154034 | 0.04 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.98653361 | 0.98653361 | mg/L | 42565.30604451 | 0.00117896 | 0.11950525 | 50.80816327 | 0.12 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 56.31347681 | 56.31347681 | mg/L | 38469.43847669 | 0.03360126 | 0.05966823 | 23.05647968 | 0.06 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.95396615 | 0.95396615 | mg/L | 51042.45787987 | 0.00086005 | 0.09015510 | 46.07057005 | 0.09 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 48.90904532 | 48.90904532 | mg/L | 31292.64531163 | 0.17459339 | 0.35697566 | 111.71913366 | 0.36 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 0.98739944 | 0.98739944 | mg/L | 356710.44714112 | 0.00113940 | 0.11539423 | 411.48079634 | 0.12 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.98052417 | 0.98052417 | mg/L | 14870.74911740 | 0.00053687 | 0.05475357 | 8.14302838 | 0.05 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | nQ | 34.30814530 | 34.30814530 | mg/L | 166106.91630805 | 0.06246899 | 0.18208210 | 302.53986067 | 0.18 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n | 0.96903608 | 0.96903608 | mg/L | 20925.67242706 | 0.00107789 | 0.11123283 | 23.28055775 | 0.11 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nQ | 6.38575889 | 6.38575889 | mg/L | 1072.92840197 | 0.02273249 | 0.35598728 | 3.81328269 | 0.36 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | n | 0.98181268 | 0.98181268 | mg/L | 10590.56679915 | 0.00193694 | 0.19728204 | 20.65893755 | 0.20 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | nQ | 5.63542003 | 5.63542003 | mg/L | 7866.46085473 | 0.01984704 | 0.35218392 | 27.15461004 | 0.35 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 0.99262765 | 0.99262765 | mg/L | 4003.01915464 | 0.00344380 | 0.34693724 | 13.96343222 | 0.35 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 1.01306155 | 1.01306155 | mg/L | 4300.45804187 | 0.00232543 | 0.22954467 | 9.82158712 | 0.23 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 5.40778565 | 5.40778565 | mg/L | 25057.70842000 | 0.08342026 | 1.54259557 | 386.01740085 | 1.54 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 4.92384359 | 4.92384359 | mg/L | 57849.35817198 | 0.00884007 | 0.17953598 | 103.81557648 | 0.18 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 1.01043268 | 1.01043268 | mg/L | 255887.36482944 | 0.00136589 | 0.13517912 | 345.68175395 | 0.14 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.99071223 | 0.99071223 | mg/L | 258052.29394927 | 0.00326891 | 0.32995585 | 851.36191491 | 0.33 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 1.00110013 | 1.00110013 | mg/L | 5144.84440203 | 0.00172860 | 0.17266984 | 8.87646276 | 0.17 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 0.99627194 | 0.99627194 | mg/L | 36266.28884667 | 0.00165102 | 0.16572019 | 60.11225532 | 0.17 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.97138753 | 0.97138753 | mg/L | 37820.14173366 | 0.00122020 | 0.12561405 | 47.41232535 | 0.13 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 1.01 | 1.01 | Ratio | 260366.86 | 0.01 | 0.69 | 1806.98 | 0.69 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.99 | 0.99 | Ratio | 42341.27 | 0.00 | 0.24 | 102.52 | 0.24 | | - | - | - | Fitted | - | - |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193124 | File: | icp data | Time: | 16-FEB-2024 15:48 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 270375 | 4.74 |
| Yttrium | R | 42680 | 43495 | 1.91 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | CCB | Rack:Tube: | S1:1 | Type: | QC |
| Date Time: | 2/16/2024 3:48:09 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 | -0.00011606 | -0.00011606 | mg/L | 23.22398295 | 0.00007856 | 67.68892876 | 4.52894598 | 19.50 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.00120873 | 0.00120873 | mg/L | 101.16892077 | 0.00022693 | 18.77396633 | 11.13670920 | 11.01 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00256994 | 0.00256994 | mg/L | 10.45717154 | 0.00116797 | 45.44725157 | 5.95219367 | 56.92 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00145538 | 0.00145538 | mg/L | 82.62253614 | 0.00020378 | 14.00173305 | 7.97170602 | 9.65 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | nu | 0.00001374 | 0.00001374 | mg/L | 34.73890779 | 0.00005492 | 399.85279860 | 7.39421844 | 21.29 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00002448 | 0.00002448 | mg/L | 17.47589517 | 0.00000125 | 5.11918521 | 1.72280032 | 9.86 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 0.00320199 | 0.00320199 | mg/L | 965.65150747 | 0.00295169 | 92.18282271 | 22.02355408 | 2.28 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.00008378 | 0.00008378 | mg/L | 44.32038526 | 0.00002395 | 28.58258225 | 5.20874922 | 11.75 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | nu | 0.00002035 | 0.00002035 | mg/L | 19.49646203 | 0.00013706 | 673.37755160 | 7.12691871 | 36.55 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00023890 | 0.00023890 | mg/L | -26.12914683 | 0.00004913 | 20.56645130 | 2.61780198 | 10.02 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nu | -0.00069483 | -0.00069483 | mg/L | 1235.48543282 | 0.00043993 | 63.31403694 | 23.72888500 | 1.92 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.00031369 | 0.00031369 | mg/L | 28.52376325 | 0.00018711 | 59.64960216 | 8.06377072 | 28.27 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.31923788 | 0.31923788 | mg/L | 45.50321151 | 0.03378756 | 10.58381918 | 23.18431687 | 50.95 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | nu | -0.00034106 | -0.00034106 | mg/L | -85.02029275 | 0.00068278 | 200.19344101 | 36.57473514 | 43.02 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.00796702 | 0.00796702 | mg/L | 1.35220680 | 0.00261545 | 32.82846820 | 1.67357979 | > 100.00 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | nu | 0.00000209 | 0.00000209 | mg/L | 73.00494383 | 0.00002871 | 1376.64356194 | 10.36734728 | 14.20 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00132826 | 0.00132826 | mg/L | 18.67087325 | 0.00028964 | 21.80557708 | 4.39305532 | 23.53 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.06633836 | 0.06633836 | mg/L | 268.49194147 | 0.01247813 | 18.80982974 | 60.43210202 | 22.51 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | 0.00012479 | 0.00012479 | mg/L | -4.03111917 | 0.00036259 | 290.56637201 | 7.83124928 | > 100.00 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nu | 0.00004524 | 0.00004524 | mg/L | 1.73689200 | 0.00092605 | 2046.93258132 | 0.15534091 | 8.94 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nZu | -0.00903861 | -0.00903861 | mg/L | 24.16909513 | 0.00143968 | 15.92814433 | 15.35531579 | 63.53 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | nu | 0.00090286 | 0.00090286 | mg/L | 151.80009359 | 0.00243558 | 269.76295643 | 3.33235042 | 2.20 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 0.00267699 | 0.00267699 | mg/L | -9.76278967 | 0.00139128 | 51.97164671 | 5.64116163 | 57.78 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | nu | 0.00038685 | 0.00038685 | mg/L | 22.89655736 | 0.00069190 | 178.85710532 | 2.92229378 | 12.76 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 0.00193243 | 0.00193243 | mg/L | 35.91451950 | 0.00054533 | 28.22008256 | 2.52347159 | 7.03 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 0.00020847 | 0.00020847 | mg/L | 26.76714612 | 0.00011456 | 54.95178937 | 1.34535045 | 5.03 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | nu | -0.00002244 | -0.00002244 | mg/L | 33.44433469 | 0.00001167 | 52.00025717 | 2.95353072 | 8.83 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.00016017 | 0.00016017 | mg/L | 65.72449803 | 0.00005225 | 32.62151454 | 13.60815856 | 20.70 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | nu | 0.00025331 | 0.00025331 | mg/L | 4.82385434 | 0.00077732 | 306.86248158 | 3.99159623 | 82.75 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | nu | -0.00015465 | -0.00015465 | mg/L | -15.79251301 | 0.00012446 | 80.47547934 | 4.53138489 | 28.69 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | nu | 0.00019576 | 0.00019576 | mg/L | 58.24576075 | 0.00028452 | 145.33999281 | 11.05541264 | 18.98 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 1.05 | 1.05 | Ratio | 270375.11 | 0.01 | 1.11 | 3007.59 | 1.11 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 1.02 | 1.02 | Ratio | 43495.21 | 0.01 | 0.69 | 299.91 | 0.69 | | - | - | - | Fitted | - | - |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193135 | File: | icp data | Time: | 16-FEB-2024 16:22 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10763 | 1.000 | 0.9980 | mg/L | 0 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 256474 | -0.64 |
| Yttrium | R | 42680 | 42206 | -1.11 |

**Instrument ID:** MET12

| | | | | | |
|---|---|---|---|---|---|
| **Label:** | CCV,S19980 | **Rack:Tube:** | S1:12 | **Type:** | QC |
| **Date Time:** | 2/16/2024 4:22:29 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 | 0.47354074 | 0.47354074 | mg/L | 27334.11682630 | 0.00084987 | 0.17947129 | 48.99504295 | 0.18 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 1.03545656 | 1.03545656 | mg/L | 51250.07742768 | 0.00269515 | 0.26028610 | 132.26771635 | 0.26 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 1.00947921 | 1.00947921 | mg/L | 5141.88981931 | 0.00346507 | 0.34325316 | 17.65865269 | 0.34 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 1.00529955 | 1.00529955 | mg/L | 39317.01077705 | 0.00305503 | 0.30389225 | 119.51085275 | 0.30 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 1.01178913 | 1.01178913 | mg/L | 136259.12140254 | 0.00341182 | 0.33720615 | 459.34131910 | 0.34 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 1.02259637 | 1.02259637 | mg/L | 1406040.25756003 | 0.00040239 | 0.03934988 | 553.28147781 | 0.04 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 50.40439660 | 50.40439660 | mg/L | 377050.40779491 | 0.32968870 | 0.65408718 | 2459.91961261 | 0.65 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.99565578 | 0.99565578 | mg/L | 216606.92115062 | 0.00556959 | 0.55938947 | 1211.49419208 | 0.56 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.99920301 | 0.99920301 | mg/L | 51978.64346683 | 0.00505038 | 0.50544063 | 262.61681959 | 0.51 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.97284282 | 0.97284282 | mg/L | 51797.65609275 | 0.00093924 | 0.09654616 | 50.04214091 | 0.10 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n | 0.94773409 | 0.94773409 | mg/L | 52408.77111792 | 0.00161105 | 0.16998963 | 86.89716483 | 0.17 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 1.00539885 | 1.00539885 | mg/L | 43378.52505510 | 0.00050602 | 0.05032981 | 21.80711964 | 0.05 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 56.39774537 | 56.39774537 | mg/L | 38527.27317404 | 0.31619279 | 0.56064792 | 216.96487535 | 0.56 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.95696624 | 0.95696624 | mg/L | 51203.21133283 | 0.00558263 | 0.58336715 | 299.04662819 | 0.58 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 49.18468652 | 49.18468652 | mg/L | 31469.02442929 | 0.29580456 | 0.60141597 | 189.27995649 | 0.60 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 1.00741954 | 1.00741954 | mg/L | 363940.74602715 | 0.00096929 | 0.09621515 | 350.04708168 | 0.10 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.99891052 | 0.99891052 | mg/L | 15149.62602852 | 0.00090087 | 0.09018532 | 13.66399381 | 0.09 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | nQ | 34.40018970 | 34.40018970 | mg/L | 166552.71363698 | 0.19880646 | 0.57792257 | 962.82777353 | 0.58 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n | 0.98894284 | 0.98894284 | mg/L | 21355.64138883 | 0.00131844 | 0.13331861 | 28.47622550 | 0.13 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nQ | 6.53807681 | 6.53807681 | mg/L | 1098.47926923 | 0.02937562 | 0.44930061 | 4.92764070 | 0.45 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | n | 0.99801777 | 0.99801777 | mg/L | 10763.38968537 | 0.00390645 | 0.39142118 | 41.66528909 | 0.39 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | nQ | 5.72974343 | 5.72974343 | mg/L | 7995.54641001 | 0.02398551 | 0.41861408 | 32.81683983 | 0.41 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 1.01425776 | 1.01425776 | mg/L | 4090.71444092 | 0.00132579 | 0.13071490 | 5.37561697 | 0.13 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 1.02952127 | 1.02952127 | mg/L | 4369.98056660 | 0.00088469 | 0.08593250 | 3.73655496 | 0.09 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | nQ | 5.56009177 | 5.56009177 | mg/L | 25762.52744980 | 0.08138342 | 1.46370635 | 376.59213913 | 1.46 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 5.01892150 | 5.01892150 | mg/L | 58965.93335617 | 0.02989516 | 0.59564916 | 351.08132116 | 0.60 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 1.01317025 | 1.01317025 | mg/L | 256580.89867001 | 0.00661138 | 0.65254431 | 1673.21554444 | 0.65 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 1.00855905 | 1.00855905 | mg/L | 262700.38691670 | 0.00156945 | 0.15561304 | 408.75037929 | 0.16 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 1.01636840 | 1.01636840 | mg/L | 5223.25151347 | 0.00311840 | 0.30681764 | 16.01317328 | 0.31 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 1.01448585 | 1.01448585 | mg/L | 36929.46837895 | 0.00076367 | 0.07527696 | 27.80467328 | 0.08 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.99230349 | 0.99230349 | mg/L | 38632.95778106 | 0.00431177 | 0.43452088 | 167.53890537 | 0.43 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.99 | 0.99 | Ratio | 256474.26 | 0.01 | 0.70 | 1791.93 | 0.70 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.99 | 0.99 | Ratio | 42206.14 | 0.00 | 0.21 | 90.11 | 0.21 | | - | - | - | Fitted | - | - |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193136 | File: | icp data | Time: | 16-FEB-2024 16:25 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 263696 | 2.16 |
| Yttrium | R | 42680 | 42957 | 0.65 |

Instrument ID: MET12

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 2/16/2024 4:25:36 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 | -0.00006720 | -0.00006720 | mg/L | 26.04000637 | 0.00001391 | 20.69795375 | 0.80189272 | 3.08 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.00062031 | 0.00062031 | mg/L | 72.26391644 | 0.00044080 | 71.06040829 | 21.63257938 | 29.94 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00240892 | 0.00240892 | mg/L | 9.63609925 | 0.00034686 | 14.39902027 | 1.76766754 | 18.34 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00140222 | 0.00140222 | mg/L | 80.53905457 | 0.00013151 | 9.37869848 | 5.14458762 | 6.39 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | nu | 0.00003707 | 0.00003707 | mg/L | 37.87825002 | 0.00007466 | 201.40600968 | 10.05224816 | 26.54 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00002767 | 0.00002767 | mg/L | 21.86223524 | 0.00000426 | 15.38880792 | 5.85392242 | 26.78 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 0.00350899 | 0.00350899 | mg/L | 967.94289852 | 0.00148296 | 42.26169673 | 11.06485198 | 1.14 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.00009098 | 0.00009098 | mg/L | 45.89169329 | 0.00003933 | 43.23376961 | 8.55604085 | 18.64 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.00020452 | 0.00020452 | mg/L | 29.07321510 | 0.00016821 | 82.24669725 | 8.74680156 | 30.09 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00019902 | 0.00019902 | mg/L | -28.25503640 | 0.00014484 | 72.77756538 | 7.71712540 | 27.31 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nu | -0.00035205 | -0.00035205 | mg/L | 1253.96973762 | 0.00021277 | 60.43821378 | 11.47658469 | 0.92 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | nu | 0.00008809 | 0.00008809 | mg/L | 18.79856103 | 0.00015200 | 172.55337691 | 6.55056760 | 34.85 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.30587150 | 0.30587150 | mg/L | 36.33122988 | 0.05187708 | 16.96041485 | 35.59696418 | 97.98 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | nu | 0.00051928 | 0.00051928 | mg/L | -38.93362403 | 0.00075360 | 145.12394609 | 40.36851840 | > 100.00 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.00557139 | 0.00557139 | mg/L | -0.18056857 | 0.00274259 | 49.22642874 | 1.75493659 | > 100.00 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | nu | -0.00001682 | -0.00001682 | mg/L | 66.17875924 | 0.00001600 | 95.10926580 | 5.77693467 | 8.73 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00111792 | 0.00111792 | mg/L | 15.47767435 | 0.00081155 | 72.59424736 | 12.30917488 | 79.53 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.03628425 | 0.03628425 | mg/L | 122.93846912 | 0.00576357 | 15.88450179 | 27.91321721 | 22.71 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | -0.00009093 | -0.00009093 | mg/L | -8.69005874 | 0.00041600 | 457.48135023 | 8.98500520 | > 100.00 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nu | -0.00143268 | -0.00143268 | mg/L | 1.48902653 | 0.00518766 | 362.09487133 | 0.87020841 | 58.44 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nZu | -0.00898636 | -0.00898636 | mg/L | 24.74694733 | 0.00063947 | 7.11601511 | 6.82044151 | 27.56 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 0.00767408 | 0.00767408 | mg/L | 161.06110836 | 0.00205401 | 26.76552379 | 2.81028126 | 1.74 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | nu | 0.00171417 | 0.00171417 | mg/L | -13.66574433 | 0.00190298 | 111.01487748 | 7.71593981 | 56.46 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | nu | 0.00004894 | 0.00004894 | mg/L | 21.46908610 | 0.00196162 | 4007.86499771 | 8.28503393 | 38.59 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 0.00399989 | 0.00399989 | mg/L | 45.48062927 | 0.00056475 | 14.11900612 | 2.61329237 | 5.75 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 0.00021517 | 0.00021517 | mg/L | 26.84608497 | 0.00022797 | 105.95010375 | 2.67727461 | 9.97 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | nu | -0.00001476 | -0.00001476 | mg/L | 35.36676267 | 0.00006398 | 433.37556581 | 16.19276558 | 45.79 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.00018550 | 0.00018550 | mg/L | 72.32160789 | 0.00011953 | 64.43570430 | 31.12984939 | 43.04 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | nu | 0.00002194 | 0.00002194 | mg/L | 3.63573122 | 0.00038808 | 1768.88401056 | 1.99280114 | 54.81 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 0.00021137 | 0.00021137 | mg/L | -2.46898685 | 0.00020863 | 98.70265582 | 7.59589247 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | nu | -0.00029038 | -0.00029038 | mg/L | 39.36487712 | 0.00006810 | 23.45379159 | 2.64628108 | 6.72 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 1.02 | 1.02 | Ratio | 263695.89 | 0.01 | 0.76 | 1998.40 | 0.76 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 1.01 | 1.01 | Ratio | 42956.75 | 0.01 | 0.96 | 411.31 | 0.96 | | - | - | - | Fitted | - | - |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193147 | File: | icp data | Time: | 16-FEB-2024 16:59 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10704 | 1.000 | 0.9925 | mg/L | -1 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 255184 | -1.14 |
| Yttrium | R | 42680 | 42109 | -1.34 |

