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# Cover Page

**Order ID :** P4578

**Project ID :** Amtrak Sawtooth Bridges 2024

**Client :** Portal Partners Tri-Venture

| Lab Sample Number | Client Sample Number |
|---|---|
| P4578-01 | WB-305-SW |
| P4578-02 | WB-305-SW-1 |
| P4578-03 | WB-305-TOP |
| P4578-04 | WB-305-TOP-1 |
| P4578-05 | WB-305-BOT |
| P4578-06 | WB-305-BOT |
| P4578-07 | WB-305-BOT-1 |
| P4578-08 | WB-305-BOT-1 |
| P4578-09 | TB-10252024 |

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 : _____

Date: 10/30/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

# 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 #:** **P4578**

| | 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:** **MAYUR DESAI** **Date:** **10/30/2024**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P4578 | **OrderDate:** | 10/25/2024 3:58:00 PM |
| **Client:** | Portal Partners Tri-Venture | **Project:** | Amtrak Sawtooth Bridges 2024 |
| **Contact:** | Joseph Krupansky | **Location:** | K63,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P4578-01** | **WB-305-SW** | **WATER** | | | **10/25/24** | | | **10/25/24** |
| | | | PCB | 8082A | | 10/29/24 | 10/29/24 | |
| **P4578-02** | **WB-305-SW-1** | **WATER** | | | **10/25/24** | | | **10/25/24** |
| | | | PCB | 8082A | | 10/29/24 | 10/29/24 | |
| **P4578-03** | **WB-305-TOP** | **SOIL** | | | **10/25/24** | | | **10/25/24** |
| | | | PCB | 8082A | | 10/28/24 | 10/29/24 | |
| **P4578-04** | **WB-305-TOP-1** | **SOIL** | | | **10/25/24** | | | **10/25/24** |
| | | | PCB | 8082A | | 10/28/24 | 10/29/24 | |
| **P4578-05** | **WB-305-BOT** | **SOIL** | | | **10/25/24** | | | **10/25/24** |
| | | | PCB | 8082A | | 10/28/24 | 10/29/24 | |
| **P4578-07** | **WB-305-BOT-1** | **SOIL** | | | **10/25/24** | | | **10/25/24** |
| | | | PCB | 8082A | | 10/28/24 | 10/29/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4578 **Order ID:** P4578

**Client:** Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

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

**Client ID :**

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

# QC
# SUMMARY

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## Surrogate Summary

**SDG No.:** P4578

**Client:** Portal Partners Tri-Venture

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PO107183.D | PIBLK-PO107183.D | Tetrachloro-m-xylene | 1 | 20 | 22.5 | 112 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 23.4 | 117 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.1 | 110 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 22.8 | 114 | | 70 (60) | 130 (140) |
| I.BLK-PO107440.D | PIBLK-PO107440.D | Tetrachloro-m-xylene | 1 | 20 | 19.9 | 100 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 20.5 | 103 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.5 | 103 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 20.4 | 102 | | 70 (60) | 130 (140) |
| PB164459BL | PB164459BL | Tetrachloro-m-xylene | 1 | 20 | 21.0 | 105 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 22.8 | 114 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.7 | 108 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 22.4 | 112 | | 30 (32) | 150 (175) |
| PB164459BS | PB164459BS | Tetrachloro-m-xylene | 1 | 20 | 20.6 | 103 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 22.1 | 110 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.0 | 100 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 21.9 | 109 | | 30 (32) | 150 (175) |
| P4566-01MS | HD-01-102524MS | Tetrachloro-m-xylene | 1 | 20 | 16.6 | 83 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 17.3 | 87 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.8 | 94 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 14.8 | 74 | | 30 (32) | 150 (175) |
| P4566-01MSD | HD-01-102524MSD | Tetrachloro-m-xylene | 1 | 20 | 16.5 | 83 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 16.8 | 84 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.0 | 95 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 14.2 | 71 | | 30 (32) | 150 (175) |
| I.BLK-PO107455.D | PIBLK-PO107455.D | Tetrachloro-m-xylene | 1 | 20 | 19.6 | 98 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 18.8 | 94 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.2 | 101 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 16.9 | 85 | | 70 (60) | 130 (140) |
| P4578-03 | WB-305-TOP | Tetrachloro-m-xylene | 1 | 20 | 16.2 | 81 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 16.7 | 84 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.1 | 100 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 14.8 | 74 | | 30 (32) | 150 (175) |
| P4578-04 | WB-305-TOP-1 | Tetrachloro-m-xylene | 1 | 20 | 17.4 | 87 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 18.6 | 93 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.5 | 113 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 16.2 | 81 | | 30 (32) | 150 (175) |
| P4578-05 | WB-305-BOT | Tetrachloro-m-xylene | 1 | 20 | 18.9 | 94 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 1 | 20 | 17.9 | 89 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.3 | 106 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 16.1 | 80 | | 30 (32) | 150 (175) |
| P4578-07 | WB-305-BOT-1 | Tetrachloro-m-xylene | 1 | 20 | 19.2 | 96 | | 30 (32) | 150 (144) |

