284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# DATA PACKAGE

METALS
GC SEMI-VOLATILES

**PROJECT NAME : 45-40 VERNON BLVD LIC**

**EARTHEFFICIENT LLC**

**30 West Main St**

**Riverhead, NY - 11901**

**Phone No: 631-702-2770**

**ORDER ID : P5217**

**ATTENTION : Environmental Team**

**Laboratory Certification ID # 20012**

Table Of Contents for P5217

# DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : EarthEfficient LLC

Project Location : Long Island City, NY

Project Number : -45-40 Vernon Blvd LIC

Laboratory Sample ID(s) : P5217

Sampling Date(s) : 12/09/2024

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,8082A**

| | | |
|---|---|---|
| 1 | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | ☑ Yes ☐ No |
| 1A | Were the method specified handling, preservation, and holding time requirements met? | ☑ Yes ☐ No |
| 1B | EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods) | ☐ Yes ☐ No ☑ N/A |
| 2 | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)? | ☑ Yes ☐ No |
| 3 | Were samples received at an appropriate temperature (4±2° C)? | ☑ Yes ☐ No ☐ N/A |
| 4 | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved? | ☑ Yes ☐ No |
| 5 | a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?<br><br>b)Were these reporting limits met? | ☑ Yes ☐ No<br><br>☑ Yes ☐ No ☐ N/A |
| 6 | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP? | ☑ Yes ☐ No |
| 7 | Are project-specific matrix spikes and/or laboratory duplicates included in this data set? | ☐ Yes ☑ No |

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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# Cover Page

**Order ID :** P5217

**Project ID :** 45-40 Vernon Blvd LIC

**Client :** EarthEfficient LLC

| Lab Sample Number | Client Sample Number |
|---|---|
| P5217-01 | MIXED-DEMO |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
*By Nimisha Pandya, QA/QC Supervisor at 10:42 am, Dec 17, 2024*

Date: 12/16/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**EarthEfficient LLC**
**Project Name: 45-40 Vernon Blvd LIC**
**Project # N/A**
**Chemtech Project # P5217**
**Test Name: PCB**

**A. Number of Samples and Date of Receipt:**
1 Solid sample was received on 12/09/2024.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Metals Group3 and PCB. This data package contains results for PCB.

**C. Analytical Techniques:**
The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

**E. Additional Comments:**
The soil samples results are based on a dry weight basis.

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:42 am, Dec 17, 2024

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# CASE NARRATIVE

**EarthEfficient LLC**
**Project Name: 45-40 Vernon Blvd LIC**
**Project # N/A**
**Chemtech Project # P5217**
**Test Name: Metals Group3**

**A. Number of Samples and Date of Receipt:**
1 Solid sample was received on 12/09/2024.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Metals Group3 and PCB. This data package contains results for Metals Group3.

**C. Analytical Techniques:**
The analysis of Metals Group3 was based on method 6010D and digestion based on method 3050 (soils).

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ **APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 10:42 am, Dec 17, 2024*

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## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| **J** | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL). |
| **U** | Indicates the analyte was analyzed for, but not detected. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **E** | Indicates the reported value is estimated because of the presence of interference |
| **M** | Indicates Duplicate injection precision not met. |
| **N** | Indicates the spiked sample recovery is not within control limits. |
| **S** | Indicates the reported value was determined by the Method of Standard Addition (MSA). |
| * | Indicates that the duplicate analysis is not within control limits. |
| + | Indicates the correlation coefficient for the MSA is less than 0.995. |
| **D** | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. |
| **M** | Method qualifiers<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"NR"** for analyte not required to be analyzed |
| **OR** | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **Q** | Indicates the LCS did not meet the control limits requirements |
| H | Sample Analysis Out Of Hold Time |

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## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** P5217

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** SOHIL JODHANI **Date:** 12/16/2024

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# Hit Summary Sheet
## SW-846

**SDG No.:** P5217 **Order ID:** P5217

**Client:** EarthEfficient LLC **Project ID:** 45-40 Vernon Blvd LIC

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|

**Client ID :**

**Total Concentration:** **0.000**

# SAMPLE DATA

Alliance TECHNICAL GROUP
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/09/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/09/24 |
| Client Sample ID: | MIXED-DEMO | SDG No.: | P5217 |
| Lab Sample ID: | P5217-01 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 99.6 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108451.D | 1 | 12/10/24 08:15 | 12/10/24 17:43 | PB165518 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.40 | U | 3.40 | 17.1 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 6.40 | U | 6.40 | 17.1 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.40 | U | 3.40 | 17.1 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.40 | U | 3.40 | 17.1 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 7.90 | U | 7.90 | 17.1 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 2.70 | U | 2.70 | 17.1 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.60 | U | 4.60 | 17.1 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.40 | U | 3.40 | 17.1 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 2.90 | U | 2.90 | 17.1 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 12.5 | | 30 (32) - 150 (144) | 62% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 9.96 | | 30 (32) - 150 (175) | 50% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** P5217

**Client:** EarthEfficient LLC

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PO108361.D | PIBLK-PO108361.D | Tetrachloro-m-xylene | 1 | 20 | 23.0 | 115 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 23.6 | 118 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.6 | 108 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 23.6 | 118 | | 70 (60) | 130 (140) |
| I.BLK-PO108434.D | PIBLK-PO108434.D | Tetrachloro-m-xylene | 1 | 20 | 23.6 | 118 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 22.1 | 110 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 23.2 | 116 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 24.5 | 123 | | 70 (60) | 130 (140) |
| PB165518BL | PB165518BL | Tetrachloro-m-xylene | 1 | 20 | 21.0 | 105 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 21.0 | 105 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.3 | 101 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 22.3 | 111 | | 30 (32) | 150 (175) |
| PB165518BS | PB165518BS | Tetrachloro-m-xylene | 1 | 20 | 20.3 | 101 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 20.9 | 105 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.6 | 98 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 22.2 | 111 | | 30 (32) | 150 (175) |
| P5216-01MS | BP-G-6MS | Tetrachloro-m-xylene | 1 | 20 | 21.2 | 106 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 19.8 | 99 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.0 | 105 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 21.1 | 105 | | 30 (32) | 150 (175) |
| P5216-01MSD | BP-G-6MSD | Tetrachloro-m-xylene | 1 | 20 | 20.9 | 105 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 19.8 | 99 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.8 | 104 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 21.0 | 105 | | 30 (32) | 150 (175) |
| I.BLK-PO108449.D | PIBLK-PO108449.D | Tetrachloro-m-xylene | 1 | 20 | 23.8 | 119 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 23.7 | 119 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 23.8 | 119 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 26.1 | 131 | * | 70 (60) | 130 (140) |
| P5217-01 | MIXED-DEMO | Tetrachloro-m-xylene | 1 | 20 | 12.5 | 62 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 8.31 | 42 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 11.1 | 55 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 9.96 | 50 | | 30 (32) | 150 (175) |
| I.BLK-PO108464.D | PIBLK-PO108464.D | Tetrachloro-m-xylene | 1 | 20 | 24.1 | 121 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 21.5 | 108 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 24.7 | 124 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 25.9 | 130 | | 70 (60) | 130 (140) |

( ) = LABORATORY INHOUSE LIMIT

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P5217

**Client:** EarthEfficient LLC

**Analytical Method:** 8082A **DataFile :** PO108440.D

| Lab Sample ID: | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **BP-G-6MS** | | | | | | | | | | | |
| P5216-01MS | AR1016 | 185.3 | 0 | 211 | ug/kg | 114 | | | | 40 (55) | 140 (146) | |
| | AR1260 | 185.3 | 0 | 208 | ug/kg | 112 | | | | 40 (45) | 140 (144) | |

( ) = LABORATORY INHOUSE LIMIT

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P5217

**Client:** EarthEfficient LLC

**Analytical Method:** 8082A **DataFile :** PO108441.D

| Lab Sample ID: | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **BP-G-6MSD** | | | | | | | | | | | |
| P5216-01MSD | AR1016 | 185.4 | 0 | 211 | ug/kg | 114 | | 0 | | 40 (55) | 140 (146) | 30 (20) |
| | AR1260 | 185.4 | 0 | 208 | ug/kg | 112 | | 0 | | 40 (45) | 140 (144) | 30 (20) |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5217

**Client:** EarthEfficient LLC

**Analytical Method:** 8082A **Datafile :** PO108437.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB165518BS | AR1016 | 166.6 | 154 | ug/kg | 92 | | | | 40 (71) | 140 (120) | |
| | AR1260 | 166.6 | 161 | ug/kg | 97 | | | | 40 (65) | 140 (130) | |

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165518BL

Lab Name: CHEMTECH Contract: EART12

Lab Code: CHEM Case No.: P5217 SAS No.: P5217 SDG NO.: P5217

Lab Sample ID: PB165518BL Lab File ID: PO108436.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 12/10/2024

Date Analyzed (1): 12/10/2024 Date Analyzed (2): 12/10/2024

Time Analyzed (1): 12:25 Time Analyzed (2): 12:25

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| PB165518BS | PB165518BS | PO108437.D | 12/10/2024 | 12/10/2024 |
| BP-G-6MS | P5216-01MS | PO108440.D | 12/10/2024 | 12/10/2024 |
| BP-G-6MSD | P5216-01MSD | PO108441.D | 12/10/2024 | 12/10/2024 |
| MIXED-DEMO | P5217-01 | PO108451.D | 12/10/2024 | 12/10/2024 |

COMMENTS:

# QC SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | |
| Client Sample ID: | PB165518BL | SDG No.: | P5217 |
| Lab Sample ID: | PB165518BL | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108436.D | 1 | 12/10/24 08:15 | 12/10/24 12:25 | PB165518 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.40 | U | 3.40 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 6.40 | U | 6.40 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.40 | U | 3.40 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.40 | U | 3.40 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 7.90 | U | 7.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 2.70 | U | 2.70 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.60 | U | 4.60 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.40 | U | 3.40 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 2.90 | U | 2.90 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.0 | | 30 (32) - 150 (144) | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.3 | | 30 (32) - 150 (175) | 111% | SPK: 20 |

Comments:

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() = Laboratory InHouse Limit

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/06/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/06/24 |
| Client Sample ID: | PIBLK-PO108361.D | SDG No.: | P5217 |
| Lab Sample ID: | I.BLK-PO108361.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108361.D | 1 | | 12/06/24 | PO120624 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.6 | | 70 (60) - 130 (140) | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 23.6 | | 70 (60) - 130 (140) | 118% | SPK: 20 |

Comments:

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() = Laboratory InHouse Limit

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/10/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/10/24 |
| Client Sample ID: | PIBLK-PO108434.D | SDG No.: | P5217 |
| Lab Sample ID: | I.BLK-PO108434.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108434.D | 1 | | 12/10/24 | PO121024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.2 | | 70 (60) - 130 (140) | 116% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.1 | | 70 (60) - 130 (140) | 110% | SPK: 20 |

Comments:

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() = Laboratory InHouse Limit

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/10/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/10/24 |
| Client Sample ID: | PIBLK-PO108449.D | SDG No.: | P5217 |
| Lab Sample ID: | I.BLK-PO108449.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108449.D | 1 | | 12/10/24 | PO121024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.8 | | 70 (60) - 130 (140) | 119% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 23.7 | | 70 (60) - 130 (140) | 119% | SPK: 20 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/10/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/10/24 |
| Client Sample ID: | PIBLK-PO108464.D | SDG No.: | P5217 |
| Lab Sample ID: | I.BLK-PO108464.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108464.D | 1 | | 12/10/24 | PO121024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 24.1 | | 70 (60) - 130 (140) | 121% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.5 | | 70 (60) - 130 (140) | 108% | SPK: 20 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | |
| Client Sample ID: | PB165518BS | SDG No.: | P5217 |
| Lab Sample ID: | PB165518BS | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108437.D | 1 | 12/10/24 08:15 | 12/10/24 12:43 | PB165518 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 154 | | 3.40 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 6.40 | U | 6.40 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.40 | U | 3.40 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.40 | U | 3.40 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 7.90 | U | 7.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 2.70 | U | 2.70 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.60 | U | 4.60 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.40 | U | 3.40 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 161 | | 2.90 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.3 | | 30 (32) - 150 (144) | 101% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.2 | | 30 (32) - 150 (175) | 111% | SPK: 20 |

Comments:

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/07/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/09/24 |
| Client Sample ID: | BP-G-6MS | SDG No.: | P5217 |
| Lab Sample ID: | P5216-01MS | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 89.8 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108440.D | 1 | 12/10/24 08:15 | 12/10/24 13:38 | PB165518 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 211 | | 3.80 | 18.9 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 7.10 | U | 7.10 | 18.9 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.80 | U | 3.80 | 18.9 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.80 | U | 3.80 | 18.9 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 8.80 | U | 8.80 | 18.9 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.00 | U | 3.00 | 18.9 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.10 | U | 5.10 | 18.9 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.80 | U | 3.80 | 18.9 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 208 | | 3.20 | 18.9 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.2 | | 30 (32) - 150 (144) | 106% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.1 | | 30 (32) - 150 (175) | 105% | SPK: 20 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/07/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/09/24 |
| Client Sample ID: | BP-G-6MSD | SDG No.: | P5217 |
| Lab Sample ID: | P5216-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 89.8 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO108441.D | 1 | 12/10/24 08:15 | 12/10/24 13:56 | PB165518 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 211 | | 3.80 | 18.9 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 7.10 | U | 7.10 | 18.9 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.80 | U | 3.80 | 18.9 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.80 | U | 3.80 | 18.9 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 8.80 | U | 8.80 | 18.9 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.00 | U | 3.00 | 18.9 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.10 | U | 5.10 | 18.9 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.80 | U | 3.80 | 18.9 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 208 | | 3.20 | 18.9 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.9 | | 30 (32) - 150 (144) | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.0 | | 30 (32) - 150 (175) | 105% | SPK: 20 |

Comments:

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# CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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Fax : 908 789 8922



## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

**Calibration Times:** 14:19 22:34

GC Column: ZB-MR1 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PO108362.D RT 750 = PO108363.D

RT 500 = PO108364.D RT 250 = PO108365.D RT 050 = PO108366.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 4.71 | 4.91 |
| Aroclor-1016-2 | (2) | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.73 | 4.93 |
| Aroclor-1016-3 | (3) | 4.89 | 4.89 | 4.89 | 4.89 | 4.89 | 4.89 | 4.79 | 4.99 |
| Aroclor-1016-4 | (4) | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 4.91 | 5.11 |
| Aroclor-1016-5 | (5) | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.17 | 5.37 |
| Aroclor-1260-1 | (1) | 6.31 | 6.31 | 6.31 | 6.31 | 6.31 | 6.31 | 6.21 | 6.41 |
| Aroclor-1260-2 | (2) | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.40 | 6.60 |
| Aroclor-1260-3 | (3) | 6.87 | 6.87 | 6.87 | 6.87 | 6.87 | 6.87 | 6.77 | 6.97 |
| Aroclor-1260-4 | (4) | 7.13 | 7.13 | 7.13 | 7.13 | 7.13 | 7.13 | 7.03 | 7.23 |
| Aroclor-1260-5 | (5) | 7.37 | 7.37 | 7.37 | 7.37 | 7.37 | 7.37 | 7.27 | 7.47 |
| Decachlorobiphenyl | | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.69 | 8.89 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1242-1 | (1) | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 4.71 | 4.91 |
| Aroclor-1242-2 | (2) | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.73 | 4.93 |
| Aroclor-1242-3 | (3) | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.78 | 4.98 |
| Aroclor-1242-4 | (4) | 5.01 | 5.01 | 5.01 | 5.00 | 5.00 | 5.01 | 4.91 | 5.11 |
| Aroclor-1242-5 | (5) | 5.66 | 5.66 | 5.66 | 5.66 | 5.66 | 5.66 | 5.56 | 5.76 |
| Decachlorobiphenyl | | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.69 | 8.89 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1248-1 | (1) | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 4.71 | 4.91 |
| Aroclor-1248-2 | (2) | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 4.95 | 5.15 |
| Aroclor-1248-3 | (3) | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.16 | 5.36 |
| Aroclor-1248-4 | (4) | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.52 | 5.72 |
| Aroclor-1248-5 | (5) | 5.66 | 5.66 | 5.66 | 5.66 | 5.66 | 5.66 | 5.56 | 5.76 |
| Decachlorobiphenyl | | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.69 | 8.89 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1254-1 | (1) | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.52 | 5.72 |
| Aroclor-1254-2 | (2) | 5.77 | 5.77 | 5.77 | 5.77 | 5.77 | 5.77 | 5.67 | 5.87 |
| Aroclor-1254-3 | (3) | 6.18 | 6.17 | 6.17 | 6.17 | 6.17 | 6.17 | 6.07 | 6.27 |
| Aroclor-1254-4 | (4) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1254-5 | (5) | 6.83 | 6.83 | 6.83 | 6.83 | 6.83 | 6.83 | 6.73 | 6.93 |
| Decachlorobiphenyl | | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.69 | 8.89 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1268-1 | (1) | 7.65 | 7.65 | 7.65 | 7.66 | 7.66 | 7.65 | 7.55 | 7.75 |
| Aroclor-1268-2 | (2) | 7.72 | 7.72 | 7.72 | 7.72 | 7.72 | 7.72 | 7.62 | 7.82 |
| Aroclor-1268-3 | (3) | 7.93 | 7.93 | 7.93 | 7.93 | 7.93 | 7.93 | 7.83 | 8.03 |
| Aroclor-1268-4 | (4) | 8.22 | 8.22 | 8.22 | 8.22 | 8.22 | 8.22 | 8.12 | 8.32 |
| Aroclor-1268-5 | (5) | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.42 | 8.62 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.69 | 8.89 |
| Tetrachloro-m-xylene | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

**Calibration Times:** 14:19 22:34

GC Column: ZB-MR2 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PO108362.D RT 750 = PO108363.D

RT 500 = PO108364.D RT 250 = PO108365.D RT 050 = PO108366.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.70 | 4.90 |
| Aroclor-1016-2 | (2) | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.72 | 4.92 |
| Aroclor-1016-3 | (3) | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.89 | 5.09 |
| Aroclor-1016-4 | (4) | 5.04 | 5.04 | 5.04 | 5.04 | 5.04 | 5.04 | 4.94 | 5.14 |
| Aroclor-1016-5 | (5) | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 5.15 | 5.35 |
| Aroclor-1260-1 | (1) | 6.29 | 6.29 | 6.29 | 6.29 | 6.29 | 6.29 | 6.19 | 6.39 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.37 | 6.57 |
| Aroclor-1260-3 | (3) | 6.63 | 6.63 | 6.63 | 6.63 | 6.63 | 6.63 | 6.53 | 6.73 |
| Aroclor-1260-4 | (4) | 7.10 | 7.10 | 7.10 | 7.10 | 7.10 | 7.10 | 7.00 | 7.20 |
| Aroclor-1260-5 | (5) | 7.34 | 7.34 | 7.34 | 7.34 | 7.34 | 7.34 | 7.24 | 7.44 |
| Decachlorobiphenyl | | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1242-1 | (1) | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.70 | 4.90 |
| Aroclor-1242-2 | (2) | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.72 | 4.92 |
| Aroclor-1242-3 | (3) | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.89 | 5.09 |
| Aroclor-1242-4 | (4) | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 4.98 | 5.18 |
| Aroclor-1242-5 | (5) | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.50 | 5.70 |
| Decachlorobiphenyl | | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1248-1 | (1) | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.70 | 4.90 |
| Aroclor-1248-2 | (2) | 5.04 | 5.04 | 5.03 | 5.03 | 5.04 | 5.04 | 4.94 | 5.14 |
| Aroclor-1248-3 | (3) | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 4.98 | 5.18 |
| Aroclor-1248-4 | (4) | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 5.15 | 5.35 |
| Aroclor-1248-5 | (5) | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.54 | 5.74 |
| Decachlorobiphenyl | | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1254-1 | (1) | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.50 | 5.70 |
| Aroclor-1254-2 | (2) | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.65 | 5.85 |
| Aroclor-1254-3 | (3) | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.05 | 6.25 |
| Aroclor-1254-4 | (4) | 6.38 | 6.38 | 6.38 | 6.38 | 6.38 | 6.38 | 6.28 | 6.48 |
| Aroclor-1254-5 | (5) | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.70 | 6.90 |
| Decachlorobiphenyl | | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |
| Aroclor-1268-1 | (1) | 7.62 | 7.62 | 7.62 | 7.62 | 7.62 | 7.62 | 7.52 | 7.72 |
| Aroclor-1268-2 | (2) | 7.69 | 7.69 | 7.69 | 7.69 | 7.69 | 7.69 | 7.59 | 7.79 |
| Aroclor-1268-3 | (3) | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 7.80 | 8.00 |
| Aroclor-1268-4 | (4) | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 | 8.08 | 8.28 |
| Aroclor-1268-5 | (5) | 8.48 | 8.48 | 8.48 | 8.48 | 8.48 | 8.48 | 8.38 | 8.58 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