Instrument ID: MET12

Label: CCV,S19980 | Rack:Tube: S1:12 | Type: QC

Date Time: 2/16/2024 4:59:56 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 | 0.46999363 | 0.46999363 | mg/L | 27129.59530711 | 0.00151244 | 0.32180067 | 87.19241891 | 0.32 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 1.02688741 | 1.02688741 | mg/L | 50826.99307565 | 0.00143295 | 0.13954296 | 70.32370380 | 0.14 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 1.00456360 | 1.00456360 | mg/L | 5116.83839641 | 0.00032754 | 0.03260521 | 1.66920645 | 0.03 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 1.00141404 | 1.00141404 | mg/L | 39165.21423903 | 0.00398098 | 0.39753629 | 155.73373092 | 0.40 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 1.00311321 | 1.00311321 | mg/L | 135091.03205797 | 0.00433653 | 0.43230731 | 583.83825307 | 0.43 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 1.01382686 | 1.01382686 | mg/L | 1393982.28741677 | 0.00223027 | 0.21998492 | 3066.58605710 | 0.22 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 50.07822052 | 50.07822052 | mg/L | 374616.59156459 | 0.18234777 | 0.36412590 | 1360.55878984 | 0.36 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.99092837 | 0.99092837 | mg/L | 215578.57724944 | 0.00059942 | 0.06049116 | 130.38631139 | 0.06 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.99065028 | 0.99065028 | mg/L | 51533.89428233 | 0.00384181 | 0.38780690 | 199.77196928 | 0.39 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.96485739 | 0.96485739 | mg/L | 51372.16435197 | 0.00206197 | 0.21370763 | 109.86044018 | 0.21 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n | 0.94295839 | 0.94295839 | mg/L | 52151.09877238 | 0.00121655 | 0.12901392 | 65.61841986 | 0.13 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.99858839 | 0.99858839 | mg/L | 43084.83504864 | 0.00204628 | 0.20491762 | 88.18616519 | 0.20 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 56.11656160 | 56.11656160 | mg/L | 38334.32844470 | 0.13206729 | 0.23534459 | 90.62181205 | 0.24 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.95008505 | 0.95008505 | mg/L | 50834.57022018 | 0.00164599 | 0.17324673 | 88.17142133 | 0.17 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 48.72926484 | 48.72926484 | mg/L | 31177.60554879 | 0.16047285 | 0.32931516 | 102.68366061 | 0.33 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 0.99978015 | 0.99978015 | mg/L | 361181.59101779 | 0.00142156 | 0.14218679 | 513.37696356 | 0.14 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.99503332 | 0.99503332 | mg/L | 15090.81949444 | 0.00272568 | 0.27392880 | 41.34190972 | 0.27 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | nQ | 34.23246676 | 34.23246676 | mg/L | 165740.40081592 | 0.12724754 | 0.37171597 | 616.26503330 | 0.37 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n | 0.98027322 | 0.98027322 | mg/L | 21168.37753720 | 0.00192992 | 0.19687568 | 41.68306532 | 0.20 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nQ | 6.48632178 | 6.48632178 | mg/L | 1089.79771498 | 0.02731551 | 0.42112486 | 4.58206644 | 0.42 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | n | 0.99246298 | 0.99246298 | mg/L | 10704.14388667 | 0.00183932 | 0.18532843 | 19.61770361 | 0.18 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | nQ | 5.74453893 | 5.74453893 | mg/L | 8015.75564497 | 0.01477132 | 0.25713677 | 20.21003694 | 0.25 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 1.01272571 | 1.01272571 | mg/L | 4084.51001480 | 0.00313623 | 0.30968240 | 12.71637268 | 0.31 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 1.02446712 | 1.02446712 | mg/L | 4348.63255322 | 0.00520570 | 0.50813745 | 21.98658889 | 0.51 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 5.44479417 | 5.44479417 | mg/L | 25228.96499442 | 0.05924068 | 1.08802428 | 274.12925677 | 1.09 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 4.97826426 | 4.97826426 | mg/L | 58488.46330495 | 0.02536982 | 0.50961175 | 297.93681415 | 0.51 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 1.00984966 | 1.00984966 | mg/L | 255739.49972485 | 0.00334213 | 0.33095288 | 845.82856252 | 0.33 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.99935007 | 0.99935007 | mg/L | 260301.98000979 | 0.00626843 | 0.62725084 | 1632.56227958 | 0.63 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 1.01069678 | 1.01069678 | mg/L | 5194.12423669 | 0.00218188 | 0.21587878 | 11.20409456 | 0.22 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 1.00704899 | 1.00704899 | mg/L | 36658.67618711 | 0.00160757 | 0.15963196 | 58.53022017 | 0.16 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.98361375 | 0.98361375 | mg/L | 38295.16204452 | 0.00171240 | 0.17409252 | 66.53730434 | 0.17 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.99 | 0.99 | Ratio | 255183.83 | 0.01 | 0.81 | 2067.76 | 0.81 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.99 | 0.99 | Ratio | 42108.53 | 0.00 | 0.14 | 59.92 | 0.14 | | - | - | - | Fitted | - | - |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193148 | File: | icp data | Time: | 16-FEB-2024 17:03 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 266900 | 3.40 |
| Yttrium | R | 42680 | 42928 | 0.58 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | CCB | Rack:Tube: | S1:1 | Type: | QC |
| Date Time: | 2/16/2024 5:03:03 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 | -0.00011736 | -0.00011736 | mg/L | 23.14937775 | 0.00004490 | 38.25632489 | 2.58828649 | 11.18 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.00098698 | 0.00098698 | mg/L | 90.29948747 | 0.00037743 | 38.24049094 | 18.52260137 | 20.51 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00181713 | 0.00181713 | mg/L | 6.62110823 | 0.00041314 | 22.73569909 | 2.10543154 | 31.80 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00263916 | 0.00263916 | mg/L | 128.93326314 | 0.00052484 | 19.88672357 | 20.53155381 | 15.92 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 0.00007971 | 0.00007971 | mg/L | 43.62402982 | 0.00008278 | 103.85423927 | 11.14535557 | 25.55 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00002887 | 0.00002887 | mg/L | 23.51775145 | 0.00000490 | 16.97523072 | 6.73843118 | 28.65 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | nu | 0.00107605 | 0.00107605 | mg/L | 949.78961080 | 0.00208300 | 193.57917658 | 15.54199056 | 1.64 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.00005256 | 0.00005256 | mg/L | 37.53183641 | 0.00004112 | 78.23198027 | 8.94394534 | 23.83 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | nu | -0.00000305 | -0.00000305 | mg/L | 18.27976515 | 0.00018818 | 6167.58787558 | 9.78547009 | 53.53 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00019069 | 0.00019069 | mg/L | -28.69720641 | 0.00009656 | 50.63593856 | 5.14447318 | 17.93 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nu | -0.00044050 | -0.00044050 | mg/L | 1249.20643792 | 0.00028837 | 65.46301136 | 15.55391555 | 1.25 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.00031420 | 0.00031420 | mg/L | 28.54857895 | 0.00016236 | 51.67475163 | 6.99715364 | 24.51 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.25370863 | 0.25370863 | mg/L | 0.53914559 | 0.07836703 | 30.88859453 | 53.77381621 | > 100.00 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | nu | -0.00059467 | -0.00059467 | mg/L | -98.60563074 | 0.00059668 | 100.33718174 | 31.96232934 | 32.41 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.01011810 | 0.01011810 | mg/L | 2.72872713 | 0.00115250 | 11.39052951 | 0.73746698 | 27.03 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | nu | -0.00002737 | -0.00002737 | mg/L | 62.36795920 | 0.00002107 | 76.95128896 | 7.60749613 | 12.20 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00122949 | 0.00122949 | mg/L | 17.17570021 | 0.00047072 | 38.28539431 | 7.13961732 | 41.57 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.05282790 | 0.05282790 | mg/L | 203.06049512 | 0.01431509 | 27.09760478 | 69.32858421 | 34.14 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | -0.00024163 | -0.00024163 | mg/L | -11.94509312 | 0.00011007 | 45.55245769 | 2.37732055 | 19.90 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nu | -0.00012763 | -0.00012763 | mg/L | 1.70783547 | 0.00874957 | 6855.60354784 | 1.46770449 | 85.94 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nZu | -0.00847171 | -0.00847171 | mg/L | 30.19518130 | 0.00042786 | 5.05050780 | 4.56350110 | 15.11 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 0.02196846 | 0.02196846 | mg/L | 180.62506503 | 0.00459185 | 20.90199305 | 6.28253586 | 3.48 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | nu | 0.00158499 | 0.00158499 | mg/L | -14.19113462 | 0.00188532 | 118.94813878 | 7.64433512 | 53.87 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 0.00118394 | 0.00118394 | mg/L | 26.26316541 | 0.00034290 | 28.96283580 | 1.44826821 | 5.51 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 0.00364893 | 0.00364893 | mg/L | 43.85827025 | 0.00135248 | 37.06503494 | 6.25842831 | 14.27 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 0.00037345 | 0.00037345 | mg/L | 28.70440871 | 0.00025898 | 69.34910067 | 3.04141660 | 10.60 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | nu | -0.00001074 | -0.00001074 | mg/L | 36.41524520 | 0.00014664 | 1365.73167590 | 37.11297107 | > 100.00 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.00011816 | 0.00011816 | mg/L | 54.78237385 | 0.00006517 | 55.15764706 | 16.97383417 | 30.98 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 0.00008395 | 0.00008395 | mg/L | 3.95420094 | 0.00006763 | 80.56154191 | 0.34730620 | 8.78 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | nu | 0.00003715 | 0.00003715 | mg/L | -8.80967056 | 0.00016105 | 433.53725565 | 5.86371535 | 66.56 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | nu | -0.00002056 | -0.00002056 | mg/L | 49.84548912 | 0.00029517 | 1435.71907974 | 11.46914464 | 23.01 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 1.03 | 1.03 | Ratio | 266899.81 | 0.01 | 0.53 | 1419.57 | 0.53 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 1.01 | 1.01 | Ratio | 42927.65 | 0.02 | 1.77 | 761.47 | 1.77 | | - | - | - | Fitted | - | - |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193159 | File: | icp data | Time: | 16-FEB-2024 17:37 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10969 | 1.000 | 1.017 | mg/L | 2 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 252144 | -2.32 |
| Yttrium | R | 42680 | 41290 | -3.26 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | CCV,S19980 | Rack:Tube: | S1:12 | Type: | QC |
| Date Time: | 2/16/2024 5:37:23 PM | Weight: | - | Volume: | - |
| Dilution: | - | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | Flags Replicate 1: | | Flags Replicate 2: | |
| Flags Replicate 3: | | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 0.47889251 | 0.47889251 | mg/L | 27642.73145746 | 0.00054465 | 0.11373171 | 31.39926008 | 0.11 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 1.04799435 | 1.04799435 | mg/L | 51872.80869847 | 0.00130739 | 0.12475197 | 64.16192035 | 0.12 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 1.02854796 | 1.02854796 | mg/L | 5239.06742749 | 0.00277473 | 0.26977198 | 14.14057362 | 0.27 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 1.01858447 | 1.01858447 | mg/L | 39835.99547617 | 0.00274330 | 0.26932496 | 107.31634711 | 0.27 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 1.02517929 | 1.02517929 | mg/L | 138062.00795411 | 0.00151970 | 0.14823725 | 204.60072834 | 0.15 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 1.03841257 | 1.03841257 | mg/L | 1427787.31598161 | 0.00107210 | 0.10324389 | 1474.11961599 | 0.10 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 51.35820208 | 51.35820208 | mg/L | 384167.59510924 | 0.09085318 | 0.17690102 | 677.88653713 | 0.18 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 1.01048801 | 1.01048801 | mg/L | 219833.36920239 | 0.00357440 | 0.35373025 | 777.50142500 | 0.35 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 1.01046343 | 1.01046343 | mg/L | 52564.22586534 | 0.00239256 | 0.23677888 | 124.41198517 | 0.24 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.98518870 | 0.98518870 | mg/L | 52455.50585077 | 0.00055292 | 0.05612293 | 29.45899412 | 0.06 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n | 0.96293858 | 0.96293858 | mg/L | 53229.20982557 | 0.00133581 | 0.13872186 | 72.05102329 | 0.14 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 1.03870113 | 1.03870113 | mg/L | 44814.41792132 | 0.01131156 | 1.08901043 | 487.48054138 | 1.09 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 57.51140276 | 57.51140276 | mg/L | 39291.48817175 | 0.09965645 | 0.17328120 | 68.38217158 | 0.17 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.97295492 | 0.97295492 | mg/L | 52059.84946998 | 0.00398056 | 0.40912084 | 213.22820055 | 0.41 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 50.06879222 | 50.06879222 | mg/L | 32034.75552372 | 0.03908729 | 0.07806717 | 25.01124532 | 0.08 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 1.02186276 | 1.02186276 | mg/L | 369157.77812943 | 0.00090261 | 0.08832976 | 325.96595851 | 0.09 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 1.01671892 | 1.01671892 | mg/L | 15419.73613526 | 0.00087171 | 0.08573757 | 13.22170034 | 0.09 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | nQ | 35.10907255 | 35.10907255 | mg/L | 169985.94027981 | 0.07614376 | 0.21687772 | 368.76730424 | 0.22 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n | 1.00278276 | 1.00278276 | mg/L | 21654.62021000 | 0.00135528 | 0.13515196 | 29.27181568 | 0.14 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nQ | 6.75970238 | 6.75970238 | mg/L | 1135.65657322 | 0.01155717 | 0.17097161 | 1.93866869 | 0.17 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | n | 1.01725895 | 1.01725895 | mg/L | 10968.58768626 | 0.00331576 | 0.32595082 | 35.36514185 | 0.32 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | nQ | 5.85285239 | 5.85285239 | mg/L | 8164.08836870 | 0.02832578 | 0.48396547 | 38.75517447 | 0.47 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 1.02897296 | 1.02897296 | mg/L | 4150.35997533 | 0.00186164 | 0.18092189 | 7.54831417 | 0.18 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 1.05177145 | 1.05177145 | mg/L | 4463.96484573 | 0.00145844 | 0.13866551 | 6.15982605 | 0.14 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | nQ | 5.53770292 | 5.53770292 | mg/L | 25659.06471346 | 0.07133627 | 1.28819246 | 330.10016437 | 1.29 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 5.07881797 | 5.07881797 | mg/L | 59669.35825837 | 0.01339763 | 0.26379421 | 157.33838885 | 0.26 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 1.03557862 | 1.03557862 | mg/L | 262254.22481323 | 0.00329944 | 0.31860814 | 835.02483655 | 0.32 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 1.02591986 | 1.02591986 | mg/L | 267222.00609223 | 0.00176618 | 0.17215595 | 459.98781442 | 0.17 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 1.03569363 | 1.03569363 | mg/L | 5322.50036591 | 0.00507680 | 0.49018354 | 26.06969501 | 0.49 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 1.02975870 | 1.02975870 | mg/L | 37485.58192631 | 0.00043374 | 0.04212079 | 15.79216382 | 0.04 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 1.00418629 | 1.00418629 | mg/L | 39095.23156014 | 0.00416909 | 0.41517058 | 161.99490592 | 0.41 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.98 | 0.98 | Ratio | 252144.44 | 0.01 | 0.72 | 1809.17 | 0.72 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.97 | 0.97 | Ratio | 41289.61 | 0.00 | 0.51 | 211.22 | 0.51 | | - | - | - | Fitted | - | - |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193160 | File: | icp data | Time: | 16-FEB-2024 17:40 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 263915 | 2.24 |
| Yttrium | R | 42680 | 42810 | 0.30 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | CCB | Rack:Tube: | S1:1 | Type: | QC |
| Date Time: | 2/16/2024 5:40:30 PM | Weight: | - | Volume: | - |
| Dilution: | - | %RSE limit: | - | Calibration Coefficient [3]: | - |
| LIMS ID: | | Customer: | | Customer Ref.: | |
| Sample Date Time: | | Sample Site: | | Description: | |
| Replicates: | 3 | | | | |

| Element | Element Label | Flags | Unadjusted Data | Concentration | Unit | Intensity | Concentration SD | Concentration % RSD | Intensity SD | Intensity % RSD | %RSE | Internal Standard | Calibration fit | Correlation coefficient | Background correction | Calibration Coefficient [1] | Calibration Coefficient [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | nu | -0.00007435 | -0.00007435 | mg/L | 25.62724413 | 0.00015469 | 208.04779559 | 8.91768567 | 34.80 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.00151531 | 0.00151531 | mg/L | 116.13878225 | 0.00052921 | 34.92396609 | 25.97149560 | 22.36 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00261483 | 0.00261483 | mg/L | 10.68587679 | 0.00093441 | 35.73511622 | 4.76193678 | 44.56 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00149789 | 0.00149789 | mg/L | 84.28605470 | 0.00013958 | 9.31869565 | 5.46045110 | 6.48 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | nu | -0.00004614 | -0.00004614 | mg/L | 26.67886093 | 0.00006572 | 142.43966720 | 8.84783695 | 33.16 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00002214 | 0.00002214 | mg/L | 14.25969602 | 0.00000033 | 1.50621985 | 0.45845756 | 3.22 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | nu | -0.00020014 | -0.00020014 | mg/L | 940.26923989 | 0.00389608 | 1946.69308142 | 29.07001015 | 3.09 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.00003815 | 0.00003815 | mg/L | 34.40784814 | 0.00003052 | 79.99769609 | 6.63880283 | 19.29 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.00033644 | 0.00033644 | mg/L | 35.93393809 | 0.00013694 | 40.70352686 | 7.12099189 | 19.82 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00021196 | 0.00021196 | mg/L | -27.56595765 | 0.00011615 | 54.79713002 | 6.18834706 | 22.45 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nu | -0.00059147 | -0.00059147 | mg/L | 1241.05733096 | 0.00032364 | 54.71772814 | 17.45637038 | 1.41 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.00115521 | 0.00115521 | mg/L | 64.78739527 | 0.00042869 | 37.10895590 | 18.47452305 | 28.52 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.31283265 | 0.31283265 | mg/L | 41.10943235 | 0.05484620 | 17.53212136 | 37.63431523 | 91.55 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | nu | 0.00009293 | 0.00009293 | mg/L | -61.77221041 | 0.00033922 | 365.02847596 | 18.17120670 | 29.42 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.01126464 | 0.01126464 | mg/L | 3.46265359 | 0.00291848 | 25.90836573 | 1.86748436 | 53.93 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | nu | -0.00002719 | -0.00002719 | mg/L | 62.43292478 | 0.00001292 | 47.52615510 | 4.66749272 | 7.48 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00192222 | 0.00192222 | mg/L | 27.68054452 | 0.00024039 | 12.50562392 | 3.64605248 | 13.17 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.03927206 | 0.03927206 | mg/L | 137.40848332 | 0.00373668 | 9.51485320 | 18.09688624 | 13.17 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | -0.00005923 | -0.00005923 | mg/L | -8.00523274 | 0.00008263 | 139.50169119 | 1.78469928 | 22.29 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | n | 0.00246724 | 0.00246724 | mg/L | 2.14315311 | 0.00208895 | 84.66749708 | 0.35041226 | 16.35 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nZu | -0.00897022 | -0.00897022 | mg/L | 24.89370112 | 0.00049757 | 5.54695968 | 5.30700922 | 21.32 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 0.00806125 | 0.00806125 | mg/L | 161.59395720 | 0.00136320 | 16.91051492 | 1.86512103 | 1.15 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 0.00174044 | 0.00174044 | mg/L | -13.55957448 | 0.00148670 | 85.42097270 | 6.02808844 | 44.46 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | nu | -0.00078439 | -0.00078439 | mg/L | 17.94932842 | 0.00092328 | 117.70744891 | 3.89953117 | 21.73 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 0.00167578 | 0.00167578 | mg/L | 34.72672180 | 0.00162766 | 97.12836609 | 7.53179413 | 21.69 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | nu | 0.00015277 | 0.00015277 | mg/L | 26.11321622 | 0.00046719 | 305.81189554 | 5.48659676 | 21.01 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | nu | -0.00005355 | -0.00005355 | mg/L | 25.52381550 | 0.00006089 | 113.71011916 | 15.40919503 | 60.37 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.00015003 | 0.00015003 | mg/L | 63.08484630 | 0.00009055 | 60.35408028 | 23.58227149 | 37.38 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | nu | 0.00017668 | 0.00017668 | mg/L | 4.43032032 | 0.00084152 | 476.30083354 | 4.32125464 | 97.54 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 0.00032882 | 0.00032882 | mg/L | 1.80336945 | 0.00030042 | 91.36541443 | 10.93816060 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | nu | -0.00040727 | -0.00040727 | mg/L | 34.83748375 | 0.00013744 | 33.74746552 | 5.34055930 | 15.33 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 1.02 | 1.02 | Ratio | 263914.81 | 0.01 | 0.88 | 2311.99 | 0.88 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 1.00 | 1.00 | Ratio | 42809.53 | 0.01 | 0.53 | 226.70 | 0.53 | | - | - | - | Fitted | - | - |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193171 | File: | icp data | Time: | 16-FEB-2024 18:14 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10075 | 1.000 | 0.9334 | mg/L | -7 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 270515 | 4.80 |
| Yttrium | R | 42680 | 43620 | 2.20 |

Instrument ID: MET12

Label: CCV,S19980 | Rack:Tube: S1:12 | Type: QC
Date Time: 2/16/2024 6:14:58 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 | nQ | 0.44342782 | 0.44342782 | mg/L | 25597.90166721 | 0.00093299 | 0.21040474 | 53.78711616 | 0.21 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.97265147 | 0.97265147 | mg/L | 48150.40907056 | 0.00285762 | 0.29379656 | 140.24098206 | 0.29 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.94276163 | 0.94276163 | mg/L | 4801.88223737 | 0.00460851 | 0.48883120 | 23.48585967 | 0.49 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.93318996 | 0.93318996 | mg/L | 36497.66602230 | 0.00593991 | 0.63651661 | 232.36570431 | 0.64 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 0.94519611 | 0.94519611 | mg/L | 127293.25610591 | 0.00313385 | 0.33155562 | 421.91827405 | 0.33 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.95293127 | 0.95293127 | mg/L | 1310251.67297811 | 0.00354540 | 0.37205232 | 4874.88125419 | 0.37 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 48.06114446 | 48.06114446 | mg/L | 359565.57419842 | 0.32995295 | 0.68652744 | 2461.89126671 | 0.68 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.93040177 | 0.93040177 | mg/L | 202412.65521961 | 0.00132585 | 0.14250309 | 288.39826347 | 0.14 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.93304306 | 0.93304306 | mg/L | 48538.26965218 | 0.00237118 | 0.25413363 | 123.29982929 | 0.25 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.90351899 | 0.90351899 | mg/L | 48103.94181444 | 0.00322502 | 0.35694046 | 171.82693772 | 0.36 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nQ | 0.88424802 | 0.88424802 | mg/L | 48983.71628195 | 0.00174845 | 0.19773254 | 94.30808281 | 0.19 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.95360914 | 0.95360914 | mg/L | 41145.08046086 | 0.00852446 | 0.89391577 | 367.36827065 | 0.89 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | nQ | 53.87757065 | 53.87757065 | mg/L | 36797.90809482 | 0.26541288 | 0.49262222 | 182.12076936 | 0.49 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.90738449 | 0.90738449 | mg/L | 48546.91552599 | 0.00365063 | 0.40232462 | 195.55470954 | 0.40 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 47.05918867 | 47.05918867 | mg/L | 30108.94066368 | 0.27692895 | 0.58846945 | 177.20179788 | 0.59 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 0.93451770 | 0.93451770 | mg/L | 337610.92325047 | 0.00326197 | 0.34905360 | 1178.01893109 | 0.35 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.93272878 | 0.93272878 | mg/L | 14145.80786230 | 0.00453380 | 0.48607868 | 68.76654061 | 0.49 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | nQ | 32.75814611 | 32.75814611 | mg/L | 158600.05490655 | 0.17289446 | 0.52779073 | 837.33489389 | 0.53 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n | 0.92154631 | 0.92154631 | mg/L | 19899.86639333 | 0.00208086 | 0.22580047 | 44.94304046 | 0.23 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nQ | 6.39234805 | 6.39234805 | mg/L | 1074.03340391 | 0.01419637 | 0.22208385 | 2.38138381 | 0.22 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | n | 0.93344440 | 0.93344440 | mg/L | 10074.74837165 | 0.00128307 | 0.13745546 | 13.68491959 | 0.14 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 5.36886427 | 5.36886427 | mg/L | 7501.54572983 | 0.01039831 | 0.19367801 | 14.22690657 | 0.19 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 0.94627180 | 0.94627180 | mg/L | 3815.10665736 | 0.00224578 | 0.23732895 | 9.10587127 | 0.24 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 0.95878560 | 0.95878560 | mg/L | 4071.20327110 | 0.00362678 | 0.37826813 | 15.31792294 | 0.38 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 5.08317805 | 5.08317805 | mg/L | 23555.36635771 | 0.06753914 | 1.32867941 | 312.52938692 | 1.33 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 4.68533424 | 4.68533424 | mg/L | 55048.34148692 | 0.02136759 | 0.45605263 | 250.93563121 | 0.46 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 0.96463465 | 0.96463465 | mg/L | 244291.60568022 | 0.00536924 | 0.55660872 | 1358.85251404 | 0.56 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.94568843 | 0.94568843 | mg/L | 246326.03481112 | 0.00652510 | 0.68998442 | 1699.41021685 | 0.69 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 0.95154103 | 0.95154103 | mg/L | 4890.33237090 | 0.00218790 | 0.22993187 | 11.23498817 | 0.23 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 0.94722932 | 0.94722932 | mg/L | 34480.56556010 | 0.00376056 | 0.39700624 | 136.91851284 | 0.40 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.92905075 | 0.92905075 | mg/L | 36174.14834742 | 0.00302344 | 0.32543349 | 117.47952582 | 0.32 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 1.05 | 1.05 | Ratio | 270515.13 | 0.00 | 0.43 | 1152.00 | 0.43 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 1.02 | 1.02 | Ratio | 43620.01 | 0.00 | 0.44 | 191.88 | 0.44 | | - | - | - | Fitted | - | - |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193172 | File: | icp data | Time: | 16-FEB-2024 18:18 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 259312 | 0.46 |
| Yttrium | R | 42680 | 42315 | -0.86 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | CCB | Rack:Tube: | S1:1 | Type: | QC |
| Date Time: | 2/16/2024 6:18:05 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 | -0.00003369 | -0.00003369 | mg/L | 27.97299189 | 0.00015958 | 473.70456322 | 9.19987491 | 32.89 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.06555538 |
| Al 396.152 | Al | n | 0.00136411 | 0.00136411 | mg/L | 108.83376332 | 0.00053328 | 39.09357352 | 26.17133349 | 24.05 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.20686384 |
| As 188.980 | As | n | 0.00228674 | 0.00228674 | mg/L | 9.01378938 | 0.00064477 | 28.19587930 | 3.28585820 | 36.45 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.190416859 |
| B 249.678 | B | n | 0.00113300 | 0.00113300 | mg/L | 70.00434080 | 0.00010039 | 8.86034867 | 3.92709667 | 5.61 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.40413785 |
| Ba 230.424 | Ba | nu | -0.00003192 | -0.00003192 | mg/L | 28.59259157 | 0.00007731 | 242.22769605 | 10.40841553 | 36.40 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.5329494 |
| Be 313.107 | Be | n | 0.00002414 | 0.00002414 | mg/L | 17.01172353 | 0.00000279 | 11.56510603 | 3.83841284 | 22.56 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.540213 |
| Ca 317.933 | Ca-R | nu | -0.00066285 | -0.00066285 | mg/L | 936.81719923 | 0.00145206 | 219.06401526 | 10.83433192 | 1.16 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.340479683 |
| Cd 214.439 | Cd | n | 0.00006651 | 0.00006651 | mg/L | 40.57229155 | 0.00001140 | 17.14216980 | 2.47995032 | 6.11 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.3140453 |
| Co 230.786 | Co | nu | 0.00014503 | 0.00014503 | mg/L | 25.98039382 | 0.00016354 | 112.76245024 | 8.50391043 | 32.73 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.43848749 |
| Cr 267.716 | Cr | n | 0.00018366 | 0.00018366 | mg/L | -29.07228894 | 0.00013598 | 74.04209252 | 7.24502483 | 24.92 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.25999270 |
| Cu 324.754 | Cu | nu | -0.00054787 | -0.00054787 | mg/L | 1243.41060323 | 0.00012118 | 22.11932212 | 6.53648054 | 0.53 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.22835327 |
| Fe 259.940 | Fe | n | 0.00140316 | 0.00140316 | mg/L | 75.47775874 | 0.00046371 | 33.04774621 | 19.98401702 | 26.48 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.76966668 |
| K 766.491 | K-R | n | 0.24384062 | 0.24384062 | mg/L | -6.23262292 | 0.01315524 | 5.39501498 | 9.02684896 | > 100.00 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.1790805199 |
| Li 670.783 | Li-R | nu | 0.00000029 | 0.00000029 | mg/L | -66.73441727 | 0.00055434 | 192341.60797426 | 29.69449471 | 44.50 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.36957450 |
| Mg 279.800 | Mg-R | n | 0.01432912 | 0.01432912 | mg/L | 5.42352425 | 0.00377430 | 26.34009491 | 2.41510861 | 44.53 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.8818086919 |
| Mn 257.610 | Mn | nu | -0.00002039 | -0.00002039 | mg/L | 64.89587543 | 0.00004440 | 217.71012389 | 16.03312118 | 24.71 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.5244072 |
| Mo 204.598 | Mo | n | 0.00164696 | 0.00164696 | mg/L | 23.50392650 | 0.00023906 | 14.51525700 | 3.62595050 | 15.43 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.54262612 |
| Na 589.592 | Na-R | n | 0.02988487 | 0.02988487 | mg/L | 91.94671978 | 0.00207966 | 6.95889778 | 10.07186611 | 10.95 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.040669688 |
| Ni 231.604 | Ni | nu | 0.00016799 | 0.00016799 | mg/L | -3.09739118 | 0.00036898 | 219.64015014 | 7.96925563 | > 100.00 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.34372148 |
| P 177.434 | P | nu | 0.00328766 | 0.00328766 | mg/L | 2.28078923 | 0.00627780 | 190.95043100 | 1.05307485 | 46.17 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.7459375506 |
| Pb 220.353 | Pb | nZu | -0.00862726 | -0.00862726 | mg/L | 28.56208263 | 0.00044680 | 5.17893514 | 4.76546495 | 16.68 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.75985355 |
| S 181.972 | S | n | 0.00951461 | 0.00951461 | mg/L | 163.58237151 | 0.00027833 | 2.92533848 | 0.38081565 | 0.23 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.194217886 |
| Sb 206.834 | Sb | nu | -0.00036205 | -0.00036205 | mg/L | -22.08470368 | 0.00088082 | 243.28737241 | 3.57142110 | 16.17 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.664171950 |
| Se 196.026 | Se | n | 0.00138966 | 0.00138966 | mg/L | 27.13164261 | 0.00022402 | 16.12035087 | 0.94615068 | 3.49 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.559568506 |
| Si 251.611 | Si | n | 0.00246466 | 0.00246466 | mg/L | 38.37784392 | 0.00131123 | 53.20109192 | 6.06755521 | 15.81 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.381791517 |
| Sn 189.925 | Sn | n | 0.00036162 | 0.00036162 | mg/L | 28.56584016 | 0.00016240 | 44.90795549 | 1.90715572 | 6.68 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.74969609 |
| Sr 421.552 | Sr-R | nu | -0.00004458 | -0.00004458 | mg/L | 27.85263793 | 0.00005114 | 114.69597004 | 12.94167371 | 46.46 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.9488784 |
| Ti 334.941 | Ti | n | 0.00015763 | 0.00015763 | mg/L | 65.06267283 | 0.00008705 | 55.22395018 | 22.67122527 | 34.85 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.9047421 |
| Tl 190.794 | Tl | nu | -0.00004033 | -0.00004033 | mg/L | 3.31605802 | 0.00051437 | 1275.49323186 | 2.64131466 | 79.65 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.064745275 |
| V 292.401 | V | nu | -0.00023166 | -0.00023166 | mg/L | -18.59969244 | 0.00012736 | 54.97423039 | 4.63688893 | 24.93 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.08023226 |
| Zn 206.200 | Zn | nu | 0.00021298 | 0.00021298 | mg/L | 58.93268618 | 0.00021192 | 99.50160025 | 8.23449743 | 13.97 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.21594994 |
| Y 371.029 | Y | | 1.00 | 1.00 | Ratio | 259312.04 | 0.01 | 0.57 | 1487.88 | 0.57 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.99 | 0.99 | Ratio | 42314.66 | 0.00 | 0.27 | 116.00 | 0.27 | | - | - | - | Fitted | - | - |