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## Surrogate Summary

**SDG No.:** P4578

**Client:** Portal Partners Tri-Venture

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| P4578-07 | WB-305-BOT-1 | Decachlorobiphenyl | 1 | 20 | 17.7 | 88 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.9 | 105 | | 30 (32) | 150 (144) |
| | | Decachlorobiphenyl | 2 | 20 | 16.1 | 80 | | 30 (32) | 150 (175) |
| I.BLK-PO107468.D | PIBLK-PO107468.D | Tetrachloro-m-xylene | 1 | 20 | 19.8 | 99 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 19.2 | 96 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.6 | 103 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 17.5 | 87 | | 70 (60) | 130 (140) |
| I.BLK-PP067586.D | PIBLK-PP067586.D | Tetrachloro-m-xylene | 1 | 20 | 21.1 | 105 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 23.6 | 118 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.1 | 110 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 23.5 | 117 | | 70 (60) | 130 (140) |
| I.BLK-PP068303.D | PIBLK-PP068303.D | Tetrachloro-m-xylene | 1 | 20 | 20.5 | 103 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 22.0 | 110 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.4 | 87 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 20.7 | 104 | | 70 (60) | 130 (140) |
| PB164493BL | PB164493BL | Tetrachloro-m-xylene | 1 | 20 | 19.4 | 97 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 1 | 20 | 21.8 | 109 | | 30 (10) | 150 (173) |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.2 | 91 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 2 | 20 | 21.0 | 105 | | 30 (10) | 150 (173) |
| PB164493BS | PB164493BS | Tetrachloro-m-xylene | 1 | 20 | 20.7 | 103 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 1 | 20 | 22.3 | 112 | | 30 (10) | 150 (173) |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.6 | 93 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 2 | 20 | 21.5 | 107 | | 30 (10) | 150 (173) |
| PB164493BSD | PB164493BSD | Tetrachloro-m-xylene | 1 | 20 | 20.8 | 104 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 1 | 20 | 22.3 | 111 | | 30 (10) | 150 (173) |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.5 | 93 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 2 | 20 | 20.9 | 105 | | 30 (10) | 150 (173) |
| P4578-01 | WB-305-SW | Tetrachloro-m-xylene | 1 | 20 | 21.1 | 105 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 1 | 20 | 20.5 | 103 | | 30 (10) | 150 (173) |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.0 | 100 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 2 | 20 | 19.5 | 98 | | 30 (10) | 150 (173) |
| P4578-02 | WB-305-SW-1 | Tetrachloro-m-xylene | 1 | 20 | 21.7 | 108 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 1 | 20 | 20.7 | 103 | | 30 (10) | 150 (173) |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.6 | 98 | | 30 (10) | 150 (157) |
| | | Decachlorobiphenyl | 2 | 20 | 20.4 | 102 | | 30 (10) | 150 (173) |
| I.BLK-PP068316.D | PIBLK-PP068316.D | Tetrachloro-m-xylene | 1 | 20 | 20.1 | 101 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 1 | 20 | 22.0 | 110 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.1 | 91 | | 70 (60) | 130 (140) |
| | | Decachlorobiphenyl | 2 | 20 | 21.5 | 108 | | 70 (60) | 130 (140) |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P4578

**Client:** Portal Partners Tri-Venture

**Analytical Method:** 8082A **DataFile :** PO107446.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:** | **HD-01-102524MS** | | | | | | | | | | | |
| P4566-01MS | AR1016 | 171.1 | 0 | 151 | ug/kg | 88 | | | | 40 (55) | 140 (146) | |
| | AR1260 | 171.1 | 0 | 141 | ug/kg | 82 | | | | 40 (45) | 140 (144) | |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P4578