**Calibration Times:** 14:19 22:34

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

**LAB FILE ID:** **CF 1000 =** PO108362.D **CF 750 =** PO108363.D

**CF 500 =** PO108364.D **CF 250 =** PO108365.D **CF 050 =** PO108366.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 291946997 | 297743768 | 310620664 | 319628964 | 322276700 | 308443419 | 4 |
| Aroclor-1016-2 | (2) | 404548343 | 410201719 | 419086158 | 434302728 | 418957120 | 417419214 | 3 |
| Aroclor-1016-3 | (3) | 276313882 | 283350735 | 295214768 | 305005424 | 303271420 | 292631246 | 4 |
| Aroclor-1016-4 | (4) | 219460370 | 224028880 | 231955104 | 239248200 | 241192240 | 231176959 | 4 |
| Aroclor-1016-5 | (5) | 230837381 | 238568924 | 249276722 | 260302648 | 279364560 | 251670047 | 8 |
| Aroclor-1260-1 | (1) | 430087746 | 435401064 | 458150304 | 486996644 | 475087940 | 457144740 | 5 |
| Aroclor-1260-2 | (2) | 526959551 | 526383048 | 555764632 | 590931960 | 578558580 | 555719554 | 5 |
| Aroclor-1260-3 | (3) | 436965341 | 443883275 | 464184392 | 487588856 | 485769460 | 463678265 | 5 |
| Aroclor-1260-4 | (4) | 403312630 | 406530869 | 426472890 | 444299896 | 446086500 | 425340557 | 5 |
| Aroclor-1260-5 | (5) | 957132439 | 955503789 | 984649950 | 1000570432 | 961557080 | 971882738 | 2 |
| Decachlorobiphenyl | | 7019975940 | 7102279760 | 7343195240 | 7645101200 | 7409935200 | 7304097468 | 3 |
| Tetrachloro-m-xylene | | 8754554380 | 8783699800 | 8926447760 | 8858353120 | 8177601800 | 8700131372 | 3 |
| Aroclor-1242-1 | (1) | 247125512 | 244458381 | 250566506 | 269052152 | 275422740 | 257325058 | 5 |
| Aroclor-1242-2 | (2) | 337820704 | 332549081 | 339649972 | 356992284 | 358797680 | 345161944 | 3 |
| Aroclor-1242-3 | (3) | 232389462 | 228960781 | 237971694 | 251417972 | 255318460 | 241211674 | 5 |
| Aroclor-1242-4 | (4) | 184244210 | 179103536 | 186955244 | 196540012 | 206728220 | 190714244 | 6 |
| Aroclor-1242-5 | (5) | 194011522 | 194743607 | 197474576 | 218140108 | 233983940 | 207670751 | 9 |
| Decachlorobiphenyl | | 7151632520 | 7167100640 | 7259242160 | 7695082840 | 7616154000 | 7377842432 | 4 |
| Tetrachloro-m-xylene | | 8921368150 | 8691850413 | 8750108140 | 8842570400 | 8500038400 | 8741187101 | 2 |
| Aroclor-1248-1 | (1) | 180443308 | 190883876 | 199902132 | 213303984 | 216831760 | 200273012 | 8 |
| Aroclor-1248-2 | (2) | 246301061 | 262357348 | 276907834 | 298582396 | 301778920 | 277185512 | 9 |
| Aroclor-1248-3 | (3) | 307776547 | 326479597 | 342321706 | 362333244 | 366087160 | 340999651 | 7 |
| Aroclor-1248-4 | (4) | 437732929 | 457834677 | 479474244 | 502800428 | 504795820 | 476527620 | 6 |
| Aroclor-1248-5 | (5) | 308766537 | 323271540 | 339143702 | 357998428 | 363873980 | 338610837 | 7 |
| Decachlorobiphenyl | | 7041971050 | 7340001867 | 7677772660 | 8334328560 | 8377267200 | 7754268267 | 8 |
| Tetrachloro-m-xylene | | 8742483090 | 9116744787 | 9342439560 | 9446963040 | 8577776400 | 9045281375 | 4 |
| Aroclor-1254-1 | (1) | 463230517 | 487037587 | 512031514 | 533861324 | 572040640 | 513640316 | 8 |
| Aroclor-1254-2 | (2) | 407035308 | 429134731 | 452892530 | 476390932 | 511836900 | 455458080 | 9 |
| Aroclor-1254-3 | (3) | 665923649 | 695083201 | 726473802 | 743208540 | 769953480 | 720128534 | 6 |
| Aroclor-1254-4 | (4) | 404280854 | 421077525 | 444268156 | 458648100 | 465789400 | 438812807 | 6 |
| Aroclor-1254-5 | (5) | 578915300 | 604639081 | 636092894 | 662542188 | 693421140 | 635122121 | 7 |
| Decachlorobiphenyl | | 7146512650 | 7451889427 | 7845842200 | 8029803560 | 8289288000 | 7752667167 | 6 |
| Tetrachloro-m-xylene | | 8916956510 | 9205112240 | 9483653100 | 9313097600 | 8995829000 | 9182929690 | 3 |
| Aroclor-1268-1 | (1) | 1246089127 | 1198545457 | 1234114434 | 1276827264 | 1264498100 | 1244014876 | 2 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 1144198522 | 1088520925 | 1112229462 | 1147435628 | 1115923840 | 1121661675 | 2 |
| Aroclor-1268-3 | (3) | 940965396 | 832346444 | 919340748 | 953365360 | 884986220 | 906200834 | 5 |
| Aroclor-1268-4 | (4) | 385949324 | 370268229 | 384086808 | 404665236 | 389544200 | 386902759 | 3 |
| Aroclor-1268-5 | (5) | 2890019913 | 2756282528 | 2773652360 | 2815336668 | 2624622080 | 2771982710 | 4 |
| Decachlorobiphenyl | | 13116054520 | 12684928373 | 12985206200 | 13660251040 | 13550255000 | 13199339027 | 3 |
| Tetrachloro-m-xylene | | 9439924600 | 8926085107 | 9366220020 | 9585299080 | 8679584000 | 9199422561 | 4 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

**Calibration Times:** 14:19 22:34

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

**LAB FILE ID:** **CF 1000 =** PO108362.D **CF 750 =** PO108363.D

**CF 500 =** PO108364.D **CF 250 =** PO108365.D **CF 050 =** PO108366.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 153895169 | 156728372 | 161981056 | 169073964 | 160692820 | 160474276 | 4 |
| Aroclor-1016-2 | (2) | 216342839 | 218481491 | 224728354 | 232664856 | 218246400 | 222092788 | 3 |
| Aroclor-1016-3 | (3) | 120117826 | 122069885 | 126984464 | 131660600 | 128335340 | 125833623 | 4 |
| Aroclor-1016-4 | (4) | 96843518 | 100727947 | 106065160 | 112123848 | 108269060 | 104805907 | 6 |
| Aroclor-1016-5 | (5) | 124135109 | 128707045 | 133919966 | 139473364 | 149819760 | 135211049 | 7 |
| Aroclor-1260-1 | (1) | 220557751 | 224688929 | 233372252 | 247245708 | 244312440 | 234035416 | 5 |
| Aroclor-1260-2 | (2) | 265498816 | 268435476 | 278836448 | 291165028 | 298902840 | 280567722 | 5 |
| Aroclor-1260-3 | (3) | 247895049 | 250737920 | 258985508 | 271036448 | 289186460 | 263568277 | 6 |
| Aroclor-1260-4 | (4) | 206205103 | 207830825 | 214807128 | 221847076 | 213061100 | 212750246 | 3 |
| Aroclor-1260-5 | (5) | 485216265 | 483370987 | 491130416 | 498849136 | 461100640 | 483933489 | 3 |
| Decachlorobiphenyl | | 3766442770 | 3798929547 | 3925647180 | 4081005080 | 3802565400 | 3874917995 | 3 |
| Tetrachloro-m-xylene | | 5125815400 | 5157614040 | 5227779180 | 5235220160 | 4600485000 | 5069382756 | 5 |
| Aroclor-1242-1 | (1) | 129471703 | 129065633 | 132661290 | 141454628 | 146186400 | 135767931 | 6 |
| Aroclor-1242-2 | (2) | 181117644 | 180316532 | 183263990 | 191612732 | 190980420 | 185458264 | 3 |
| Aroclor-1242-3 | (3) | 100948316 | 100485531 | 102947708 | 108518220 | 114012140 | 105382383 | 5 |
| Aroclor-1242-4 | (4) | 100375229 | 100398940 | 104407974 | 111868140 | 119593080 | 107328673 | 8 |
| Aroclor-1242-5 | (5) | 119243844 | 118999972 | 122020908 | 130935164 | 140800680 | 126400114 | 7 |
| Decachlorobiphenyl | | 3837824030 | 3881889067 | 3932164520 | 4142632320 | 3981873600 | 3955276707 | 3 |
| Tetrachloro-m-xylene | | 5175637870 | 5056121747 | 5062590080 | 5077379040 | 4694060200 | 5013157787 | 4 |
| Aroclor-1248-1 | (1) | 96151235 | 101173276 | 106208356 | 111512520 | 110549280 | 105118933 | 6 |
| Aroclor-1248-2 | (2) | 134456241 | 142517627 | 150226096 | 159660040 | 159777460 | 149327493 | 7 |
| Aroclor-1248-3 | (3) | 143332101 | 151082947 | 159714030 | 169070604 | 168858280 | 158411592 | 7 |
| Aroclor-1248-4 | (4) | 168393487 | 177299203 | 184813874 | 193701216 | 188544620 | 182550480 | 5 |
| Aroclor-1248-5 | (5) | 162171392 | 168228800 | 176144562 | 182809080 | 188663420 | 175603451 | 6 |
| Decachlorobiphenyl | | 3812249930 | 3973614533 | 4145380680 | 4445118560 | 4295672800 | 4134407301 | 6 |
| Tetrachloro-m-xylene | | 4965646150 | 5143987440 | 5236574340 | 5255843080 | 4633325600 | 5047075322 | 5 |
| Aroclor-1254-1 | (1) | 245816740 | 256457156 | 269229946 | 279215328 | 303441080 | 270832050 | 8 |
| Aroclor-1254-2 | (2) | 215464605 | 225390397 | 238770420 | 248817564 | 271658880 | 240020373 | 9 |
| Aroclor-1254-3 | (3) | 351887512 | 364509791 | 380441060 | 386791796 | 393925500 | 375511132 | 5 |
| Aroclor-1254-4 | (4) | 202983022 | 209924784 | 220508360 | 226093392 | 228876240 | 217677160 | 5 |
| Aroclor-1254-5 | (5) | 301571990 | 312619885 | 327015726 | 332817532 | 339773740 | 322759775 | 5 |
| Decachlorobiphenyl | | 3941299730 | 4071714027 | 4258931580 | 4374402200 | 4331619600 | 4195593427 | 4 |
| Tetrachloro-m-xylene | | 5092418740 | 5228867107 | 5367266300 | 5227916200 | 4998387200 | 5182971109 | 3 |
| Aroclor-1268-1 | (1) | 656711077 | 629047555 | 645909990 | 662020976 | 635929760 | 645923872 | 2 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 598855523 | 573599667 | 581583226 | 594062960 | 559533920 | 581527059 | 3 |
| Aroclor-1268-3 | (3) | 514109640 | 473779721 | 502419092 | 515326152 | 488714860 | 498869893 | 4 |
| Aroclor-1268-4 | (4) | 204541613 | 194882907 | 202546298 | 212150808 | 201074520 | 203039229 | 3 |
| Aroclor-1268-5 | (5) | 1554458685 | 1488724905 | 1492118486 | 1500575756 | 1388253260 | 1484826218 | 4 |
| Decachlorobiphenyl | | 7216327300 | 6964723040 | 7142803680 | 7406390760 | 7194775600 | 7185004076 | 2 |
| Tetrachloro-m-xylene | | 5353757740 | 5060175947 | 5259788400 | 5326606440 | 4764065600 | 5152878825 | 5 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD_O **Date(s) Analyzed:** 12/06/2024 12/06/2024

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 3.93 | 3.83 | 4.03 | 113144000 |
| | | 2 | 4.01 | 3.91 | 4.11 | 86720400 |
| | | 3 | 4.09 | 3.99 | 4.19 | 254206000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.09 | 3.99 | 4.19 | 204770000 |
| | | 2 | 4.59 | 4.49 | 4.69 | 114353000 |
| | | 3 | 4.83 | 4.73 | 4.93 | 197477000 |
| | | 4 | 5.01 | 4.91 | 5.11 | 108380000 |
| | | 5 | 5.05 | 4.95 | 5.15 | 78329400 |
| Aroclor-1262 | 500 | 1 | 6.87 | 6.77 | 6.97 | 658396000 |
| | | 2 | 7.37 | 7.27 | 7.47 | 1111710000 |
| | | 3 | 7.65 | 7.55 | 7.75 | 436856000 |
| | | 4 | 7.72 | 7.62 | 7.82 | 806298000 |
| | | 5 | 8.22 | 8.12 | 8.32 | 354936000 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD_O **Date(s) Analyzed:** 12/06/2024 12/06/2024

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 3.92 | 3.82 | 4.02 | 62122600 |
| | | 2 | 4.01 | 3.91 | 4.11 | 47445000 |
| | | 3 | 4.08 | 3.98 | 4.18 | 140587000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.08 | 3.98 | 4.18 | 112052000 |
| | | 2 | 4.82 | 4.72 | 4.92 | 105754000 |
| | | 3 | 4.99 | 4.89 | 5.09 | 60347200 |
| | | 4 | 5.08 | 4.98 | 5.18 | 55556400 |
| | | 5 | 5.25 | 5.15 | 5.35 | 57576200 |
| Aroclor-1262 | 500 | 1 | 6.84 | 6.74 | 6.94 | 337974000 |
| | | 2 | 7.34 | 7.24 | 7.44 | 571854000 |
| | | 3 | 7.62 | 7.52 | 7.72 | 224428000 |
| | | 4 | 7.69 | 7.59 | 7.79 | 409588000 |
| | | 5 | 8.18 | 8.08 | 8.28 | 184828000 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Continuing Calib Date:** 12/10/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

**Continuing Calib Time:** 09:25 **Initial Calibration Time(s):** 14:19 22:34

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.81 | 4.81 | 4.71 | 4.91 | 0.00 |
| Aroclor-1016-2 | (2) | 4.83 | 4.83 | 4.73 | 4.93 | 0.00 |
| Aroclor-1016-3 | (3) | 4.88 | 4.89 | 4.79 | 4.99 | 0.01 |
| Aroclor-1016-4 | (4) | 5.00 | 5.01 | 4.91 | 5.11 | 0.01 |
| Aroclor-1016-5 | (5) | 5.26 | 5.27 | 5.17 | 5.37 | 0.01 |
| Aroclor-1260-1 | (1) | 6.31 | 6.31 | 6.21 | 6.41 | 0.00 |
| Aroclor-1260-2 | (2) | 6.49 | 6.50 | 6.40 | 6.60 | 0.01 |
| Aroclor-1260-3 | (3) | 6.86 | 6.87 | 6.77 | 6.97 | 0.01 |
| Aroclor-1260-4 | (4) | 7.13 | 7.13 | 7.03 | 7.23 | 0.00 |
| Aroclor-1260-5 | (5) | 7.37 | 7.37 | 7.27 | 7.47 | 0.00 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.61 | 3.81 | 0.00 |
| Decachlorobiphenyl | | 8.78 | 8.79 | 8.69 | 8.89 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Continuing Calib Date:** 12/10/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

**Continuing Calib Time:** 09:25 **Initial Calibration Time(s):** 14:19 22:34

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.79 | 4.80 | 4.70 | 4.90 | 0.01 |
| Aroclor-1016-2 | (2) | 4.81 | 4.82 | 4.72 | 4.92 | 0.01 |
| Aroclor-1016-3 | (3) | 4.99 | 4.99 | 4.89 | 5.09 | 0.00 |
| Aroclor-1016-4 | (4) | 5.03 | 5.04 | 4.94 | 5.14 | 0.01 |
| Aroclor-1016-5 | (5) | 5.25 | 5.25 | 5.15 | 5.35 | 0.01 |
| Aroclor-1260-1 | (1) | 6.28 | 6.29 | 6.19 | 6.39 | 0.01 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.62 | 6.63 | 6.53 | 6.73 | 0.01 |
| Aroclor-1260-4 | (4) | 7.09 | 7.10 | 7.00 | 7.20 | 0.01 |
| Aroclor-1260-5 | (5) | 7.33 | 7.34 | 7.24 | 7.44 | 0.01 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.61 | 3.81 | 0.00 |
| Decachlorobiphenyl | | 8.73 | 8.74 | 8.64 | 8.84 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 12/10/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO108430.D **Time Analyzed:** 09:25

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.806 | 4.709 | 4.909 | 528.530 | 500.000 | 5.7 |
| Aroclor-1016-2 | 4.826 | 4.729 | 4.929 | 535.930 | 500.000 | 7.2 |
| Aroclor-1016-3 | 4.882 | 4.785 | 4.985 | 527.970 | 500.000 | 5.6 |
| Aroclor-1016-4 | 5.003 | 4.907 | 5.107 | 539.570 | 500.000 | 7.9 |
| Aroclor-1016-5 | 5.262 | 5.165 | 5.365 | 540.020 | 500.000 | 8.0 |
| Aroclor-1260-1 | 6.306 | 6.210 | 6.410 | 518.530 | 500.000 | 3.7 |
| Aroclor-1260-2 | 6.494 | 6.398 | 6.598 | 512.820 | 500.000 | 2.6 |
| Aroclor-1260-3 | 6.864 | 6.769 | 6.969 | 480.430 | 500.000 | -3.9 |
| Aroclor-1260-4 | 7.125 | 7.029 | 7.229 | 463.890 | 500.000 | -7.2 |
| Aroclor-1260-5 | 7.366 | 7.270 | 7.470 | 497.800 | 500.000 | -0.4 |
| Decachlorobiphenyl | 8.784 | 8.691 | 8.891 | 45.050 | 50.000 | -9.9 |
| Tetrachloro-m-xylene | 3.708 | 3.610 | 3.810 | 53.830 | 50.000 | 7.7 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 12/10/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO108430.D **Time Analyzed:** 09:25

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.794 | 4.698 | 4.898 | 549.880 | 500.000 | 10.0 |
| Aroclor-1016-2 | 4.814 | 4.718 | 4.918 | 546.860 | 500.000 | 9.4 |
| Aroclor-1016-3 | 4.990 | 4.894 | 5.094 | 534.700 | 500.000 | 6.9 |
| Aroclor-1016-4 | 5.031 | 4.935 | 5.135 | 491.320 | 500.000 | -1.7 |
| Aroclor-1016-5 | 5.245 | 5.150 | 5.350 | 501.850 | 500.000 | 0.4 |
| Aroclor-1260-1 | 6.281 | 6.186 | 6.386 | 545.810 | 500.000 | 9.2 |
| Aroclor-1260-2 | 6.468 | 6.373 | 6.573 | 554.750 | 500.000 | 11.0 |
| Aroclor-1260-3 | 6.622 | 6.527 | 6.727 | 544.860 | 500.000 | 9.0 |
| Aroclor-1260-4 | 7.094 | 7.000 | 7.200 | 541.050 | 500.000 | 8.2 |
| Aroclor-1260-5 | 7.334 | 7.239 | 7.439 | 543.290 | 500.000 | 8.7 |
| Decachlorobiphenyl | 8.732 | 8.641 | 8.841 | 50.360 | 50.000 | 0.7 |
| Tetrachloro-m-xylene | 3.706 | 3.608 | 3.808 | 54.120 | 50.000 | 8.2 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Continuing Calib Date:** 12/10/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

**Continuing Calib Time:** 15:52 **Initial Calibration Time(s):** 14:19 22:34

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.81 | 4.81 | 4.71 | 4.91 | 0.00 |
| Aroclor-1016-2 | (2) | 4.83 | 4.83 | 4.73 | 4.93 | 0.00 |
| Aroclor-1016-3 | (3) | 4.88 | 4.89 | 4.79 | 4.99 | 0.01 |
| Aroclor-1016-4 | (4) | 5.00 | 5.01 | 4.91 | 5.11 | 0.01 |
| Aroclor-1016-5 | (5) | 5.26 | 5.27 | 5.17 | 5.37 | 0.01 |
| Aroclor-1260-1 | (1) | 6.31 | 6.31 | 6.21 | 6.41 | 0.00 |
| Aroclor-1260-2 | (2) | 6.49 | 6.50 | 6.40 | 6.60 | 0.01 |
| Aroclor-1260-3 | (3) | 6.86 | 6.87 | 6.77 | 6.97 | 0.01 |
| Aroclor-1260-4 | (4) | 7.12 | 7.13 | 7.03 | 7.23 | 0.01 |
| Aroclor-1260-5 | (5) | 7.37 | 7.37 | 7.27 | 7.47 | 0.01 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.61 | 3.81 | 0.00 |
| Decachlorobiphenyl | | 8.78 | 8.79 | 8.69 | 8.89 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Continuing Calib Date:** 12/10/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

**Continuing Calib Time:** 15:52 **Initial Calibration Time(s):** 14:19 22:34

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.79 | 4.80 | 4.70 | 4.90 | 0.01 |
| Aroclor-1016-2 | (2) | 4.81 | 4.82 | 4.72 | 4.92 | 0.01 |
| Aroclor-1016-3 | (3) | 4.99 | 4.99 | 4.89 | 5.09 | 0.00 |
| Aroclor-1016-4 | (4) | 5.03 | 5.04 | 4.94 | 5.14 | 0.01 |
| Aroclor-1016-5 | (5) | 5.25 | 5.25 | 5.15 | 5.35 | 0.01 |
| Aroclor-1260-1 | (1) | 6.28 | 6.29 | 6.19 | 6.39 | 0.01 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.62 | 6.63 | 6.53 | 6.73 | 0.01 |
| Aroclor-1260-4 | (4) | 7.09 | 7.10 | 7.00 | 7.20 | 0.01 |
| Aroclor-1260-5 | (5) | 7.33 | 7.34 | 7.24 | 7.44 | 0.01 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.61 | 3.81 | 0.00 |
| Decachlorobiphenyl | | 8.73 | 8.74 | 8.64 | 8.84 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 12/10/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO108445.D **Time Analyzed:** 15:52