ENTHALPY CONTINUING CALIBRATION FOR 502501 METALS Wipe
EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193183 | File: | icp data | Time: | 16-FEB-2024 18:52 |
| Cal: | 794068193001 | Caldate: | 16-FEB-2024 | | |

Standards: S19980

| Analyte | Ch | ICAL Avg RF/CF | Run RF/CF | Spiked | Quant | Units | %D | Max %D | Flags |
|---|---|---|---|---|---|---|---|---|---|
| Lead | A | 12836 | 10767 | 1.000 | 0.9984 | mg/L | 0 | 10 | |

| ISTD (ICALBLK 001 ) | Ch | ICALBLK Abund | Abund | %Drift |
|---|---|---|---|---|
| Yttrium | A | 258127 | 245855 | -4.75 |
| Yttrium | R | 42680 | 38750 | -9.21 |

Instrument ID: MET12

Label: CCV,S19980 | Rack:Tube: S1:12 | Type: QC

Date Time: 2/16/2024 6:52:34 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] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ag 328.068 | Ag | n | 0.47001889 | 0.47001889 | mg/L | 27131.18679295 | 0.00134119 | 0.28534755 | 77.31954012 | 0.28 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 1.02209632 | 1.02209632 | mg/L | 50603.75418427 | 0.00294255 | 0.28789356 | 144.40916506 | 0.29 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 1.00000713 | 1.00000713 | mg/L | 5093.61620328 | 0.00461141 | 0.46113800 | 23.50063787 | 0.46 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.98698749 | 0.98698749 | mg/L | 38599.69961701 | 0.00317788 | 0.32197789 | 124.31683018 | 0.32 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | n | 1.00649233 | 1.00649233 | mg/L | 135546.19245791 | 0.00255957 | 0.25430573 | 344.60108122 | 0.25 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 1.01800697 | 1.01800697 | mg/L | 1399729.88842948 | 0.00573320 | 0.56317880 | 7883.07199213 | 0.56 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | n | 51.40664152 | 51.40664152 | mg/L | 384529.25896248 | 0.83377828 | 1.62192717 | 6221.10366393 | 1.62 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.99532039 | 0.99532039 | mg/L | 216534.12719693 | 0.00314303 | 0.31578104 | 683.67040466 | 0.32 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.99255429 | 0.99255429 | mg/L | 51632.97505182 | 0.00121517 | 0.12242823 | 63.18798409 | 0.12 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.96536353 | 0.96536353 | mg/L | 51399.23726476 | 0.00471027 | 0.48792668 | 250.95949993 | 0.49 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | n | 0.93383501 | 0.93383501 | mg/L | 51659.56458729 | 0.00142504 | 0.15260089 | 76.86416025 | 0.15 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 1.00457691 | 1.00457691 | mg/L | 43344.07093683 | 0.00326439 | 0.32495180 | 140.68143307 | 0.32 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 56.92445043 | 56.92445043 | mg/L | 38888.76331861 | 0.79506136 | 1.39669572 | 545.55447454 | 1.40 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | n | 0.94902165 | 0.94902165 | mg/L | 50777.88478217 | 0.01284291 | 1.35327869 | 687.96078419 | 1.35 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 50.62453935 | 50.62453935 | mg/L | 32390.36807495 | 0.86450748 | 1.70768463 | 553.18260686 | 1.71 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | n | 0.99766351 | 0.99766351 | mg/L | 360418.88050137 | 0.00397298 | 0.39822887 | 1434.79365476 | 0.40 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.99173947 | 0.99173947 | mg/L | 15040.85481133 | 0.00489284 | 0.49335944 | 74.21236403 | 0.49 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | nQ | 34.45435884 | 34.45435884 | mg/L | 166815.15865551 | 0.51869019 | 1.50544142 | 2512.03767432 | 1.51 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | n | 0.98533280 | 0.98533280 | mg/L | 21277.75274377 | 0.00373575 | 0.37913551 | 80.68593783 | 0.38 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nQ | 7.01340652 | 7.01340652 | mg/L | 1178.21525275 | 0.04284290 | 0.61087146 | 7.18672228 | 0.61 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | n | 0.99837209 | 0.99837209 | mg/L | 10767.16781684 | 0.00143033 | 0.14326605 | 15.25553802 | 0.14 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | nQ | 5.71678099 | 5.71678099 | mg/L | 7977.94046560 | 0.01764127 | 0.30858750 | 24.13668546 | 0.30 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | n | 1.00112874 | 1.00112874 | mg/L | 4037.45652304 | 0.00692607 | 0.69182599 | 28.08288316 | 0.70 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 1.01811189 | 1.01811189 | mg/L | 4321.80853673 | 0.00404435 | 0.39724016 | 17.08155023 | 0.40 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 5.37751937 | 5.37751937 | mg/L | 24917.88545748 | 0.06760484 | 1.25717518 | 312.83340007 | 1.26 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 5.01300390 | 5.01300390 | mg/L | 58896.46425878 | 0.02729875 | 0.54455863 | 320.58963417 | 0.54 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | n | 1.01702389 | 1.01702389 | mg/L | 257558.54355511 | 0.01457738 | 1.43333685 | 3689.25672500 | 1.43 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 1.00530395 | 1.00530395 | mg/L | 261852.86107776 | 0.00448854 | 0.44648609 | 1169.00449836 | 0.45 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | n | 1.01503722 | 1.01503722 | mg/L | 5216.43324989 | 0.00264760 | 0.26083807 | 13.59561550 | 0.26 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | n | 1.00880850 | 1.00880850 | mg/L | 36722.82571103 | 0.00488610 | 0.48434379 | 177.89845407 | 0.48 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.99734768 | 0.99734768 | mg/L | 38829.61861571 | 0.00526748 | 0.52814898 | 204.67440359 | 0.53 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 0.95 | 0.95 | Ratio | 245855.09 | 0.00 | 0.26 | 646.51 | 0.26 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.91 | 0.91 | Ratio | 38750.27 | 0.01 | 1.53 | 594.78 | 1.53 | | - | - | - | Fitted | - | - |

ENTHALPY INSTRUMENT BLANK FOR 502501 METALS Wipe

EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Inst: | MET12 | | | IDF: | 1.0 |
| Seqnum: | 794068193184 | File: | icp data | Time: | 16-FEB-2024 18:55 |
| Cal: | 794068193001 | Caldate: | 16-FEB-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 | 258127 | 259512 | 0.54 |
| Yttrium | R | 42680 | 40338 | -5.49 |

Instrument ID: MET12

| | | | | | |
|---|---|---|---|---|---|
| Label: | CCB | Rack:Tube: | S1:1 | Type: | QC |
| Date Time: | 2/16/2024 6:55:41 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 | -0.00006531 | -0.00006531 | mg/L | 26.14884921 | 0.00008758 | 134.09343862 | 5.04906389 | 19.31 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 29.915287106327 | 57650.065555389 |
| Al 396.152 | Al | n | 0.00148914 | 0.00148914 | mg/L | 114.90373196 | 0.00033079 | 22.21337520 | 16.23378324 | 14.13 | 10.47217327 | Y (371.029 nm) | Linear | 0.99938 | Fitted | 41.9140597457598 | 49076.2068638474 |
| As 188.980 | As | n | 0.00274656 | 0.00274656 | mg/L | 11.35711826 | 0.00023528 | 8.56629036 | 1.19902435 | 10.56 | 26.21282768 | Y (371.029 nm) | Linear | 0.99994 | Fitted | -2.63996007866257 | 5096.19041685953 |
| B 249.678 | B | n | 0.00088489 | 0.00088489 | mg/L | 60.30126100 | 0.00019979 | 22.57782463 | 7.81562870 | 12.96 | 6.55827529 | Y (371.029 nm) | Linear | 0.99983 | Fitted | 25.6791515692657 | 39119.4041378552 |
| Ba 230.424 | Ba | nu | 0.00003234 | 0.00003234 | mg/L | 37.24342923 | 0.00008485 | 262.40191796 | 11.42413432 | 30.67 | 2.15246696 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 32.8881228720834 | 134632.532949457 |
| Be 313.107 | Be | n | 0.00002547 | 0.00002547 | mg/L | 18.83838106 | 0.00000149 | 5.86118660 | 2.05236990 | 10.89 | 4.85181425 | Y (371.029 nm) | Linear | 0.99998 | Fitted | -16.1778734283257 | 1374986.5402136 |
| Ca 317.933 | Ca-R | nu | 0.00050148 | 0.00050148 | mg/L | 945.50457051 | 0.00315434 | 629.00744013 | 23.53561935 | 2.49 | 3.68855956 | Y-R (371.029 nm) | Linear | 0.99996 | Fitted | 941.759597337158 | 7461.34047968334 |
| Cd 214.439 | Cd | n | 0.00003394 | 0.00003394 | mg/L | 33.49412167 | 0.00002281 | 67.20042450 | 4.96162028 | 14.81 | 3.61658205 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 26.1163206178393 | 217519.314045362 |
| Co 230.786 | Co | n | 0.00033322 | 0.00033322 | mg/L | 35.76664128 | 0.00023291 | 69.89675506 | 12.11121201 | 33.86 | 4.97960815 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 18.4397675289136 | 51999.4384874933 |
| Cr 267.716 | Cr | n | 0.00014799 | 0.00014799 | mg/L | -30.97344730 | 0.00003604 | 24.35427837 | 1.92032323 | 6.20 | 1.45394416 | Y (371.029 nm) | Linear | 0.99997 | Off-Peak Left+Right | -38.8562859534857 | 53279.2599927082 |
| Cu 324.754 | Cu | nu | -0.00115572 | -0.00115572 | mg/L | 1210.62154630 | 0.00031901 | 27.60279929 | 17.20691686 | 1.42 | 6.70567700 | Y (371.029 nm) | Linear | 0.99975 | Fitted | 1272.95564060935 | 53938.2283532796 |
| Fe 259.940 | Fe | n | 0.00078855 | 0.00078855 | mg/L | 48.98749904 | 0.00015185 | 19.25672069 | 6.54401504 | 13.36 | 1.87632675 | Y (371.029 nm) | Linear | 0.99999 | Off-Peak Left+Right | 15.0048701042667 | 43095.7696666897 |
| K 766.491 | K-R | n | 0.27392753 | 0.27392753 | mg/L | 14.41306235 | 0.10889233 | 39.75224149 | 74.71964190 | > 100.00 | 187.64680098 | Y-R (371.029 nm) | Linear | 0.99968 | Fitted | -173.551645065374 | 686.179080519953 |
| Li 670.783 | Li-R | nu | -0.00115681 | -0.00115681 | mg/L | -128.71710733 | 0.00114809 | 99.24630126 | 61.50000143 | 47.78 | 6.02549466 | Y-R (371.029 nm) | Linear | 0.99970 | FACT | -66.7510905017683 | 53567.3695745055 |
| Mg 279.800 | Mg-R | n | 0.00835307 | 0.00835307 | mg/L | 1.59970002 | 0.00239736 | 28.70033087 | 1.53402609 | 95.89 | 5.63182053 | Y-R (371.029 nm) | Linear | 0.99990 | Fitted | -3.7449671776435 | 639.881808691982 |
| Mn 257.610 | Mn | nu | -0.00003800 | -0.00003800 | mg/L | 58.53617222 | 0.00001996 | 52.52926822 | 7.20802049 | 12.31 | 2.22698989 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 72.2631740642545 | 361137.524407247 |
| Mo 204.598 | Mo | n | 0.00123508 | 0.00123508 | mg/L | 17.25726557 | 0.00034778 | 28.15834156 | 5.27491762 | 30.57 | 5.02485305 | Y (371.029 nm) | Linear | 0.99992 | Fitted | -1.47688847544754 | 15167.5426261226 |
| Na 589.592 | Na-R | n | 0.02534368 | 0.02534368 | mg/L | 69.95314648 | 0.00488594 | 19.27874293 | 23.66281710 | 33.83 | 4.46345445 | Y-R (371.029 nm) | Linear | 0.99982 | Fitted | -52.7866917770363 | 4843.0406696889 |
| Ni 231.604 | Ni | nu | -0.00019070 | -0.00019070 | mg/L | -10.84447723 | 0.00030611 | 160.52051011 | 6.61150151 | 60.97 | 3.15815749 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Left+Right | -6.72555381400585 | 21598.3437214804 |
| P 177.434 | P | nu | -0.00562092 | -0.00562092 | mg/L | 0.78640133 | 0.00025483 | 4.53363470 | 0.04274706 | 5.44 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 1.72925553296128 | 167.745937550697 |
| Pb 220.353 | Pb | nZu | -0.00969528 | -0.00969528 | mg/L | 17.16758893 | 0.00054918 | 5.66442102 | 5.85743651 | 34.12 | 130.11673267 | Y (371.029 nm) | Linear | 0.99998 | Off-Peak Right | 120.582870430761 | 10665.7598535573 |
| S 181.972 | S | n | 0.00809926 | 0.00809926 | mg/L | 161.64555935 | 0.00305902 | 37.76906777 | 4.18532899 | 2.59 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 150.564197783254 | 1368.19421788618 |
| Sb 206.834 | Sb | nu | 0.00118648 | 0.00118648 | mg/L | -15.80558920 | 0.00249464 | 210.25545467 | 10.11493574 | 64.00 | 3.25281171 | Y (371.029 nm) | Linear | 0.99996 | Off-Peak Right | -20.6162792074346 | 4054.66417195022 |
| Se 196.026 | Se | n | 0.00246126 | 0.00246126 | mg/L | 31.65738261 | 0.00009375 | 3.80907248 | 0.39596315 | 1.25 | 2.89508674 | Y (371.029 nm) | Linear | 0.99996 | Fitted | 21.2617257786923 | 4223.55956850646 |
| Si 251.611 | Si | n | 0.00194291 | 0.00194291 | mg/L | 35.96305693 | 0.00163709 | 84.25927342 | 7.57542183 | 21.06 | | Y (371.029 nm) | Linear | 1.00000 | Fitted | 26.9724125917205 | 4627.38179151789 |
| Sn 189.925 | Sn | n | 0.00062155 | 0.00062155 | mg/L | 31.61845353 | 0.00041800 | 67.25130672 | 4.90890786 | 15.53 | 2.35878503 | Y (371.029 nm) | Linear | 0.99998 | Fitted | 24.3188449473936 | 11743.7496960993 |
| Sr 421.552 | Sr-R | nu | 0.00000113 | 0.00000113 | mg/L | 39.38767328 | 0.00002284 | 2013.35524069 | 5.77977235 | 14.67 | 2.39665510 | Y-R (371.029 nm) | Linear | 0.99991 | Fitted | 39.1628982487444 | 253080.948878489 |
| Ti 334.941 | Ti | n | 0.00013863 | 0.00013863 | mg/L | 60.11487581 | 0.00005839 | 42.12160261 | 15.20769773 | 25.30 | 2.09690686 | Y (371.029 nm) | Linear | 0.99987 | Fitted | 24.0062033528851 | 260441.904742168 |
| Tl 190.794 | Tl | nu | -0.00045573 | -0.00045573 | mg/L | 1.18291714 | 0.00029833 | 65.46234626 | 1.53193868 | > 100.00 | 1.92967861 | Y (371.029 nm) | Linear | 0.99999 | Fitted | 3.5230995406508 | 5135.06474527559 |
| V 292.401 | V | nu | -0.00001091 | -0.00001091 | mg/L | -10.56588910 | 0.00032237 | 2953.96456189 | 11.73710024 | > 100.00 | 6.45915032 | Y (371.029 nm) | Linear | 0.99989 | Off-Peak Left+Right | -10.1694567875529 | 36409.0802322612 |
| Zn 206.200 | Zn | n | 0.00142532 | 0.00142532 | mg/L | 106.04904339 | 0.00046201 | 32.41477280 | 17.95207978 | 16.93 | 5.05720008 | Y (371.029 nm) | Linear | 0.99994 | Fitted | 50.6778431285026 | 38856.2159499412 |
| Y 371.029 | Y | | 1.01 | 1.01 | Ratio | 259512.01 | 0.01 | 1.02 | 2637.87 | 1.02 | | - | - | - | Fitted | - | - |
| Y 371.029 | Y-R | | 0.95 | 0.95 | Ratio | 40337.87 | 0.01 | 0.88 | 356.69 | 0.88 | | - | - | - | Fitted | - | - |

# Attachment 4

ProUCL Input and Output Files

# Attachment 4
# Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 6
ProUCL Lead Input File

| Sample ID | LeadResults | d_LeadResults |
|---|---|---|
| AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-LA | 20 | 1 |
| AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-LA | 16 | 1 |
| AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-LA | 17 | 1 |
| AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-WF | 78 | 1 |
| AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-DUP-LA | 77 | 1 |
| AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-LA | 36 | 1 |
| AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-WF | 110 | 1 |
| AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-LA | 210 | 1 |
| AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-LA | 150 | 1 |
| AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-LA | 73 | 1 |
| AFRAME-C12E-MED-L3-DN-C12.6-VS-231208-LA | 83 | 1 |
| AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-LA | 200 | 1 |
| AFRAME-C12E-MED-L2-HS-1-231208-G | 29 | 1 |
| AFRAME-C13E-MED-L2-HS-1-231208-G | 32 | 1 |
| AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-I | 28 | 1 |
| AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-FB | 130 | 1 |
| AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-I | 43 | 1 |
| AFRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-FB | 22 | 1 |
| AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-I | 25 | 1 |
| AFRAME-C12E-MED-L2-EXT-0 TO 1-231208-WF | 41 | 1 |
| AFRAME-C12E-MED-L2-DN-C12.2-VS-231208-LA | 10 | 1 |
| AFRAME-C12E-MED-L2-INT-0 TO 0.5-231208-FB | 18 | 1 |
| AFRAME-C13E-MED-L2-INT-0 TO 0.5-231208-FB | 26 | 1 |
| AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-SS | 140 | 1 |
| AFRAME-C12E-LAT-L1-HS-3-231208-A | 64 | 1 |
| AFRAME-C12E-MED-L1-HS-3-231208-A | 55 | 1 |
| AFRAME-C12E-MED-L1-UP-C12.6-DG-231208-SS | 41 | 1 |
| AFRAME-C13E-LAT-L1-HS-3-231208-A | 26 | 1 |
| AFRAME-C12E-MED-L1-HS-3-231208-G | 89 | 1 |
| AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-SS | 200 | 1 |
| AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-LA | 140 | 1 |
| AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-WF | 24 | 1 |
| AFRAME-C12E-MED-L1-INT-0 TO 0.5-231208-FB | 110 | 1 |
| AFRAME-C13E-MED-L1-EXT-1 TO 2-231208-WF | 37 | 1 |
| AFRAME-C13E-LAT-L1-INT-1 TO 2-231208-FB | 120 | 1 |
| AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-SS | 56 | 1 |
| AFRAME-C12E-MED-L1-DN-C12E-DG-231208-SS | 27 | 1 |
| AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-SS | 110 | 1 |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-LA | 300 | 1 |
| AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-LA | 190 | 1 |

| Sample ID | LeadResults | d_LeadResults |
|---|---|---|
| AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-LA | 100 | 1 |
| AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-WF | 220 | 1 |
| AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-LA | 96 | 1 |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-LA | 210 | 1 |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-DUP-WF | 81 | 1 |
| AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-LA | 460 | 1 |
| AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-LA | 220 | 1 |
| AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-LA | 140 | 1 |
| AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-LA | 140 | 1 |
| AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-LA | 100 | 1 |
| AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-WF | 65 | 1 |
| AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-I | 11 | 1 |
| AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-FB | 21 | 1 |
| AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-I | 21 | 1 |
| AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-FB | 19 | 1 |
| AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-I | 71 | 1 |
| AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-LA | 120 | 1 |
| AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-FB | 95 | 1 |
| AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-I | 28 | 1 |
| AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-FB | 28 | 1 |
| AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-SS | 180 | 1 |
| AFRAME-C12W-LAT-L1-HS-3-240214-A | 40 | 1 |
| AFRAME-C12W-MED-L1-HS-3-240214-A | 31 | 1 |
| AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-SS | 45 | 1 |
| AFRAME-C13W-LAT-L1-HS-3-240214-A | 38 | 1 |
| AFRAME-C12W-MED-L2-HS-1-240215-G | 9.6 | 1 |
| AFRAME-C13W-MED-L2-HS-1-240215-G | 53 | 1 |
| AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-WF | 45 | 1 |
| AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-WF | 25 | 1 |
| AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-FB | 190 | 1 |
| AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-LA | 32 | 1 |
| AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-FB | 87 | 1 |
| AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-SS | 92 | 1 |
| AFRAME-C12W-MED-L1-DN-C12W-DG-240215-SS | 45 | 1 |
| AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-SS | 94 | 1 |
| AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-I | 16 | 1 |

# Attachment 4
# Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 6
## ProUCL Lead Output File

| UCL Statistics for Data Sets with Non-Detects |
|---|

| | |
|---|---|
| User Selected Options | |
| Date/Time of Computation | ProUCL 5.2 3/12/2024 2:27:40 PM |
| From File | Z6_HO_Lead_UCL_Input.xls |
| Full Precision | OFF |
| Confidence Coefficient | 95% |
| Number of Bootstrap Operations | 2000 |

**LeadResults**

| General Statistics | | | |
|---|---|---|---|
| Total Number of Observations | 76 | Number of Distinct Observations | 55 |
| | | Number of Missing Observations | 0 |
| Minimum | 9.6 | Mean | 85.15 |
| Maximum | 460 | Median | 60 |
| SD | 78.13 | Std. Error of Mean | 8.962 |
| Coefficient of Variation | 0.918 | Skewness | 2.05 |

| Normal GOF Test | | |
|---|---|---|
| Shapiro Wilk Test Statistic | 0.81 | **Shapiro Wilk GOF Test** |
| 1% Shapiro Wilk P Value | 1.187E-13 | Data Not Normal at 1% Significance Level |
| Lilliefors Test Statistic | 0.167 | **Lilliefors GOF Test** |
| 1% Lilliefors Critical Value | 0.118 | Data Not Normal at 1% Significance Level |
| Data Not Normal at 1% Significance Level | | |

| Assuming Normal Distribution | | | |
|---|---|---|---|
| **95% Normal UCL** | | **95% UCLs (Adjusted for Skewness)** | |
| 95% Student's-t UCL | 100.1 | 95% Adjusted-CLT UCL (Chen-1995) | 102.1 |
| | | 95% Modified-t UCL (Johnson-1978) | 100.4 |

| Gamma GOF Test | | |
|---|---|---|
| A-D Test Statistic | 0.928 | **Anderson-Darling Gamma GOF Test** |
| 5% A-D Critical Value | 0.77 | Data Not Gamma Distributed at 5% Significance Level |
| K-S Test Statistic | 0.121 | **Kolmogorov-Smirnov Gamma GOF Test** |
| 5% K-S Critical Value | 0.104 | Data Not Gamma Distributed at 5% Significance Level |
| Data Not Gamma Distributed at 5% Significance Level | | |

| Gamma Statistics | | | |
|---|---|---|---|
| k hat (MLE) | 1.479 | k star (bias corrected MLE) | 1.43 |
| Theta hat (MLE) | 57.56 | Theta star (bias corrected MLE) | 59.56 |
| nu hat (MLE) | 224.9 | nu star (bias corrected) | 217.3 |
| MLE Mean (bias corrected) | 85.15 | MLE Sd (bias corrected) | 71.21 |
| | | Approximate Chi Square Value (0.05) | 184.2 |
| Adjusted Level of Significance | 0.0468 | Adjusted Chi Square Value | 183.6 |

# Attachment 4
# Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 6
## ProUCL Lead Output File

| Assuming Gamma Distribution | | | |
|---|---|---|---|
| 95% Approximate Gamma UCL | 100.5 | 95% Adjusted Gamma UCL | 100.8 |

| Lognormal GOF Test | | |
|---|---|---|
| Shapiro Wilk Test Statistic | 0.966 | **Shapiro Wilk Lognormal GOF Test** |
| 10% Shapiro Wilk P Value | 0.139 | Data appear Lognormal at 10% Significance Level |
| Lilliefors Test Statistic | 0.0801 | **Lilliefors Lognormal GOF Test** |
| 10% Lilliefors Critical Value | 0.093 | Data appear Lognormal at 10% Significance Level |
| Data appear Lognormal at 10% Significance Level | | |

| Lognormal Statistics | | | |
|---|---|---|---|
| Minimum of Logged Data | 2.262 | Mean of logged Data | 4.07 |
| Maximum of Logged Data | 6.131 | SD of logged Data | 0.891 |

| Assuming Lognormal Distribution | | | |
|---|---|---|---|
| 95% H-UCL | 108.7 | 90% Chebyshev (MVUE) UCL | 117.1 |
| 95% Chebyshev (MVUE) UCL | 131 | 97.5% Chebyshev (MVUE) UCL | 150.3 |
| 99% Chebyshev (MVUE) UCL | 188.2 | | |

| Nonparametric Distribution Free UCL Statistics |
|---|
| Data appear to follow a Discernible Distribution |

| Nonparametric Distribution Free UCLs | | | |
|---|---|---|---|
| 95% CLT UCL | 99.89 | 95% BCA Bootstrap UCL | 103.2 |
| 95% Standard Bootstrap UCL | 99.78 | 95% Bootstrap-t UCL | 103.7 |
| 95% Hall's Bootstrap UCL | 104.5 | 95% Percentile Bootstrap UCL | 100.2 |
| 90% Chebyshev(Mean, Sd) UCL | 112 | 95% Chebyshev(Mean, Sd) UCL | 124.2 |
| 97.5% Chebyshev(Mean, Sd) UCL | 141.1 | 99% Chebyshev(Mean, Sd) UCL | 174.3 |

| Suggested UCL to Use | | | |
|---|---|---|---|
| 95% H-UCL | 108.7 | | |

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

# Attachment 4
# Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 6
ProUCL PCBs Input File

| Sample ID | Aroclor 1016 | Aroclor 1221 | Aroclor 1232 | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Aroclor 1262 | Aroclor 1268 | d_Aroclor 1016 | d_Aroclor 1221 | d_Aroclor 1232 | d_Aroclor 1242 | d_Aroclor 1248 | d_Aroclor 1254 | d_Aroclor 1260 | d_Aroclor 1262 | d_Aroclor 1268 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-WF | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-WF | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-WF | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-WF | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-LA | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-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 High Occupancy Area of Zone 6
## ProUCL PCB Output File

| UCL Statistics for Data Sets with Non-Detects |
|---|

| | |
|---|---|
| User Selected Options | |
| Date/Time of Computation | ProUCL 5.2 3/12/2024 2:34:55 PM |
| From File | Z6_HO_PCB_UCL_Input.xls |
| Full Precision | OFF |
| Confidence Coefficient | 95% |
| Number of Bootstrap Operations | 2000 |

**Aroclor 1016**

| General Statistics | | | |
|---|---|---|---|
| Total Number of Observations | 0 | Number of Distinct Observations | 0 |
| | | Number of Missing Observations | 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.