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.807 | 4.709 | 4.909 | 516.500 | 500.000 | 3.3 |
| Aroclor-1016-2 | 4.826 | 4.729 | 4.929 | 526.670 | 500.000 | 5.3 |
| Aroclor-1016-3 | 4.882 | 4.785 | 4.985 | 523.180 | 500.000 | 4.6 |
| Aroclor-1016-4 | 5.004 | 4.907 | 5.107 | 521.190 | 500.000 | 4.2 |
| Aroclor-1016-5 | 5.262 | 5.165 | 5.365 | 515.310 | 500.000 | 3.1 |
| Aroclor-1260-1 | 6.306 | 6.210 | 6.410 | 505.860 | 500.000 | 1.2 |
| Aroclor-1260-2 | 6.494 | 6.398 | 6.598 | 507.010 | 500.000 | 1.4 |
| Aroclor-1260-3 | 6.863 | 6.769 | 6.969 | 509.420 | 500.000 | 1.9 |
| Aroclor-1260-4 | 7.124 | 7.029 | 7.229 | 505.260 | 500.000 | 1.1 |
| Aroclor-1260-5 | 7.365 | 7.270 | 7.470 | 505.220 | 500.000 | 1.0 |
| Decachlorobiphenyl | 8.781 | 8.691 | 8.891 | 47.940 | 50.000 | -4.1 |
| Tetrachloro-m-xylene | 3.709 | 3.610 | 3.810 | 52.390 | 50.000 | 4.8 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 12/10/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO108445.D **Time Analyzed:** 15:52

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.794 | 4.698 | 4.898 | 552.000 | 500.000 | 10.4 |
| Aroclor-1016-2 | 4.814 | 4.718 | 4.918 | 552.380 | 500.000 | 10.5 |
| Aroclor-1016-3 | 4.990 | 4.894 | 5.094 | 540.910 | 500.000 | 8.2 |
| Aroclor-1016-4 | 5.031 | 4.935 | 5.135 | 540.230 | 500.000 | 8.0 |
| Aroclor-1016-5 | 5.245 | 5.150 | 5.350 | 493.430 | 500.000 | -1.3 |
| Aroclor-1260-1 | 6.280 | 6.186 | 6.386 | 549.290 | 500.000 | 9.9 |
| Aroclor-1260-2 | 6.467 | 6.373 | 6.573 | 551.630 | 500.000 | 10.3 |
| Aroclor-1260-3 | 6.621 | 6.527 | 6.727 | 547.660 | 500.000 | 9.5 |
| Aroclor-1260-4 | 7.094 | 7.000 | 7.200 | 564.580 | 500.000 | 12.9 |
| Aroclor-1260-5 | 7.333 | 7.239 | 7.439 | 570.670 | 500.000 | 14.1 |
| Decachlorobiphenyl | 8.732 | 8.641 | 8.841 | 52.580 | 50.000 | 5.2 |
| Tetrachloro-m-xylene | 3.706 | 3.608 | 3.808 | 54.660 | 50.000 | 9.3 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Continuing Calib Date:** 12/10/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

**Continuing Calib Time:** 21:10 **Initial Calibration Time(s):** 14:19 22:34

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.81 | 4.81 | 4.71 | 4.91 | 0.00 |
| Aroclor-1016-2 | (2) | 4.83 | 4.83 | 4.73 | 4.93 | 0.00 |
| Aroclor-1016-3 | (3) | 4.88 | 4.89 | 4.79 | 4.99 | 0.01 |
| Aroclor-1016-4 | (4) | 5.00 | 5.01 | 4.91 | 5.11 | 0.01 |
| Aroclor-1016-5 | (5) | 5.26 | 5.27 | 5.17 | 5.37 | 0.01 |
| Aroclor-1260-1 | (1) | 6.31 | 6.31 | 6.21 | 6.41 | 0.01 |
| Aroclor-1260-2 | (2) | 6.49 | 6.50 | 6.40 | 6.60 | 0.01 |
| Aroclor-1260-3 | (3) | 6.86 | 6.87 | 6.77 | 6.97 | 0.01 |
| Aroclor-1260-4 | (4) | 7.12 | 7.13 | 7.03 | 7.23 | 0.01 |
| Aroclor-1260-5 | (5) | 7.37 | 7.37 | 7.27 | 7.47 | 0.01 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.61 | 3.81 | 0.00 |
| Decachlorobiphenyl | | 8.78 | 8.79 | 8.69 | 8.89 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Continuing Calib Date:** 12/10/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

**Continuing Calib Time:** 21:10 **Initial Calibration Time(s):** 14:19 22:34

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.79 | 4.80 | 4.70 | 4.90 | 0.01 |
| Aroclor-1016-2 | (2) | 4.81 | 4.82 | 4.72 | 4.92 | 0.01 |
| Aroclor-1016-3 | (3) | 4.99 | 4.99 | 4.89 | 5.09 | 0.00 |
| Aroclor-1016-4 | (4) | 5.03 | 5.04 | 4.94 | 5.14 | 0.01 |
| Aroclor-1016-5 | (5) | 5.25 | 5.25 | 5.15 | 5.35 | 0.00 |
| Aroclor-1260-1 | (1) | 6.28 | 6.29 | 6.19 | 6.39 | 0.01 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.62 | 6.63 | 6.53 | 6.73 | 0.01 |
| Aroclor-1260-4 | (4) | 7.09 | 7.10 | 7.00 | 7.20 | 0.01 |
| Aroclor-1260-5 | (5) | 7.33 | 7.34 | 7.24 | 7.44 | 0.01 |
| Tetrachloro-m-xylene | | 3.71 | 3.71 | 3.61 | 3.81 | 0.00 |
| Decachlorobiphenyl | | 8.73 | 8.74 | 8.64 | 8.84 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 12/10/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO108460.D **Time Analyzed:** 21:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.806 | 4.709 | 4.909 | 520.980 | 500.000 | 4.2 |
| Aroclor-1016-2 | 4.826 | 4.729 | 4.929 | 517.570 | 500.000 | 3.5 |
| Aroclor-1016-3 | 4.882 | 4.785 | 4.985 | 519.270 | 500.000 | 3.9 |
| Aroclor-1016-4 | 5.004 | 4.907 | 5.107 | 517.350 | 500.000 | 3.5 |
| Aroclor-1016-5 | 5.262 | 5.165 | 5.365 | 500.070 | 500.000 | 0.0 |
| Aroclor-1260-1 | 6.305 | 6.210 | 6.410 | 472.020 | 500.000 | -5.6 |
| Aroclor-1260-2 | 6.494 | 6.398 | 6.598 | 452.680 | 500.000 | -9.5 |
| Aroclor-1260-3 | 6.863 | 6.769 | 6.969 | 449.120 | 500.000 | -10.2 |
| Aroclor-1260-4 | 7.124 | 7.029 | 7.229 | 460.950 | 500.000 | -7.8 |
| Aroclor-1260-5 | 7.365 | 7.270 | 7.470 | 453.630 | 500.000 | -9.3 |
| Decachlorobiphenyl | 8.782 | 8.691 | 8.891 | 41.980 | 50.000 | -16.0 |
| Tetrachloro-m-xylene | 3.709 | 3.610 | 3.810 | 52.250 | 50.000 | 4.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 12/10/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO108460.D **Time Analyzed:** 21:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.794 | 4.698 | 4.898 | 569.110 | 500.000 | 13.8 |
| Aroclor-1016-2 | 4.814 | 4.718 | 4.918 | 562.750 | 500.000 | 12.6 |
| Aroclor-1016-3 | 4.990 | 4.894 | 5.094 | 555.150 | 500.000 | 11.0 |
| Aroclor-1016-4 | 5.032 | 4.935 | 5.135 | 543.960 | 500.000 | 8.8 |
| Aroclor-1016-5 | 5.246 | 5.150 | 5.350 | 503.000 | 500.000 | 0.6 |
| Aroclor-1260-1 | 6.281 | 6.186 | 6.386 | 539.260 | 500.000 | 7.9 |
| Aroclor-1260-2 | 6.467 | 6.373 | 6.573 | 527.630 | 500.000 | 5.5 |
| Aroclor-1260-3 | 6.621 | 6.527 | 6.727 | 516.760 | 500.000 | 3.4 |
| Aroclor-1260-4 | 7.094 | 7.000 | 7.200 | 529.440 | 500.000 | 5.9 |
| Aroclor-1260-5 | 7.333 | 7.239 | 7.439 | 526.350 | 500.000 | 5.3 |
| Decachlorobiphenyl | 8.732 | 8.641 | 8.841 | 49.970 | 50.000 | -0.1 |
| Tetrachloro-m-xylene | 3.707 | 3.608 | 3.808 | 56.150 | 50.000 | 12.3 |

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# Analytical Sequence

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Project:** 45-40 Vernon Blvd LIC **Instrument ID:** ECD_O

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 12/06/2024 12/06/2024

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 12/06/2024 | 14:01 | PO108361.D | 8.79 | 3.71 |
| AR1660ICC1000 | AR1660ICC1000 | 12/06/2024 | 14:19 | PO108362.D | 8.79 | 3.71 |
| AR1660ICC750 | AR1660ICC750 | 12/06/2024 | 14:38 | PO108363.D | 8.79 | 3.71 |
| AR1660ICC500 | AR1660ICC500 | 12/06/2024 | 14:56 | PO108364.D | 8.79 | 3.71 |
| AR1660ICC250 | AR1660ICC250 | 12/06/2024 | 15:14 | PO108365.D | 8.79 | 3.71 |
| AR1660ICC050 | AR1660ICC050 | 12/06/2024 | 15:33 | PO108366.D | 8.79 | 3.71 |
| AR1221ICC500 | AR1221ICC500 | 12/06/2024 | 15:51 | PO108367.D | 8.79 | 3.71 |
| AR1232ICC500 | AR1232ICC500 | 12/06/2024 | 16:09 | PO108368.D | 8.79 | 3.71 |
| AR1242ICC1000 | AR1242ICC1000 | 12/06/2024 | 16:28 | PO108369.D | 8.79 | 3.71 |
| AR1242ICC750 | AR1242ICC750 | 12/06/2024 | 16:46 | PO108370.D | 8.79 | 3.71 |
| AR1242ICC500 | AR1242ICC500 | 12/06/2024 | 17:04 | PO108371.D | 8.79 | 3.71 |
| AR1242ICC250 | AR1242ICC250 | 12/06/2024 | 17:23 | PO108372.D | 8.79 | 3.71 |
| AR1242ICC050 | AR1242ICC050 | 12/06/2024 | 17:41 | PO108373.D | 8.79 | 3.71 |
| AR1248ICC1000 | AR1248ICC1000 | 12/06/2024 | 17:59 | PO108374.D | 8.79 | 3.71 |
| AR1248ICC750 | AR1248ICC750 | 12/06/2024 | 18:18 | PO108375.D | 8.79 | 3.71 |
| AR1248ICC500 | AR1248ICC500 | 12/06/2024 | 18:36 | PO108376.D | 8.79 | 3.71 |
| AR1248ICC250 | AR1248ICC250 | 12/06/2024 | 18:54 | PO108377.D | 8.79 | 3.71 |
| AR1248ICC050 | AR1248ICC050 | 12/06/2024 | 19:13 | PO108378.D | 8.79 | 3.71 |
| AR1254ICC1000 | AR1254ICC1000 | 12/06/2024 | 19:31 | PO108379.D | 8.79 | 3.71 |
| AR1254ICC750 | AR1254ICC750 | 12/06/2024 | 19:49 | PO108380.D | 8.79 | 3.71 |
| AR1254ICC500 | AR1254ICC500 | 12/06/2024 | 20:08 | PO108381.D | 8.79 | 3.71 |
| AR1254ICC250 | AR1254ICC250 | 12/06/2024 | 20:26 | PO108382.D | 8.79 | 3.71 |
| AR1254ICC050 | AR1254ICC050 | 12/06/2024 | 20:44 | PO108383.D | 8.79 | 3.71 |
| AR1262ICC500 | AR1262ICC500 | 12/06/2024 | 21:03 | PO108384.D | 8.79 | 3.71 |
| AR1268ICC1000 | AR1268ICC1000 | 12/06/2024 | 21:21 | PO108385.D | 8.79 | 3.71 |
| AR1268ICC750 | AR1268ICC750 | 12/06/2024 | 21:39 | PO108386.D | 8.79 | 3.71 |
| AR1268ICC500 | AR1268ICC500 | 12/06/2024 | 21:58 | PO108387.D | 8.79 | 3.71 |
| AR1268ICC250 | AR1268ICC250 | 12/06/2024 | 22:16 | PO108388.D | 8.79 | 3.71 |
| AR1268ICC050 | AR1268ICC050 | 12/06/2024 | 22:34 | PO108389.D | 8.79 | 3.71 |
| AR1660CCC500 | AR1660CCC500 | 12/10/2024 | 09:25 | PO108430.D | 8.78 | 3.71 |
| I.BLK | I.BLK | 12/10/2024 | 10:56 | PO108434.D | 8.78 | 3.71 |
| PB165518BL | PB165518BL | 12/10/2024 | 12:25 | PO108436.D | 8.78 | 3.71 |
| PB165518BS | PB165518BS | 12/10/2024 | 12:43 | PO108437.D | 8.78 | 3.71 |
| BP-G-6MS | P5216-01MS | 12/10/2024 | 13:38 | PO108440.D | 8.78 | 3.71 |
| BP-G-6MSD | P5216-01MSD | 12/10/2024 | 13:56 | PO108441.D | 8.78 | 3.71 |
| AR1660CCC500 | AR1660CCC500 | 12/10/2024 | 15:52 | PO108445.D | 8.78 | 3.71 |
| I.BLK | I.BLK | 12/10/2024 | 17:06 | PO108449.D | 8.78 | 3.71 |
| MIXED-DEMO | P5217-01 | 12/10/2024 | 17:43 | PO108451.D | 8.78 | 3.71 |
| AR1660CCC500 | AR1660CCC500 | 12/10/2024 | 21:10 | PO108460.D | 8.78 | 3.71 |
| I.BLK | I.BLK | 12/10/2024 | 22:24 | PO108464.D | 8.78 | 3.71 |

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# Analytical Sequence

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Project:** 45-40 Vernon Blvd LIC **Instrument ID:** ECD_O

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 12/06/2024 12/06/2024

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 12/06/2024 | 14:01 | PO108361.D | 8.74 | 3.71 |
| AR1660ICC1000 | AR1660ICC1000 | 12/06/2024 | 14:19 | PO108362.D | 8.74 | 3.71 |
| AR1660ICC750 | AR1660ICC750 | 12/06/2024 | 14:38 | PO108363.D | 8.74 | 3.71 |
| AR1660ICC500 | AR1660ICC500 | 12/06/2024 | 14:56 | PO108364.D | 8.74 | 3.71 |
| AR1660ICC250 | AR1660ICC250 | 12/06/2024 | 15:14 | PO108365.D | 8.74 | 3.71 |
| AR1660ICC050 | AR1660ICC050 | 12/06/2024 | 15:33 | PO108366.D | 8.74 | 3.71 |
| AR1221ICC500 | AR1221ICC500 | 12/06/2024 | 15:51 | PO108367.D | 8.74 | 3.71 |
| AR1232ICC500 | AR1232ICC500 | 12/06/2024 | 16:09 | PO108368.D | 8.74 | 3.71 |
| AR1242ICC1000 | AR1242ICC1000 | 12/06/2024 | 16:28 | PO108369.D | 8.74 | 3.71 |
| AR1242ICC750 | AR1242ICC750 | 12/06/2024 | 16:46 | PO108370.D | 8.74 | 3.71 |
| AR1242ICC500 | AR1242ICC500 | 12/06/2024 | 17:04 | PO108371.D | 8.74 | 3.71 |
| AR1242ICC250 | AR1242ICC250 | 12/06/2024 | 17:23 | PO108372.D | 8.74 | 3.71 |
| AR1242ICC050 | AR1242ICC050 | 12/06/2024 | 17:41 | PO108373.D | 8.74 | 3.71 |
| AR1248ICC1000 | AR1248ICC1000 | 12/06/2024 | 17:59 | PO108374.D | 8.74 | 3.71 |
| AR1248ICC750 | AR1248ICC750 | 12/06/2024 | 18:18 | PO108375.D | 8.74 | 3.71 |
| AR1248ICC500 | AR1248ICC500 | 12/06/2024 | 18:36 | PO108376.D | 8.74 | 3.71 |
| AR1248ICC250 | AR1248ICC250 | 12/06/2024 | 18:54 | PO108377.D | 8.74 | 3.71 |
| AR1248ICC050 | AR1248ICC050 | 12/06/2024 | 19:13 | PO108378.D | 8.74 | 3.71 |
| AR1254ICC1000 | AR1254ICC1000 | 12/06/2024 | 19:31 | PO108379.D | 8.74 | 3.71 |
| AR1254ICC750 | AR1254ICC750 | 12/06/2024 | 19:49 | PO108380.D | 8.74 | 3.71 |
| AR1254ICC500 | AR1254ICC500 | 12/06/2024 | 20:08 | PO108381.D | 8.74 | 3.71 |
| AR1254ICC250 | AR1254ICC250 | 12/06/2024 | 20:26 | PO108382.D | 8.74 | 3.71 |
| AR1254ICC050 | AR1254ICC050 | 12/06/2024 | 20:44 | PO108383.D | 8.74 | 3.71 |
| AR1262ICC500 | AR1262ICC500 | 12/06/2024 | 21:03 | PO108384.D | 8.74 | 3.71 |
| AR1268ICC1000 | AR1268ICC1000 | 12/06/2024 | 21:21 | PO108385.D | 8.74 | 3.71 |
| AR1268ICC750 | AR1268ICC750 | 12/06/2024 | 21:39 | PO108386.D | 8.74 | 3.71 |
| AR1268ICC500 | AR1268ICC500 | 12/06/2024 | 21:58 | PO108387.D | 8.74 | 3.71 |
| AR1268ICC250 | AR1268ICC250 | 12/06/2024 | 22:16 | PO108388.D | 8.74 | 3.71 |
| AR1268ICC050 | AR1268ICC050 | 12/06/2024 | 22:34 | PO108389.D | 8.74 | 3.71 |
| AR1660CCC500 | AR1660CCC500 | 12/10/2024 | 09:25 | PO108430.D | 8.73 | 3.71 |
| I.BLK | I.BLK | 12/10/2024 | 10:56 | PO108434.D | 8.73 | 3.71 |
| PB165518BL | PB165518BL | 12/10/2024 | 12:25 | PO108436.D | 8.73 | 3.71 |
| PB165518BS | PB165518BS | 12/10/2024 | 12:43 | PO108437.D | 8.73 | 3.71 |
| BP-G-6MS | P5216-01MS | 12/10/2024 | 13:38 | PO108440.D | 8.73 | 3.71 |
| BP-G-6MSD | P5216-01MSD | 12/10/2024 | 13:56 | PO108441.D | 8.73 | 3.71 |
| AR1660CCC500 | AR1660CCC500 | 12/10/2024 | 15:52 | PO108445.D | 8.73 | 3.71 |
| I.BLK | I.BLK | 12/10/2024 | 17:06 | PO108449.D | 8.73 | 3.71 |
| MIXED-DEMO | P5217-01 | 12/10/2024 | 17:43 | PO108451.D | 8.73 | 3.71 |
| AR1660CCC500 | AR1660CCC500 | 12/10/2024 | 21:10 | PO108460.D | 8.73 | 3.71 |
| I.BLK | I.BLK | 12/10/2024 | 22:24 | PO108464.D | 8.73 | 3.71 |

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## IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB165518BS

Contract: EART12

Lab Code: CHEM Case No.: P5217 SAS No.: P5217 SDG NO.: P5217

Lab Sample ID: PB165518BS Date(s) Analyzed: 12/10/2024 12/10/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO108437.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 4.806 | 4.756 | 4.856 | 156 | | |
| | 2 | 4.827 | 4.777 | 4.877 | 156 | | |
| | 3 | 4.882 | 4.832 | 4.932 | 155 | | |
| COLUMN 1 | 4 | 5.004 | 4.954 | 5.054 | 155 | | |
| | 5 | 5.261 | 5.211 | 5.311 | 150 | 154 | |
| | 1 | 4.794 | 4.744 | 4.844 | 159 | | |
| | 2 | 4.814 | 4.764 | 4.864 | 159 | | |
| | 3 | 4.989 | 4.939 | 5.039 | 157 | | |
| | 4 | 5.031 | 4.981 | 5.081 | 154 | | |
| COLUMN 2 | 5 | 5.245 | 5.195 | 5.295 | 132 | 152 | 1.31 |
| Aroclor-1260 | 1 | 6.306 | 6.256 | 6.356 | 160 | | |
| | 2 | 6.494 | 6.444 | 6.544 | 160 | | |
| | 3 | 6.863 | 6.813 | 6.913 | 139 | | |
| COLUMN 1 | 4 | 7.126 | 7.076 | 7.176 | 136 | | |
| | 5 | 7.366 | 7.316 | 7.416 | 134 | 146 | |
| | 1 | 6.28 | 6.23 | 6.33 | 167 | | |
| | 2 | 6.467 | 6.417 | 6.517 | 166 | | |
| | 3 | 6.621 | 6.571 | 6.671 | 167 | | |
| | 4 | 7.094 | 7.044 | 7.144 | 150 | | |
| COLUMN 2 | 5 | 7.333 | 7.283 | 7.383 | 152 | 161 | 9.77 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BP-G-6MS

Contract: EART12

Lab Code: CHEM Case No.: P5217 SAS No.: P5217 SDG NO.: P5217

Lab Sample ID: P5216-01MS Date(s) Analyzed: 12/10/2024 12/10/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO108440.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 4.807 | 4.757 | 4.857 | 206 | | |
| | 2 | 4.827 | 4.777 | 4.877 | 208 | | |
| | 3 | 4.883 | 4.833 | 4.933 | 206 | | |
| COLUMN 1 | 4 | 5.004 | 4.954 | 5.054 | 204 | | |
| | 5 | 5.262 | 5.212 | 5.312 | 197 | 204 | |
| | 1 | 4.794 | 4.744 | 4.844 | 218 | | |
| | 2 | 4.814 | 4.764 | 4.864 | 217 | | |
| | 3 | 4.99 | 4.94 | 5.04 | 211 | | |
| | 4 | 5.031 | 4.981 | 5.081 | 204 | | |
| COLUMN 2 | 5 | 5.245 | 5.195 | 5.295 | 205 | 211 | 3.37 |
| Aroclor-1260 | 1 | 6.306 | 6.256 | 6.356 | 203 | | |
| | 2 | 6.494 | 6.444 | 6.544 | 199 | | |
| | 3 | 6.864 | 6.814 | 6.914 | 173 | | |
| COLUMN 1 | 4 | 7.125 | 7.075 | 7.175 | 174 | | |
| | 5 | 7.366 | 7.316 | 7.416 | 168 | 183 | |
| | 1 | 6.281 | 6.231 | 6.331 | 219 | | |
| | 2 | 6.467 | 6.417 | 6.517 | 215 | | |
| | 3 | 6.621 | 6.571 | 6.671 | 216 | | |
| | 4 | 7.094 | 7.044 | 7.144 | 194 | | |
| COLUMN 2 | 5 | 7.333 | 7.283 | 7.383 | 197 | 208 | 12.79 |

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Fax : 908 789 8922



IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BP-G-6MSD

Contract: EART12

Lab Code: CHEM Case No.: P5217 SAS No.: P5217 SDG NO.: P5217

Lab Sample ID: P5216-01MSD Date(s) Analyzed: 12/10/2024 12/10/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO108441.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 4.807 | 4.757 | 4.857 | 206 | | |
| | 2 | 4.827 | 4.777 | 4.877 | 206 | | |
| | 3 | 4.882 | 4.832 | 4.932 | 204 | | |
| COLUMN 1 | 4 | 5.004 | 4.954 | 5.054 | 203 | | |
| | 5 | 5.262 | 5.212 | 5.312 | 196 | 203 | |
| | 1 | 4.794 | 4.744 | 4.844 | 218 | | |
| | 2 | 4.814 | 4.764 | 4.864 | 219 | | |
| | 3 | 4.99 | 4.94 | 5.04 | 212 | | |
| | 4 | 5.032 | 4.982 | 5.082 | 204 | | |
| COLUMN 2 | 5 | 5.245 | 5.195 | 5.295 | 204 | 211 | 3.86 |
| Aroclor-1260 | 1 | 6.306 | 6.256 | 6.356 | 203 | | |
| | 2 | 6.494 | 6.444 | 6.544 | 201 | | |
| | 3 | 6.865 | 6.815 | 6.915 | 173 | | |
| COLUMN 1 | 4 | 7.125 | 7.075 | 7.175 | 177 | | |
| | 5 | 7.366 | 7.316 | 7.416 | 173 | 185 | |
| | 1 | 6.281 | 6.231 | 6.331 | 219 | | |
| | 2 | 6.468 | 6.418 | 6.518 | 215 | | |
| | 3 | 6.621 | 6.571 | 6.671 | 217 | | |
| | 4 | 7.094 | 7.044 | 7.144 | 194 | | |
| COLUMN 2 | 5 | 7.333 | 7.283 | 7.383 | 197 | 208 | 11.7 |

# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 17:43
Operator : YP/AJ
Sample : P5217-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
MIXED-DEMO

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:34:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.709 | 3.707 | 108.4E6 | 56212172 | 12.464 | 11.089 |
| 2) | SA Decachlor... | 8.784 | 8.732 | 60711459 | 38575311 | 8.312 | 9.955 |
| | Target Compounds | | | | | | |

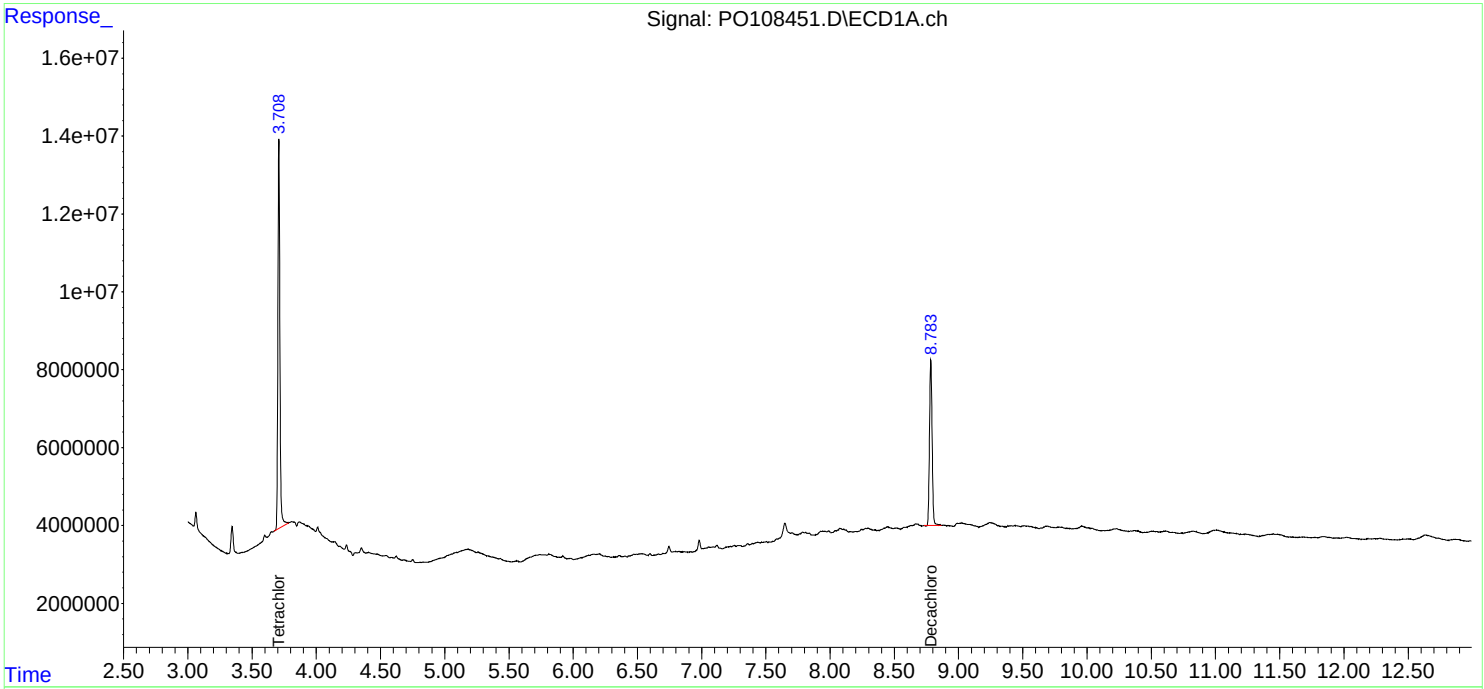
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

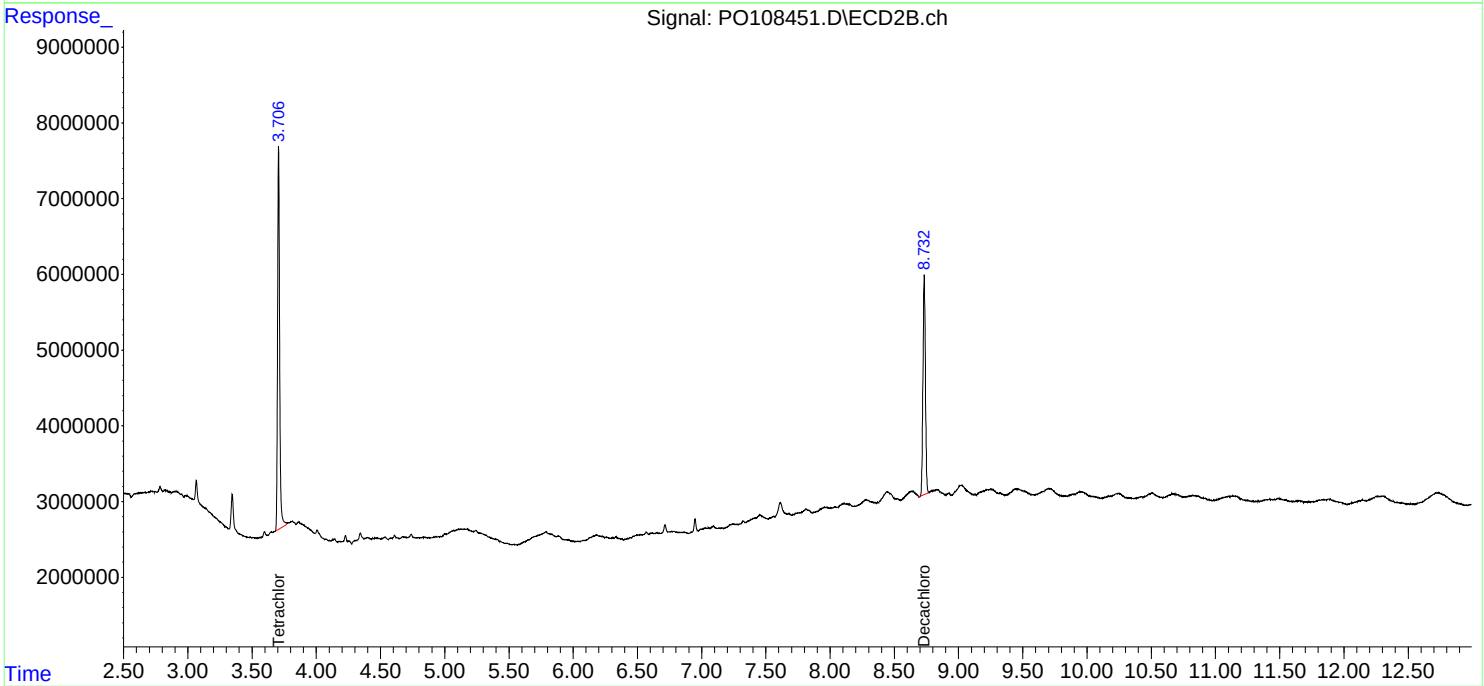
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 17:43
Operator : YP/AJ
Sample : P5217-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
MIXED-DEMO

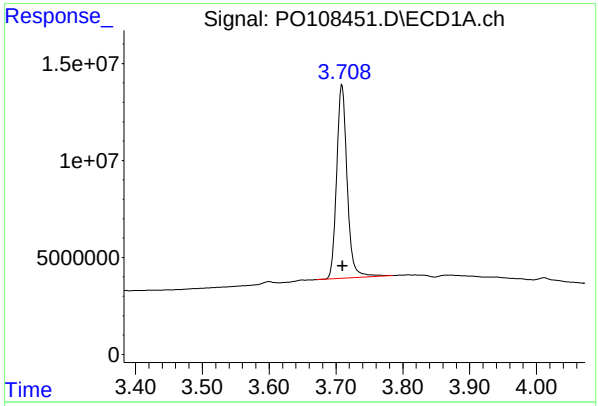
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:34:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



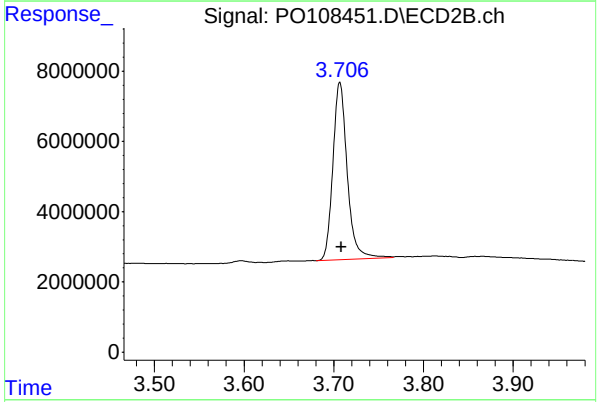



**Instrument :**
ECD_O
**ClientSampleId :**
MIXED-DEMO



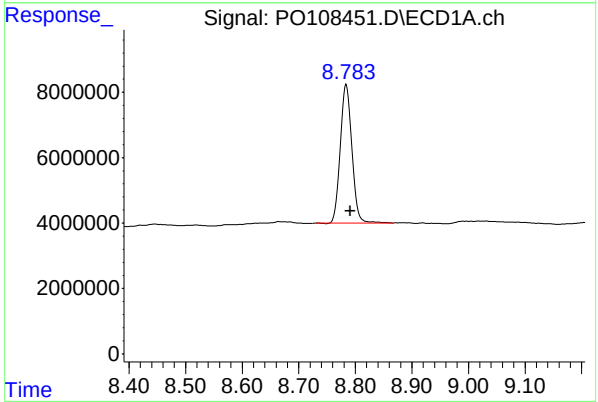

#1 Tetrachloro-m-xylene

R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 108441038
Conc: 12.46 ng/ml



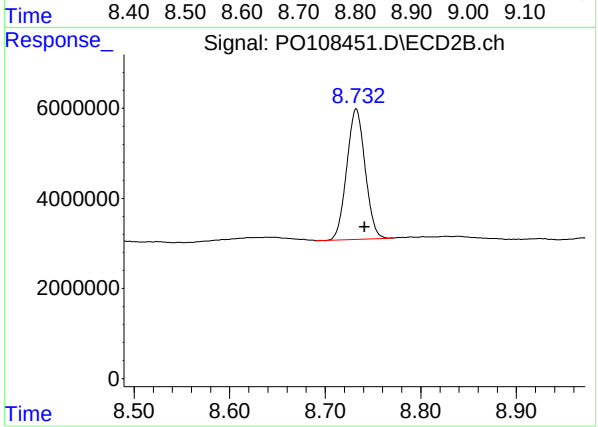

#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: -0.002 min
Response: 56212172
Conc: 11.09 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: -0.007 min
Response: 60711459
Conc: 8.31 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: -0.009 min
Response: 38575311
Conc: 9.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:25
Operator : YP/AJ
Sample : PB165518BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB165518BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:30:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.708 | 3.705 | 182.8E6 | 102.8E6 | 21.013 | 20.272 |
| 2) | SA Decachlor... | 8.784 | 8.732 | 153.6E6 | 86255089 | 21.027 | 22.260 |
| | Target Compounds | | | | | | |

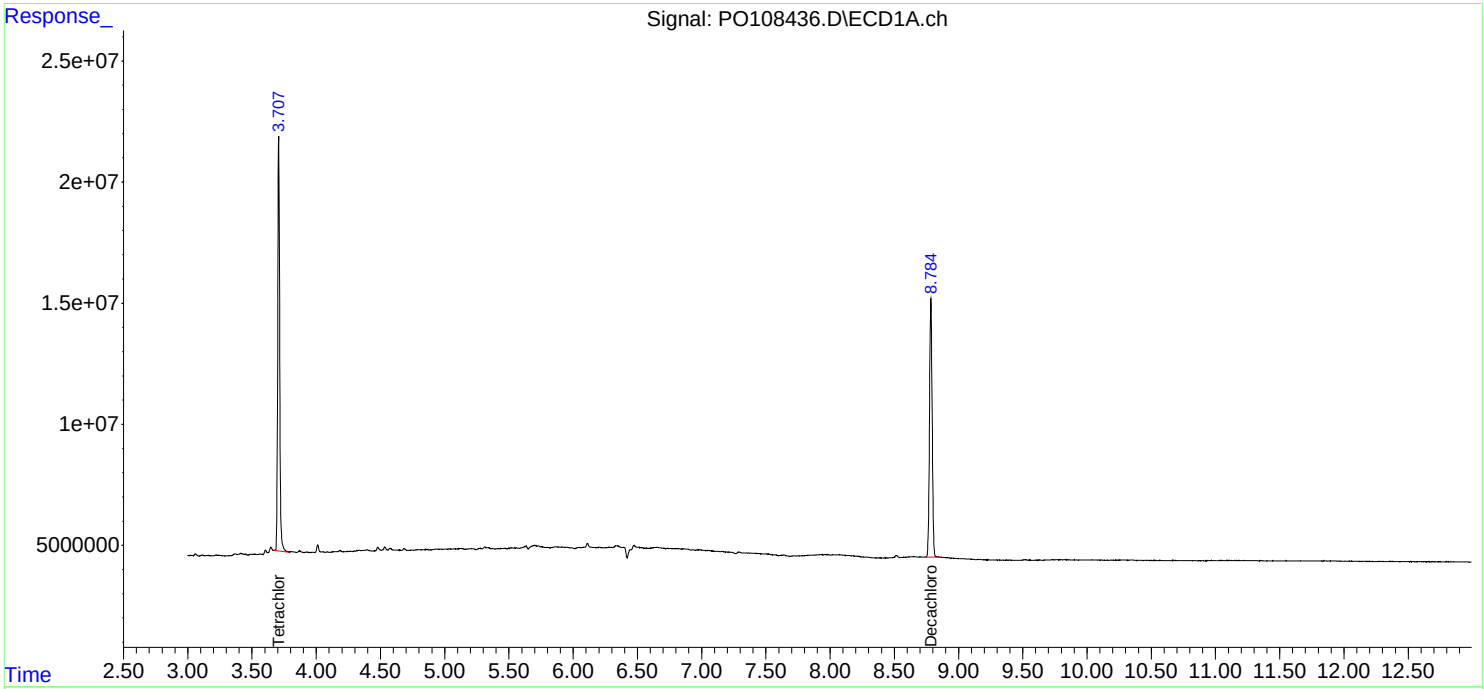
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

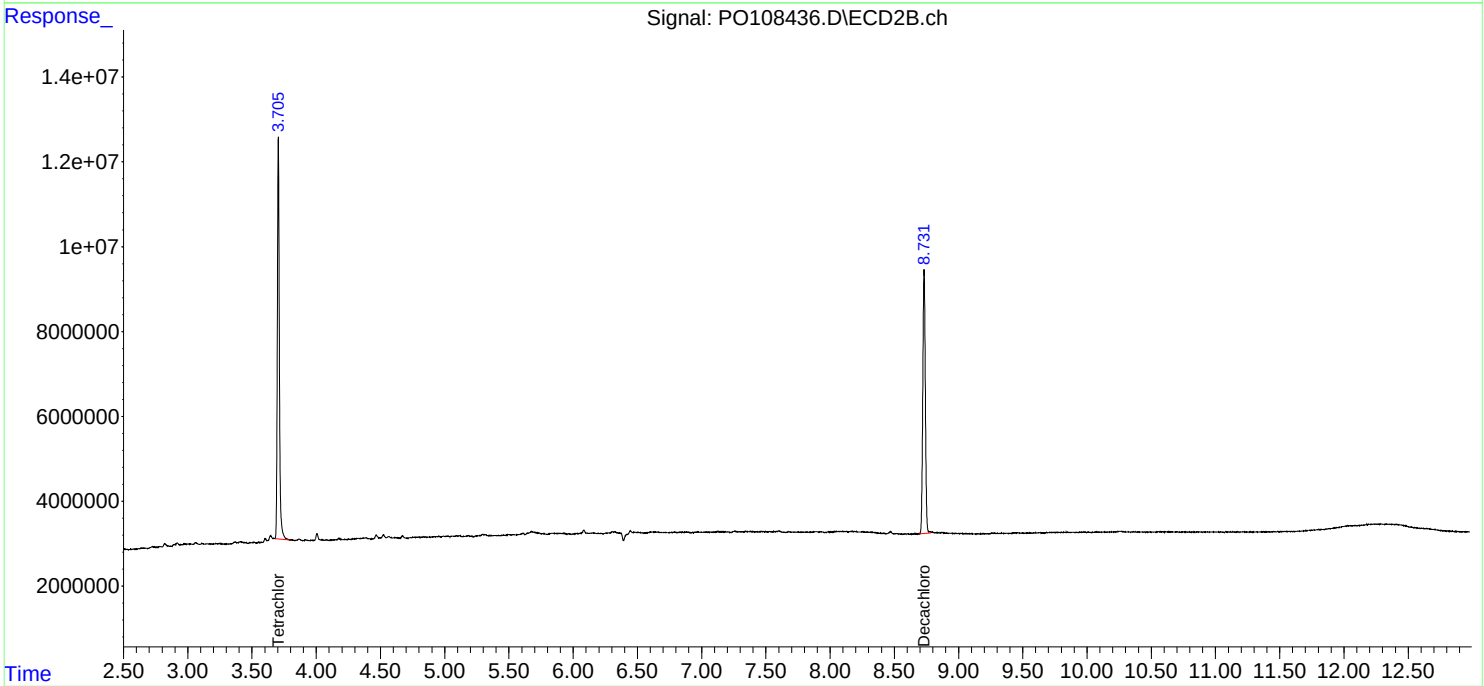
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:25
Operator : YP/AJ
Sample : PB165518BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB165518BL

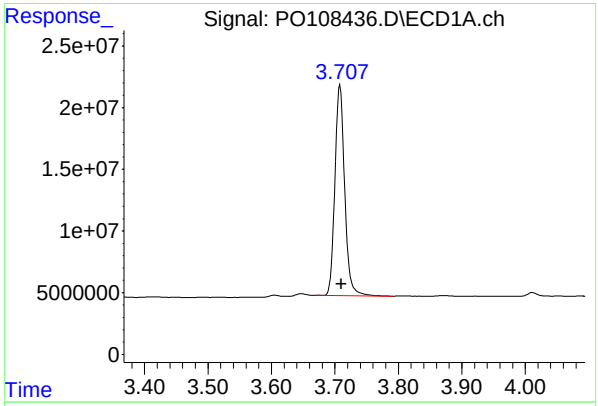
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:30:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