**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.

**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.

| Aroclor 1268 |
|---|

| General Statistics | | | |
|---|---|---|---|
| Total Number of Observations | 0 | Number of Distinct Observations | 0 |
| | | Number of Missing Observations | 20 |
| Minimum | N/A | Mean | N/A |
| Maximum | N/A | Median | N/A |

| Warning: This data set only has 0 observations! |
|---|
| Data set is too small to compute reliable and meaningful statistics and estimates! |
| The data set for variable Aroclor 1268 was not processed! |

| It is suggested to collect at least 8 to 10 observations before using these statistical methods! |
|---|
| If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results. |

# Attachment 5

Data Validation Reports

**LABORATORY DATA CONSULTANTS, INC.**
**2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099**

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 9, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 17, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

**LDC Project #58284_RV1:**

| **SDG #** | **Fraction** |
|---|---|
| 495712, 495753, 497463, 497480, 497531 | Polychlorinated Biphenyls, Lead |

The data validation was performed under Stage 2A & 3 guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

204 pages-ADV EDD

Attachment 1

**Stage 2A/3 (client select)** **LDC# 58284 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

| LDC | SDG# | DATE REC'D | (3) DATE DUE | PCBs (8082) | | Pb (6010B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Matrix: Water/Soil/Wipe | | | | W | WP | W | WP | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S |
| A | 495712 | 01/17/24 | 02/07/24 | 0 | 1 | 0 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 495753 | 01/17/24 | 02/07/24 | 0 | 11 | 0 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 497463 | 01/17/24 | 02/07/24 | - | - | 0 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 497480 | 01/17/24 | 02/07/24 | 0 | 12 | 0 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 497531 | 01/17/24 | 02/07/24 | - | - | 0 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | TR/PG | | | 0 | 24 | 0 | 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117 |

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\58284ST-Wipe.wpd

**LDC Report#** 58284

# Automated Data Review Data Validation Report
# Hangar 1 NTCRA

## Sample Delivery Groups

495712
495753
497463
497480
497531

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 6.

February 7, 2024

## Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the November through December 2023 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

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

## Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

## Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

## Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

## ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

## Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

## Field Blanks

8082
Three field blanks were collected and analyzed. No contaminants were found.

6010B
Four field blanks were collected and analyzed. Two field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

Four media blanks were collected and analyzed. No contaminants were found.

## Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

## Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

## Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

## Duplicate Sample Analysis

6010B
Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

## Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

## Field Duplicates

8082
Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Eight field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

## Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

## Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

# Attachment 1

# Sample Summary Report by Analysis Method

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Lab Reporting Batch: 495712** | | | | | | |
| **Method: 6010B** | | | | | | |
| 231109-L-FIELDBLANK1-LO | 495712-012 | WIPE | FB | 3050B | 11/9/2023 7:15:00 AM | S2AVE |
| 231109-L-MEDBLANK1-LO | 495712-013 | WIPE | FB | 3050B | 11/9/2023 11:25:00 AM | S2AVE |
| ARCH-C11E-DG-4 TO 4.5-UP-C11.5-DG-231109-L-LA | 495712-002 | WIPE | N | 3050B | 11/9/2023 9:30:00 AM | S2AVE |
| ARCH-C12E-DG-4 TO 4.5-UP-C12.4-DG-231109-L-LA | 495712-003 | WIPE | N | 3050B | 11/9/2023 9:35:00 AM | S2AVE |
| ARCH-C12E-DG-5 TO 5.5-UP-C12.6-VS-231109-L-LA | 495712-009 | WIPE | N | 3050B | 11/9/2023 10:25:00 AM | S2AVE |
| ARCH-C12E-INT-3.5 TO 4.5-231109-L-DUP-WF | 495712-006 | WIPE | N | 3050B | 11/9/2023 9:55:00 AM | S2AVE |
| ARCH-C12E-INT-3.5 TO 4.5-231109-L-WF | 495712-005 | WIPE | N | 3050B | 11/9/2023 9:55:00 AM | S2AVE |
| ARCH-C12E-PS-3.5-231109-L-3 | 495712-001 | WIPE | N | 3050B | 11/9/2023 9:20:00 AM | S2AVE |
| ARCH-C12E-PS-4.5-231109-L-3 | 495712-007 | WIPE | N | 3050B | 11/9/2023 10:05:00 AM | S2AVE |
| ARCH-C13E-DG-4 TO 4.5-231109-L-FB | 495712-004 | WIPE | N | 3050B | 11/9/2023 9:45:00 AM | S2AVE |
| ARCH-C13E-INT-4.5 TO 5.5-231109-L-WF | 495712-010 | WIPE | N | 3050B | 11/9/2023 10:30:00 AM | S2AVE |
| ARCH-C13E-PS-4.5-231109-L-3 | 495712-008 | WIPE | N | 3050B | 11/9/2023 10:15:00 AM | S2AVE |
| **Method: 8082** | | | | | | |
| 231109-P-FIELDBLANK1-LO | 495712-011 | WIPE | FB | 3546 | 11/9/2023 7:15:00 AM | S2AVE |

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 6.

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|---|
| **Lab Reporting Batch: 495753** | | | | | | | |
| **Method: 6010B** | | | | | | | |
| ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA | 495753-008 | WIPE | N | 3050B | | 11/9/2023 7:40:00 AM | S3VEM |
| ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA | 495753-015 | WIPE | N | 3050B | | 11/9/2023 8:25:00 AM | S3VEM |
| ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA | 495753-010 | WIPE | N | 3050B | | 11/9/2023 7:55:00 AM | S3VEM |
| ARCH-C12E-DG-2.5 TO -231109-L-FB | 495753-017 | WIPE | N | 3050B | | 11/9/2023 8:30:00 AM | S3VEM |
| ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-L-LA | 495753-021 | WIPE | N | 3050B | | 11/9/2023 9:10:00 AM | S3VEM |
| ARCH-C12E-EXT-1 TO -231109-L-DUP-WF | 495753-003 | WIPE | FD | 3050B | | 11/9/2023 7:30:00 AM | S3VEM |
| ARCH-C12E-EXT-1 TO -231109-L-WF | 495753-002 | WIPE | N | 3050B | | 11/9/2023 7:30:00 AM | S3VEM |
| ARCH-C13E-DG-2 TO .5-231109-L-DUP-FB | 495753-013 | WIPE | FD | 3050B | | 11/9/2023 8:05:00 AM | S3VEM |
| ARCH-C13E-DG-2 TO .5-231109-L-FB | 495753-012 | WIPE | N | 3050B | | 11/9/2023 8:05:00 AM | S3VEM |
| ARCH-C13E-EXT-1 TO -231109-L-WF | 495753-005 | WIPE | N | 3050B | | 11/9/2023 7:20:00 AM | S3VEM |
| ARCH-C13E-INT-2.5 TO .5-231109-L-WF | 495753-023 | WIPE | N | 3050B | | 11/9/2023 8:55:00 AM | S3VEM |
| ARCH-C13E-PS-2.5-231109-L-3 | 495753-019 | WIPE | N | 3050B | | 11/9/2023 8:45:00 AM | S3VEM |
| **Method: 8082** | | | | | | | |
| ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA | 495753-007 | WIPE | FD | | 3546 | 11/9/2023 7:40:00 AM | S3VEM |
| ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA | 495753-006 | WIPE | N | | 3546 | 11/9/2023 7:40:00 AM | S3VEM |
| ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA | 495753-014 | WIPE | N | | 3546 | 11/9/2023 8:25:00 AM | S3VEM |
| ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA | 495753-009 | WIPE | N | | 3546 | 11/9/2023 7:55:00 AM | S3VEM |
| ARCH-C12E-DG-2.5 TO -231109-P-FB | 495753-016 | WIPE | N | | 3546 | 11/9/2023 8:30:00 AM | S3VEM |
| ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-P-LA | 495753-020 | WIPE | N | | 3546 | 11/9/2023 9:10:00 AM | S3VEM |
| ARCH-C12E-EXT-1 TO -231109-P-WF | 495753-001 | WIPE | N | | 3546 | 11/9/2023 7:30:00 AM | S3VEM |



Crossed out Sample IDs not collected within the High Occupancy Area of Zone 6.

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Method: 8082** | | | | | | |
| ARCH-C13E-DG-2 TO 2.5-231109-P-FB | 495753-011 | WIPE | N | 3546 | 11/9/2023 8:05:00 AM | S3VEM |
| ARCH-C13E-EXT-1 TO 2-231109-P-WF | 495753-004 | WIPE | N | 3546 | 11/9/2023 7:20:00 AM | S3VEM |
| ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF | 495753-022 | WIPE | N | 3546 | 11/9/2023 8:55:00 AM | S3VEM |
| ARCH-C13E-PS-2.5-231109-P-G | 495753-018 | WIPE | N | 3546 | 11/9/2023 8:45:00 AM | S3VEM |

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 6.

# *Data Review Sample Summary Report by Analysis Method*

**eviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *lient Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **ab Reporting Batch: 497463** | | | | | | |
| **lethod: 6010B** | | | | | | |
| 31207-L-FIELDBLANK2-LO | 497463-022 | WIPE | FB | 3050B | 12/7/2023 9:05:00 AM | S2AVE |
| 31207-L-MEDBLANK2-LO | 497463-023 | WIPE | FB | 3050B | 12/7/2023 12:05:00 PM | S2AVE |
| RCH-C11E-DG-5 TO 5.5-UP-11.6-DG-231207-L-LA | 497463-001 | WIPE | N | 3050B | 12/7/2023 9:10:00 AM | S2AVE |
| RCH-C11E-DG-6 TO 6.5-UP-11.4-HM-231207-L-LA | 497463-008 | WIPE | N | 3050B | 12/7/2023 9:50:00 AM | S2AVE |
| RCH-C11E-DG-6.5 TO 7-DN-11.3-DG-231207-L-LA | 497463-012 | WIPE | N | 3050B | 12/7/2023 10:15:00 AM | S2AVE |
| RCH-C11E-DG-7 TO 7.5-UP-11.2-VS-231207-L-LA | 497463-015 | WIPE | N | 3050B | 12/7/2023 10:35:00 AM | S2AVE |
| RCH-C11E-DG-8 TO 9-UP-11E-DG-231207-L-LA | 497463-019 | WIPE | N | 3050B | 12/7/2023 11:10:00 AM | S2AVE |
| RCH-C12E-DG-5 TO 5-231207-L-FB | 497463-002 | WIPE | N | 3050B | 12/7/2023 9:15:00 AM | S2AVE |
| RCH-C12E-DG-5.5 TO 6-DN-12E-DG-231207-L-LA | 497463-005 | WIPE | N | 3050B | 12/7/2023 9:35:00 AM | S2AVE |
| RCH-C12E-DG-6 TO 5-231207-L-FB | 497463-010 | WIPE | N | 3050B | 12/7/2023 10:05:00 AM | S2AVE |
| RCH-C12E-DG-6 TO 6.5-DN-12.3-VS-231207-L-LA | 497463-011 | WIPE | N | 3050B | 12/7/2023 10:10:00 AM | S2AVE |
| RCH-C12E-DG-7 TO 5-231207-L-FB | 497463-017 | WIPE | N | 3050B | 12/7/2023 10:45:00 AM | S2AVE |
| RCH-C12E-DG-7 TO 7.5-DN-12.4-DG-231207-L-LA | 497463-018 | WIPE | N | 3050B | 12/7/2023 11:00:00 AM | S2AVE |
| RCH-C12E-EXT-6 TO -231207-L-WF | 497463-009 | WIPE | N | 3050B | 12/7/2023 9:55:00 AM | S2AVE |
| RCH-C12E-INT-7.5 TO -231207-L-WF | 497463-021 | WIPE | N | 3050B | 12/7/2023 11:20:00 AM | S2AVE |
| RCH-C12E-PS-5.5-231207-L- | 497463-003 | WIPE | N | 3050B | 12/7/2023 9:20:00 AM | S2AVE |
| RCH-C12E-PS-6.5-231207-L- | 497463-013 | WIPE | N | 3050B | 12/7/2023 10:25:00 AM | S2AVE |
| RCH-C13E-DG-5.5 TO -231207-L-DUP-FB | 497463-007 | WIPE | FD | 3050B | 12/7/2023 9:40:00 AM | S2AVE |
| RCH-C13E-DG-5.5 TO -231207-L-FB | 497463-006 | WIPE | N | 3050B | 12/7/2023 9:40:00 AM | S2AVE |
| RCH-C13E-DG-7 TO .5-231207-L-FB | 497463-016 | WIPE | N | 3050B | 12/7/2023 10:50:00 AM | S2AVE |



Crossed out Sample IDs not collected within the High Occupancy Area of Zone 6.

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Method: 6010B** | | | | | | |
| ~~ARCH-C13E-EXT-8 TO )-231207-L-WF~~ | ~~497463-020~~ | WIPE | N | 3050B | 12/7/2023 11:15:00 AM | S2AVE |
| ~~ARCH-C13E-PS-5.5-231207-L-3~~ | ~~497463-004~~ | WIPE | N | 3050B | 12/7/2023 9:25:00 AM | S2AVE |
| ~~ARCH-C13E-PS-6.5-231207-L-3~~ | ~~497463-014~~ | WIPE | N | 3050B | 12/7/2023 10:30:00 AM | S2AVE |

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 6.

# *Data Review Sample Summary Report by Analysis Method*

**teviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *lient Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|---|
| **.ab Reporting Batch: 497480** | | | | | | | |
| **lethod: 6010B** | | | | | | | |
| FRAME-C11E-LAT-L3-UP-11.3-DG-231208-L-DUP-LA | 497480-012 | WIPE | FD | 3050B | | 12/8/2023 8:10:00 AM | S3VEM |
| FRAME-C11E-LAT-L3-UP-11.3-DG-231208-L-LA | 497480-011 | WIPE | N | 3050B | | 12/8/2023 8:10:00 AM | S3VEM |
| FRAME-C11E-LAT-L3-UP-11.5-DG-231208-L-LA | 497480-003 | WIPE | N | 3050B | | 12/8/2023 7:25:00 AM | S3VEM |
| FRAME-C11E-MED-L3-DN-11.1-DG-231208-L-LA | 497480-023 | WIPE | N | 3050B | | 12/8/2023 8:50:00 AM | S3VEM |
| FRAME-C11E-MED-L3-DN-11.7-DG-231208-L-LA | 497480-005 | WIPE | N | 3050B | | 12/8/2023 7:36:00 AM | S3VEM |
| FRAME-C11E-MED-L3-UP-11.1-HS-231208-L-LA | 497480-014 | WIPE | N | 3050B | | 12/8/2023 8:00:00 AM | S3VEM |
| FRAME-C12E-LAT-L3-UP-12.4-VS-231208-L-LA | 497480-007 | WIPE | N | 3050B | | 12/8/2023 7:45:00 AM | S3VEM |
| FRAME-C12E-LAT-L3-UP-12.6-HS-231208-L-LA | 497480-019 | WIPE | N | 3050B | | 12/8/2023 8:40:00 AM | S3VEM |
| FRAME-C12E-MED-L3-UP-12.3-DG-231208-L-LA | 497480-021 | WIPE | N | 3050B | | 12/8/2023 8:32:00 AM | S3VEM |
| FRAME-C13E-MED-L3-XT-0 TO 1-231208-L-DUP-/F | 497480-017 | WIPE | FD | 3050B | | 12/8/2023 8:25:00 AM | S3VEM |
| FRAME-C13E-MED-L3-XT-0 TO 1-231208-L-WF | 497480-016 | WIPE | N | 3050B | | 12/8/2023 8:25:00 AM | S3VEM |
| FRAME-C13E-MED-L3-XT-1 TO 2-231208-L-WF | 497480-009 | WIPE | N | 3050B | | 12/8/2023 7:50:00 AM | S3VEM |
| **lethod: 8082** | | | | | | | |
| 31208-P-FIELDBLANK | 497480-024 | WIPE | FB | | 3546 | 12/8/2023 7:20:00 AM | S3VEM |
| FRAME-C11E-LAT-L3-UP-11.3-DG-231208-P-LA | 497480-010 | WIPE | N | | 3546 | 12/8/2023 8:10:00 AM | S3VEM |
| FRAME-C11E-LAT-L3-UP-11.5-DG-231208-P-DUP-LA | 497480-002 | WIPE | FD | | 3546 | 12/8/2023 7:25:00 AM | S3VEM |
| FRAME-C11E-LAT-L3-UP-11.5-DG-231208-P-LA | 497480-001 | WIPE | N | | 3546 | 12/8/2023 7:25:00 AM | S3VEM |
| FRAME-C11E-MED-L3-DN-11.1-DG-231208-P-LA | 497480-022 | WIPE | N | | 3546 | 12/8/2023 8:50:00 AM | S3VEM |
| FRAME-C11E-MED-L3-DN-11.7-DG-231208-P-LA | 497480-004 | WIPE | N | | 3546 | 12/8/2023 7:36:00 AM | S3VEM |

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Method: 8082** | | | | | | |
| \FRAME-C11E-MED-L3-UP-:11.1-HS-231208-P-LA | 497480-013 | WIPE | N | 3546 | 12/8/2023 8:00:00 AM | S3VEM |
| \FRAME-C12E-LAT-L3-UP-:12.4-VS-231208-P-LA | 497480-006 | WIPE | N | 3546 | 12/8/2023 7:45:00 AM | S3VEM |
| \FRAME-C12E-LAT-L3-UP-:12.6-HS-231208-P-LA | 497480-018 | WIPE | N | 3546 | 12/8/2023 8:40:00 AM | S3VEM |
| \FRAME-C12E-MED-L3-UP-:12.3-DG-231208-P-LA | 497480-020 | WIPE | N | 3546 | 12/8/2023 8:32:00 AM | S3VEM |
| \FRAME-C13E-MED-L3-:XT-0 TO 1-231208-P-WF | 497480-015 | WIPE | N | 3546 | 12/8/2023 8:25:00 AM | S3VEM |
| \FRAME-C13E-MED-L3-:XT-1 TO 2-231208-P-WF | 497480-008 | WIPE | N | 3546 | 12/8/2023 7:50:00 AM | S3VEM |

# *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: 497531** | | | | | | |
| **Method: 6010B** | | | | | | |
| 231208-L-FIELDBLANK1-HO | 497531-031 | WIPE | FB | 3050B | 12/8/2023 7:20:00 AM | S2AVE |
| 231208-L-FIELDBLANK2-HO | 497531-033 | WIPE | FB | 3050B | 12/8/2023 7:15:00 AM | S2AVE |
| 231208-L-MEDBLANK1-HO | 497531-032 | WIPE | FB | 3050B | 12/8/2023 11:15:00 AM | S2AVE |
| 231208-L-MEDBLANK2-HO | 497531-034 | WIPE | FB | 3050B | 12/8/2023 11:20:00 AM | S2AVE |
| AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-L-LA | 497531-023 | WIPE | N | 3050B | 12/8/2023 9:55:00 AM | S2AVE |
| AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-L-I | 497531-009 | WIPE | N | 3050B | 12/8/2023 9:35:00 AM | S2AVE |
| AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-L-I | 497531-005 | WIPE | N | 3050B | 12/8/2023 9:30:00 AM | S2AVE |
| AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-L-SS | 497531-028 | WIPE | N | 3050B | 12/8/2023 9:15:00 AM | S2AVE |
| AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-L-SS | 497531-014 | WIPE | N | 3050B | 12/8/2023 8:10:00 AM | S2AVE |
| AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-L-SS | 497531-022 | WIPE | N | 3050B | 12/8/2023 8:25:00 AM | S2AVE |
| AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-L-WF | 497531-024 | WIPE | N | 3050B | 12/8/2023 10:00:00 AM | S2AVE |
| AFRAME-C12E-LAT-L1-HS-3-231208-L-A | 497531-015 | WIPE | N | 3050B | 12/8/2023 8:40:00 AM | S2AVE |
| AFRAME-C12E-LAT-L1-HS-3-231208-L-DUP-A | 497531-016 | WIPE | FD | 3050B | 12/8/2023 8:40:00 AM | S2AVE |
| AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 497531-006 | WIPE | N | 3050B | 12/8/2023 9:45:00 AM | S2AVE |
| AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-L-I | 497531-007 | WIPE | N | 3050B | 12/8/2023 9:50:00 AM | S2AVE |
| AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-L-LA | 497531-002 | WIPE | N | 3050B | 12/8/2023 9:05:00 AM | S2AVE |
| AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-L-SS | 497531-030 | WIPE | N | 3050B | 12/8/2023 10:20:00 AM | S2AVE |
| AFRAME-C12E-MED-L1-DN-C12E-DG-231208-L-SS | 497531-029 | WIPE | N | 3050B | 12/8/2023 9:25:00 AM | S2AVE |
| AFRAME-C12E-MED-L1-HS-3-231208-L-A | 497531-017 | WIPE | N | 3050B | 12/8/2023 8:35:00 AM | S2AVE |
| AFRAME-C12E-MED-L1-HS-3-231208-L-DUP-A | 497531-018 | WIPE | FD | 3050B | 12/8/2023 8:35:00 AM | S2AVE |

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Method: 6010B** | | | | | | |
| \FRAME-C12E-MED-L1-HS-3-231208-L-G | 497531-021 | WIPE | N | 3050B | 12/8/2023 8:50:00 AM | S2AVE |
| \FRAME-C12E-MED-L1-INT-0 TO 0.5-231208-L-FB | 497531-025 | WIPE | N | 3050B | 12/8/2023 9:35:00 AM | S2AVE |
| \FRAME-C12E-MED-L1-UP-C12.6-DG-231208-L-SS | 497531-019 | WIPE | N | 3050B | 12/8/2023 9:00:00 AM | S2AVE |
| \FRAME-C12E-MED-L2-DN-C12.2-VS-231208-L-LA | 497531-011 | WIPE | N | 3050B | 12/8/2023 7:40:00 AM | S2AVE |
| \FRAME-C12E-MED-L2-EXT-0 TO 1-231208-L-WF | 497531-010 | WIPE | N | 3050B | 12/8/2023 7:10:00 AM | S2AVE |
| \FRAME-C12E-MED-L2-HS-1-231208-L-G | 497531-003 | WIPE | N | 3050B | 12/8/2023 9:00:00 AM | S2AVE |
| \FRAME-C12E-MED-L2-INT-0 TO 0.5-231208-L-FB | 497531-012 | WIPE | N | 3050B | 12/8/2023 7:50:00 AM | S2AVE |
| \FRAME-C12E-MED-L3-DN-C12.6-VS-231208-L-LA | 497531-001 | WIPE | N | 3050B | 12/8/2023 9:20:00 AM | S2AVE |
| \FRAME-C13E-LAT-L1-HS-3-231208-L-A | 497531-020 | WIPE | N | 3050B | 12/8/2023 9:05:00 AM | S2AVE |
| \FRAME-C13E-LAT-L1-INT-1 TO 2-231208-L-FB | 497531-027 | WIPE | N | 3050B | 12/8/2023 10:10:00 AM | S2AVE |
| \FRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 497531-008 | WIPE | N | 3050B | 12/8/2023 9:55:00 AM | S2AVE |
| \FRAME-C13E-MED-L1-EXT-1 TO 2-231208-L-WF | 497531-026 | WIPE | N | 3050B | 12/8/2023 10:25:00 AM | S2AVE |
| \FRAME-C13E-MED-L2-HS-1-231208-L-G | 497531-004 | WIPE | N | 3050B | 12/8/2023 9:15:00 AM | S2AVE |
| \FRAME-C13E-MED-L2-INT-0 TO 0.5-231208-L-FB | 497531-013 | WIPE | N | 3050B | 12/8/2023 8:00:00 AM | S2AVE |

# *Data Review Sample Summary Report by Analysis Method*

**eviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *lient Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|

## *'alidation Label Legend*

| *ıbel Code* | *Label Decription* | *EPA Level* |
|---|---|---|
| VE | Stage_1_Validation_Electronic | N/A |
| VM | Stage_1_Validation_Manual | N/A |
| VEM | Stage_1_Validation_Electronic_and_Manual | N/A |
| AVE | Stage_2A_Validation_Electronic | Level 3 w/o calibration |
| AVM | Stage_2A_Validation_Manual | Level 3 w/o calibration |
| AVEM | Stage_2A_Validation_Electronic_and_Manual | Level 3 w/o calibration |
| BVE | Stage_2B_Validation_Electronic | Level 3 with calibration |
| BVM | Stage_2B_Validation_Manual | Level 3 with calibration |
| BVEM | Stage_2B_Validation_Electronic_and_Manual | Level 3 with calibration |
| VE | Stage_3_Validation_Electronic | Level 4 |
| VM | Stage_3_Validation_Manual | Level 4 |
| VEM | Stage_3_Validation_Electronic_and_Manual | Level 4 |
| VE | Stage_4_Validation_Electronic | Level 4 |
| VM | Stage_4_Validation_Manual | Level 4 |
| VEM | Stage_4_Validation_Electronic_and_Manual | Level 4 |
| / | Not_Validated | N/A |

# Attachment 2

# Overall Data Qualification Summary

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 495712**
**EDD Filename: 495712**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 495753**
**EDD Filename: 495753**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 497463**
**EDD Filename: 497463**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 497480**
**EDD Filename: 497480**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 497531**
**EDD Filename: 497531**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# Enclosure I

# Validation Outlier Reports

# Quality Control Outlier Reports

~~495712~~

SDG# 495712 does not contain samples collected within the High Occupancy Area of Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284A3b
SDG #: 495712
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 2/6/2024
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer:

**METHOD:** GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A / A | |
| II. | Initial calibration/ICV | N/N | |
| III. | Continuing calibration | N | |
| IV. | Laboratory Blanks | ND | |
| V. | Field blanks | ND | FB=1 |
| VI. | Surrogate spikes | A | |
| VII. | Matrix spike/Matrix spike duplicates | N | |
| VIII. | Laboratory control samples | A | LCS/LCSD |
| IX. | Field duplicates | N | |
| X. | Target analyte quantitation | N | |
| XI. | Target analyte identification | N | |
| XII. | Overall assessment of data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | 231109-P-FIELDBLANK1-LO | 495712-011 | Wipe | 11/09/23 |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 6 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284A4b

SDG #: 495712

Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/2/24

Page: 1 of 1

Reviewer: JC

2nd Reviewer: BM

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A, A | |
| II. | Instrument Calibration | N | |
| III. | ICP Interference Check Sample (ICS) Analysis | N | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | SW | FB = 11, 12 |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | SW | (5,6) |
| XI. | Target Analyte Quantitation | N | |
| XII | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | ARCH-C12E-PS-3.5-231109-L-G | 495712-001 | Wipe | 11/09/23 |
| 2 | ARCH-C11E-DG-4 TO 4.5-UP-C11.5-DG-231109-L-LA | 495712-002 | Wipe | 11/09/23 |
| 3 | ARCH-C12E-DG-4 TO 4.5-UP-C12.4-DG-231109-L-LA | 495712-003 | Wipe | 11/09/23 |
| 4 | ARCH-C13E-DG-4 TO 4.5-231109-L-FB | 495712-004 | Wipe | 11/09/23 |
| 5 | ARCH-C12E-INT-3.5 TO 4.5-231109-L-WF | 495712-005 | Wipe | 11/09/23 |
| 6 | ARCH-C12E-INT-3.5 TO 4.5-231109-L-DUP-WF | 495712-002 | Wipe | 11/09/23 |
| 7 | ARCH-C12E-PS-4.5-231109-L-G | 495712-007 | Wipe | 11/09/23 |
| 8 | ARCH-C13E-PS-4.5-231109-L-G | 495712-008 | Wipe | 11/09/23 |
| 9 | ARCH-C12E-DG-5 TO 5.5-UP-C12.6-VS-231109-L-LA | 495712-003 | Wipe | 11/09/23 |
| 10 | ARCH-C13E-INT-4.5 TO 5.5-231109-L-WF | 495712-010 | Wipe | 11/09/23 |
| 11 | 231109-L-FIELDBLANK1-LO | 495712-012 | Wipe | 11/09/23 |
| 12 | 231109-L-MEDBLANK1-LO | 495712-013 | Wipe | 11/09/23 |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |

Notes:

LDC #: 58284A4b

# VALIDATION FINDINGS WORKSHEET
## Sample Specific Element Reference


Reviewer: JC

All circled elements are applicable to each sample.

| Sample ID | Matrix | Target Analyte List (TAL) |
|---|---|---|
| 1-12 | Wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| **Analysis Method** | | |
| ICP | wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| ICP-MS | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| GFAA | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
Field Blanks


Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Blank units: ug/ft2 Associated sample units: ug/ft2
Sampling Date: 11/09/2023
Associated Samples: 1-10, 12

| | | | Sample Identification | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Blank ID | Action Level | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| Pb | 0.96 | 9.6 | | | | | | | | | | |

Comments:

VALIDATION FINDINGS WORKSHEET
Field Duplicates


Reviewer: JC

Method: Metals

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 5 | 6 | | |
| Lead | 150 | 190 | 24 | |

# *Field Blank Contamination Report*

**Lab Reporting Batch ID: 495712**

**Laboratory: Enthalpy Orange**

**EDD Filename: Prep495712**

**Moffett_Hangar_1_NTCRA_Enthalpy_230919**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Sample* | *Concentration (ug/ft2)* | *Flag* |
|---|---|---|---|
| LEAD | 231109-L-FIELDBLANK1-LO | 0.96 | No Qualifiers Applied |

# *Field Duplicate RPD Report*

**Lab Reporting Batch ID: 495712** **Laboratory: Enthalpy Orange**

**EDD Filename: 495712** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | ARCH-C12E-INT-3.5 TO 4.5-231109-L-WF | ARCH-C12E-INT-3.5 TO 4.5-231109-L-DUP- | | | |
| LEAD | 150 | 190 | 24 | 100.00 | No Qualifiers Applied |

# Quality Control Outlier Reports

~~495753~~

SDG# 495753 does not contain samples collected within the High Occupancy Area of Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284B3b
SDG #: 495753
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 2/2/24
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer:

**METHOD:** GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A/A | |
| II. | Initial calibration/ICV | A/A | %D RSD ≤ 20 ICV ≤ 15 |
| III. | Continuing calibration | A | CCV ≤ 15 |
| IV. | Laboratory Blanks | A | |
| V. | Field blanks | NM | FB = 6 |
| VI. | Surrogate spikes | A/A | |
| VII. | Matrix spike/Matrix spike duplicates | N | MS |
| VIII. | Laboratory control samples | A | LCS/LCSD |
| IX. | Field duplicates | NM | D = 3, 4 |
| X. | Target analyte quantitation | A | |
| XI. | Target analyte identification | A | |
| XII | Overall assessment of data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | ARCH-C12E-EXT-1 TO 2-231109-P-WF | 495753-001 | Wipe | 11/09/23 |
| 2 | ARCH-C13E-EXT-1 TO 2-231109-P-WF | 495753-004 | Wipe | 11/09/23 |
| 3 | ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA | 495753-006 | Wipe | 11/09/23 |
| 4 | ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA | 495753-007 | Wipe | 11/09/23 |
| 5 | ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA | 495753-009 | Wipe | 11/09/23 |
| 6 | ARCH-C13E-DG-2 TO 2.5-231109-P-FB | 495753-011 | Wipe | 11/09/23 |
| 7 | ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA | 495753-014 | Wipe | 11/09/23 |
| 8 | ARCH-C12E-DG-2.5 TO 3-231109-P-FB | 495753-016 | Wipe | 11/09/23 |
| 9 | ARCH-C13E-PS-2.5-231109-P-G | 495753-018 | Wipe | 11/09/23 |
| 10 | ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-P-LA | 495753-020 | Wipe | 11/09/23 |
| 11 | ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF | 495753-022 | Wipe | 11/09/23 |
| 12 | | | | |
| 13 | | | | |

Notes:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 326371 | | | | | | |
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The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284B3h

**VALIDATION FINDINGS CHECKLIST**


Reviewer: FT

**Method:** √GC __HPLC

| Validation Area | Yes | No | NA | Findings/Comments |
|---|---|---|---|---|
| ***I. Technical holding times*** | | | | |
| Were all technical holding times met? | ✓ | | | |
| Was cooler temperature criteria met? | ✓ | | | |
| ***IIa. Initial calibration*** | | | | |
| Did the laboratory perform a 5 point calibration prior to sample analysis? | ✓ | | | |
| Were all percent relative standard deviations (%RSD) ≤ 20%? | ✓ | | | |
| Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990? | | | ✓ | |
| Were the RT windows properly established? | ✓ | | | |
| ***IIb. Initial calibration verification*** | | | | |
| Was an initial calibration verification standard analyzed after each initial calibration for each instrument? | ✓ | | | |
| Were all percent differences (%D) ≤ ~~20%~~? 15% | ✓ | | | |
| ***III. Continuing calibration*** | | | | |
| Was a continuing calibration analyzed daily? | ✓ | | | |
| Were all percent differences (%D) ≤ ~~20%~~? 15% | ✓ | | | |
| Were all the retention times within the acceptance windows? | ✓ | | | |
| ***IV. Laboratory Blanks*** | | | | |
| Was a laboratory blank associated with every sample in this SDG? | ✓ | | | |
| Was a laboratory blank analyzed for each matrix and concentration? | ✓ | | | |
| Was there contamination in the laboratory blanks? | | ✓ | | |
| ***V. Field Blanks*** | | | | |
| Were field blanks identified in this SDG? | ✓ | | | |
| Were target analytes detected in the field blanks? | | ✓ | | |
| ***VI. Surrogate spikes*** | | | | |
| Were all surrogate percent recovery (%R) within the QC limits? | ✓ | | | |
| If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R? | | | ✓ | |
| If any %R was less than 10 percent, was a reanalysis performed to confirm %R? | | | ✓ | |
| ***VII. Matrix spike/Matrix spike duplicates*** | | | | |
| Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG? | | | ✓ | |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits? | | | ✓ | |
| ***VIII. Laboratory control samples*** | | | | |
| Was an LCS analyzed per analytical or extraction batch? | ✓ | | | |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits? | ✓ | | | |

| Validation Area | Yes | No | NA | Findings/Comments |
|---|---|---|---|---|
| ***IX. Field duplicates*** | | | | |
| Were field duplicate pairs identified in this SDG? | ✓ | | | |
| Were target analytes detected in the field duplicates? | | ✓ | | |
| ***X. Target analyte quantitation*** | | | | |
| Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs? | ✓ | | | |
| Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation? | ✓ | | | |
| ***XI. Target analyte identification*** | | | | |
| Were the retention times of reported detects within the RT windows? | ✓ | | | |
| Were manual integrations reviewed and found acceptable? | ✓ | | | |
| Did the laboratory provide before and after integration printouts? | | | ✓ | |
| ***XIII. Overall assessment of data*** | | | | |
| Overall assessment of data was found to be acceptable. | ✓ | | | |

# VALIDATION FINDINGS WORKSHEET

**METHOD:** Pesticide/PCBs (EPASW 846 Method 8081/8082)

| | | | | |
|---|---|---|---|---|
| A. alpha-BHC | I. Dieldrin | Q. Endrin ketone | Y. Aroclor-1242 | GG. Chlordane |
| B. beta-BHC | J. 4,4'-DDE | R. Endrin aldehyde | Z. Aroclor-1248 | HH. Chlordane (Technical) |
| C. delta-BHC | K. Endrin | S. alpha-Chlordane | AA. Aroclor-1254 | II. Aroclor 1262 |
| D. gamma-BHC | L. Endosulfan II | T. gamma-Chlordane | BB. Aroclor-1260 | JJ. Aroclor 1268 |
| E. Heptachlor | M. 4,4'-DDD | U. Toxaphene | CC. 2,4'-DDD | KK. Oxychlordane |
| F. Aldrin | N. Endosulfan sulfate | V. Aroclor-1016 | DD. 2,4'-DDE | LL. trans-Nonachlor |
| G. Heptachlor epoxide | O. 4,4'-DDT | W. Aroclor-1221 | EE. 2,4'-DDT | MM. cis-Nonachlor |
| H. Endosulfan I | P. Methoxychlor | X. Aroclor-1232 | FF. Hexachlorobenzene | NN. |

Notes:_____

LDC #: _58284B3b

# VALIDATION FINDINGS WORKSHEET
## Initial Calibration Calculation Verification


Reviewer: ____FT____

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

| # | Standard ID | Calibration Date | Compound | Reported 250ug/L | Recalculated 250ug/L | Reported Average CF (Initial) | Recalculated Average CF (Initial) | Reported %RSD | Recalculated %RSD |
|---|---|---|---|---|---|---|---|---|---|
| | ICAL | 10/16/2023 | Aroclor 1016-1 ChA | 0.0226 | 0.0226 | 0.0217 | 0.0217 | 17 | 17 |
| | GC06 | | Aroclor 1016-1 ChB | 0.0186 | 0.0186 | 0.0185 | 0.0185 | 14 | 14 |

LDC #: 58284B3h

# VALIDATION FINDINGS WORKSHEET
## Continuing Calibration Results Verification


Reviewer: FT

**METHOD:** GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

| # | Standard ID | Calibration Date | Target Analyte | Average CF(Ical)/ CCV Conc. | Reported CF/ Conc. CCV | Recalculated CF/ Conc. CCV | Reported %D | Recalculated %D |
|---|---|---|---|---|---|---|---|---|
| 1 | CCV | 11/11/23 1426 | Aroclo 1016 chA | 500.0 | 498.9 | 498.9 | 0 | 0 |
| | | | ↓ chB | ↓ | 483.5 | 483.5 | 3 | 3 |
| | | | | | | | | |
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Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

DC #: 58284B3b

# VALIDATION FINDINGS WORKSHEET
## Surrogate Results Verification


Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

**Sample ID:** #1

| Surrogate | Column/Detector | Surrogate Spiked | Surrogate Found | Percent Recovery | Percent Recovery | Percent Difference |
|---|---|---|---|---|---|---|
| | | | | Reported | Recalculated | |
| TCMX | ch B | 50.0 | 35.58993 | 72 | 72 | 0 |
| DCB | ↓ | ↓ | 31.03704 | 62 | 62 | ↓ |
| | | | | | | |
| | | | | | | |

**Sample ID:**

| Surrogate | Column/Detector | Surrogate Spiked | Surrogate Found | Percent Recovery | Percent Recovery | Percent Difference |
|---|---|---|---|---|---|---|
| | | | | Reported | Recalculated | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

| | Surrogate Compound | | Surrogate Compound | | Surrogate Compound | | Surrogate Compound | | Surrogate Compound |
|---|---|---|---|---|---|---|---|---|---|
| A | Chlorobenzene (CBZ) | G | Octacosane | M | Benzo(e)Pyrene | S | 1-Chloro-3-Nitrobenzene | Y | Tetrachloro-m- xylene |
| B | 4-Bromofluorobenzene (BFB) | H | Ortho-Terphenyl | N | Terphenyl-D14 | T | 3,4-Dinitrotoluene | Z | 2-Bromonaphthalene |
| C | a,a,a-Trifluorotoluene | I | Fluorobenzene (FBZ) | O | Decachlorobiphenyl (DCB) | U | Tripentyltin | AA | Chloro-octadecane |
| D | Bromochlorobenene | J | n-Triacontane | P | 1-methylnaphthalene | V | Tri-n-propyltin | BB | 2,4-Dichlorophenylacetic acid |
| E | 1,4-Dichlorobutane | K | Hexacosane | Q | Dichlorophenyl Acetic Acid (DCAA) | W | Tributyl Phosphate | CC | 2,5-Dibromotoluene |
| F | 1,4-Difluorobenzene (DFB) | L | Bromobenzene | R | 4-Nitrophenol | X | Triphenyl Phosphate | | |

LDC #: 58284B3b

# VALIDATION FINDINGS WORKSHEET



## Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

**METHOD:** ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

**LCS/LCSD samples:** 326371 lcs lcsd

| Compound | Spike Added (ug/100 cm²) | | Spike Sample Concentration (ug/100 cm²) | | LCS Percent Recovery | | LCSD Percent Recovery | | LCS/LCSD RPD | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | LCS | LCSD | Reported | Recalc. | Reported | Recalc. | Reported | Recalc. |
| Aroclor 1016 | 5.0 | 5.0 | 4.395 | 4.271 | 88 | 88 | 85 | 85 | 3 | 3 |
| | | | | | | | | | | |
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Comments: _____

LDC #: 58284B3b

# VALIDATION FINDINGS WORKSHEET
## Sample Calculation Verification



**METHOD:** ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 326371-LCS Aroclor 1016

Concentration = $\frac{439.48 \quad (10)}{(1)\ (1000)}$ =

= 4.3948

| # | Sample ID | Target analyte | Reported Concentrations (ug/m³) | Recalculated Results Concentrations (ug/m³) | Qualifications |
|---|---|---|---|---|---|
| | LCS | Aroclor 1016 | 4.395 | 4.3948 | |
| | | | | | |
| | | | | | |
| | Aroclor 1016-1= | 62071156.61 (20.0) | | 1016-1 = 427.5 | |
| | | 15697033.259 (0.0195) | | 2 = 436.2 | |
| | | | | 3 = 451.2 | |
| | | = 427.49 ≈ 427.5 | | 4 = 447.2 | |
| | | | | 5 = 435.2 | |
| | | | | 439.48 | |

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 #: 58284B4b
SDG #: 495753
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 2/2/24
Page: 1 of 1
Reviewer: JC
2nd Reviewer:

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A, A | |
| II. | Instrument Calibration | A | |
| III. | ICP Interference Check Sample (ICS) Analysis | SW | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | N | |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | SW | (1,2), (6,7) |
| XI. | Target Analyte Quantitation | A | |
| XII. | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | ARCH-C12E-EXT-1 TO 2-231109-L-WF | 495753-002 | Wipe | 11/09/23 |
| 2 | ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF | 495753-003 | Wipe | 11/09/23 |
| 3 | ARCH-C13E-EXT-1 TO 2-231109-L-WF | 495753-005 | Wipe | 11/09/23 |
| 4 | ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA | 495753-008 | Wipe | 11/09/23 |
| 5 | ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA | 495753-010 | Wipe | 11/09/23 |
| 6 | ARCH-C13E-DG-2 TO 2.5-231109-L-FB | 495753-012 | Wipe | 11/09/23 |
| 7 | ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB | 495753-013 | Wipe | 11/09/23 |
| 8 | ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA | 495753-015 | Wipe | 11/09/23 |
| 9 | ARCH-C12E-DG-2.5 TO 3-231109-L-FB | 495753-017 | Wipe | 11/09/23 |
| 10 | ARCH-C13E-PS-2.5-231109-L-G | 495753-019 | Wipe | 11/09/23 |
| 11 | ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-L-LA | 495753-021 | Wipe | 11/09/23 |
| 12 | ARCH-C13E-INT-2.5 TO 3.5-231109-L-WF | 495753-023 | Wipe | 11/09/23 |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |

Notes:

LDC #: 58284B4b

# VALIDATION FINDINGS WORKSHEET
## Sample Specific Element Reference


Reviewer: JC

All circled elements are applicable to each sample.

| Sample ID | Matrix | Target Analyte List (TAL) |
|---|---|---|
| 1-12 | Wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| **Analysis Method** | | |
| ICP | Wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| ICP-MS | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |
| GFAA | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ____ |

Comments: Mercury by CVAA if performed

| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000) | | | | |
|---|---|---|---|---|
| **Validation Area** | **Yes** | **No** | **NA** | **Comments** |
| **I. Technical holding times** | | | | |
| Were all technical holding times met? | Yes | | | |
| Were all water samples preserved to a pH of <2. | ~~Yes~~ | | NA | Blank Mark 4/9/2024 |
| **II. ICP-MS Tune** | | | | |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution? | | | NA | |
| Were %RSDs of isoptoes in the tuning solution ≤5%? | | | NA | |
| **III. Calibration** | | | | |
| Were all instruments calibrated daily? | Yes | | | |
| Were the proper standards used? | Yes | | | |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits? | Yes | | | |
| Were the low level standard checks within 70-130%? | | | NA | |
| Were all initial calibration correlation coefficients within limits as specifed by the method? | Yes | | | |
| **IV. Interference Check Sample** | | | | |
| Were the interference check samples performed daily? | Yes | | | |
| Were the AB solution recoveries within 80-120%? | Yes | | | |
| **V. Blanks** | | | | |
| Was a method blank associated with every sample in this SDG? | Yes | | | |
| Was there contamination in the method blanks? | | No | | |
| Was there contamination in the initial and continuing calibration blanks? | | No | | |
| **VI. Field Blanks** | | | | |
| Were field blanks identified in this SDG? | | | NA | |
| Were target analytes detected in the field blanks? | | | NA | |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

| Validation Area | Yes | No | NA | Comments |
|---|---|---|---|---|
| **VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates** | | | | |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) | | | NA | |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits? | | | NA | |
| **IX. Serial Dilution** | | | | |
| Were all percent differences <10%? | | | NA | |
| Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data. | | | NA | |
| **X. Laboratory Control Samples** | | | | |
| Was a LCS analyzed for each batch in the SDG? | Yes | | | |
| Were the LCS recoveries and RPDs (if applicable) | Yes | | | |
| **XI. Field Duplicates** | | | | |
| Were field duplicates identifed in this SDG? | Yes | | | |
| Were target analytes detected in the field duplicates? | Yes | | | |
| **VII. Internal Standards** | | | | |
| Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits? | | | NA | |
| If the recoveries were outside the limits, was a reanalysis performed? | | | NA | |
| **XIII. Target Analyte Quantitation** | | | | |
| Were all reporting limits adjusted to reflect sample | Yes | | | |
| Were all soil samples dry weight corrected? | | | NA | |
| **XIV. Overall Assessment of Data** | | | | |
| Was the overall assessment of the data found to be acceptable? | Yes | | | |

VALIDATION FINDINGS WORKSHEETS
Interference Check Sample A



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

| Date | Time | Calibration ID | Analyte | Concentration (mg/L) | Limit (mg/L) | Associated Samples | Qualification* | Det/ND |
|---|---|---|---|---|---|---|---|---|
| 11/13/2023 | 9:17 | ICSA | Pb | 0.01662 | 0.003333 | All | No Qual (samples interferents < ICSA) | Det |

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

Method: Metals

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 1 | 2 | | |
| Lead | 27 | 25 | 8 | |

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 6 | 7 | | |
| Lead | 100 | 140 | 33 | |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

| Standard ID | Type of Analysis | Element | Found (mg/L) | True (mg/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|
| ICV | ICP | Pb | 1.031 | 1 | 103.1 | 103 | Y |
| CCV | ICP | Pb | 1.024 | 1 | 102 | 102 | Y |
| LLCC | ICP | | | | | | |
| ICSAB | ICP | Pb | 1.071 | 1 | 107 | 107 | Y |
| ICV | ICP-MS | | | | | | |
| CCV | ICP-MS | | | | | | |
| LLCC | ICP-MS | | | | | | |
| ICSAB | ICP-MS | | | | | | |
| ICV | CVAA | | | | | | |
| CCV | CVAA | | | | | | |

| ICP-MS Tune | QC Parameter | Mass | Actual | Required |
|---|---|---|---|---|
| | Mass Axis | | | ± 0.1 amu |
| | %RSD | | | ≤ 5% |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

| Sample ID | Type of Analysis | Element | Found/S/I | True/D/SDR | Recalculated %R/RPD/%D | Reported %R/RPD/%D | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|
| QC1106347 | LCS | Pb | 52.27 | 50 | 105 | 105 | Y |
| NA | MS | | | | | | |
| QC1106347, 8 | Duplicate | Pb | 52.27 | 51.27 | 2 | 2 | Y |
| NA | PDS | | | | | | |
| NA | Serial dilution | | | | | | |

VALIDATION FINDINGS CHECKLIST
Sample Calculation Verification



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

| Sample ID | Analyte | Raw Data (mg/L) | Dilution | Initial Weight/ Volume (ft2) | Final Volume (mL) | Reported Result (ug/ft2) | Recalculated Result (ug/ft2) | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|---|
| 1 | Pb | 0.5429 | 1 | 1 | 50 | 27 | 27 | Y |
| 2 | ↓ | 0.4973 | 1 | 1 | 50 | 25 | 25 | Y |
| 2 | ↓ | 1.376 | 1 | 1 | 50 | 69 | 69 | Y |
| 4 | ↓ | 1.486 | 1 | 1 | 50 | 74 | 74 | Y |
| 5 | ↓ | 2.165 | 1 | 1 | 50 | 110 | 108 | Y |
| 6 | ↓ | 2.062 | 1 | 1 | 50 | 100 | 103 | Y |
| 7 | ↓ | 2.767 | 1 | 1 | 50 | 140 | 138 | Y |
| 8 | ↓ | 2.21 | 1 | 1 | 50 | 110 | 111 | Y |
| 9 | ↓ | 1.559 | 1 | 1.0828 | 50 | 72 | 72 | Y |
| 10 | ↓ | 1.069 | 1 | 1 | 50 | 53 | 53 | Y |
| 11 | ↓ | 3.936 | 1 | 1 | 50 | 200 | 197 | Y |
| 12 | ↓ | 0.4603 | 1 | 1 | 50 | 25 | 23 | Y |