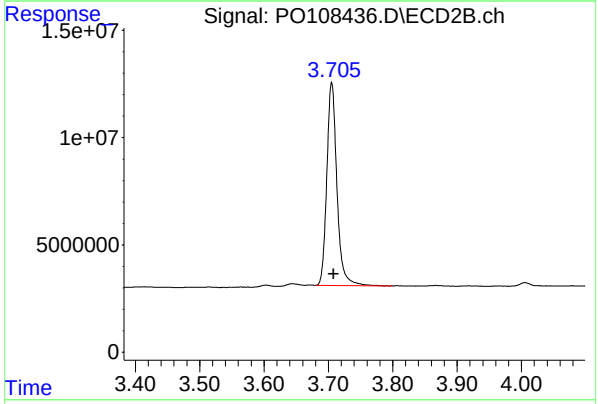



**Instrument :**
ECD_O
**ClientSampleId :**
PB165518BL



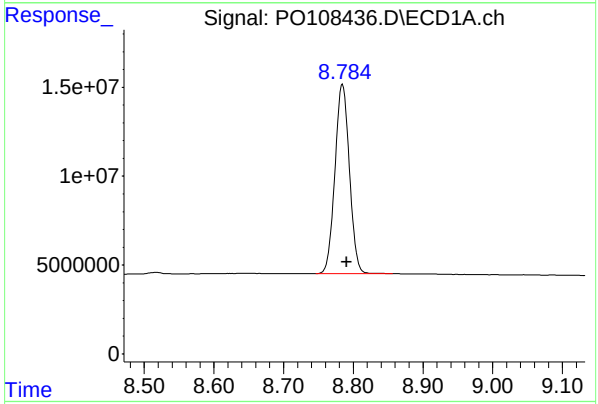

#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: -0.002 min
Response: 182817593
Conc: 21.01 ng/ml



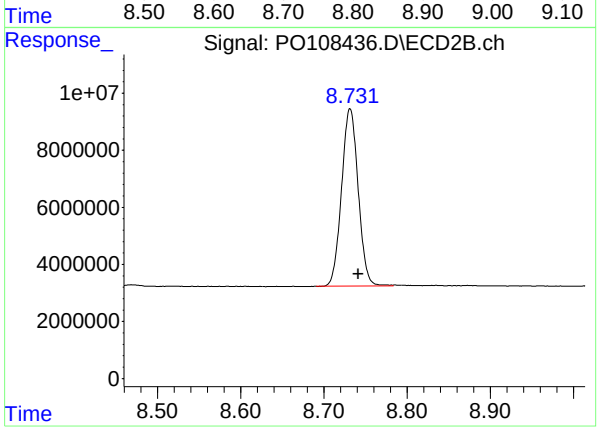

#1 Tetrachloro-m-xylene

R.T.: 3.705 min
Delta R.T.: -0.003 min
Response: 102764806
Conc: 20.27 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: -0.006 min
Response: 153582590
Conc: 21.03 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: -0.010 min
Response: 86255089
Conc: 22.26 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:43
Operator : YP/AJ
Sample : PB165518BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB165518BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:30:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.709 | 3.706 | 176.5E6 | 99129915 | 20.289 | 19.555 |
| 2) | SA Decachlor... | 8.784 | 8.732 | 152.8E6 | 86021262 | 20.922 | 22.200 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.806 | 4.794 | 143.9E6 | 76646969 | 466.694 | 477.628 |
| 4) | L1 AR-1016-2 | 4.827 | 4.814 | 195.3E6 | 106.1E6 | 467.945 | 477.898 |
| 5) | L1 AR-1016-3 | 4.882 | 4.989 | 136.2E6 | 59169857 | 465.546 | 470.223 |
| 6) | L1 AR-1016-4 | 5.004 | 5.031 | 107.8E6 | 48394075 | 466.147 | 461.749 |
| 7) | L1 AR-1016-5 | 5.261 | 5.245 | 113.2E6 | 53577423 | 449.888 | 396.250 |
| 31) | L7 AR-1260-1 | 6.306 | 6.280 | 219.9E6 | 117.3E6 | 481.078 | 501.034 |
| 32) | L7 AR-1260-2 | 6.494 | 6.467 | 267.0E6 | 140.2E6 | 480.492 | 499.562 |
| 33) | L7 AR-1260-3 | 6.863 | 6.621 | 193.2E6 | 132.1E6 | 416.716 | 501.165 |
| 34) | L7 AR-1260-4 | 7.126 | 7.094 | 173.4E6 | 95957292 | 407.618 | 451.033 |
| 35) | L7 AR-1260-5 | 7.366 | 7.333 | 390.7E6 | 221.1E6 | 402.002 | 456.890 |

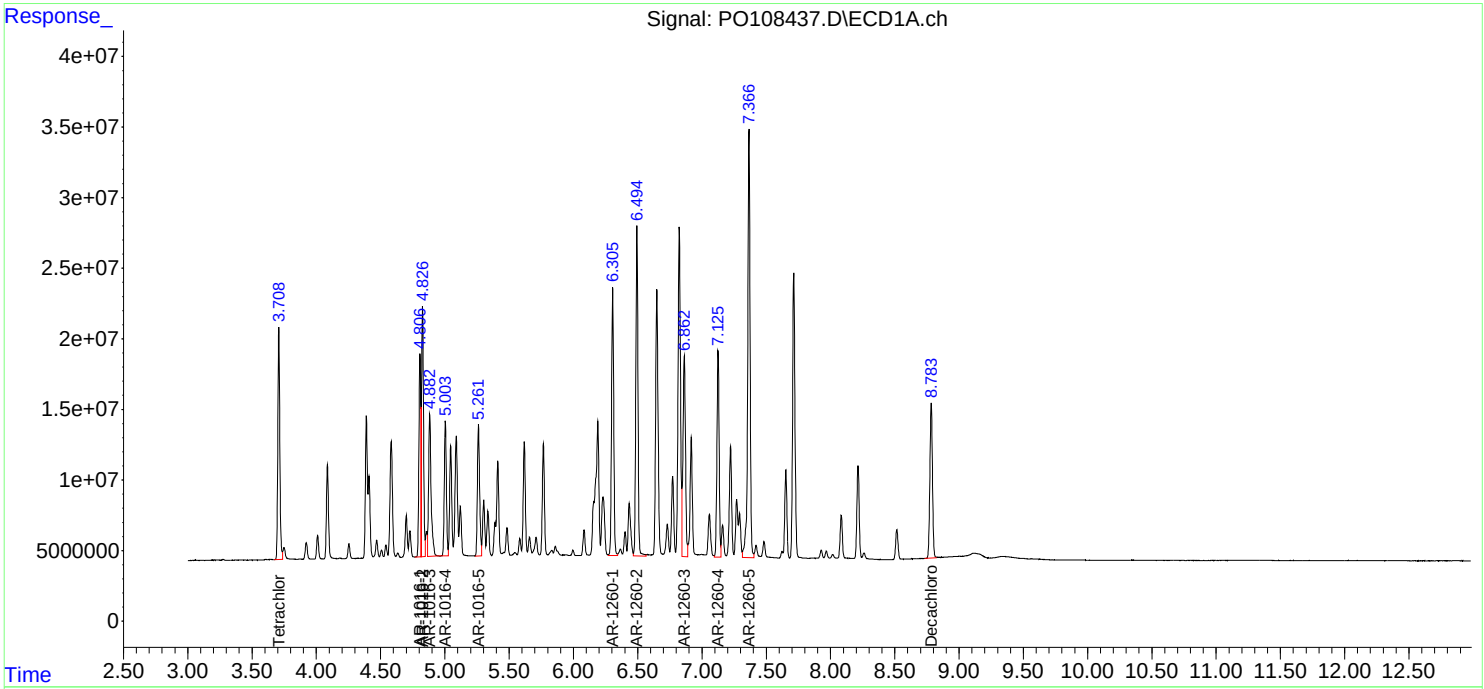
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

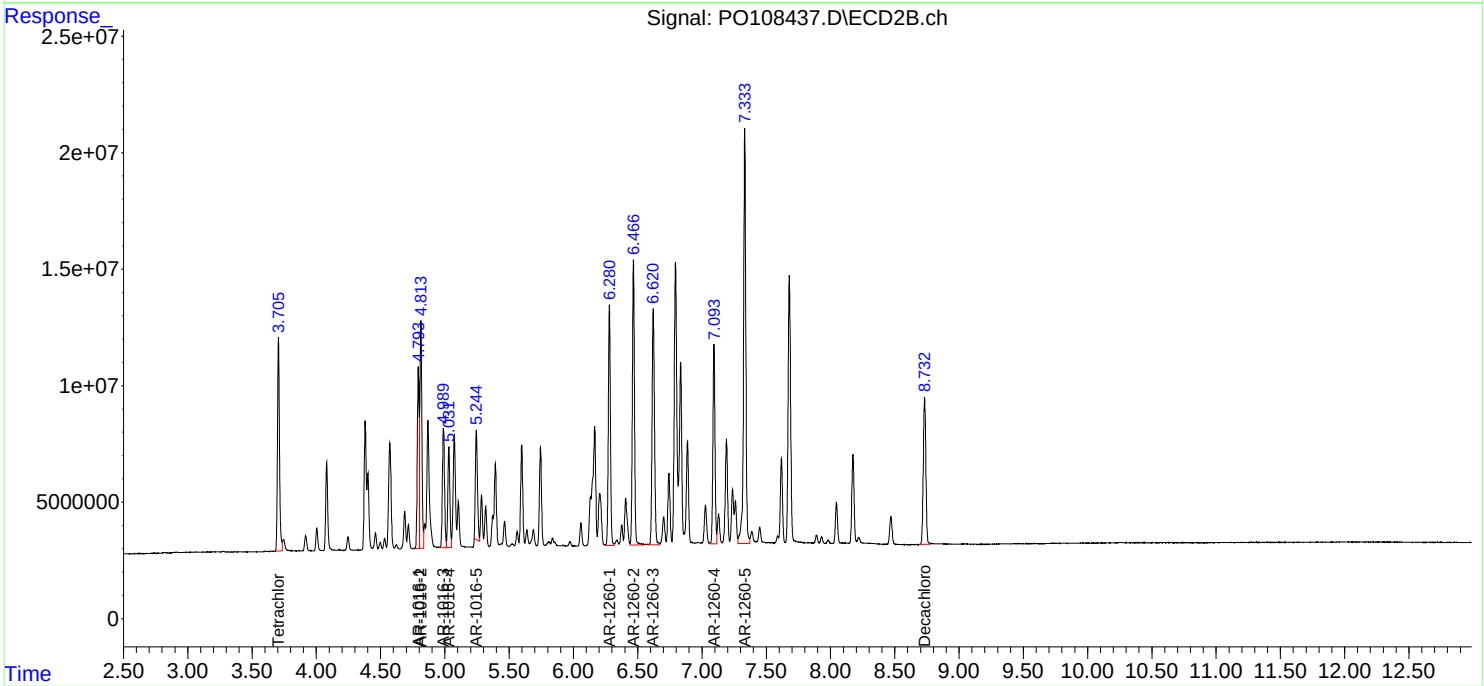
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:43
Operator : YP/AJ
Sample : PB165518BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB165518BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:30:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:38
Operator : YP/AJ
Sample : P5216-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
BP-G-6MS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/11/2024
Supervised By :Ankita Jodhani 12/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:31:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.709 | 3.706 | 184.2E6 | 106.6E6 | 21.175 | 21.034 |
| 2) SA | Decachlor... | 8.784 | 8.732 | 144.5E6 | 81723469 | 19.781 | 21.090 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 4.807 | 4.794 | 171.7E6 | 94519430 | 556.713 | 589.001 |
| 4) L1 | AR-1016-2 | 4.827 | 4.814 | 233.8E6 | 130.1E6 | 560.172 | 585.760 |
| 5) L1 | AR-1016-3 | 4.883 | 4.990 | 162.6E6 | 71578776 | 555.525 | 568.837 |
| 6) L1 | AR-1016-4 | 5.004 | 5.031 | 127.1E6 | 57727643 | 549.923 | 550.805 |
| 7) L1 | AR-1016-5 | 5.262 | 5.245 | 133.6E6 | 74700204 | 530.689 | 552.471m |
| 31) L7 | AR-1260-1 | 6.306 | 6.281 | 250.3E6 | 138.1E6 | 547.613 | 589.911 |
| 32) L7 | AR-1260-2 | 6.494 | 6.467 | 298.3E6 | 162.5E6 | 536.841 | 579.024 |
| 33) L7 | AR-1260-3 | 6.864 | 6.621 | 216.2E6 | 153.7E6 | 466.213 | 583.125 # |
| 34) L7 | AR-1260-4 | 7.125 | 7.094 | 199.7E6 | 111.4E6 | 469.554 | 523.540 |
| 35) L7 | AR-1260-5 | 7.366 | 7.333 | 441.3E6 | 257.0E6 | 454.048 | 531.082 |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

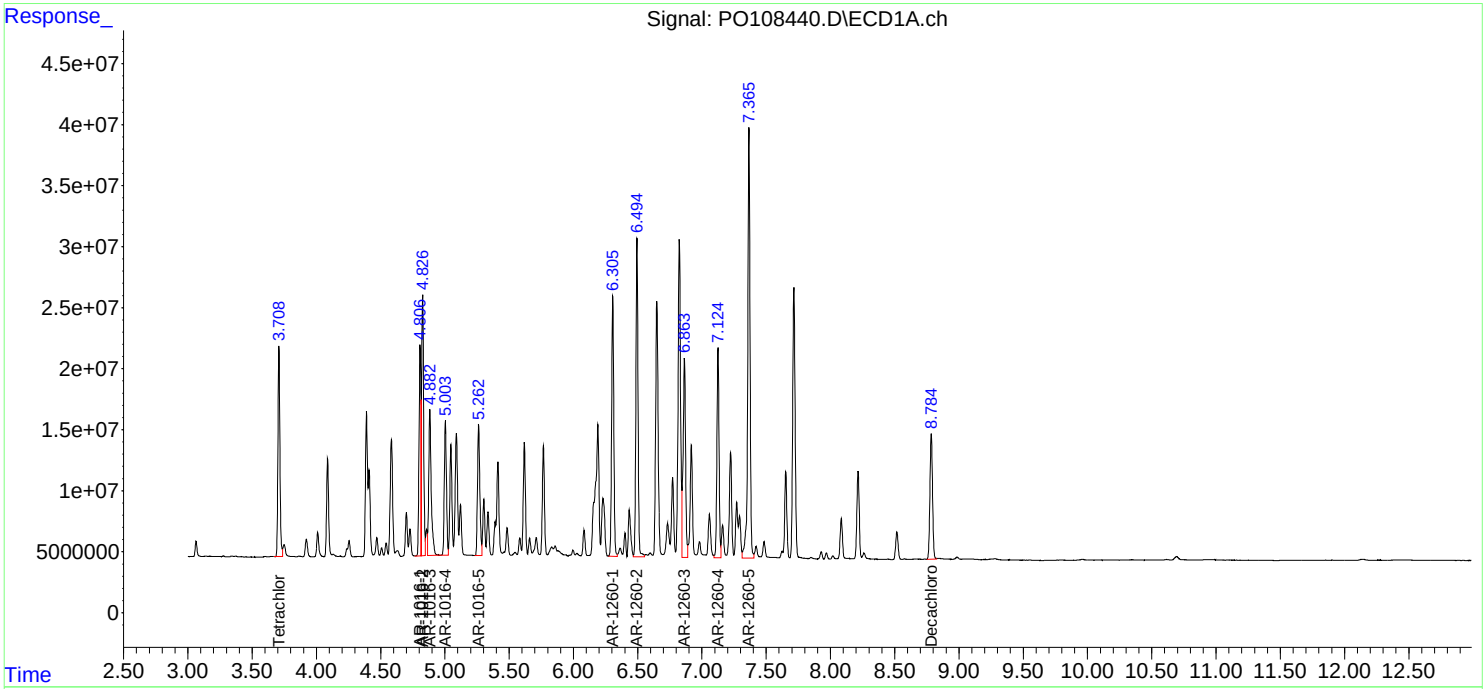
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:38
Operator : YP/AJ
Sample : P5216-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

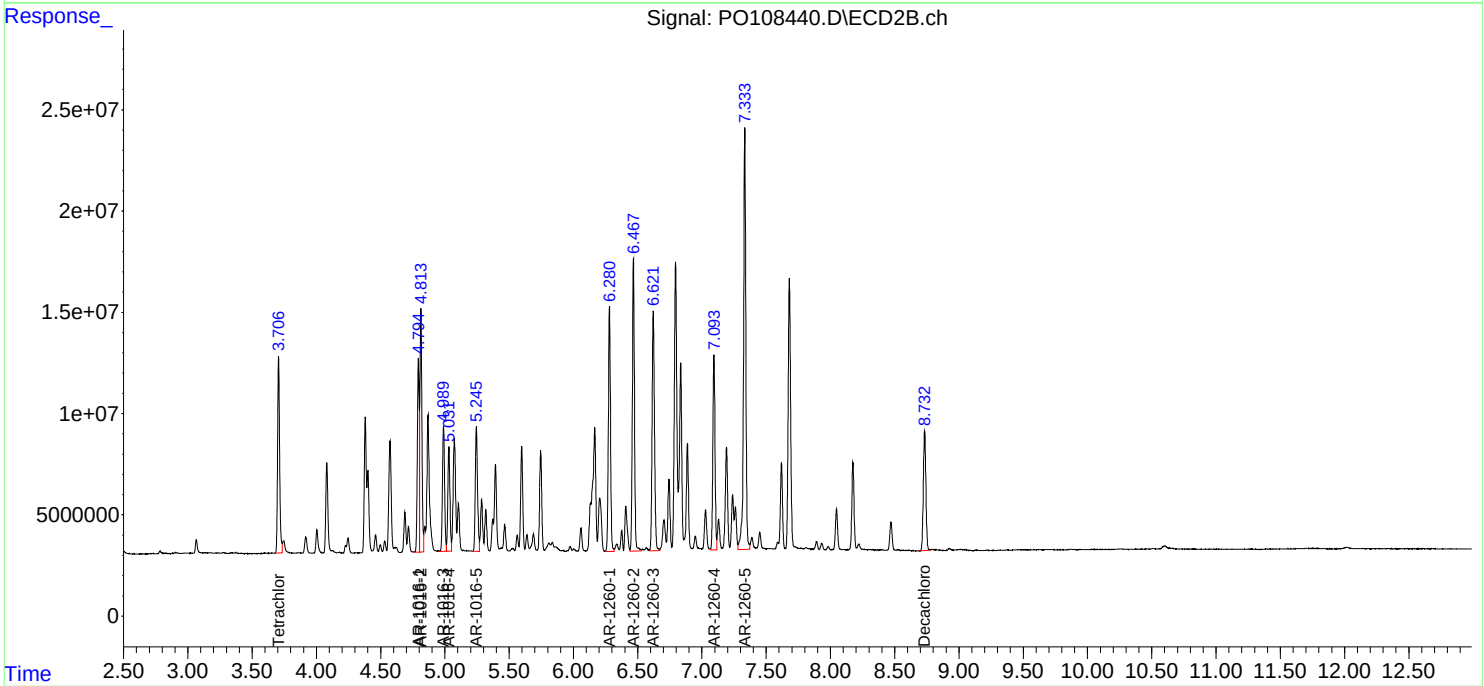
**Instrument :**
ECD_O
**ClientSampleId :**
BP-G-6MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :Ankita Jodhani 12/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:31:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:56
Operator : YP/AJ
Sample : P5216-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
BP-G-6MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/11/2024
Supervised By :Ankita Jodhani 12/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:32:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.709 | 3.706 | 182.2E6 | 105.2E6 | 20.942 | 20.756 |
| 2) SA | Decachlor... | 8.784 | 8.731 | 144.4E6 | 81514834 | 19.769 | 21.037 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 4.807 | 4.794 | 171.3E6 | 94447502 | 555.289 | 588.552 |
| 4) L1 | AR-1016-2 | 4.827 | 4.814 | 231.9E6 | 130.9E6 | 555.573 | 589.418 |
| 5) L1 | AR-1016-3 | 4.882 | 4.990 | 160.7E6 | 71907353 | 549.147 | 571.448 |
| 6) L1 | AR-1016-4 | 5.004 | 5.032 | 126.3E6 | 57642286 | 546.238 | 549.991 |
| 7) L1 | AR-1016-5 | 5.262 | 5.245 | 133.0E6 | 74564602 | 528.445 | 551.468m |
| 31) L7 | AR-1260-1 | 6.306 | 6.281 | 250.5E6 | 138.0E6 | 548.059 | 589.479 |
| 32) L7 | AR-1260-2 | 6.494 | 6.468 | 301.4E6 | 162.4E6 | 542.423 | 578.767 |
| 33) L7 | AR-1260-3 | 6.865 | 6.621 | 215.7E6 | 154.0E6 | 465.297 | 584.439 # |
| 34) L7 | AR-1260-4 | 7.125 | 7.094 | 202.4E6 | 111.6E6 | 475.968 | 524.412 |
| 35) L7 | AR-1260-5 | 7.366 | 7.333 | 453.4E6 | 257.3E6 | 466.488 | 531.631 |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