# *Field Duplicate RPD Report*

**Lab Reporting Batch ID: 495753** **Laboratory: Enthalpy Orange**

**EDD Filename: 495753** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | ARCH-C12E-EXT-1 TO 2-231109-L-WF (TOT) | ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF | | | |
| LEAD | 27 | 25 | 8 | 100.00 | No Qualifiers Applied |

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | ARCH-C12E-DG-2.5 TO 3-231109-L-FB | ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB | | | |
| LEAD | 72 | 140 | 64 | 100.00 | No Qualifiers Applied |

# Quality Control Outlier Reports

~~497463~~

SDG# 497463 does not contain samples collected within the High Occupancy Area of Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284C4b
SDG #: 497463
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 2/2/24
Page: 1 of 2
Reviewer: JC
2nd Reviewer: [illegible]

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A, A | |
| II. | Instrument Calibration | N | |
| III. | ICP Interference Check Sample (ICS) Analysis | N | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | ND | FB= 22, 23 |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | SW | (6,7) |
| XI. | Target Analyte Quantitation | N | |
| XII | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | ARCH-C11E-DG-5 TO 5.5-UP-C11.6-DG-231207-L-LA | 497463-001 | Wipe | 12/07/23 |
| 2 | ARCH-C12E-DG-5 TO 5.5-231207-L-FB | 497463-002 | Wipe | 12/07/23 |
| 3 | ARCH-C12E-PS-5.5-231207-L-G | 497463-003 | Wipe | 12/07/23 |
| 4 | ARCH-C13E-PS-5.5-231207-L-G | 497463-004 | Wipe | 12/07/23 |
| 5 | ARCH-C12E-DG-5.5 TO 6-DN-C12E-DG-231207-L-LA | 497463-005 | Wipe | 12/07/23 |
| 6 | ARCH-C13E-DG-5.5 TO 6-231207-L-FB | 497463-006 | Wipe | 12/07/23 |
| 7 | ARCH-C13E-DG-5.5 TO 6-231207-L-DUP-FB | 497463-007 | Wipe | 12/07/23 |
| 8 | ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231207-L-LA | 497463-008 | Wipe | 12/07/23 |
| 9 | ARCH-C12E-EXT-6 TO 7-231207-L-WF | 497463-009 | Wipe | 12/07/23 |
| 10 | ARCH-C12E-DG-6 TO 6.5-231207-L-FB | 497463-010 | Wipe | 12/07/23 |
| 11 | ARCH-C12E-DG-6 TO 6.5-DN-C12.3-VS-231207-L-LA | 497463-011 | Wipe | 12/07/23 |
| 12 | ARCH-C11E-DG-6.5 TO 7-DN-C11.3-DG-231207-L-LA | 497463-012 | Wipe | 12/07/23 |
| 13 | ARCH-C12E-PS-6.5-231207-L-G | 497463-012 | Wipe | 12/07/23 |
| 14 | ARCH-C12E-PS-6.5-231207-L-G | 497463-014 | Wipe | 12/07/23 |
| 15 | ARCH-C11E-DG-7 TO 7.5-UP-C11.2-VS-231207-L-LA | 497463-014 | Wipe | 12/07/23 |
| 16 | ARCH-C13E-DG-7 TO 7.5-231207-L-FB | 497463-016 | Wipe | 12/07/23 |
| 17 | ARCH-C12E-DG-7 TO 7.5-231207-L-FB | 497463-017 | Wipe | 12/07/23 |

LDC #: 58284C4b

SDG #: 497463

Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/2/24



Reviewer: JC

2nd Reviewer:

**METHOD:** Lead (EPA SW-846 Method 6010B)

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 18 | ARCH-C12E-DG-7 TO 7.5-DN-C12.4-DG-231207-L-LA | 497463-018 | Wipe | 12/07/23 |
| 19 | ARCH-C11E-DG-8 TO 9-UP-C11E-DG-231207-L-LA | 497463-019 | Wipe | 12/07/23 |
| 20 | ARCH-C13E-EXT-8 TO 9-231207-L-WF | 497463-020 | Wipe | 12/07/23 |
| 21 | ARCH-C12E-INT-7.5 TO 9-231207-L-WF | 497463-021 | Wipe | 12/07/23 |
| 22 | 231207-L-FIELDBLANK2-LO | 497463-022 | Wipe | 12/07/23 |
| 23 | 231207-L-MEDBLANK2-LO | 497463-023 | Wipe | 12/07/23 |
| 24 | | | | |
| 25 | | | | |
| 26 | | | | |

Notes:

LDC #: 58284C4b

# VALIDATION FINDINGS WORKSHEET
## Sample Specific Element Reference


Reviewer: JC

All circled elements are applicable to each sample.

| Sample ID | Matrix | Target Analyte List (TAL) |
|---|---|---|
| J-23 | Wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| **Analysis Method** | | |
| ICP | Wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| ICP-MS | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| GFAA | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
Field Duplicates


Reviewer: JC

Method: Metals

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 6 | 7 | | |
| Lead | 5.9 | 8.1 | 31 | |

# Field Duplicate RPD Report

**Lab Reporting Batch ID: 497463** **Laboratory: Enthalpy Orange**

**EDD Filename: 497463** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| Analyte | Concentration (ug/ft2) | | Sample RPD | eQAPP RPD | Flag |
|---|---|---|---|---|---|
| | ARCH-C13E-DG-5.5 TO 6-231207-L-FB | ARCH-C13E-DG-5.5 TO 6-231207-L-DUP-FB | | | |
| LEAD | 5.9 | 8.1 | 31 | 100.00 | No Qualifiers Applied |

# Quality Control
# Outlier Reports

# 497480

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284D3b
SDG #: 497480
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 2/2/24
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer:

**METHOD:** GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A / A | F1 |
| II. | Initial calibration/ICV | A / A | %D RSD ≤ 20 ICV ≤ ~~20~~ 15 |
| III. | Continuing calibration | A | CCV ≤ ~~20~~ 15 |
| IV. | Laboratory Blanks | A | F1 |
| V. | Field blanks | ND | FB= 12 |
| VI. | Surrogate spikes 13 | A/A | F1 |
| VII. | Matrix spike/Matrix spike duplicates | N | -- |
| VIII. | Laboratory control samples | A | LCS/LCSD |
| 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-C11E-LAT-L3-UP-C11.5-DG-231208-P-LA | 497480-001 | Wipe | 12/08/23 |
| 2 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-DUP-LA | 497480-002 | Wipe | 12/08/23 |
| 3 | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-P-LA | 497480-004 | Wipe | 12/08/23 |
| 4 | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-P-LA | 497480-006 | Wipe | 12/08/23 |
| 5 | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-P-WF | 497480-008 | Wipe | 12/08/23 |
| 6 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-P-LA | 497480-010 | Wipe | 12/08/23 |
| 7 | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-P-LA | 497480-013 | Wipe | 12/08/23 |
| 8 | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-P-WF | 497480-01[illegible] | Wipe | 12/08/23 |
| 9 | AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-P-LA | 497480-018 | Wipe | 12/08/23 |
| 10 | AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-P-LA | 497480-020 | Wipe | 12/08/23 |
| 11 | AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-P-LA | 497480-022 | Wipe | 12/08/23 |
| 12 | 231208-P-FIELDBLANK | 497480-024 | Wipe | 12/08/23 |
| 13 | | | | |

Notes:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 32815U | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58244D3h

**VALIDATION FINDINGS CHECKLIST**


Reviewer: FT

**Method:** ✓ GC __ HPLC

| Validation Area | Yes | No | NA | Findings/Comments |
|---|---|---|---|---|
| ***I. Technical holding times*** | | | | |
| Were all technical holding times met? | ✓ | | | |
| Was cooler temperature criteria met? | ✓ | | | |
| ***IIa. Initial calibration*** | | | | |
| Did the laboratory perform a 5 point calibration prior to sample analysis? | ✓ | | | |
| Were all percent relative standard deviations (%RSD) < 20%? | ✓ | | | |
| Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990? | | | ✓ | |
| Were the RT windows properly established? | ✓ | | | |
| ***IIb. Initial calibration verification*** | | | | |
| Was an initial calibration verification standard analyzed after each initial calibration for each instrument? | ✓ | | | |
| Were all percent differences (%D) < ~~20%~~ 15%? | ✓ | | | |
| ***III. Continuing calibration*** | | | | |
| Was a continuing calibration analyzed daily? | ✓ | | | |
| Were all percent differences (%D) < ~~20%~~ 15%? | ✓ | | | |
| Were all the retention times within the acceptance windows? | ✓ | | | |
| ***IV. Laboratory Blanks*** | | | | |
| Was a laboratory blank associated with every sample in this SDG? | ✓ | | | |
| Was a laboratory blank analyzed for each matrix and concentration? | ✓ | | | |
| Was there contamination in the laboratory blanks? | | ✓ | | |
| ***V. Field Blanks*** | | | | |
| Were field blanks identified in this SDG? | | ✓ | | |
| Were target analytes detected in the field blanks? | | | ✓ | |
| ***VI. Surrogate spikes*** | | | | |
| Were all surrogate percent recovery (%R) within the QC limits? | ✓ | | | |
| If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R? | | | ✓ | |
| If any %R was less than 10 percent, was a reanalysis performed to confirm %R? | | | ✓ | |
| ***VII. Matrix spike/Matrix spike duplicates*** | | | | |
| Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG? | | | ✓ | |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits? | | | ✓ | |
| ***VIII. Laboratory control samples*** | | | | |
| Was an LCS analyzed per analytical or extraction batch? | ✓ | | | |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits? | ✓ | | | |

| Validation Area | Yes | No | NA | Findings/Comments |
|---|---|---|---|---|
| ***IX. Field duplicates*** | | | | |
| Were field duplicate pairs identified in this SDG? | ✓ | | | |
| Were target analytes detected in the field duplicates? | | ✓ | | |
| ***X. Target analyte quantitation*** | | | | |
| Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs? | ✓ | | | |
| Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation? | ✓ | | | |
| ***XI. Target analyte identification*** | | | | |
| Were the retention times of reported detects within the RT windows? | ✓ | | | |
| Were manual integrations reviewed and found acceptable? | ✓ | | | |
| Did the laboratory provide before and after integration printouts? | | | ✓ | |
| ***XIII. Overall assessment of data*** | | | | |
| Overall assessment of data was found to be acceptable. | ✓ | | | |

# VALIDATION FINDINGS WORKSHEET

**METHOD:** Pesticide/PCBs (EPASW 846 Method 8081/8082)

| | | | | |
|---|---|---|---|---|
| A. alpha-BHC | I. Dieldrin | Q. Endrin ketone | Y. Aroclor-1242 | GG. Chlordane |
| B. beta-BHC | J. 4,4'-DDE | R. Endrin aldehyde | Z. Aroclor-1248 | HH. Chlordane (Technical) |
| C. delta-BHC | K. Endrin | S. alpha-Chlordane | AA. Aroclor-1254 | II. Aroclor 1262 |
| D. gamma-BHC | L. Endosulfan II | T. gamma-Chlordane | BB. Aroclor-1260 | JJ. Aroclor 1268 |
| E. Heptachlor | M. 4,4'-DDD | U. Toxaphene | CC. 2,4'-DDD | KK. Oxychlordane |
| F. Aldrin | N. Endosulfan sulfate | V. Aroclor-1016 | DD. 2,4'-DDE | LL. trans-Nonachlor |
| G. Heptachlor epoxide | O. 4,4'-DDT | W. Aroclor-1221 | EE. 2,4'-DDT | MM. cis-Nonachlor |
| H. Endosulfan I | P. Methoxychlor | X. Aroclor-1232 | FF. Hexachlorobenzene | NN. |

Notes:_____

LDC #: _58284D3b

# VALIDATION FINDINGS WORKSHEET
## Initial Calibration Calculation Verification


Reviewer: ____FT____

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

| # | Standard ID | Calibration Date | Compound | Reported 250ug/L | Recalculated 250ug/L | Reported Average CF (Initial) | Recalculated Average CF (Initial) | Reported %RSD | Recalculated %RSD |
|---|---|---|---|---|---|---|---|---|---|
| | ICAL | 10/16/2023 | Aroclor 1260-1 ChA | 0.0628 | 0.0628 | 0.0605 | 0.0605 | 13 | 13 |
| | GC06 | | Aroclor 1260-1 ChB | 0.0526 | 0.0526 | 0.0530 | 0.0530 | 16 | 16 |

LDC #: 58284D3h

# VALIDATION FINDINGS WORKSHEET
## Continuing Calibration Results Verification


Reviewer: FT

**METHOD:** GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

| # | Standard ID | Calibration Date | Target Analyte | Average CF(Ical)/ CCV Conc. | Reported CF/ Conc. CCV | Recalculated CF/ Conc. CCV | Reported %D | Recalculated %D |
|---|---|---|---|---|---|---|---|---|
| 1 | CCV | 12/11/23 1406 | Aroclor 1260 chA | 500.0 | 467.9 | 467.9 | 6 | 6 |
| | | | ↓ chB | ↓ | 457.3 | 457.3 | 9 | 9 |
| | | | | | | | | |
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Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

DC #: 58284D3b

# VALIDATION FINDINGS WORKSHEET
## Surrogate Results Verification


Reviewer: FT

**METHOD:** ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

**Sample ID:** #1

| Surrogate | Column/Detector | Surrogate Spiked | Surrogate Found | Percent Recovery | Percent Recovery | Percent Difference |
|---|---|---|---|---|---|---|
| | | | | Reported | Recalculated | |
| TCMX | ch B | 50.0 | 32.5286 | 65 | 65 | 0 |
| DCB | ↓ | ↓ | 27.1744 | 54 | 54 | ↓ |
| | | | | | | |
| | | | | | | |

**Sample ID:** _____

| Surrogate | Column/Detector | Surrogate Spiked | Surrogate Found | Percent Recovery | Percent Recovery | Percent Difference |
|---|---|---|---|---|---|---|
| | | | | Reported | Recalculated | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | Surrogate Compound | | Surrogate Compound | | Surrogate Compound | | Surrogate Compound | | Surrogate Compound |
|---|---|---|---|---|---|---|---|---|---|
| A | Chlorobenzene (CBZ) | G | Octacosane | M | Benzo(e)Pyrene | S | 1-Chloro-3-Nitrobenzene | Y | Tetrachloro-m- xylene |
| B | 4-Bromofluorobenzene (BFB) | H | Ortho-Terphenyl | N | Terphenyl-D14 | T | 3,4-Dinitrotoluene | Z | 2-Bromonaphthalene |
| C | a,a,a-Trifluorotoluene | I | Fluorobenzene (FBZ) | O | Decachlorobiphenyl (DCB) | U | Tripentyltin | AA | Chloro-octadecane |
| D | Bromochlorobenene | J | n-Triacontane | P | 1-methylnaphthalene | V | Tri-n-propyltin | BB | 2,4-Dichlorophenylacetic acid |
| E | 1,4-Dichlorobutane | K | Hexacosane | Q | Dichlorophenyl Acetic Acid (DCAA) | W | Tributyl Phosphate | CC | 2,5-Dibromotoluene |
| F | 1,4-Difluorobenzene (DFB) | L | Bromobenzene | R | 4-Nitrophenol | X | Triphenyl Phosphate | | |

LDC #: 58284D3b

# VALIDATION FINDINGS WORKSHEET



## Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

**METHOD:** ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

**LCS/LCSD samples:** 328150 - LCS 1D

| Compound | Spike Added (ug/100cm2) | | Spike Sample Concentration (ug/100cm2) | | LCS Percent Recovery | | LCSD Percent Recovery | | LCS/LCSD RPD | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | LCS | LCSD | Reported | Recalc. | Reported | Recalc. | Reported | Recalc. |
| Aroclor 1260 | 5.0 | 5.0 | 3.57J | 3.99U | 71 | 71 | 80 | 80 | 11 | 11 |
| | | | | | | | | | | |
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Comments: _____

LDC #: 58284D3b

# VALIDATION FINDINGS WORKSHEET
## Sample Calculation Verification



**METHOD:** ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 328150 LCS Aroclor 1260

Concentration = $\frac{357.04 \quad (10)}{(1)(1000)}$ =

= 3.5704

| # | Sample ID | Target analyte | Reported Concentrations (ug/100 gm)² | Recalculated Results Concentrations (ug/100 gm)² | Qualifications |
|---|---|---|---|---|---|
| | LCS | Aroclor 1260 | 3.571 | 3.5704 | |
| | | | | | |
| | Aroclor 1260-L= | 117607B2.7 (20.0) | | | |
| | | 1146225 3.929 (0.0530) | | 1260-1 = 387.186 | |
| | | | | 2 = 385.7 | |
| | | = 387.186 | | 3 = 352.8 | |
| | | | | 4 = 343.8 | |
| | | | | 5 = 315.7 | |
| | | | | 357.04 | |

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 #: 58284D4b
SDG #: 497480
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 2/2/24
Page: 1 of 1
Reviewer: JC
2nd Reviewer: _____

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A, A | |
| II. | Instrument Calibration | A | |
| III. | ICP Interference Check Sample (ICS) Analysis | SW | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | N | |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | |
| X. | Field Duplicates | SW | (5,6), (8,9) |
| XI. | Target Analyte Quantitation | A | |
| XII. | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-L-LA | 497480-003 | Wipe | 12/08/23 |
| 2 | AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-L-LA | 497480-003 | Wipe | 12/08/23 |
| 3 | AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-L-LA | 497480-007 | Wipe | 12/08/23 |
| 4 | AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-L-WF | 497480-009 | Wipe | 12/08/23 |
| 5 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-LA | 497480-011 | Wipe | 12/08/23 |
| 6 | AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-DUP-LA | 497480-012 | Wipe | 12/08/23 |
| 7 | AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-L-LA | 497480-014 | Wipe | 12/08/23 |
| 8 | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-WF | 497480-016 | Wipe | 12/08/23 |
| 9 | AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-DUP-WF | 497480-017 | Wipe | 12/08/23 |
| 10 | AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-L-LA | 497480-01[illegible] | Wipe | 12/08/23 |
| 11 | AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-L-LA | 497480-021 | Wipe | 12/08/23 |
| 12 | AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-L-LA | 497480-023 | Wipe | 12/08/23 |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |

Notes: _____

| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000) | | | | |
|---|---|---|---|---|
| **Validation Area** | **Yes** | **No** | **NA** | **Comments** |
| **I. Technical holding times** | | | | |
| Were all technical holding times met? | Yes | | | |
| Were all water samples preserved to a pH of <2. | ~~Yes~~ | | NA | Robert Mewell 4/3/2024 |
| **II. ICP-MS Tune** | | | | |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution? | | | NA | |
| Were %RSDs of isoptoes in the tuning solution ≤5%? | | | NA | |
| **III. Calibration** | | | | |
| Were all instruments calibrated daily? | Yes | | | |
| Were the proper standards used? | Yes | | | |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits? | Yes | | | |
| Were the low level standard checks within 70-130%? | | | NA | |
| Were all initial calibration correlation coefficients within limits as specifed by the method? | Yes | | | |
| **IV. Interference Check Sample** | | | | |
| Were the interference check samples performed daily? | Yes | | | |
| Were the AB solution recoveries within 80-120%? | Yes | | | |
| **V. Blanks** | | | | |
| Was a method blank associated with every sample in this SDG? | Yes | | | |
| Was there contamination in the method blanks? | | No | | |
| Was there contamination in the initial and continuing calibration blanks? | | No | | |
| **VI. Field Blanks** | | | | |
| Were field blanks identified in this SDG? | | | NA | |
| Were target analytes detected in the field blanks? | | | NA | |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

| Validation Area | Yes | No | NA | Comments |
|---|---|---|---|---|
| **VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates** | | | | |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) | | | NA | |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits? | | | NA | |
| **IX. Serial Dilution** | | | | |
| Were all percent differences <10%? | | | NA | |
| Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data. | | | NA | |
| **X. Laboratory Control Samples** | | | | |
| Was a LCS analyzed for each batch in the SDG? | Yes | | | |
| Were the LCS recoveries and RPDs (if applicable) | Yes | | | |
| **XI. Field Duplicates** | | | | |
| Were field duplicates identifed in this SDG? | | | NA | |
| Were target analytes detected in the field duplicates? | | | NA | |
| **VII. Internal Standards** | | | | |
| Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits? | | | NA | |
| If the recoveries were outside the limits, was a reanalysis performed? | | | NA | |
| **XIII. Target Analyte Quantitation** | | | | |
| Were all reporting limits adjusted to reflect sample | Yes | | | |
| Were all soil samples dry weight corrected? | | | NA | |
| **XIV. Overall Assessment of Data** | | | | |
| Was the overall assessment of the data found to be acceptable? | Yes | | | |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

| Date | Time | Calibration ID | Analyte | Concentration (mg/L) | Limit (mg/L) | Associated Samples | Qualification* | Det/ND |
|---|---|---|---|---|---|---|---|---|
| 12/11/2023 | 11:19 | ICSA | Pb | 0.006172 | 0.003333 | All | No Qual (samples interferent < ICSA) | Det |

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

Method: Metals

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 5 | 6 | | |
| Lead | 63 | 77 | 20 | |

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 8 | 9 | | |
| Lead | 110 | 86 | 24 | |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

| Standard ID | Type of Analysis | Element | Found (mg/L) | True (mg/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|
| ICV | ICP | Pb | 1.006 | 1.0 | 101 | 101 | Y |
| CCV | ICP | Pb | 1.042 | 1.0 | 104 | 104 | Y |
| LLCC | ICP | | | | | | |
| ICSAB | ICP | Pb | 1.125 | 1.0 | 113 | 112 | Y |
| ICV | ICP-MS | | | | | | |
| CCV | ICP-MS | | | | | | |
| LLCC | ICP-MS | | | | | | |
| ICSAB | ICP-MS | | | | | | |
| ICV | CVAA | | | | | | |
| CCV | CVAA | | | | | | |

| ICP-MS Tune | QC Parameter | Mass | Actual | Required |
|---|---|---|---|---|
| | Mass Axis | | | ± 0.1 amu |
| | %RSD | | | ≤ 5% |

Quality Control Sample Recalculations

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

| Sample ID | Type of Analysis | Element | Found/S/I | True/D/SDR | Recalculated %R/RPD/%D | Reported %R/RPD/%D | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|
| QC1112314 | LCS | Pb | 57.72 | 50 | 115 | 115 | Y |
| NA | MS | | | | | | |
| QC1112314, 15 | Duplicate | Pb | 57.72 | 55.52 | 4 | 4 | Y |
| NA | PDS | | | | | | |
| NA | Serial dilution | | | | | | |

VALIDATION FINDINGS CHECKLIST
Sample Calculation Verification



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

| Sample ID | Analyte | Raw Data (mg/L) | Dilution | Initial Weight/ Volume (ft2) | Final Volume (mL) | Reported Result (ug/ft2) | Recalculated Result (ug/ft2) | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|---|
| 1 | Pb | 0.3914 | 1 | 1 | 50 | 20 | 20 | Y |
| 2 | Pb | 0.3296 | 1 | 1 | 50 | 16 | 16 | Y |
| 3 | Pb | 0.3397 | 1 | 1 | 50 | 17 | 17 | Y |
| 4 | Pb | 1.567 | 1 | 1 | 50 | 78 | 78 | Y |
| 5 | Pb | 1.27 | 1 | 1 | 50 | 63 | 64 | Y |
| 6 | Pb | 1.54 | 1 | 1 | 50 | 77 | 77 | Y |
| 7 | Pb | 0.7114 | 1 | 1 | 50 | 36 | 36 | Y |
| 8 | Pb | 2.297 | 1 | 1 | 50 | 110 | 115 | Y |
| 9 | Pb | 1.711 | 1 | 1 | 50 | 86 | 86 | Y |
| 10 | Pb | 4.135 | 1 | 1 | 50 | 210 | 207 | Y |
| 11 | Pb | 2.979 | 1 | 1 | 50 | 150 | 149 | Y |
| 12 | Pb | 1.456 | 1 | 1 | 50 | 73 | 73 | Y |

# *Field Duplicate RPD Report*

**Lab Reporting Batch ID: 497480** **Laboratory: Enthalpy Orange**

**EDD Filename: 497480** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | **AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-** | **AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-** | | | |
| LEAD | 110 | 86 | 24 | 100.00 | No Qualifiers Applied |

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | **AFRAME-C11E-LAT-L3-UP-C11.3-** | **AFRAME-C11E-LAT-L3-UP-C11.3-** | | | |
| LEAD | 63 | 77 | 20 | 100.00 | No Qualifiers Applied |

# *Field Blank Contamination Report*

**Lab Reporting Batch ID: 497531**

**Laboratory: Enthalpy Orange**

**EDD Filename: Prep497531**

**Moffett_Hangar_1_NTCRA_Enthalpy_230919**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Sample* | *Concentration (ug/ft2)* | *Flag* |
|---|---|---|---|
| LEAD | 231208-L-FIELDBLANK1-HO | 0.72 | No Qualifiers Applied |

# Quality Control
# Outlier Reports

497531

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284E4b
SDG #: 497531
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 2/5/24
Page: 1 of 2
Reviewer: JC
2nd Reviewer:

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A A | |
| II. | Instrument Calibration | N | |
| III. | ICP Interference Check Sample (ICS) Analysis | N | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | SW | FB = 31, 32, 33, 34 |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | SW | (15,16), (17,18) |
| XI. | Target Analyte Quantitation | N | |
| XII | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | AFRAME-C12E-MED-L3-DN-C12.6-VS-231208-L-LA | 497531-001 | Wipe | 12/08/23 |
| 2 | AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-L-LA | 497531-002 | Wipe | 12/08/23 |
| 3 | AFRAME-C12E-MED-L2-HS-1-231208-L-G | 497531-003 | Wipe | 12/08/23 |
| 4 | AFRAME-C13E-MED-L2-HS-1-231208-L-G | 497531-004 | Wipe | 12/08/23 |
| 5 | AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-L-I | 497531-005 | Wipe | 12/08/23 |
| 6 | AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 497531-006 | Wipe | 12/08/23 |
| 7 | AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-L-I | 497531-007 | Wipe | 12/08/23 |
| 8 | AFRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-L-FB | 497531-008 | Wipe | 12/08/23 |
| 9 | AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-L-I | 497531-009 | Wipe | 12/08/23 |
| 10 | AFRAME-C12E-MED-L2-EXT-0 TO 1-231208-L-WF | 497531-010 | Wipe | 12/08/23 |
| 11 | AFRAME-C12E-MED-L2-DN-C12.2-VS-231208-L-LA | 497531-011 | Wipe | 12/08/23 |
| 12 | AFRAME-C12E-MED-L2-INT-0 TO 0.5-231208-L-FB | 497531-012 | Wipe | 12/08/23 |
| 13 | AFRAME-C13E-MED-L2-INT-0 TO 0.5-231208-L-FB | 497531-013 | Wipe | 12/08/23 |
| 14 | AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-L-SS | 497531-014 | Wipe | 12/08/23 |
| 15 | AFRAME-C12E-LAT-L1-HS-3-231208-L-A | 497531-011 | Wipe | 12/08/23 |
| 16 | AFRAME-C12E-LAT-L1-HS-3-231208-L-DUP-A | 497531-016 | Wipe | 12/08/23 |
| 17 | AFRAME-C12E-MED-L1-HS-3-231208-L-A | 497531-017 | Wipe | 12/08/23 |

LDC #: 58284E4b

SDG #: 497531

Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/5/24



Reviewer: JC

2nd Reviewer:

**METHOD:** Lead (EPA SW-846 Method 6010B)

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 18 | AFRAME-C12E-MED-L1-HS-3-231208-L-DUP-A | 497531-018 | Wipe | 12/08/23 |
| 19 | AFRAME-C12E-MED-L1-UP-C12.6-DG-231208-L-SS | 497531-019 | Wipe | 12/08/23 |
| 20 | AFRAME-C13E-LAT-L1-HS-3-231208-L-A | 497531-020 | Wipe | 12/08/23 |
| 21 | AFRAME-C12E-MED-L1-HS-3-231208-L-G | 497531-021 | Wipe | 12/08/23 |
| 22 | AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-L-SS | 497531-022 | Wipe | 12/08/23 |
| 23 | AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-L-LA | 497531-023 | Wipe | 12/08/23 |
| 24 | AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-L-WF | 497531-024 | Wipe | 12/08/23 |
| 25 | AFRAME-C12E-MED-L1-INT-0 TO 0.5-231208-L-FB | 497531-025 | Wipe | 12/08/23 |
| 26 | AFRAME-C13E-MED-L1-EXT-1 TO 2-231208-L-WF | 497531-026 | Wipe | 12/08/23 |
| 27 | AFRAME-C13E-LAT-1-INT-1 TO 2-231208-L-FB | 497531-027 | Wipe | 12/08/23 |
| 28 | AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-L-SS | 497531-028 | Wipe | 12/08/23 |
| 29 | AFRAME-C12E-MED-L1-DN-C12E-DG-231208-L-SS | 497531-029 | Wipe | 12/08/23 |
| 30 | AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-L-SS | 497531-030 | Wipe | 12/08/23 |
| 31 | 231208-L-FIELDBLANK1-HO | 497531-031 | Wipe | 12/08/23 |
| 32 | 231208-L-MEDBLANK1-HO | 497531-032 | Wipe | 12/08/23 |
| 33 | 231208-L-FIELDBLANK2-HO | 497531-033 | Wipe | 12/08/23 |
| 34 | 231208-L-MEDBLANK2-HO | 497531-034 | Wipe | 12/08/23 |
| 35 | | | | |
| 36 | | | | |
| 37 | | | | |

Notes:

LDC #: 59284E4b

# VALIDATION FINDINGS WORKSHEET
## Sample Specific Element Reference


Reviewer: JC

All circled elements are applicable to each sample.

| Sample ID | Matrix | Target Analyte List (TAL) |
|---|---|---|
| 1-34 | wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| **Analysis Method** | | |
| ICP | wipe | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| ICP-MS | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |
| GFAA | | Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U, ___ |

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
Field Blanks


Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Blank units: ug/ft2 Associated sample units: ug/ft2
Sampling Date: 12/08/2023
Associated Samples: 1-30

| | | | Sample Identification | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Blank ID | Action Level | | | | | | | | | | |
| [redacted] | 31 | [redacted] | | | | | | | | | | |
| Pb | 0.72 | 7.2 | | | | | | | | | | |

Comments:

VALIDATION FINDINGS WORKSHEET
Field Duplicates


Reviewer: JC

Method: Metals

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 15 | 16 | | |
| Lead | 64 | 48 | 29 | |

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 17 | 18 | | |
| Lead | 55 | 37 | 39 | |

# *Field Blank Contamination Report*

**Lab Reporting Batch ID: 497531**

**Laboratory: Enthalpy Orange**

**EDD Filename: Prep497531**

**Moffett_Hangar_1_NTCRA_Enthalpy_230919**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Sample* | *Concentration (ug/ft2)* | *Flag* |
|---|---|---|---|
| LEAD | 231208-L-FIELDBLANK1-HO | 0.72 | No Qualifiers Applied |

# *Field Duplicate RPD Report*

**Lab Reporting Batch ID: 497531** **Laboratory: Enthalpy Orange**

**EDD Filename: 497531** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | AFRAME-C12E-LAT-L1-HS-3-231208-L-A | AFRAME-C12E-LAT-L1-HS-3-231208-L- | | | |
| LEAD | 64 | 48 | 29 | 100.00 | No Qualifiers Applied |

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | AFRAME-C12E-LAT-L1-HS-3-231208-L-A | AFRAME-C12E-MED-L1-HS-3-231208-L- | | | |
| LEAD | 64 | 37 | 53 | 100.00 | No Qualifiers Applied |

**LABORATORY DATA CONSULTANTS, INC.**
**2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099**

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 9, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on February 29, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

**LDC Project #58486_RV1:**

| **SDG #** | **Fraction** |
|---|---|
| 502314, 502491, 502493, 502499, 502501 | Polychlorinated Biphenyls, Lead |

The data validation was performed under Stage 2A & 3 guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

134 pages-ADV EDD

Attachment 1

**Stage 2A/3 (client select)** **LDC# 58486 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

| LDC | SDG# | DATE REC'D | (3) DATE DUE | PCBs (8082) | | Pb (6010B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Matrix: Water/Wipe | | | | W | WP | W | WP | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S |
| A | 502314 | 02/29/24 | 03/21/24 | - | - | 0 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 502491 | 02/29/24 | 03/21/24 | - | - | 0 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 502493 | 02/29/24 | 03/21/24 | - | - | 0 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 502499 | 02/29/24 | 03/21/24 | - | - | 0 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 502501 | 02/29/24 | 03/21/24 | 0 | 12 | 0 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | TR/PG | | | 0 | 12 | 0 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUPs

**LDC Report#** 58486

# Automated Data Review Data Validation Report
# Hangar 1 NTCRA

## Sample Delivery Groups

502314
502491
502493
502499
502501

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 6.

March 18, 2024

## Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the February 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

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

## Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

## Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

## Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

## ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

## Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

## Field Blanks

8082
One field blank was collected and analyzed. No contaminants were found.

6010B
Three media blanks were collected and analyzed. No contaminants were found.

Three field blanks were collected and analyzed. No contaminants were found.

## Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

## Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

## Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

## Duplicate Sample Analysis

6010B
Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

## Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

## Field Duplicates

8082
One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Five field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

## Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

## Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

# Attachment 1

## Sample Summary Report by Analysis Method

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By: Blake Newell (3/18/2024)** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Lab Reporting Batch: 502314** | | | | | | |
| **Method: 6010B** | | | | | | |
| ARCH-C12W-EXT-6 TO 7-240215-L-WF | 502314-003 | WIPE | N | 3050B | 2/15/2024 12:10:00 PM | S2AVE |
| ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB | 502314-002 | WIPE | FD | 3050B | 2/15/2024 12:00:00 PM | S2AVE |
| ARCH-C13W-DG-5.5 TO 6-240215-L-FB | 502314-001 | WIPE | N | 3050B | 2/15/2024 12:00:00 PM | S2AVE |
| ~~ARCH-C13W-DG-7 TO 7.5-240215-L-FB~~ | ~~502314-005~~ | WIPE | N | 3050B | 2/15/2024 12:30:00 PM | S2AVE |

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 6.

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By: Blake Newell (3/18/2024)** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Lab Reporting Batch: 502491** | | | | | | |
| **Method: 6010B** | | | | | | |
| AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-L-SS | 502491-008 | WIPE | N | 3050B | 2/15/2024 9:35:00 AM | S2AVE |
| AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-L-LA | 502491-006 | WIPE | N | 3050B | 2/15/2024 10:25:00 AM | S2AVE |
| AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-L-WF | 502491-004 | WIPE | N | 3050B | 2/15/2024 10:15:00 AM | S2AVE |
| AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-L-I | 502491-011 | WIPE | N | 3050B | 2/15/2024 11:20:00 AM | S2AVE |
| AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-L-SS | 502491-010 | WIPE | N | 3050B | 2/15/2024 9:55:00 AM | S2AVE |
| AFRAME-C12W-MED-L1-DN-C12W-DG-240215-L-SS | 502491-009 | WIPE | N | 3050B | 2/15/2024 9:50:00 AM | S2AVE |
| AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-L-FB | 502491-005 | WIPE | N | 3050B | 2/15/2024 10:10:00 AM | S2AVE |
| AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-L-WF | 502491-003 | WIPE | N | 3050B | 2/15/2024 11:05:00 AM | S2AVE |
| AFRAME-C12W-MED-L2-HS-1-240215-L-G | 502491-001 | WIPE | N | 3050B | 2/15/2024 11:30:00 AM | S2AVE |
| AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-L-FB | 502491-007 | WIPE | N | 3050B | 2/15/2024 10:40:00 AM | S2AVE |
| AFRAME-C13W-MED-L2-HS-1-240215-L-G | 502491-002 | WIPE | N | 3050B | 2/15/2024 11:40:00 AM | S2AVE |

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By: Blake Newell (3/18/2024)** **Approved By:** **Laboratory: Enthalpy Orange**

**Lab Reporting Batch: 502493**

**Method: 6010B**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| 240214-L-FIELDBLANK2-LO | 502493-012 | WIPE | FB | 3050B | 2/14/2024 9:25:00 AM | S2AVE |
| 240214-L-MEDBLANK2-LO | 502493-013 | WIPE | FB | 3050B | 2/14/2024 5:43:00 PM | S2AVE |
| ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-L-LA | 502493-003 | WIPE | N | 3050B | 2/14/2024 9:50:00 AM | S2AVE |
| ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-L-LA | 502493-009 | WIPE | N | 3050B | 2/14/2024 11:20:00 AM | S2AVE |
| ARCH-C12W-DG-6 TO 6.5-240214-L-FB | 502493-004 | WIPE | N | 3050B | 2/14/2024 10:35:00 AM | S2AVE |
| ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-L-LA | 502493-005 | WIPE | N | 3050B | 2/14/2024 10:00:00 AM | S2AVE |
| ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-L-LA | 502493-014 | WIPE | N | 3050B | 2/14/2024 11:00:00 AM | S2AVE |
| ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-L-LA | 502493-007 | WIPE | N | 3050B | 2/14/2024 10:55:00 AM | S2AVE |
| ARCH-C12W-INT-7 TO 7.5-240214-L-WF | 502493-008 | WIPE | N | 3050B | 2/14/2024 11:05:00 AM | S2AVE |
| ARCH-C12W-INT-7.5 TO 9-240214-L-WF | 502493-011 | WIPE | N | 3050B | 2/14/2024 11:30:00 AM | S2AVE |
| ARCH-C12W-PS-5.5-240214-L-G | 502493-001 | WIPE | N | 3050B | 2/14/2024 9:35:00 AM | S2AVE |
| ARCH-C12W-PS-6.5-240214-L-G | 502493-006 | WIPE | N | 3050B | 2/14/2024 10:45:00 AM | S2AVE |
| ARCH-C13W-EXT-8 TO 9-240214-L-WF | 502493-010 | WIPE | N | 3050B | 2/14/2024 11:35:00 AM | S2AVE |
| ARCH-C13W-PS-5.5-240214-L-G | 502493-002 | WIPE | N | 3050B | 2/14/2024 9:30:00 AM | S2AVE |

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 6.

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By: Blake Newell (3/18/2024)** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Lab Reporting Batch: 502499** | | | | | | |
| **Method: 6010B** | | | | | | |
| 240214-L-FIELDBLANK1-HO | 502499-020 | WIPE | FB | 3050B | 2/14/2024 2:10:00 PM | S2AVE |
| 240214-L-FIELDBLANK2-HO | 502499-022 | WIPE | FB | 3050B | 2/14/2024 9:30:00 AM | S2AVE |
| 240214-L-MEDBLANK1-HO | 502499-021 | WIPE | FB | 3050B | 2/14/2024 5:30:00 PM | S2AVE |
| 240214-L-MEDBLANK2-HO | 502499-023 | WIPE | FB | 3050B | 2/14/2024 5:32:00 PM | S2AVE |
| AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-L-I | 502499-009 | WIPE | N | 3050B | 2/14/2024 11:30:00 AM | S2AVE |
| AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-L-I | 502499-005 | WIPE | N | 3050B | 2/14/2024 10:45:00 AM | S2AVE |
| AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-L-SS | 502499-014 | WIPE | N | 3050B | 2/14/2024 3:35:00 PM | S2AVE |
| AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-L-LA | 502499-010 | WIPE | N | 3050B | 2/14/2024 2:15:00 PM | S2AVE |
| AFRAME-C12W-LAT-L1-HS-3-240214-L-A | 502499-015 | WIPE | N | 3050B | 2/14/2024 3:15:00 PM | S2AVE |
| AFRAME-C12W-LAT-L1-HS-3-240214-L-DUP-A | 502499-016 | WIPE | FD | 3050B | 2/14/2024 3:15:00 PM | S2AVE |
| AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-L-I | 502499-012 | WIPE | N | 3050B | 2/14/2024 2:40:00 PM | S2AVE |
| AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-L-FB | 502499-006 | WIPE | N | 3050B | 2/14/2024 10:55:00 AM | S2AVE |
| AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-L-I | 502499-007 | WIPE | N | 3050B | 2/14/2024 11:05:00 AM | S2AVE |
| AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-L-LA | 502499-002 | WIPE | N | 3050B | 2/14/2024 9:40:00 AM | S2AVE |
| AFRAME-C12W-MED-L1-HS-3-240214-L-A | 502499-017 | WIPE | N | 3050B | 2/14/2024 3:30:00 PM | S2AVE |
| AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-L-SS | 502499-018 | WIPE | N | 3050B | 2/14/2024 3:00:00 PM | S2AVE |
| AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-L-FB | 502499-011 | WIPE | N | 3050B | 2/14/2024 11:40:00 AM | S2AVE |
| AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-L-LA | 502499-001 | WIPE | N | 3050B | 2/14/2024 9:25:00 AM | S2AVE |
| AFRAME-C13W-LAT-L1-HS-3-240214-L-A | 502499-019 | WIPE | N | 3050B | 2/14/2024 2:50:00 PM | S2AVE |
| AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-L-FB | 502499-008 | WIPE | N | 3050B | 2/14/2024 11:15:00 AM | S2AVE |

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By: Blake Newell (3/18/2024)** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Method: 6010B** | | | | | | |
| AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 502499-004 | WIPE | FD | 3050B | 2/14/2024 9:55:00 AM | S2AVE |
| AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-WF | 502499-003 | WIPE | N | 3050B | 2/14/2024 9:55:00 AM | S2AVE |
| AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-L-FB | 502499-013 | WIPE | N | 3050B | 2/14/2024 2:30:00 PM | S2AVE |

# *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: 502501** | | | | | | |
| **Method: 6010B** | | | | | | |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-DUP-LA | 502501-023 | WIPE | FD | 3050B | 2/14/2024 2:20:00 PM | S3VEM |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA | 502501-013 | WIPE | N | 3050B | 2/14/2024 2:20:00 PM | S3VEM |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA | 502501-003 | WIPE | N | 3050B | 2/14/2024 3:25:00 PM | S3VEM |
| AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA | 502501-021 | WIPE | N | 3050B | 2/14/2024 3:40:00 PM | S3VEM |
| AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA | 502501-005 | WIPE | N | 3050B | 2/14/2024 11:45:00 AM | S3VEM |
| AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA | 502501-011 | WIPE | N | 3050B | 2/14/2024 2:35:00 PM | S3VEM |
| AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-L-LA | 502501-018 | WIPE | N | 3050B | 2/14/2024 3:00:00 PM | S3VEM |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 502501-016 | WIPE | FD | 3050B | 2/14/2024 2:45:00 PM | S3VEM |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-WF | 502501-015 | WIPE | N | 3050B | 2/14/2024 2:45:00 PM | S3VEM |
| AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA | 502501-007 | WIPE | N | 3050B | 2/14/2024 12:00:00 PM | S3VEM |
| AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA | 502501-019 | WIPE | N | 3050B | 2/14/2024 3:05:00 PM | S3VEM |
| AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF | 502501-009 | WIPE | N | 3050B | 2/14/2024 3:15:00 PM | S3VEM |
| **Method: 8082** | | | | | | |
| 240214-P-FIELDBLANK1-HO | 502501-022 | WIPE | FB | 3546 | 2/14/2024 2:10:00 PM | S3VEM |
| AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA | 502501-012 | WIPE | N | 3546 | 2/14/2024 2:20:00 PM | S3VEM |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA | 502501-002 | WIPE | FD | 3546 | 2/14/2024 3:25:00 PM | S3VEM |
| AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA | 502501-001 | WIPE | N | 3546 | 2/14/2024 3:25:00 PM | S3VEM |
| AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA | 502501-020 | WIPE | N | 3546 | 2/14/2024 3:40:00 PM | S3VEM |
| AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA | 502501-004 | WIPE | N | 3546 | 2/14/2024 11:45:00 AM | S3VEM |

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|
| **Method: 8082** | | | | | | |
| AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA | 502501-010 | WIPE | N | 3546 | 2/14/2024 2:35:00 PM | S3VEM |
| AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-P-LA | 502501-017 | WIPE | N | 3546 | 2/14/2024 3:00:00 PM | S3VEM |
| AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-P-WF | 502501-014 | WIPE | N | 3546 | 2/14/2024 2:45:00 PM | S3VEM |
| AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA | 502501-006 | WIPE | N | 3546 | 2/14/2024 12:00:00 PM | S3VEM |
| AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA | 502501-024 | WIPE | N | 3546 | 2/14/2024 3:05:00 PM | S3VEM |
| AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF | 502501-008 | WIPE | N | 3546 | 2/14/2024 3:15:00 PM | S3VEM |

# *Data Review Sample Summary Report by Analysis Method*

**Reviewed By:** **Approved By:** **Laboratory: Enthalpy Orange**

| *Client Sample ID* | *Lab Sample ID* | *Matrix* | *Sample Type* | *Preparation Method* | *Collection Date* | *Validation Code* |
|---|---|---|---|---|---|---|

## *Validation Label Legend*

| *Label Code* | *Label Decription* | *EPA Level* |
|---|---|---|
| S1VE | Stage_1_Validation_Electronic | N/A |
| S1VM | Stage_1_Validation_Manual | N/A |
| S1VEM | Stage_1_Validation_Electronic_and_Manual | N/A |
| S2AVE | Stage_2A_Validation_Electronic | Level 3 w/o calibration |
| S2AVM | Stage_2A_Validation_Manual | Level 3 w/o calibration |
| S2AVEM | Stage_2A_Validation_Electronic_and_Manual | Level 3 w/o calibration |
| S2BVE | Stage_2B_Validation_Electronic | Level 3 with calibration |
| S2BVM | Stage_2B_Validation_Manual | Level 3 with calibration |
| S2BVEM | Stage_2B_Validation_Electronic_and_Manual | Level 3 with calibration |
| S3VE | Stage_3_Validation_Electronic | Level 4 |
| S3VM | Stage_3_Validation_Manual | Level 4 |
| S3VEM | Stage_3_Validation_Electronic_and_Manual | Level 4 |
| S4VE | Stage_4_Validation_Electronic | Level 4 |
| S4VM | Stage_4_Validation_Manual | Level 4 |
| S4VEM | Stage_4_Validation_Electronic_and_Manual | Level 4 |
| NV | Not_Validated | N/A |

# Attachment 2

# Overall Data Qualification Summary

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 502314**
**EDD Filename: 502314**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 502491**
**EDD Filename: 502491**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 502493**
**EDD Filename: 502493**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 502499**
**EDD Filename: 502499**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# *Data Qualifier Summary*

**Lab Reporting Batch ID: 502501**
**EDD Filename: 502501**

**Laboratory: Enthalpy Orange**
**eQAPP Name:**

No Data Review Qualifiers Applied.