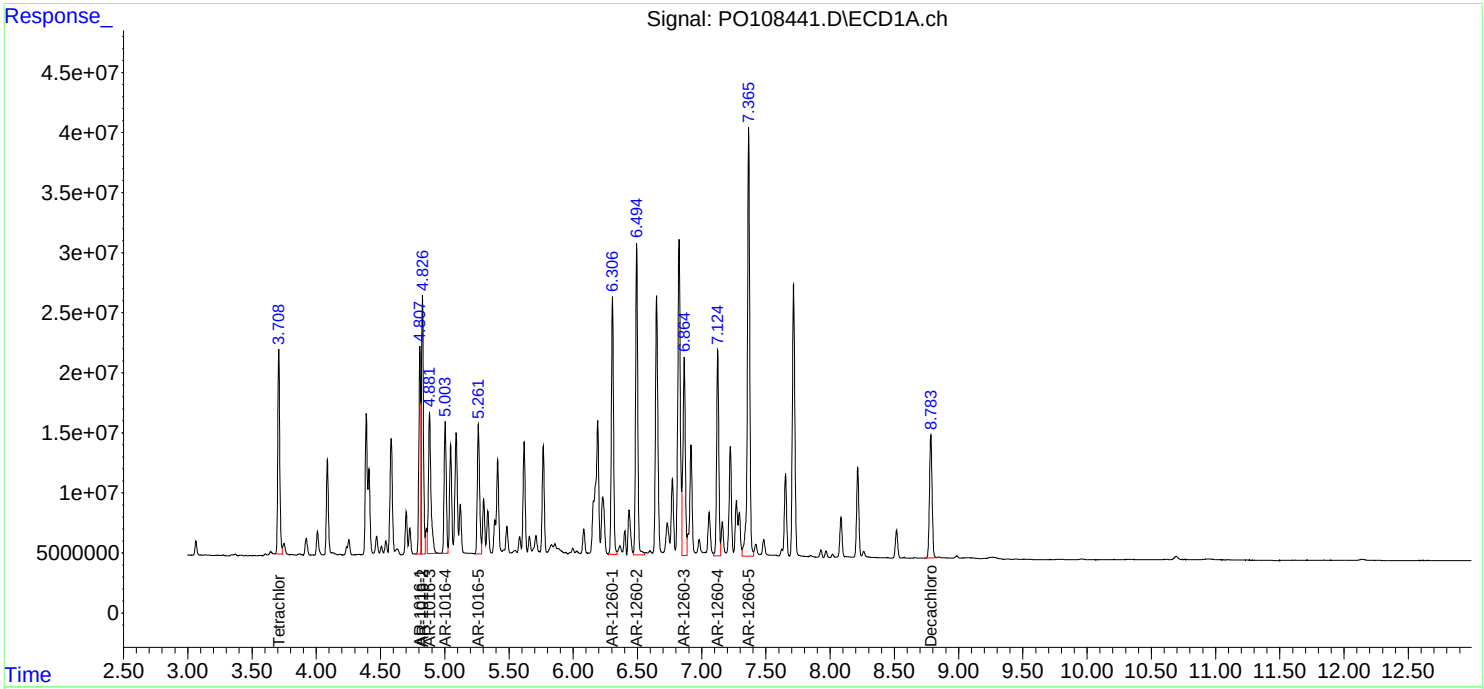
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121024\
Data File : PO108441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:56
Operator : YP/AJ
Sample : P5216-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

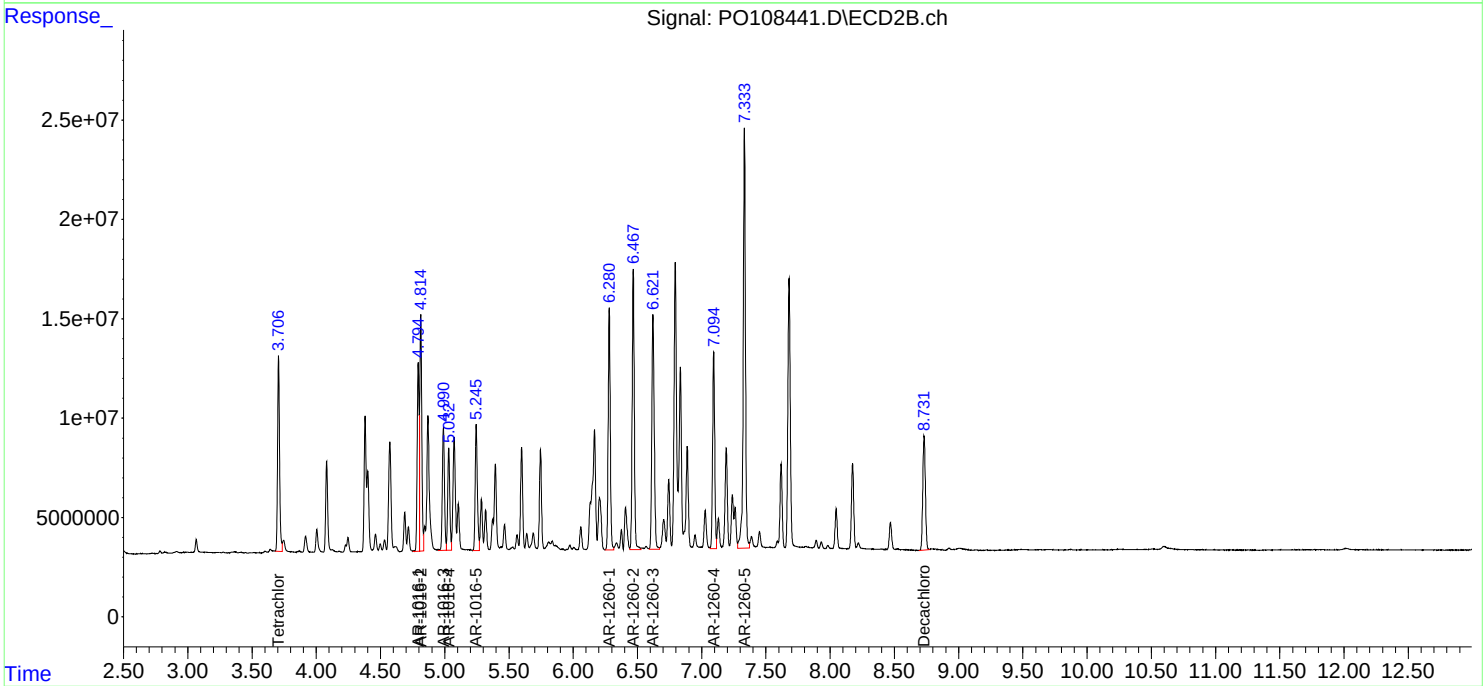
**Instrument :**
ECD_O
**ClientSampleId :**
BP-G-6MSD

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :Ankita Jodhani 12/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:32:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922



# Manual Integration Report

| Sequence: | PO120624 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC050 | PO108366.D | AR-1016-1 #2 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1016-2 #2 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1016-3 #2 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1016-4 #2 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-1 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-1 #2 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-2 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-2 #2 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-3 | yogesh | 12/9/2024 10:59:43 AM | Ankita | 12/9/2024 11:02:57 | Peak Integrated by Software |
| AR1242ICC050 | PO108373.D | AR-1242-5 | yogesh | 12/9/2024 10:59:45 AM | Ankita | 12/9/2024 11:02:58 | Peak Integrated by Software |
| AR1248ICC050 | PO108378.D | AR-1248-3 | yogesh | 12/9/2024 10:59:47 AM | Ankita | 12/9/2024 11:02:59 | Peak Integrated by Software |
| AR1248ICC050 | PO108378.D | AR-1248-4 | yogesh | 12/9/2024 10:59:47 AM | Ankita | 12/9/2024 11:02:59 | Peak Integrated by Software |
| AR1248ICC050 | PO108378.D | AR-1248-5 | yogesh | 12/9/2024 10:59:47 AM | Ankita | 12/9/2024 11:02:59 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO120624 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254ICC050 | PO108383.D | AR-1254-1 | yogesh | 12/9/2024 10:59:49 AM | Ankita | 12/9/2024 11:03:01 | Peak Integrated by Software |
| AR1254ICC050 | PO108383.D | AR-1254-2 | yogesh | 12/9/2024 10:59:49 AM | Ankita | 12/9/2024 11:03:01 | Peak Integrated by Software |
| AR1254ICC050 | PO108383.D | AR-1254-3 | yogesh | 12/9/2024 10:59:49 AM | Ankita | 12/9/2024 11:03:01 | Peak Integrated by Software |
| AR1254ICC050 | PO108383.D | AR-1254-4 | yogesh | 12/9/2024 10:59:49 AM | Ankita | 12/9/2024 11:03:01 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO121024 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| P5216-01MS | PO108440.D | AR-1016-5 #2 | yogesh | 12/11/2024 8:27:23 AM | Ankita | 12/11/2024 9:01:28 | Peak Integrated by Software |
| P5216-01MSD | PO108441.D | AR-1016-5 #2 | yogesh | 12/11/2024 8:27:25 AM | Ankita | 12/11/2024 9:01:30 | Peak Integrated by Software |
| AR1248CCC500 | PO108462.D | AR-1248-4 #2 | yogesh | 12/11/2024 8:27:48 AM | Ankita | 12/11/2024 9:01:38 | Peak Integrated by Software |
| AR1248CCC500 | PO108477.D | AR-1248-4 #2 | yogesh | 12/11/2024 8:28:04 AM | Ankita | 12/11/2024 9:01:47 | Peak Integrated by Software |
| AR1254CCC500 | PO108478.D | AR-1254-1 | yogesh | 12/11/2024 8:28:06 AM | Ankita | 12/11/2024 9:01:49 | Peak Integrated by Software |
| AR1254CCC500 | PO108478.D | AR-1254-2 | yogesh | 12/11/2024 8:28:06 AM | Ankita | 12/11/2024 9:01:49 | Peak Integrated by Software |
| AR1254CCC500 | PO108478.D | AR-1254-5 | yogesh | 12/11/2024 8:28:06 AM | Ankita | 12/11/2024 9:01:49 | Peak Integrated by Software |
| AR1248CCC500 | PO108485.D | AR-1248-4 #2 | yogesh | 12/11/2024 8:28:08 AM | Ankita | 12/11/2024 9:01:50 | Peak Integrated by Software |
| AR1254CCC500 | PO108486.D | AR-1254-1 | yogesh | 12/11/2024 8:28:10 AM | Ankita | 12/11/2024 9:01:52 | Peak Integrated by Software |
| AR1254CCC500 | PO108486.D | AR-1254-2 | yogesh | 12/11/2024 8:28:10 AM | Ankita | 12/11/2024 9:01:52 | Peak Integrated by Software |
| AR1254CCC500 | PO108486.D | AR-1254-5 | yogesh | 12/11/2024 8:28:10 AM | Ankita | 12/11/2024 9:01:52 | Peak Integrated by Software |

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Fax : 908 789 8922



**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/9/2024 11:00:19 AM | | |
| Supervise By | Ankita | Supervise On | 12/9/2024 11:03:08 AM | | |
| SubDirectory | PO120624 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO108360.D | 06 Dec 2024 13:43 | YP/AJ | Ok |
| 2 | I.BLK | PO108361.D | 06 Dec 2024 14:01 | YP/AJ | Ok |
| 3 | AR1660ICC1000 | PO108362.D | 06 Dec 2024 14:19 | YP/AJ | Ok |
| 4 | AR1660ICC750 | PO108363.D | 06 Dec 2024 14:38 | YP/AJ | Ok |
| 5 | AR1660ICC500 | PO108364.D | 06 Dec 2024 14:56 | YP/AJ | Ok |
| 6 | AR1660ICC250 | PO108365.D | 06 Dec 2024 15:14 | YP/AJ | Ok |
| 7 | AR1660ICC050 | PO108366.D | 06 Dec 2024 15:33 | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | PO108367.D | 06 Dec 2024 15:51 | YP/AJ | Ok |
| 9 | AR1232ICC500 | PO108368.D | 06 Dec 2024 16:09 | YP/AJ | Ok |
| 10 | AR1242ICC1000 | PO108369.D | 06 Dec 2024 16:28 | YP/AJ | Ok |
| 11 | AR1242ICC750 | PO108370.D | 06 Dec 2024 16:46 | YP/AJ | Ok |
| 12 | AR1242ICC500 | PO108371.D | 06 Dec 2024 17:04 | YP/AJ | Ok |
| 13 | AR1242ICC250 | PO108372.D | 06 Dec 2024 17:23 | YP/AJ | Ok |
| 14 | AR1242ICC050 | PO108373.D | 06 Dec 2024 17:41 | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | PO108374.D | 06 Dec 2024 17:59 | YP/AJ | Ok |
| 16 | AR1248ICC750 | PO108375.D | 06 Dec 2024 18:18 | YP/AJ | Ok |
| 17 | AR1248ICC500 | PO108376.D | 06 Dec 2024 18:36 | YP/AJ | Ok |
| 18 | AR1248ICC250 | PO108377.D | 06 Dec 2024 18:54 | YP/AJ | Ok |
| 19 | AR1248ICC050 | PO108378.D | 06 Dec 2024 19:13 | YP/AJ | Ok,M |
| 20 | AR1254ICC1000 | PO108379.D | 06 Dec 2024 19:31 | YP/AJ | Ok |
| 21 | AR1254ICC750 | PO108380.D | 06 Dec 2024 19:49 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/9/2024 11:00:19 AM | | |
| Supervise By | Ankita | Supervise On | 12/9/2024 11:03:08 AM | | |
| SubDirectory | PO120624 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PO108381.D | 06 Dec 2024 20:08 | YP/AJ | Ok |
| 23 | AR1254ICC250 | PO108382.D | 06 Dec 2024 20:26 | YP/AJ | Ok |
| 24 | AR1254ICC050 | PO108383.D | 06 Dec 2024 20:44 | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | PO108384.D | 06 Dec 2024 21:03 | YP/AJ | Ok |
| 26 | AR1268ICC1000 | PO108385.D | 06 Dec 2024 21:21 | YP/AJ | Ok |
| 27 | AR1268ICC750 | PO108386.D | 06 Dec 2024 21:39 | YP/AJ | Ok |
| 28 | AR1268ICC500 | PO108387.D | 06 Dec 2024 21:58 | YP/AJ | Ok |
| 29 | AR1268ICC250 | PO108388.D | 06 Dec 2024 22:16 | YP/AJ | Ok |
| 30 | AR1268ICC050 | PO108389.D | 06 Dec 2024 22:34 | YP/AJ | Ok |
| 31 | PO120624ICV500 | PO108390.D | 06 Dec 2024 22:53 | YP/AJ | Ok |
| 32 | AR1242ICV500 | PO108391.D | 06 Dec 2024 23:11 | YP/AJ | Ok |
| 33 | AR1248ICV500 | PO108392.D | 06 Dec 2024 23:29 | YP/AJ | Ok |
| 34 | AR1254ICV500 | PO108393.D | 06 Dec 2024 23:48 | YP/AJ | Ok |
| 35 | AR1268ICV500 | PO108394.D | 07 Dec 2024 00:06 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO121024

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/11/2024 8:28:40 AM | | |
| Supervise By | Ankita | Supervise On | 12/11/2024 9:02:09 AM | | |
| SubDirectory | PO121024 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO108429.D | 10 Dec 2024 09:06 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO108430.D | 10 Dec 2024 09:25 | YP/AJ | Ok |
| 3 | AR1242CCC500 | PO108431.D | 10 Dec 2024 10:01 | YP/AJ | Ok |
| 4 | AR1248CCC500 | PO108432.D | 10 Dec 2024 10:20 | YP/AJ | Ok |
| 5 | AR1254CCC500 | PO108433.D | 10 Dec 2024 10:38 | YP/AJ | Ok |
| 6 | I.BLK | PO108434.D | 10 Dec 2024 10:56 | YP/AJ | Ok |
| 7 | P5144-01DL | PO108435.D | 10 Dec 2024 11:16 | YP/AJ | Ok |
| 8 | PB165518BL | PO108436.D | 10 Dec 2024 12:25 | YP/AJ | Ok |
| 9 | PB165518BS | PO108437.D | 10 Dec 2024 12:43 | YP/AJ | Ok |
| 10 | P5161-02 | PO108438.D | 10 Dec 2024 13:01 | YP/AJ | Ok,M |
| 11 | P5216-01 | PO108439.D | 10 Dec 2024 13:20 | YP/AJ | Ok |
| 12 | P5216-01MS | PO108440.D | 10 Dec 2024 13:38 | YP/AJ | Ok,M |
| 13 | P5216-01MSD | PO108441.D | 10 Dec 2024 13:56 | YP/AJ | Ok,M |
| 14 | P5216-05 | PO108442.D | 10 Dec 2024 14:15 | YP/AJ | Ok |
| 15 | P5216-09 | PO108443.D | 10 Dec 2024 14:33 | YP/AJ | Ok |
| 16 | P5216-13 | PO108444.D | 10 Dec 2024 14:52 | YP/AJ | Ok |
| 17 | AR1660CCC500 | PO108445.D | 10 Dec 2024 15:52 | YP/AJ | Ok |
| 18 | AR1242CCC500 | PO108446.D | 10 Dec 2024 16:11 | YP/AJ | Ok |
| 19 | AR1248CCC500 | PO108447.D | 10 Dec 2024 16:29 | YP/AJ | Ok |
| 20 | AR1254CCC500 | PO108448.D | 10 Dec 2024 16:48 | YP/AJ | Ok |
| 21 | I.BLK | PO108449.D | 10 Dec 2024 17:06 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO121024

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/11/2024 8:28:40 AM | | |
| Supervise By | Ankita | Supervise On | 12/11/2024 9:02:09 AM | | |
| SubDirectory | PO121024 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | P5219-03 | PO108450.D | 10 Dec 2024 17:24 | YP/AJ | ReRun |
| 23 | P5217-01 | PO108451.D | 10 Dec 2024 17:43 | YP/AJ | Ok |
| 24 | P5219-01 | PO108452.D | 10 Dec 2024 18:01 | YP/AJ | Ok |
| 25 | P5219-02 | PO108453.D | 10 Dec 2024 18:19 | YP/AJ | Ok |
| 26 | P5219-04 | PO108454.D | 10 Dec 2024 18:38 | YP/AJ | Ok |
| 27 | P5220-01 | PO108455.D | 10 Dec 2024 18:56 | YP/AJ | Ok,M |
| 28 | P5223-01 | PO108456.D | 10 Dec 2024 19:14 | YP/AJ | Ok,M |
| 29 | PB165512BL | PO108457.D | 10 Dec 2024 19:33 | YP/AJ | Ok |
| 30 | PB165512BS | PO108458.D | 10 Dec 2024 19:51 | YP/AJ | Ok,M |
| 31 | PB165512BSD | PO108459.D | 10 Dec 2024 20:09 | YP/AJ | Ok |
| 32 | AR1660CCC500 | PO108460.D | 10 Dec 2024 21:10 | YP/AJ | Ok |
| 33 | AR1242CCC500 | PO108461.D | 10 Dec 2024 21:29 | YP/AJ | Ok |
| 34 | AR1248CCC500 | PO108462.D | 10 Dec 2024 21:47 | YP/AJ | Ok,M |
| 35 | AR1254CCC500 | PO108463.D | 10 Dec 2024 22:06 | YP/AJ | Ok |
| 36 | I.BLK | PO108464.D | 10 Dec 2024 22:24 | YP/AJ | Ok |
| 37 | P5161-01 | PO108465.D | 10 Dec 2024 22:42 | YP/AJ | Ok,M |
| 38 | P5160-01 | PO108466.D | 10 Dec 2024 23:01 | YP/AJ | Ok,M |
| 39 | P5170-01 | PO108467.D | 10 Dec 2024 23:19 | YP/AJ | Ok,M |
| 40 | P5218-01 | PO108468.D | 10 Dec 2024 23:37 | YP/AJ | Ok |
| 41 | P5220-02 | PO108469.D | 10 Dec 2024 23:56 | YP/AJ | Ok |
| 42 | P5220-03 | PO108470.D | 11 Dec 2024 00:14 | YP/AJ | Ok |
| 43 | P5221-01 | PO108471.D | 11 Dec 2024 00:32 | YP/AJ | Ok,M |
| 44 | P5222-02 | PO108472.D | 11 Dec 2024 00:51 | YP/AJ | Ok,M |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO121024

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/11/2024 8:28:40 AM | | |
| Supervise By | Ankita | Supervise On | 12/11/2024 9:02:09 AM | | |
| SubDirectory | PO121024 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | P5224-01 | PO108473.D | 11 Dec 2024 01:09 | YP/AJ | Ok |
| 46 | PB165521BL | PO108474.D | 11 Dec 2024 01:28 | YP/AJ | Ok |
| 47 | AR1660CCC500 | PO108475.D | 11 Dec 2024 02:27 | YP/AJ | Ok |
| 48 | AR1242CCC500 | PO108476.D | 11 Dec 2024 02:46 | YP/AJ | Ok |
| 49 | AR1248CCC500 | PO108477.D | 11 Dec 2024 03:04 | YP/AJ | Ok,M |
| 50 | AR1254CCC500 | PO108478.D | 11 Dec 2024 03:22 | YP/AJ | Ok,M |
| 51 | I.BLK | PO108479.D | 11 Dec 2024 03:41 | YP/AJ | Ok |
| 52 | PB165521BS | PO108480.D | 11 Dec 2024 03:59 | YP/AJ | Ok |
| 53 | P5221-02 | PO108481.D | 11 Dec 2024 04:18 | YP/AJ | Not Ok |
| 54 | P5222-01 | PO108482.D | 11 Dec 2024 04:36 | YP/AJ | Ok |
| 55 | AR1660CCC500 | PO108483.D | 11 Dec 2024 05:37 | YP/AJ | Ok |
| 56 | AR1242CCC500 | PO108484.D | 11 Dec 2024 05:55 | YP/AJ | Ok |
| 57 | AR1248CCC500 | PO108485.D | 11 Dec 2024 06:14 | YP/AJ | Ok,M |
| 58 | AR1254CCC500 | PO108486.D | 11 Dec 2024 06:32 | YP/AJ | Ok,M |
| 59 | I.BLK | PO108487.D | 11 Dec 2024 06:50 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/9/2024 11:00:19 AM | | |
| Supervise By | Ankita | Supervise On | 12/9/2024 11:03:08 AM | | |
| SubDirectory | PO120624 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO108360.D | 06 Dec 2024 13:43 | | YP/AJ | Ok |
| 2 | I.BLK | I.BLK | PO108361.D | 06 Dec 2024 14:01 | | YP/AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PO108362.D | 06 Dec 2024 14:19 | | YP/AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PO108363.D | 06 Dec 2024 14:38 | | YP/AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PO108364.D | 06 Dec 2024 14:56 | | YP/AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PO108365.D | 06 Dec 2024 15:14 | | YP/AJ | Ok |
| 7 | AR1660ICC050 | AR1660ICC050 | PO108366.D | 06 Dec 2024 15:33 | | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PO108367.D | 06 Dec 2024 15:51 | | YP/AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PO108368.D | 06 Dec 2024 16:09 | | YP/AJ | Ok |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PO108369.D | 06 Dec 2024 16:28 | | YP/AJ | Ok |
| 11 | AR1242ICC750 | AR1242ICC750 | PO108370.D | 06 Dec 2024 16:46 | | YP/AJ | Ok |
| 12 | AR1242ICC500 | AR1242ICC500 | PO108371.D | 06 Dec 2024 17:04 | | YP/AJ | Ok |
| 13 | AR1242ICC250 | AR1242ICC250 | PO108372.D | 06 Dec 2024 17:23 | | YP/AJ | Ok |
| 14 | AR1242ICC050 | AR1242ICC050 | PO108373.D | 06 Dec 2024 17:41 | | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PO108374.D | 06 Dec 2024 17:59 | | YP/AJ | Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PO108375.D | 06 Dec 2024 18:18 | | YP/AJ | Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PO108376.D | 06 Dec 2024 18:36 | | YP/AJ | Ok |
| 18 | AR1248ICC250 | AR1248ICC250 | PO108377.D | 06 Dec 2024 18:54 | | YP/AJ | Ok |

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Fax : 908 789 8922



**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/9/2024 11:00:19 AM | | |
| Supervise By | Ankita | Supervise On | 12/9/2024 11:03:08 AM | | |
| SubDirectory | PO120624 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PO108378.D | 06 Dec 2024 19:13 | | YP/AJ | Ok,M |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PO108379.D | 06 Dec 2024 19:31 | | YP/AJ | Ok |
| 21 | AR1254ICC750 | AR1254ICC750 | PO108380.D | 06 Dec 2024 19:49 | | YP/AJ | Ok |
| 22 | AR1254ICC500 | AR1254ICC500 | PO108381.D | 06 Dec 2024 20:08 | | YP/AJ | Ok |
| 23 | AR1254ICC250 | AR1254ICC250 | PO108382.D | 06 Dec 2024 20:26 | | YP/AJ | Ok |
| 24 | AR1254ICC050 | AR1254ICC050 | PO108383.D | 06 Dec 2024 20:44 | | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | AR1262ICC500 | PO108384.D | 06 Dec 2024 21:03 | | YP/AJ | Ok |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PO108385.D | 06 Dec 2024 21:21 | | YP/AJ | Ok |
| 27 | AR1268ICC750 | AR1268ICC750 | PO108386.D | 06 Dec 2024 21:39 | | YP/AJ | Ok |
| 28 | AR1268ICC500 | AR1268ICC500 | PO108387.D | 06 Dec 2024 21:58 | | YP/AJ | Ok |
| 29 | AR1268ICC250 | AR1268ICC250 | PO108388.D | 06 Dec 2024 22:16 | | YP/AJ | Ok |
| 30 | AR1268ICC050 | AR1268ICC050 | PO108389.D | 06 Dec 2024 22:34 | | YP/AJ | Ok |
| 31 | PO120624ICV500 | ICVPO120624 | PO108390.D | 06 Dec 2024 22:53 | | YP/AJ | Ok |
| 32 | AR1242ICV500 | ICVPO120624AR1242 | PO108391.D | 06 Dec 2024 23:11 | | YP/AJ | Ok |
| 33 | AR1248ICV500 | ICVPO120624AR1248 | PO108392.D | 06 Dec 2024 23:29 | | YP/AJ | Ok |
| 34 | AR1254ICV500 | ICVPO120624AR1254 | PO108393.D | 06 Dec 2024 23:48 | | YP/AJ | Ok |
| 35 | AR1268ICV500 | ICVPO120624AR1268 | PO108394.D | 07 Dec 2024 00:06 | | YP/AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922



**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO121024

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/11/2024 8:28:40 AM | | |
| Supervise By | Ankita | Supervise On | 12/11/2024 9:02:09 AM | | |
| SubDirectory | PO121024 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO108429.D | 10 Dec 2024 09:06 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO108430.D | 10 Dec 2024 09:25 | | YP/AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PO108431.D | 10 Dec 2024 10:01 | | YP/AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PO108432.D | 10 Dec 2024 10:20 | | YP/AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PO108433.D | 10 Dec 2024 10:38 | | YP/AJ | Ok |
| 6 | I.BLK | I.BLK | PO108434.D | 10 Dec 2024 10:56 | | YP/AJ | Ok |
| 7 | P5144-01DL | 60400DL | PO108435.D | 10 Dec 2024 11:16 | AR1242 Hit | YP/AJ | Ok |
| 8 | PB165518BL | PB165518BL | PO108436.D | 10 Dec 2024 12:25 | | YP/AJ | Ok |
| 9 | PB165518BS | PB165518BS | PO108437.D | 10 Dec 2024 12:43 | | YP/AJ | Ok |
| 10 | P5161-02 | 125 | PO108438.D | 10 Dec 2024 13:01 | | YP/AJ | Ok,M |
| 11 | P5216-01 | BP-G-6 | PO108439.D | 10 Dec 2024 13:20 | | YP/AJ | Ok |
| 12 | P5216-01MS | BP-G-6MS | PO108440.D | 10 Dec 2024 13:38 | | YP/AJ | Ok,M |
| 13 | P5216-01MSD | BP-G-6MSD | PO108441.D | 10 Dec 2024 13:56 | | YP/AJ | Ok,M |
| 14 | P5216-05 | MH-743 | PO108442.D | 10 Dec 2024 14:15 | | YP/AJ | Ok |
| 15 | P5216-09 | MH-744 | PO108443.D | 10 Dec 2024 14:33 | | YP/AJ | Ok |
| 16 | P5216-13 | TP-12 | PO108444.D | 10 Dec 2024 14:52 | | YP/AJ | Ok |
| 17 | AR1660CCC500 | AR1660CCC500 | PO108445.D | 10 Dec 2024 15:52 | | YP/AJ | Ok |
| 18 | AR1242CCC500 | AR1242CCC500 | PO108446.D | 10 Dec 2024 16:11 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO121024

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/11/2024 8:28:40 AM | | |
| Supervise By | Ankita | Supervise On | 12/11/2024 9:02:09 AM | | |
| SubDirectory | PO121024 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248CCC500 | AR1248CCC500 | PO108447.D | 10 Dec 2024 16:29 | | YP/AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PO108448.D | 10 Dec 2024 16:48 | | YP/AJ | Ok |
| 21 | I.BLK | I.BLK | PO108449.D | 10 Dec 2024 17:06 | | YP/AJ | Ok |
| 22 | P5219-03 | MR-CAM-012 | PO108450.D | 10 Dec 2024 17:24 | TCMX high in both column | YP/AJ | ReRun |
| 23 | P5217-01 | MIXED-DEMO | PO108451.D | 10 Dec 2024 17:43 | | YP/AJ | Ok |
| 24 | P5219-01 | MR-CAM-09-MR-CAM- | PO108452.D | 10 Dec 2024 18:01 | | YP/AJ | Ok |
| 25 | P5219-02 | MR-CAM-011 | PO108453.D | 10 Dec 2024 18:19 | | YP/AJ | Ok |
| 26 | P5219-04 | MR-CAM-013 | PO108454.D | 10 Dec 2024 18:38 | | YP/AJ | Ok |
| 27 | P5220-01 | GAS-AUD-1562 | PO108455.D | 10 Dec 2024 18:56 | AR1254 Hit | YP/AJ | Ok,M |
| 28 | P5223-01 | TR-05-120924 | PO108456.D | 10 Dec 2024 19:14 | | YP/AJ | Ok,M |
| 29 | PB165512BL | PB165512BL | PO108457.D | 10 Dec 2024 19:33 | | YP/AJ | Ok |
| 30 | PB165512BS | PB165512BS | PO108458.D | 10 Dec 2024 19:51 | | YP/AJ | Ok,M |
| 31 | PB165512BSD | PB165512BSD | PO108459.D | 10 Dec 2024 20:09 | | YP/AJ | Ok |
| 32 | AR1660CCC500 | AR1660CCC500 | PO108460.D | 10 Dec 2024 21:10 | | YP/AJ | Ok |
| 33 | AR1242CCC500 | AR1242CCC500 | PO108461.D | 10 Dec 2024 21:29 | | YP/AJ | Ok |
| 34 | AR1248CCC500 | AR1248CCC500 | PO108462.D | 10 Dec 2024 21:47 | | YP/AJ | Ok,M |
| 35 | AR1254CCC500 | AR1254CCC500 | PO108463.D | 10 Dec 2024 22:06 | | YP/AJ | Ok |
| 36 | I.BLK | I.BLK | PO108464.D | 10 Dec 2024 22:24 | | YP/AJ | Ok |
| 37 | P5161-01 | 125 | PO108465.D | 10 Dec 2024 22:42 | DCB high in one column | YP/AJ | Ok,M |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO121024

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/11/2024 8:28:40 AM | | |
| Supervise By | Ankita | Supervise On | 12/11/2024 9:02:09 AM | | |
| SubDirectory | PO121024 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | P5160-01 | 112524 | PO108466.D | 10 Dec 2024 23:01 | | YP/AJ | Ok,M |
| 39 | P5170-01 | 120324-A-B | PO108467.D | 10 Dec 2024 23:19 | | YP/AJ | Ok,M |
| 40 | P5218-01 | 50385 | PO108468.D | 10 Dec 2024 23:37 | AR1242 Hit 4 peak reported. | YP/AJ | Ok |
| 41 | P5220-02 | GAS-AUD-1607-GAS-A | PO108469.D | 10 Dec 2024 23:56 | | YP/AJ | Ok |
| 42 | P5220-03 | GAS-AUD-1610-1611-1 | PO108470.D | 11 Dec 2024 00:14 | | YP/AJ | Ok |
| 43 | P5221-01 | BUR-1325 | PO108471.D | 11 Dec 2024 00:32 | | YP/AJ | Ok,M |
| 44 | P5222-02 | GAS-TRE-1111 | PO108472.D | 11 Dec 2024 00:51 | | YP/AJ | Ok,M |
| 45 | P5224-01 | NP-WS-001 | PO108473.D | 11 Dec 2024 01:09 | | YP/AJ | Ok |
| 46 | PB165521BL | PB165521BL | PO108474.D | 11 Dec 2024 01:28 | | YP/AJ | Ok |
| 47 | AR1660CCC500 | AR1660CCC500 | PO108475.D | 11 Dec 2024 02:27 | | YP/AJ | Ok |
| 48 | AR1242CCC500 | AR1242CCC500 | PO108476.D | 11 Dec 2024 02:46 | | YP/AJ | Ok |
| 49 | AR1248CCC500 | AR1248CCC500 | PO108477.D | 11 Dec 2024 03:04 | | YP/AJ | Ok,M |
| 50 | AR1254CCC500 | AR1254CCC500 | PO108478.D | 11 Dec 2024 03:22 | | YP/AJ | Ok,M |
| 51 | I.BLK | I.BLK | PO108479.D | 11 Dec 2024 03:41 | | YP/AJ | Ok |
| 52 | PB165521BS | PB165521BS | PO108480.D | 11 Dec 2024 03:59 | | YP/AJ | Ok |
| 53 | P5221-02 | GAS-BUR-1326 | PO108481.D | 11 Dec 2024 04:18 | Need Cleanup | YP/AJ | Not Ok |
| 54 | P5222-01 | TRE-1113 | PO108482.D | 11 Dec 2024 04:36 | | YP/AJ | Ok |
| 55 | AR1660CCC500 | AR1660CCC500 | PO108483.D | 11 Dec 2024 05:37 | | YP/AJ | Ok |
| 56 | AR1242CCC500 | AR1242CCC500 | PO108484.D | 11 Dec 2024 05:55 | | YP/AJ | Ok |

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Fax : 908 789 8922



**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO121024

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/11/2024 8:28:40 AM | | |
| Supervise By | Ankita | Supervise On | 12/11/2024 9:02:09 AM | | |
| SubDirectory | PO121024 | HP Acquire Method | | HP Processing Method | PO120624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | AR1248CCC500 | AR1248CCC500 | PO108485.D | 11 Dec 2024 06:14 | | YP/AJ | Ok,M |
| 58 | AR1254CCC500 | AR1254CCC500 | PO108486.D | 11 Dec 2024 06:32 | | YP/AJ | Ok,M |
| 59 | I.BLK | I.BLK | PO108487.D | 11 Dec 2024 06:50 | | YP/AJ | Ok |

M : Manual Integration

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB165518

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | Acid Cleanup | | | **Extraction Start Date :** | 12/10/2024 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:15 |
| **Weigh By:** | RJ | **Extraction By:** | RJ | **Extraction End Date :** | 12/10/2024 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 11:15 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | rajesh |

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 5000 PPB | PP23913 |
| Surrogate | 1.0ML | 200 PPB | PP23985 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Hexane | N/A | E3826 |
| Baked Na2SO4 | N/A | EP2570 |
| H2SO4 1:1 | N/A | EP2565 |
| Sand | N/A | E2865 |
| Hexane/Acetone/1:1 | N/A | EP2561 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

40 ML Vial lot# 03-40BTS721. P 5161-02,P52196-04 Limited volume used as samples are Oil & Small particles.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 12/10/24 | RP (Ext. Lab) | ATL TEST PCA Lab |
| 11:20 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB165518**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 12/10/2024

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB165518BL | ABLK518 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | | | U7-1 |
| PB165518BS | ALCS518 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | | | 2 |
| P5161-02 | 125 | PCB | 1.07 | N/A | ritesh | Evelyn | 10 | | Oil | |
| P5216-01 | BP-G-6 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| P5216-01MS | BP-G-6MS | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| P5216-01MSD | BP-G-6MSD | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| P5216-05 | MH-743 | PCB | 30.08 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| P5216-09 | MH-744 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | | U6-1 |
| P5216-13 | TP-12 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| P5217-01 | MIXED-DEMO | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | | | 3 |
| P5219-01 | MR-CAM-09-MR-CAM-010 | PCB | 30.06 | N/A | ritesh | Evelyn | 10 | B | Stone | 4 |
| P5219-02 | MR-CAM-011 | PCB | 30.07 | N/A | ritesh | Evelyn | 10 | B | Stone | 5 |
| P5219-03 | MR-CAM-012 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | B | | 6 |
| P5219-04 | MR-CAM-013 | PCB | 10.04 | N/A | ritesh | Evelyn | 10 | B | Small Granules | U5-1 |
| P5220-01 | GAS-AUD-1562 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | B | Small Particle | 2 |
| P5223-01 | TR-05-120924 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 3 |

* **Extracts relinguished on the same date as received.**

12/10/24

P5217

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** P5161 **WorkList ID :** 186159 **Department :** Extraction **Date :** 12-10-2024 08:09:33

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5161-02 | 125 | Solid | PCB | Cool 4 deg C | PSEG03 | L51 | 12/06/2024 | 8082A |
| P5216-01 | BP-G-6 | Solid | PCB | Cool 4 deg C | PSEG03 | L41 | 12/07/2024 | 8082A |
| P5216-05 | MH-743 | Solid | PCB | Cool 4 deg C | PSEG03 | L41 | 12/07/2024 | 8082A |
| P5216-09 | MH-744 | Solid | PCB | Cool 4 deg C | PSEG03 | L41 | 12/07/2024 | 8082A |
| P5216-13 | TP-12 | Solid | PCB | Cool 4 deg C | PSEG03 | L41 | 12/07/2024 | 8082A |
| P5217-01 | MIXED-DEMO | Solid | PCB | Cool 4 deg C | EART12 | M11 | 12/09/2024 | 8082A |
| P5219-01 | MR-CAM-09-MR-CAM-010 | Solid | PCB | Cool 4 deg C | PSEG03 | L51 | 12/09/2024 | 8082A |
| P5219-02 | MR-CAM-011 | Solid | PCB | Cool 4 deg C | PSEG03 | L51 | 12/09/2024 | 8082A |
| P5219-03 | MR-CAM-012 | Solid | PCB | Cool 4 deg C | PSEG03 | L51 | 12/09/2024 | 8082A |
| P5219-04 | MR-CAM-013 | Solid | PCB | Cool 4 deg C | PSEG03 | L51 | 12/09/2024 | 8082A |
| P5220-01 | GAS-AUD-1562 | Solid | PCB | Cool 4 deg C | PSEG03 | L41 | 12/09/2024 | 8082A |
| P5221-02 | GAS-BUR-1326 | Solid | PCB | Cool 4 deg C | PSEG03 | L51 | 12/09/2024 | 8082A |
| P5222-01 | TRE-1113 | Solid | PCB | Cool 4 deg C | PSEG03 | L51 | 12/09/2024 | 8082A |
| P5223-01 | TR-05-120924 | Solid | PCB | Cool 4 deg C | PSEG05 | L51 | 12/09/2024 | 8082A |

86 of 126

**Date/Time** 12/10/24 8:12

**Raw Sample Received by:** RJ (Ext lab)

**Raw Sample Relinquished by:**



**Date/Time** 12/10/24 8:45

**Raw Sample Received by:**

**Raw Sample Relinquished by:** RJ (Ext lab)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922



# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P5217 | **OrderDate:** | 12/9/2024 12:39:00 PM |
| **Client:** | EarthEfficient LLC | **Project:** | 45-40 Vernon Blvd LIC |
| **Contact:** | Environmental Team | **Location:** | M11 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P5217-01** | **MIXED-DEMO** | **SOIL** | | | **12/09/24** | | | **12/09/24** |
| | | | PCB | 8082A | | 12/10/24 | 12/10/24 | |

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# Hit Summary Sheet
**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | P5217 | **Order ID:** | P5217 |
| **Client:** | EarthEfficient LLC | **Project ID:** | 45-40 Vernon Blvd LIC |

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : MIXED-DEMO** | | | | | | | | |
| P5217-01 | MIXED-DEMO | SOIL | Lead | 4.75 | | 0.14 | 0.54 | mg/Kg |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | EarthEfficient LLC | Date Collected: | 12/09/24 |
| Project: | 45-40 Vernon Blvd LIC | Date Received: | 12/09/24 |
| Client Sample ID: | MIXED-DEMO | SDG No.: | P5217 |
| Lab Sample ID: | P5217-01 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 99.6 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4.75 | | 1 | 0.14 | 0.54 | mg/Kg | 12/10/24 11:05 | 12/11/24 15:16 | SW6010 | SW3050 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | |
| Comments: | Metals Group3 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 12:39 | LB133897 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 13:06 | LB133897 |
| **CCB02** | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 13:59 | LB133897 |
| **CCB03** | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 14:17 | LB133897 |
| **CCB04** | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 15:12 | LB133897 |
| **CCB05** | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 16:05 | LB133897 |
| **CCB06** | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 16:26 | LB133897 |
| **CCB07** | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 12/11/2024 | 16:43 | LB133897 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Instrument:** P4

| Sample ID | Analyte | Result (mg/Kg) | Acceptance Limit | Conc Qual | CRQL mg/Kg | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB165528BL** | | **SOLID** | | **Batch Number:** | **PB165528** | | **Prep Date:** | **12/10/2024** | |
| | Lead | 0.51 | <0.51 | U | 0.51 | P | 12/11/2024 | 14:43 | LB133897 |

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICV01 | Lead | 1000 | 1000 | 100 | 90 - 110 | P | 12/11/2024 | 11:52 | LB133897 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| LLICV01 | Lead | 10.3 | 12.0 | 86 | 80 - 120 | P | 12/11/2024 | 12:00 | LB133897 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV01 | Lead | 4980 | 5000 | 100 | 90 - 110 | P | 12/11/2024 | 12:57 | LB133897 |
| CCV02 | Lead | 5220 | 5000 | 104 | 90 - 110 | P | 12/11/2024 | 13:54 | LB133897 |
| CCV03 | Lead | 5070 | 5000 | 101 | 90 - 110 | P | 12/11/2024 | 14:12 | LB133897 |
| CCV04 | Lead | 4930 | 5000 | 98 | 90 - 110 | P | 12/11/2024 | 15:07 | LB133897 |
| CCV05 | Lead | 4960 | 5000 | 99 | 90 - 110 | P | 12/11/2024 | 15:59 | LB133897 |
| CCV06 | Lead | 5130 | 5000 | 103 | 90 - 110 | P | 12/11/2024 | 16:22 | LB133897 |
| CCV07 | Lead | 4940 | 5000 | 99 | 90 - 110 | P | 12/11/2024 | 16:39 | LB133897 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Initial Calibration Source:**