# Enclosure I

# Validation Outlier Reports

# Quality Control Outlier Reports

~~502314~~

SDG# 502314 does not contain samples collected in the High Occupancy Area of Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486A4b
SDG #: 502314
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 3/11/24
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BM

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A/A | |
| II. | Instrument Calibration | N | |
| III. | ICP Interference Check Sample (ICS) Analysis | N | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | N | |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | SW | (1,2) |
| 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-5.5 TO 6-240215-L-FB | 502314-001 | Wipe | 02/15/24 |
| 2 | ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB | 502314-002 | Wipe | 02/15/24 |
| 3 | ARCH-C12W-EXT-6 TO 7-240215-L-WF | 502314-002 | Wipe | 02/15/24 |
| 4 | ARCH-C13W-PS-6.5-240215-L-G | 502314-001 | Wipe | 02/15/24 |
| 5 | ARCH-C13W-DG-7 TO 7.5-240215-L-FB | 502314-005 | Wipe | 02/15/24 |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |

Notes:

VALIDATION FINDINGS WORKSHEET
Field Duplicates


Reviewer: JC

Method: Metals

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 1 | 2 | | |
| Lead | 11 | 13 | 17 | |

# *Field Duplicate RPD Report*

**Lab Reporting Batch ID: 502314** **Laboratory: Enthalpy Orange**

**EDD Filename: 502314** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | **ARCH-C13W-DG-5.5 TO 6-240215-L-FB** | **ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB** | | | |
| LEAD | 11 | 13 | 17 | 100.00 | No Qualifiers Applied |

# Quality Control Outlier Reports

## 502491

(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 #: 58486B4b
SDG #: 502491
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 3/11/24
Page: 1 of 1
Reviewer: JC
2nd Reviewer: MM

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A / A | |
| II. | Instrument Calibration | N | |
| III. | ICP Interference Check Sample (ICS) Analysis | N | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | N | |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | N | |
| XI. | Target Analyte Quantitation | N | |
| XII. | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | AFRAME-C12W-MED-L2-HS-1-240215-L-G | 502491-001 | Wipe | 02/15/24 |
| 2 | AFRAME-C13W-MED-L2-HS-1-240215-L-G | 502491-002 | Wipe | 02/15/24 |
| 3 | AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-L-WF | 502491-002 | Wipe | 02/15/24 |
| 4 | AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-L-WF | 502491-004 | Wipe | 02/15/24 |
| 5 | AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-L-FB | 502491-002 | Wipe | 02/15/24 |
| 6 | AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-L-LA | 502491-006 | Wipe | 02/15/24 |
| 7 | AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-L-FB | 502491-007 | Wipe | 02/15/24 |
| 8 | AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-L-SS | 502491-008 | Wipe | 02/15/24 |
| 9 | AFRAME-C12W-MED-L1-DN-C12W-DG-240215-L-SS | 502491-009 | Wipe | 02/15/24 |
| 10 | AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-L-SS | 502491-010 | Wipe | 02/15/24 |
| 11 | AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-L-I | 502491-011 | Wipe | 02/15/24 |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |

Notes:

# Quality Control Outlier Reports

~~502493~~

(No Outliers)

SDG# 502493 does not contain samples collected with the High Occupancy Area of Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486C4b
SDG #: 502493
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 3/11/24
Page: 1 of 1
Reviewer: JC
2nd Reviewer: [illegible]

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A / A | |
| II. | Instrument Calibration | N | |
| III. | ICP Interference Check Sample (ICS) Analysis | N | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | ND | FB= 12,13 |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | N | |
| XI. | Target Analyte Quantitation | N | |
| XII. | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | ARCH-C12W-PS-5.5-240215-L-G | 502493-001 | Wipe | 02/14/24 |
| 2 | ARCH-C13W-PS-5.5-240214-L-G | 502493-002 | Wipe | 02/14/24 |
| 3 | ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-L-LA | 502493-003 | Wipe | 02/14/24 |
| 4 | ARCH-C12W-DG-6 TO 6.5-240214-L-FB | 502493-004 | Wipe | 02/14/24 |
| 5 | ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-L-LA | 502493-005 | Wipe | 02/14/24 |
| 6 | ARCH-C12W-PS-6.5-240214-L-G | 502493-006 | Wipe | 02/14/24 |
| 7 | ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-L-LA | 502493-007 | Wipe | 02/14/24 |
| 8 | ARCH-C12W-INT-7 TO 7.5-240214-L-WF | 502493-002 | Wipe | 02/14/24 |
| 9 | ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-L-LA | 502493-009 | Wipe | 02/14/24 |
| 10 | ARCH-C13W-EXT-8 TO 9-240214-L-WF | 502493-010 | Wipe | 02/14/24 |
| 11 | ARCH-C12W-INT-7.5 TO 9-240214-L-WF | 502493-011 | Wipe | 02/14/24 |
| 12 | 240214-L-FIELDBLANK2-LO | 502493-012 | Wipe | 02/14/24 |
| 13 | 240214-L-MEDBLANK2-LO | 502493-013 | Wipe | 02/14/24 |
| 14 | ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-L-LA | 502493-014 | Wipe | 02/14/24 |
| 15 | | | | |
| 16 | | | | |

Notes:

# Quality Control
# Outlier Reports

# 502499

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486D4b
SDG #: 502499
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 3/11/24
Page: 1 of 2
Reviewer: SC
2nd Reviewer: _____

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A, A | |
| II. | Instrument Calibration | N | |
| III. | ICP Interference Check Sample (ICS) Analysis | N | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | ND | FB= 20, 21, 22, 23 |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | SW | (3,4), (15,16) |
| XI. | Target Analyte Quantitation | N | |
| XII. | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-L-LA | 502499-001 | Wipe | 02/14/24 |
| 2 | AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-L-LA | 502499-002 | Wipe | 02/14/24 |
| 3 | AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-WF | 502499-003 | Wipe | 02/14/24 |
| 4 | AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 502499-004 | Wipe | 02/14/24 |
| 5 | AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-L-I | 502499-005 | Wipe | 02/14/24 |
| 6 | AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-L-FB | 502499-006 | Wipe | 02/14/24 |
| 7 | AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-L-I | 502499-007 | Wipe | 02/14/24 |
| 8 | AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-L-FB | 502499-008 | Wipe | 02/14/24 |
| 9 | AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-L-I | 502499-009 | Wipe | 02/14/24 |
| 10 | AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-L-LA | 502499-010 | Wipe | 02/14/24 |
| 11 | AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-L-FB | 502499-011 | Wipe | 02/14/24 |
| 12 | AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-L-I | 502499-012 | Wipe | 02/14/24 |
| 13 | AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-L-FB | 502499-013 | Wipe | 02/14/24 |
| 14 | AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-L-SS | 502499-014 | Wipe | 02/14/24 |
| 15 | AFRAME-C12W-LAT-L1-HS-3-240214-L-A | 502499-015 | Wipe | 02/14/24 |
| 16 | AFRAME-C12W-LAT-L1-HS-3-240214-L-DUP-A | 502499-016 | Wipe | 02/14/24 |
| 17 | AFRAME-C12W-MED-L1-HS-3-240214-L-A | 502499-017 | Wipe | 02/14/24 |

LDC #: 58486D4b

SDG #: 502499

Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 3/11/24



Reviewer: SC

2nd Reviewer: _____

**METHOD:** Lead (EPA SW-846 Method 6010B)

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 18 | AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-L-SS | 502499-018 | Wipe | 02/14/24 |
| 19 | AFRAME-C13W-LAT-L1-HS-3-240214-L-A | 502499-019 | Wipe | 02/14/24 |
| 20 | 240214-L-FIELDBLANK1-HO | 502499-020 | Wipe | 02/14/24 |
| 21 | 240214-L-MEDBLANK1-HO | 502499-021 | Wipe | 02/14/24 |
| 22 | 240214-L-FIELDBLANK2-HO | 502499-022 | Wipe | 02/14/24 |
| 23 | 240214-L-MEDBLANK1-HO | 502499-023 | Wipe | 02/14/24 |
| 24 | | | | |
| 25 | | | | |
| 26 | | | | |

Notes: _____

# *Field Duplicate RPD Report*

**Lab Reporting Batch ID: 502499** **Laboratory: Enthalpy Orange**

**EDD Filename: 502499** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214- | AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214- | | | |
| LEAD | 65 | 53 | 20 | 100.00 | No Qualifiers Applied |

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | AFRAME-C12W-LAT-L1-HS-3-240214-L-A | AFRAME-C12W-LAT-L1-HS-3-240214-L- | | | |
| LEAD | 40 | 36 | 11 | 100.00 | No Qualifiers Applied |

# Quality Control
# Outlier Reports

# 502501

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486E3b
SDG #: 502501
Laboratory: Enthalpy Analytical, Orange, CA

# VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 3/15/24
Page: 1 of 1
Reviewer:
2nd Reviewer:

**METHOD:** GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A/A | |
| II. | Initial calibration/ICV | A/A | %RSD ≤ 20 ICV ≤ 15 |
| III. | Continuing calibration | A | CCV ≤ 15 |
| IV. | Laboratory Blanks | A | |
| V. | Field blanks | A | FB = 11 |
| VI. | Surrogate spikes /13 | A/A | |
| VII. | Matrix spike/Matrix spike duplicates | N | |
| 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-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA | 502501-001 | Wipe | 02/14/24 |
| 2 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA | 502501-002 | Wipe | 02/14/24 |
| 3 | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA | 502501-004 | Wipe | 02/14/24 |
| 4 | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA | 502501-006 | Wipe | 02/14/24 |
| 5 | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF | 502501-008 | Wipe | 02/14/24 |
| 6 | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA | 502501-010 | Wipe | 02/14/24 |
| 7 | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA | 502501-012 | Wipe | 02/14/24 |
| 8 | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-P-WF | 502501-014 | Wipe | 02/14/24 |
| 9 | AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-P-LA | 502501-017 | Wipe | 02/14/24 |
| 10 | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA | 502501-020 | Wipe | 02/14/24 |
| 11 | 240214-P-FIELDBLANK1-HO | 502501-022 | Wipe | 02/14/24 |
| 12 | AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA | 502501-024 | Wipe | 02/14/24 |
| 13 | | | | |

Notes:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 333617 | | | | | | |
| | | | | | | | |
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The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 9843E3h

**VALIDATION FINDINGS CHECKLIST**


Reviewer: FT

**Method:** ✓ GC __ HPLC

| Validation Area | Yes | No | NA | Findings/Comments |
|---|---|---|---|---|
| ***I. Technical holding times*** | | | | |
| Were all technical holding times met? | ✓ | | | |
| Was cooler temperature criteria met? | ✓ | | | |
| ***IIa. Initial calibration*** | | | | |
| Did the laboratory perform a 5 point calibration prior to sample analysis? | ✓ | | | |
| Were all percent relative standard deviations (%RSD) ≤ 20%? | ✓ | | | |
| Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990? | | | ✓ | |
| Were the RT windows properly established? | ✓ | | | |
| ***IIb. Initial calibration verification*** | | | | |
| Was an initial calibration verification standard analyzed after each initial calibration for each instrument? | ✓ | | | |
| Were all percent differences (%D) ≤ ~~20%~~? 15/0 | ✓ | | | |
| ***III. Continuing calibration*** | | | | |
| Was a continuing calibration analyzed daily? | ✓ | | | |
| Were all percent differences (%D) ≤ ~~20%~~? 15/0 | ✓ | | | |
| Were all the retention times within the acceptance windows? | | | | |
| ***IV. Laboratory Blanks*** | | | | |
| Was a laboratory blank associated with every sample in this SDG? | ✓ | | | |
| Was a laboratory blank analyzed for each matrix and concentration? | ✓ | | | |
| Was there contamination in the laboratory blanks? | | ✓ | | |
| ***V. Field Blanks*** | | | | |
| Were field blanks identified in this SDG? | ✓ | | | |
| Were target analytes detected in the field blanks? | | ✓ | | |
| ***VI. Surrogate spikes*** | | | | |
| Were all surrogate percent recovery (%R) within the QC limits? | ✓ | | | |
| If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R? | | | ✓ | |
| If any %R was less than 10 percent, was a reanalysis performed to confirm %R? | | | ✓ | |
| ***VII. Matrix spike/Matrix spike duplicates*** | | | | |
| Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG? | | | ✓ | |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits? | | | ✓ | |
| ***VIII. Laboratory control samples*** | | | | |
| Was an LCS analyzed per analytical or extraction batch? | ✓ | | | |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits? | ✓ | | | |

| Validation Area | Yes | No | NA | Findings/Comments |
|---|---|---|---|---|
| ***IX. Field duplicates*** | | | | |
| Were field duplicate pairs identified in this SDG? | ✓ | | | |
| Were target analytes detected in the field duplicates? | | ✓ | | |
| ***X. Target analyte quantitation*** | | | | |
| Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs? | ✓ | | | |
| Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation? | ✓ | | | |
| ***XI. Target analyte identification*** | | | | |
| Were the retention times of reported detects within the RT windows? | ✓ | | | |
| Were manual integrations reviewed and found acceptable? | ✓ | | | |
| Did the laboratory provide before and after integration printouts? | ✓ | | NA | FT |
| ***XIII. Overall assessment of data*** | | | | |
| Overall assessment of data was found to be acceptable. | ✓ | | | |

# VALIDATION FINDINGS WORKSHEET

**METHOD:** Pesticide/PCBs (EPASW 846 Method 8081/8082)

| | | | | |
|---|---|---|---|---|
| A. alpha-BHC | I. Dieldrin | Q. Endrin ketone | Y. Aroclor-1242 | GG. Chlordane |
| B. beta-BHC | J. 4,4'-DDE | R. Endrin aldehyde | Z. Aroclor-1248 | HH. Chlordane (Technical) |
| C. delta-BHC | K. Endrin | S. alpha-Chlordane | AA. Aroclor-1254 | II. Aroclor 1262 |
| D. gamma-BHC | L. Endosulfan II | T. gamma-Chlordane | BB. Aroclor-1260 | JJ. Aroclor 1268 |
| E. Heptachlor | M. 4,4'-DDD | U. Toxaphene | CC. 2,4'-DDD | KK. Oxychlordane |
| F. Aldrin | N. Endosulfan sulfate | V. Aroclor-1016 | DD. 2,4'-DDE | LL. trans-Nonachlor |
| G. Heptachlor epoxide | O. 4,4'-DDT | W. Aroclor-1221 | EE. 2,4'-DDT | MM. cis-Nonachlor |
| H. Endosulfan I | P. Methoxychlor | X. Aroclor-1232 | FF. Hexachlorobenzene | NN. |

Notes:_____

LDC #: 58486E3b

# VALIDATION FINDINGS WORKSHEET
## Initial Calibration Calculation Verification


Reviewer: ____FT____

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

| # | Standard ID | Calibration Date | Compound | Reported 250ug/L | Recalculated 250ug/L | Reported Average CF (Initial) | Recalculated Average CF (Initial) | Reported %RSD | Recalculated %RSD |
|---|---|---|---|---|---|---|---|---|---|
| | ICAL | 2/20/2024 | Aroclor 1016-1 ChA | 0.0204 | 0.0204 | 0.0201 | 0.0201 | 20 | 20 |
| | GC07 | | Aroclor 1016-1 ChB | 0.0192 | 0.0192 | 0.0187 | 0.0187 | 12 | 12 |

LDC #: 58486E3b

# VALIDATION FINDINGS WORKSHEET
## Continuing Calibration Results Verification


Reviewer: FT

**METHOD:** GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

| # | Standard ID | Calibration Date | Target Analyte | Average CF(Ical)/ CCV Conc. | Reported CF/ Conc. CCV | Recalculated CF/ Conc. CCV | Reported %D | Recalculated %D |
|---|---|---|---|---|---|---|---|---|
| 1 | CCV | 2/23/24 1211 | Aroclor 1016 ch A | 500.0 | 525.4 | 525.4 | 5 | 5 |
| | | | ↓ ch B | 500.0 | 548.0 | 548.0 | 10 | 10 |
| | | | | | | | | |
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Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 58486E3b

# VALIDATION FINDINGS WORKSHEET
## Surrogate Results Verification


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 (chB)

| Surrogate | Column/Detector | Surrogate Spiked | Surrogate Found | Percent Recovery Reported | Percent Recovery Recalculated | Percent Difference |
|---|---|---|---|---|---|---|
| TCMX | chB | 50 | 25.4674 | 51 | 51 | 0 |
| ~~PCB~~ DCB | ↓ | 50 | 22.9324 | 46 | 46 | 0 |
| | | | | | | |
| | | | | | | |

**Sample ID:**

| Surrogate | Column/Detector | Surrogate Spiked | Surrogate Found | Percent Recovery Reported | Percent Recovery Recalculated | Percent Difference |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

| | Surrogate Compound | | Surrogate Compound | | Surrogate Compound | | Surrogate Compound | | Surrogate Compound |
|---|---|---|---|---|---|---|---|---|---|
| A | Chlorobenzene (CBZ) | G | Octacosane | M | Benzo(e)Pyrene | S | 1-Chloro-3-Nitrobenzene | Y | Tetrachloro-m- xylene |
| B | 4-Bromofluorobenzene (BFB) | H | Ortho-Terphenyl | N | Terphenyl-D14 | T | 3,4-Dinitrotoluene | Z | 2-Bromonaphthalene |
| C | a,a,a-Trifluorotoluene | I | Fluorobenzene (FBZ) | O | Decachlorobiphenyl (DCB) | U | Tripentyltin | AA | Chloro-octadecane |
| D | Bromochlorobenene | J | n-Triacontane | P | 1-methylnaphthalene | V | Tri-n-propyltin | BB | 2,4-Dichlorophenylacetic acid |
| E | 1,4-Dichlorobutane | K | Hexacosane | Q | Dichlorophenyl Acetic Acid (DCAA) | W | Tributyl Phosphate | CC | 2,5-Dibromotoluene |
| F | 1,4-Difluorobenzene (DFB) | L | Bromobenzene | R | 4-Nitrophenol | X | Triphenyl Phosphate | | |

LDC #: 54486E3b

# VALIDATION FINDINGS WORKSHEET



## Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

**METHOD:** ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; LCS = Laboratory Control Sample; SA = Spike added; LCSD = Laboratory Control Sample duplicate

**LCS/LCSD samples:** 333612 - LCSW

| Compound | Spike Added (ug/100)cm ✓ | | Spike Sample Concentration (ug/100)cm ✓ | | LCS Percent Recovery | | LCSD Percent Recovery | | LCS/LCSD RPD | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | LCS | LCSD | Reported | Recalc. | Reported | Recalc. | Reported | Recalc. |
| Aroclor 1016 | 5.0 | 5.0 | 3.287 | ~~3.340~~ FT 3.389 | 66 | 66 | 68 | 68 | 3 | 3 |
| | | | | | | | | | | |
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Comments: _____

LDC #: 58486E3b

# VALIDATION FINDINGS WORKSHEET
## Sample Calculation Verification



**METHOD:** ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 333612-LCS Aroclor 1016

Concentration = 328.828 (10) / (1) (1000) =

3.288 ug/100 cm²

| # | Sample ID | Target analyte | Reported Concentrations (ug/100 cm²) | Recalculated Results Concentrations (ug/100 cm²) | Qualifications |
|---|---|---|---|---|---|
| | LCS | Aroclor 1016 | 3.287 | 3.288 | |
| | | | | | |
| | Aroclor 1016-1= | 18189340.639 (20.0) / 52182317.561 (0.0201) = 346.84 | | 1016-1 = 346.84 | |
| | | | | -2 = 324.8 | |
| | | | | -3 = 332.2 | |
| | | | | -4 = 343.3 | |
| | | | | -5 = 297.1 | |
| | | | | | 328.828 |

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486E4b

# VALIDATION COMPLETENESS WORKSHEET

Stage 3

SDG #: 502501

Laboratory: Enthalpy Analytical, Orange, CA

Date: 3/11/24

Page: 1 of 1

Reviewer: JC

2nd Reviewer: [illegible]

**METHOD:** Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|---|---|---|---|
| I. | Sample receipt/Technical holding times | A, A | |
| II. | Instrument Calibration | A | |
| III. | ICP Interference Check Sample (ICS) Analysis | SW | |
| IV. | Laboratory Blanks | A | |
| V. | Field Blanks | N | |
| VI. | Matrix Spike/Matrix Spike Duplicates | N | |
| VII. | Duplicate sample analysis | N | |
| VIII. | Serial Dilution | N | |
| IX. | Laboratory control samples | A | LCS/LCSD |
| X. | Field Duplicates | SW | (7,8), (6,12) |
| XI. | Target Analyte Quantitation | A | |
| XII. | Overall Assessment of Data | A | |

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

| | Client ID | Lab ID | Matrix | Date |
|---|---|---|---|---|
| 1 | AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA | 502501-003 | Wipe | 02/14/24 |
| 2 | AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA | 502501-005 | Wipe | 02/14/24 |
| 3 | AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA | 502501-007 | Wipe | 02/14/24 |
| 4 | AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF | 502501-009 | Wipe | 02/14/24 |
| 5 | AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA | 502501-011 | Wipe | 02/14/24 |
| 6 | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA | 502501-013 | Wipe | 02/14/24 |
| 7 | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-WF | 502501-015 | Wipe | 02/14/24 |
| 8 | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF | 502501-016 | Wipe | 02/14/24 |
| 9 | AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-L-LA | 502501-018 | Wipe | 02/14/24 |
| 10 | AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA | 502501-019 | Wipe | 02/14/24 |
| 11 | AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA | 502501-021 | Wipe | 02/14/24 |
| 12 | AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-DUP-LA | 502501-023 | Wipe | 02/14/24 |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |

Notes:

| METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000) | | | | |
|---|---|---|---|---|
| **Validation Area** | **Yes** | **No** | **NA** | **Comments** |
| **I. Technical holding times** | | | | |
| Were all technical holding times met? | Yes | | | |
| Were all water samples preserved to a pH of <2. | ~~Yes~~ | | NA | BMcW 4/8/2024 |
| **II. ICP-MS Tune** | | | | |
| Were mass resolutions within 0.1 amu for all isotopes in the tuning solution? | | | NA | |
| Were %RSDs of isoptoes in the tuning solution ≤5%? | | | NA | |
| **III. Calibration** | | | | |
| Were all instruments calibrated daily? | Yes | | | |
| Were the proper standards used? | Yes | | | |
| Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits? | Yes | | | |
| Were the low level standard checks within 70-130%? | | | NA | |
| Were all initial calibration correlation coefficients within limits as specifed by the method? | Yes | | | |
| **IV. Interference Check Sample** | | | | |
| Were the interference check samples performed daily? | Yes | | | |
| Were the AB solution recoveries within 80-120%? | Yes | | | |
| **V. Blanks** | | | | |
| Was a method blank associated with every sample in this SDG? | Yes | | | |
| Was there contamination in the method blanks? | | No | | |
| Was there contamination in the initial and continuing calibration blanks? | | No | | |
| **VI. Field Blanks** | | | | |
| Were field blanks identified in this SDG? | | | NA | |
| Were target analytes detected in the field blanks? | | | NA | |

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

| Validation Area | Yes | No | NA | Comments |
|---|---|---|---|---|
| **VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates** | | | | |
| Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.) | | | NA | |
| Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits? | | | NA | |
| **IX. Serial Dilution** | | | | |
| Were all percent differences <10%? | | | NA | |
| Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data. | | | NA | |
| **X. Laboratory Control Samples** | | | | |
| Was a LCS analyzed for each batch in the SDG? | Yes | | | |
| Were the LCS recoveries and RPDs (if applicable) | Yes | | | |
| **XI. Field Duplicates** | | | | |
| Were field duplicates identifed in this SDG? | Yes | | | |
| Were target analytes detected in the field duplicates? | Yes | | | |
| **VII. Internal Standards** | | | | |
| Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits? | | | NA | |
| If the recoveries were outside the limits, was a reanalysis performed? | | | NA | |
| **XIII. Target Analyte Quantitation** | | | | |
| Were all reporting limits adjusted to reflect | Yes | | | |
| Were all soil samples dry weight corrected? | | | NA | |
| **XIV. Overall Assessment of Data** | | | | |
| Was the overall assessment of the data found to be acceptable? | Yes | | | |

VALIDATION FINDINGS WORKSHEETS
Interference Check Sample A



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)
All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

| Date | Time | Calibration ID | Analyte | Concentration (mg/L) | Limit (mg/L) | Associated Samples | Qualification* | Det/ND |
|---|---|---|---|---|---|---|---|---|
| 2/16/2024 | 9:26 | ICSA | Pb | 0.00344 | 0.003333 | All | No Qual (Sample interferent < ICSA) | Det |

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

# *Field Duplicate RPD Report*

**Lab Reporting Batch ID: 502501** **Laboratory: Enthalpy Orange**

**EDD Filename: 502501** **eQAPP Name:**

*Method: 6010B*
*Matrix: WIPE*

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214- | AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214- | | | |
| LEAD | 77 | 81 | 5 | 100.00 | No Qualifiers Applied |

| *Analyte* | *Concentration (ug/ft2)* | | *Sample RPD* | *eQAPP RPD* | *Flag* |
|---|---|---|---|---|---|
| | AFRAME-C11W-LAT-L3-UP-C11.1- | AFRAME-C11W-LAT-L3-UP-C11.1- | | | |
| LEAD | 210 | 210 | 0 | 100.00 | No Qualifiers Applied |

VALIDATION FINDINGS WORKSHEET
Field Duplicates


Reviewer: JC

Method: Metals

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 7 | 8 | | |
| Lead | 77 | 81 | 5 | |

| Analyte | Concentration (ug/ft2) | | RPD (≤ 100) | Qualifiers (Parents Only) |
|---|---|---|---|---|
| | 6 | 12 | | |
| Lead | 210 | 210 | 0 | |

VALIDATION FINDINGS CHECKLIST
Quality Control Sample Recalculations



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

| Sample ID | Type of Analysis | Element | Found/S/I | True/D/SDR | Recalculated %R/RPD/%D | Reported %R/RPD/%D | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|
| QC1128900 | LCS | Pb | 57.97 | 50 | 116 | 116 | Y |
| NA | MS | | | | | | |
| QC1128903/04 | Duplicate | Pb | 54.46 | 52.18 | 4 | 4 | Y |
| NA | PDS | | | | | | |
| NA | Serial dilution | | | | | | |

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

| Standard ID | Type of Analysis | Element | Found (mg/L) | True (mg/L) | Recalculated %R | Reported %R | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|
| ICV | ICP | Pb | 0.9515 | 1.000 | 95 | 95 | Y |
| CCV | ICP | Pb | 0.9984 | 1.000 | 100 | 100 | Y |
| LLCC | ICP | | | | | | |
| ICSAB | ICP | Pb | 1.006 | 1.000 | 101 | 101 | Y |
| ICV | ICP-MS | | | | | | |
| CCV | ICP-MS | | | | | | |
| LLCC | ICP-MS | | | | | | |
| ICSAB | ICP-MS | | | | | | |
| ICV | CVAA | | | | | | |
| CCV | CVAA | | | | | | |

| ICP-MS Tune | QC Parameter | Mass | Actual | Required |
|---|---|---|---|---|
| NA | Mass Axis | | | ± 0.1 amu |
| NA | %RSD | | | ≤ 5% |

VALIDATION FINDINGS CHECKLIST
Sample Calculation Verification



METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

| Sample ID | Analyte | Raw Data (mg/L) | Dilution | Initial Weight/ Volume (ft2) | Final Volume (mL) | Reported Result (ug/ft2) | Recalculated Result (ug/ft2) | Acceptable (Y/N) |
|---|---|---|---|---|---|---|---|---|
| 1 | Pb | 6.029 | 1 | 1 | 50 | 300 | 301 | Y |
| 2 | ↓ | 3.75 | 1 | 1 | 50 | 190 | 188 | Y |
| 3 | ↓ | 2.081 | 1 | 1 | 50 | 100 | 104 | Y |
| 4 | ↓ | 4.408 | 1 | 1 | 50 | 220 | 220 | Y |
| 5 | ↓ | 1.929 | 1 | 1 | 50 | 96 | 96 | Y |
| 6 | ↓ | 4.168 | 1 | 1 | 50 | 210 | 208 | Y |
| 7 | ↓ | 1.534 | 1 | 1 | 50 | 77 | 77 | Y |
| 8 | ↓ | 1.611 | 1 | 1 | 50 | 81 | 81 | Y |
| 9 | ↓ | 0.4604 | 20 | 1 | 50 | 460 | 460 | Y |
| 10 | ↓ | 2.725 | 1 | 1 | 50 | 140 | 136 | Y |
| 11 | ↓ | 4.304 | 1 | 1 | 50 | 220 | 215 | Y |
| 12 | ↓ | 4.24 | 1 | 1 | 50 | 210 | 212 | Y |