**Continuing Calibration Source:**

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CRI01 | Lead | 10.9 | 12.0 | 91 | 40 - 160 | P | 12/11/2024 | 12:44 | LB133897 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICSA01** | Lead | 6.35 | | | -12 | 12 | 12/11/2024 | 12:48 | LB133897 |
| **ICSAB01** | Lead | 56.2 | 49.0 | 115 | 37 | 61 | 12/11/2024 | 12:52 | LB133897 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** EarthEfficient LLC **level:** low **sdg no.:** P5217

**contract:** EART12 **lab code:** CHEM **case no.:** P5217 **sas no.:** P5217

**matrix:** Solid **sample id:** P5217-01 **client id:** MIXED-DEMOMS

**Percent Solids for Sample:** 99.6 **Spiked ID:** P5217-01MS **Percent Solids for Spike Sample:** 99.6

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/Kg | 75 - 125 | 46.1 | | 4.75 | | 45.4 | 91 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** EarthEfficient LLC **level:** low **sdg no.:** P5217

**contract:** EART12 **lab code:** CHEM **case no.:** P5217 **sas no.:** P5217

**matrix:** Solid **sample id:** P5217-01 **client id:** MIXED-DEMOMSD

**Percent Solids for Sample:** 99.6 **Spiked ID:** P5217-01MSD **Percent Solids for Spike Sample:** 99.6

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/Kg | 75 - 125 | 46.8 | | 4.75 | | 46.5 | 90 | | P |

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# Metals
## - 5b -

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Matrix:** **Level:** LOW **Client ID:**

**Sample ID:** **Spiked ID:**

| Analyte | Units | Acceptance Limit %R | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** EarthEfficient LLC **Level:** LOW **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Matrix:** Solid **Sample ID:** P5217-01 **Client ID:** MIXED-DEMODUP

**Percent Solids for Sample:** 99.6 **Duplicate ID** P5217-01DUP **Percent Solids for Spike Sample:** 99.6

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/Kg | 20 | 4.75 | | 5.13 | | 8 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** EarthEfficient LLC **Level:** LOW **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Matrix:** Solid **Sample ID:** P5217-01MS **Client ID:** MIXED-DEMOMSD

**Percent Solids for Sample:** 99.6 **Duplicate ID** P5217-01MSD **Percent Solids for Spike Sample:** 99.6

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/Kg | 20 | 46.1 | | 46.8 | | 2 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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## Metals



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB165528BS | | | | | | | |
| Lead | mg/Kg | 42.6 | 41.7 | | 98 | 80 - 120 | P |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

MIXED-DEMOL

**Lab Name:** Chemtech Consulting Group **Contract:** EART12

**Lab Code:** CHEM **Lb No.:** lb133897 **Lab Sample ID :** P5217-01L **SDG No.:** P5217

**Matrix (soil/water):** Solid **Level (low/med):** LOW

**Concentration Units:** mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Lead | 4.75 | | 5.00 | | 5 | | P |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** EarthEfficient LLC **Contract:** EART12

**Lab code:** CHEM **Case no.:** P5217 **Sas no.:** P5217 **Sdg no.:** P5217

**Instrument id number:** **Method:** **Run number:** LB133897

**Start date:** 12/11/2024 **End date:** 12/11/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1127 | Pb |
| S1 | S1 | 1 | 1131 | Pb |
| S2 | S2 | 1 | 1135 | Pb |
| S3 | S3 | 1 | 1139 | Pb |
| S4 | S4 | 1 | 1144 | Pb |
| S5 | S5 | 1 | 1148 | Pb |
| ICV01 | ICV01 | 1 | 1152 | Pb |
| LLICV01 | LLICV01 | 1 | 1200 | Pb |
| ICB01 | ICB01 | 1 | 1239 | Pb |
| CRI01 | CRI01 | 1 | 1244 | Pb |
| ICSA01 | ICSA01 | 1 | 1248 | Pb |
| ICSAB01 | ICSAB01 | 1 | 1252 | Pb |
| CCV01 | CCV01 | 1 | 1257 | Pb |
| CCB01 | CCB01 | 1 | 1306 | Pb |
| CCV02 | CCV02 | 1 | 1354 | Pb |
| CCB02 | CCB02 | 1 | 1359 | Pb |
| CCV03 | CCV03 | 1 | 1412 | Pb |
| CCB03 | CCB03 | 1 | 1417 | Pb |
| PB165528BL | PB165528BL | 1 | 1443 | Pb |
| PB165528BS | PB165528BS | 1 | 1447 | Pb |
| CCV04 | CCV04 | 1 | 1507 | Pb |
| CCB04 | CCB04 | 1 | 1512 | Pb |
| P5217-01 | MIXED-DEMO | 1 | 1516 | Pb |
| P5217-01DUP | MIXED-DEMODUP | 1 | 1520 | Pb |
| P5217-01L | MIXED-DEMOL | 5 | 1525 | Pb |
| P5217-01MS | MIXED-DEMOMS | 1 | 1529 | Pb |
| P5217-01MSD | MIXED-DEMOMSD | 1 | 1534 | Pb |
| CCV05 | CCV05 | 1 | 1559 | Pb |
| CCB05 | CCB05 | 1 | 1605 | Pb |
| CCV06 | CCV06 | 1 | 1622 | Pb |
| CCB06 | CCB06 | 1 | 1626 | Pb |
| CCV07 | CCV07 | 1 | 1639 | Pb |
| CCB07 | CCB07 | 1 | 1643 | Pb |

# METAL PREPARATION & INSTRUMENT DATA

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Al | Ca | Fe | Mg | Ag |
|---|---|---|---|---|---|---|
| Lead | 220.353 | -0.0000920 | 0.0000000 | 0.0000380 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: As | Ba | Be | Cd | Co |
|---|---|---|---|---|---|---|
| Lead | 220.353 | 0.0000000 | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Cr | Cu | K | Mn | Mo |
|---|---|---|---|---|---|---|
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001400 | -0.0008600 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Na | Ni | Pb | Sb | Se |
|---|---|---|---|---|---|---|
| Lead | 220.353 | 0.0000000 | 0.0006580 | 0.0000000 | 0.0000000 | 0.0001290 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Sn | Ti | Tl | V | Zn |
|---|---|---|---|---|---|---|
| Lead | 220.353 | 0.0000000 | -0.0003610 | 0.0000000 | 0.0000000 | 0.0000000 |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P5217 | **OrderDate:** | 12/9/2024 12:39:00 PM |
| **Client:** | EarthEfficient LLC | **Project:** | 45-40 Vernon Blvd LIC |
| **Contact:** | Environmental Team | **Location:** | M11 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P5217-01** | **MIXED-DEMO** | **SOIL** | | | **12/09/24** | | | **12/09/24** |
| | | | Metals Group3 | 6010D | | 12/10/24 | 12/11/24 | |

# METAL PREPARATION & ANALYICAL SUMMARY

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** EarthEfficient LLC **SDG No.:** P5217

**Contract:** EART12 **Lab Code:** CHEM **Method:**

**Case No.:** P5217 **SAS No.:** P5217

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB165528** | | | | | | |
| P5217-01 | MIXED-DEMO | SAM | SOLID | 12/10/2024 | 2.22 | 100.0 | 99.60 |
| P5217-01DUP | MIXED-DEMODUP | DUP | SOLID | 12/10/2024 | 2.09 | 100.0 | 99.60 |
| P5217-01MS | MIXED-DEMOMS | MS | SOLID | 12/10/2024 | 2.21 | 100.0 | 99.60 |
| P5217-01MSD | MIXED-DEMOMSD | MSD | SOLID | 12/10/2024 | 2.16 | 100.0 | 99.60 |
| PB165528BL | PB165528BL | MB | SOLID | 12/10/2024 | 2.35 | 100.0 | 100.00 |
| PB165528BS | PB165528BS | LCS | SOLID | 12/10/2024 | 2.35 | 100.0 | 100.00 |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133897

| | | | |
|---|---|---|---|
| Review By | kareem | Review On | 12/13/2024 7:07:43 PM |
| Supervise By | mohan | Supervise On | 12/16/2024 11:22:00 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP83552,MP83553,MP83554,MP83555,MP83556,MP83558 |
| ICV Standard | MP83559 |
| CCV Standard | MP83562 |
| ICSA Standard | MP83560,MP83561 |
| CRI Standard | MP83558 |
| LCS Standard | |
| Chk Standard | MP83565,MP83566 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 12/11/24 11:27 | | Kareem | OK |
| 2 | S1 | S1 | CAL2 | 12/11/24 11:31 | | Kareem | OK |
| 3 | S2 | S2 | CAL3 | 12/11/24 11:35 | | Kareem | OK |
| 4 | S3 | S3 | CAL4 | 12/11/24 11:39 | | Kareem | OK |
| 5 | S4 | S4 | CAL5 | 12/11/24 11:44 | | Kareem | OK |
| 6 | S5 | S5 | CAL6 | 12/11/24 11:48 | | Kareem | OK |
| 7 | ICV01 | ICV01 | ICV | 12/11/24 11:52 | | Kareem | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 12/11/24 12:00 | | Kareem | OK |
| 9 | ICB01 | ICB01 | ICB | 12/11/24 12:39 | | Kareem | OK |
| 10 | CRI01 | CRI01 | CRDL | 12/11/24 12:44 | | Kareem | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 12/11/24 12:48 | | Kareem | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 12/11/24 12:52 | | Kareem | OK |
| 13 | CCV01 | CCV01 | CCV | 12/11/24 12:57 | | Kareem | OK |
| 14 | CCB01 | CCB01 | CCB | 12/11/24 13:06 | | Kareem | OK |
| 15 | PB165470TB | PB165470TB | MB | 12/11/24 13:10 | | Kareem | OK |
| 16 | PB165527BL | PB165527BL | MB | 12/11/24 13:15 | | Kareem | OK |
| 17 | PB165527BS | PB165527BS | LCS | 12/11/24 13:19 | 0.1 ml of m6010 and m6001 were added to 10ml of sample | Kareem | OK |
| 18 | P5174-02 | ROLL-OFF-COMP | SAM | 12/11/24 13:23 | | Kareem | OK |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133897

| | | | |
|---|---|---|---|
| Review By | kareem | Review On | 12/13/2024 7:07:43 PM |
| Supervise By | mohan | Supervise On | 12/16/2024 11:22:00 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP83552,MP83553,MP83554,MP83555,MP83556,MP83558 |
| ICV Standard | MP83559 |
| CCV Standard | MP83562 |
| ICSA Standard | MP83560,MP83561 |
| CRI Standard | MP83558 |
| LCS Standard | |
| Chk Standard | MP83565,MP83566 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P5196-04 | MH-761 | SAM | 12/11/24 13:28 | | Kareem | OK |
| 20 | P5216-04 | BP-G-6 | SAM | 12/11/24 13:32 | | Kareem | OK |
| 21 | P5216-08 | MH-743 | SAM | 12/11/24 13:37 | | Kareem | OK |
| 22 | P5216-12 | MH-744 | SAM | 12/11/24 13:41 | | Kareem | OK |
| 23 | P5216-16 | TP-12 | SAM | 12/11/24 13:46 | MS/MSD fail for more than 50% parameters | Kareem | Not Ok |
| 24 | P5216-16DUP | TP-12DUP | DUP | 12/11/24 13:50 | MS/MSD fail for more than 50% parameters | Kareem | Not Ok |
| 25 | CCV02 | CCV02 | CCV | 12/11/24 13:54 | | Kareem | OK |
| 26 | CCB02 | CCB02 | CCB | 12/11/24 13:59 | | Kareem | OK |
| 27 | P5245-01 | 72-12016 | SAM | 12/11/24 14:08 | | Kareem | OK |
| 28 | CCV03 | CCV03 | CCV | 12/11/24 14:12 | | Kareem | OK |
| 29 | CCB03 | CCB03 | CCB | 12/11/24 14:17 | | Kareem | OK |
| 30 | P5216-16L | TP-12L | SD | 12/11/24 14:25 | MS/MSD fail for more than 50% parameters | Kareem | Not Ok |
| 31 | P5216-16MS | TP-12MS | MS | 12/11/24 14:30 | MS/MSD fail for more than 50% parameters | Kareem | Not Ok |
| 32 | P5216-16MSD | TP-12MSD | MSD | 12/11/24 14:34 | MS/MSD fail for more than 50% parameters | Kareem | Not Ok |
| 33 | P5216-16A | TP-12A | PS | 12/11/24 14:38 | MS/MSD fail for more than 50% parameters | Kareem | Not Ok |
| 34 | PB165528BL | PB165528BL | MB | 12/11/24 14:43 | | Kareem | OK |
| 35 | PB165528BS | PB165528BS | LCS | 12/11/24 14:47 | 0.1 ml of m6010 and m6001 were added to 10ml of sample | Kareem | OK |

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Fax : 908 789 8922

**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133897

| | | | |
|---|---|---|---|
| Review By | kareem | Review On | 12/13/2024 7:07:43 PM |
| Supervise By | mohan | Supervise On | 12/16/2024 11:22:00 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP83552,MP83553,MP83554,MP83555,MP83556,MP83558 |
| ICV Standard | MP83559 |
| CCV Standard | MP83562 |
| ICSA Standard | MP83560,MP83561 |
| CRI Standard | MP83558 |
| LCS Standard | |
| Chk Standard | MP83565,MP83566 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 36 | P5216-01 | BP-G-6 | SAM | 12/11/24 14:51 | | Kareem | OK |
| 37 | P5216-05 | MH-743 | SAM | 12/11/24 14:55 | | Kareem | OK |
| 38 | P5216-09 | MH-744 | SAM | 12/11/24 14:59 | | Kareem | OK |
| 39 | P5216-13 | TP-12 | SAM | 12/11/24 15:03 | | Kareem | OK |
| 40 | CCV04 | CCV04 | CCV | 12/11/24 15:07 | | Kareem | OK |
| 41 | CCB04 | CCB04 | CCB | 12/11/24 15:12 | | Kareem | OK |
| 42 | P5217-01 | MIXED-DEMO | SAM | 12/11/24 15:16 | | Kareem | OK |
| 43 | P5217-01DUP | MIXED-DEMODUP | DUP | 12/11/24 15:20 | | Kareem | OK |
| 44 | P5217-01L | MIXED-DEMOL | SD | 12/11/24 15:25 | | Kareem | OK |
| 45 | P5217-01MS | MIXED-DEMOMS | MS | 12/11/24 15:29 | 0.1 ml of m6010 and m6001 were added to 10ml of sample | Kareem | OK |
| 46 | P5217-01MSD | MIXED-DEMOMSD | MSD | 12/11/24 15:34 | 0.1 ml of m6010 and m6001 were added to 10ml of sample | Kareem | OK |
| 47 | P5217-01A | MIXED-DEMOA | PS | 12/11/24 15:38 | 0.1 ml of m6010 and m6001 were added to 10ml of sample | Kareem | OK |
| 48 | P5219-01 | MR-CAM-09-MR-CAM | SAM | 12/11/24 15:42 | | Kareem | OK |
| 49 | P5219-02 | MR-CAM-011 | SAM | 12/11/24 15:47 | | Kareem | OK |
| 50 | P5219-03DL | MR-CAM-012DL | SAM | 12/11/24 15:51 | Straight 5x Dilution for all elements | Kareem | OK |
| 51 | P5219-04 | MR-CAM-013 | SAM | 12/11/24 15:55 | Al high | Kareem | Dilution |
| 52 | CCV05 | CCV05 | CCV | 12/11/24 15:59 | | Kareem | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133897

| | | | |
|---|---|---|---|
| Review By | kareem | Review On | 12/13/2024 7:07:43 PM |
| Supervise By | mohan | Supervise On | 12/16/2024 11:22:00 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP83552,MP83553,MP83554,MP83555,MP83556,MP83558 |
| ICV Standard | MP83559 |
| CCV Standard | MP83562 |
| ICSA Standard | MP83560,MP83561 |
| CRI Standard | MP83558 |
| LCS Standard | |
| Chk Standard | MP83565,MP83566 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 53 | CCB05 | CCB05 | CCB | 12/11/24 16:05 | | Kareem | OK |
| 54 | P5219-04DL | MR-CAM-013DL | SAM | 12/11/24 16:09 | 5x for Al | Kareem | Confirms |
| 55 | P5223-01 | TR-05-120924 | SAM | 12/11/24 16:14 | | Kareem | OK |
| 56 | CCV06 | CCV06 | CCV | 12/11/24 16:22 | | Kareem | OK |
| 57 | CCB06 | CCB06 | CCB | 12/11/24 16:26 | | Kareem | OK |
| 58 | LR1 | LR1 | HIGH STD | 12/11/24 16:30 | | Kareem | OK |
| 59 | LR2 | LR2 | HIGH STD | 12/11/24 16:35 | | Kareem | OK |
| 60 | CCV07 | CCV07 | CCV | 12/11/24 16:39 | | Kareem | OK |
| 61 | CCB07 | CCB07 | CCB | 12/11/24 16:43 | | Kareem | OK |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

PB165528

**SOP ID :** M3050B-Digestion-20

**SDG No :** N/A

**Matrix :** SOIL

**Pippete ID:** ICP A

**Balance ID :** M SC-2

**Filter paper ID :** N/A

**pH Strip ID :** N/A

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #5 2. N/A

**Start Digest Date:** 12/10/2024 **Time :** 11:05 **Temp :** 96 °C

**End Digest Date:** 12/10/2024 **Time :** 13:15 **Temp :** 96 °C

**Digestion tube ID:** M6054

**Block thermometer ID:** MET-DIG. # 5

**Dig Technician Signature:** SK9.

**Supervisor Signature:**

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LFS-1 | 1.00 | M6000 |
| LFS-2 | 1.00 | M6009 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| 1:1 HNO3 | 10.00 | MP83498 |
| Conc. HNO3 | 5.00 | M6126 |
| 30% H2O2 | 3.00 | M6125 |
| Conc. HCL | 10.00 | M6121 |
| PTFE Boiling Stones | N/A | M5585 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

HOT BLOCK#5 CELL #33 Temp: 96 C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 12/10/24 12:05 | SK9 meth. Digestion | [illegible] lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

**PB165528**

| Lab Sample ID | Client Sample ID | pH | Initial Weight (g) | Final Vol (ml) | Color Before | Color After | Texture | Artifact | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P5216-01 | BP-G-6 | N/A | 2.10 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| P5216-05 | MH-743 | N/A | 2.13 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| P5216-09 | MH-744 | N/A | 2.22 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| P5216-13 | TP-12 | N/A | 2.46 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| P5217-01 | MIXED-DEMO | N/A | 2.22 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| P5217-01MS | MIXED-DEMOMS | N/A | 2.21 | 100 | Brown | Yellow | Medium | N/A | M6000,M6009 | N/A |
| P5217-01MSD | MIXED-DEMOMSD | N/A | 2.16 | 100 | Brown | Yellow | Medium | N/A | M6000,M6009 | N/A |
| P5217-01DUP | MIXED-DEMODUP | N/A | 2.09 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| P5219-01 | MR-CAM-09-MR-CAM-010 | N/A | 2.15 | 100 | Gray | Yellow | Medium | N/A | N/A | N/A |
| P5219-02 | MR-CAM-011 | N/A | 2.27 | 100 | Gray | Yellow | Medium | N/A | N/A | N/A |
| P5219-03 | MR-CAM-012 | N/A | 2.15 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| P5219-04 | MR-CAM-013 | N/A | 2.03 | 100 | White | Yellow | Medium | N/A | N/A | N/A |
| P5223-01 | TR-05-120924 | N/A | 2.13 | 100 | Brown | Yellow | Medium | N/A | N/A | N/A |
| PB165528BL | PBS528 | N/A | 2.35 | 100 | Colorless | Colorless | Fine | N/A | N/A | N/A |
| PB165528BS | LCS528 | N/A | 2.35 | 100 | Colorless | Colorless | Fine | N/A | M6000,M6009 | N/A |

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: P5217

COC Number:

### CLIENT INFORMATION

*Report to be sent to:*

COMPANY: EarthEfficient
ADDRESS: 30 W Main St
CITY: Riverhead STATE: NY ZIP: 11901
ATTENTION: Env Team - envteam@earthefficient.com
PHONE: (631) 209-4245 FAX:

### PROJECT INFORMATION

PROJECT NAME: 45-40 Vernon Blvd LIC
PROJECT #: LOCATION: 45-40 Vernon Blvd
PROJECT MANAGER: Ryan Casserly Long Island City, NY
E-MAIL: envteam@earthefficient.com
PHONE: (631) 209-4245 FAX:

### BILLING INFORMATION

BILL TO: EarthEfficient PO#
ADDRESS: 30 W Main St
CITY: Riverhead STATE: NY ZIP: 11901
ATTENTION: Pia Tague - pia@earthefficient.com
PHONE: (631) 209-4245

### DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☑ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

### ANALYSIS

1 total lead (6010); 2 PCBs (8082); 3; 4; 5; 6; 7; 8; 9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Mixed Demo | S | ✔ | | 12/9/21 | 11:20am | 1 | ✔ | ✔ | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

<- Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER | DATE/TIME | RECEIVED BY |
|---|---|---|
| 1. | 12/9/21 | 1. 1230 |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY |
| 2. | | 2. |
| RELINQUISHED BY | DATE/TIME | RECEIVED FOR LAB BY |
| 3. | | 3. |

Conditions of bottles or coilers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.4°C

Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other:
CHEMTECH: ☐ Picked Up

Shipment Complete
☐ YES ☐ NO

10/2021

**WHITE** - CHEMTECH COPY FOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

# Laboratory Certification

| Certified By | License No. |
|---|---|
| CAS EPA CLP Contract | 68HERH20D0011 |
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255424 Rev 1 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | T104704488 |