**Client:** Portal Partners Tri-Venture

**Analytical Method:** 8082A **DataFile :** PO107447.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:** | **HD-01-102524MSD** | | | | | | | | | | | |
| P4566-01MSD | AR1016 | 171 | 0 | 150 | ug/kg | 88 | | 0 | | 40 (55) | 140 (146) | 30 (20) |
| | AR1260 | 171 | 0 | 130 | ug/kg | 76 | | 8 | | 40 (45) | 140 (144) | 30 (20) |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P4578

**Client:** Portal Partners Tri-Venture

**Analytical Method:** 8082A **Datafile :** PO107442.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB164459BS | AR1016 | 166.6 | 160 | ug/kg | 96 | | | | 40 (71) | 140 (120) | |
| | AR1260 | 166.6 | 162 | ug/kg | 97 | | | | 40 (65) | 140 (130) | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P4578

**Client:** Portal Partners Tri-Venture

**Analytical Method:** 8082A **Datafile :** PP068305.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB164493BS | AR1016 | 5 | 4.40 | ug/L | 88 | | | | 40 (61) | 140 (112) | |
| | AR1260 | 5 | 4.10 | ug/L | 82 | | | | 40 (66) | 140 (113) | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P4578

**Client:** Portal Partners Tri-Venture

**Analytical Method:** 8082A **Datafile :** PP068306.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB164493BSD | AR1016 | 5 | 4.30 | ug/L | 86 | 2 | | | 40 (61) | 140 (112) | 20 (20) |
| | AR1260 | 5 | 4.00 | ug/L | 80 | 2 | | | 40 (66) | 140 (113) | 20 (20) |

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164459BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164459BL Lab File ID: PO107441.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/28/2024

Date Analyzed (1): 10/28/2024 Date Analyzed (2): 10/28/2024

Time Analyzed (1): 17:58 Time Analyzed (2): 17:58

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 |
|---|---|---|---|---|
| PB164459BS | PB164459BS | PO107442.D | 10/28/2024 | 10/28/2024 |
| HD-01-102524MS | P4566-01MS | PO107446.D | 10/28/2024 | 10/28/2024 |
| HD-01-102524MSD | P4566-01MSD | PO107447.D | 10/28/2024 | 10/28/2024 |
| WB-305-TOP | P4578-03 | PO107460.D | 10/29/2024 | 10/29/2024 |
| WB-305-TOP-1 | P4578-04 | PO107461.D | 10/29/2024 | 10/29/2024 |
| WB-305-BOT | P4578-05 | PO107462.D | 10/29/2024 | 10/29/2024 |
| WB-305-BOT-1 | P4578-07 | PO107463.D | 10/29/2024 | 10/29/2024 |

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164493BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164493BL Lab File ID: PP068304.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/29/2024

Date Analyzed (1): 10/29/2024 Date Analyzed (2): 10/29/2024

Time Analyzed (1): 15:16 Time Analyzed (2): 15:16

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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 |
|---|---|---|---|---|
| PB164493BS | PB164493BS | PP068305.D | 10/29/2024 | 10/29/2024 |
| PB164493BSD | PB164493BSD | PP068306.D | 10/29/2024 | 10/29/2024 |
| WB-305-SW | P4578-01 | PP068308.D | 10/29/2024 | 10/29/2024 |
| WB-305-SW-1 | P4578-02 | PP068309.D | 10/29/2024 | 10/29/2024 |

COMMENTS:

Alliance
TECHNICAL GROUP

# SAMPLE DATA

Raw Data: **PP068308.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | WB-305-SW | SDG No.: | P4578 |
| Lab Sample ID: | P4578-01 | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 490 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068308.D | 1 | 10/29/24 08:50 | 10/29/24 16:21 | PB164493 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.51 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.51 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.38 | U | 0.38 | 0.51 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.51 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.51 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.51 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.51 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.51 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.51 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.1 | | 30 (10) - 150 (157) | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.5 | | 30 (10) - 150 (173) | 103% | 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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 16:21
Operator : YP\AJ
Sample : P4578-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
WB-305-SW

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 00:55:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.760 | 4.053 | 19491774 | 20245440 | 21.058 | 20.037 |
| 2) | SA Decachlor... | 10.670 | 9.209 | 23620215 | 21905702 | 20.516 | 19.533 |
| | Target Compounds | | | | | | |

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

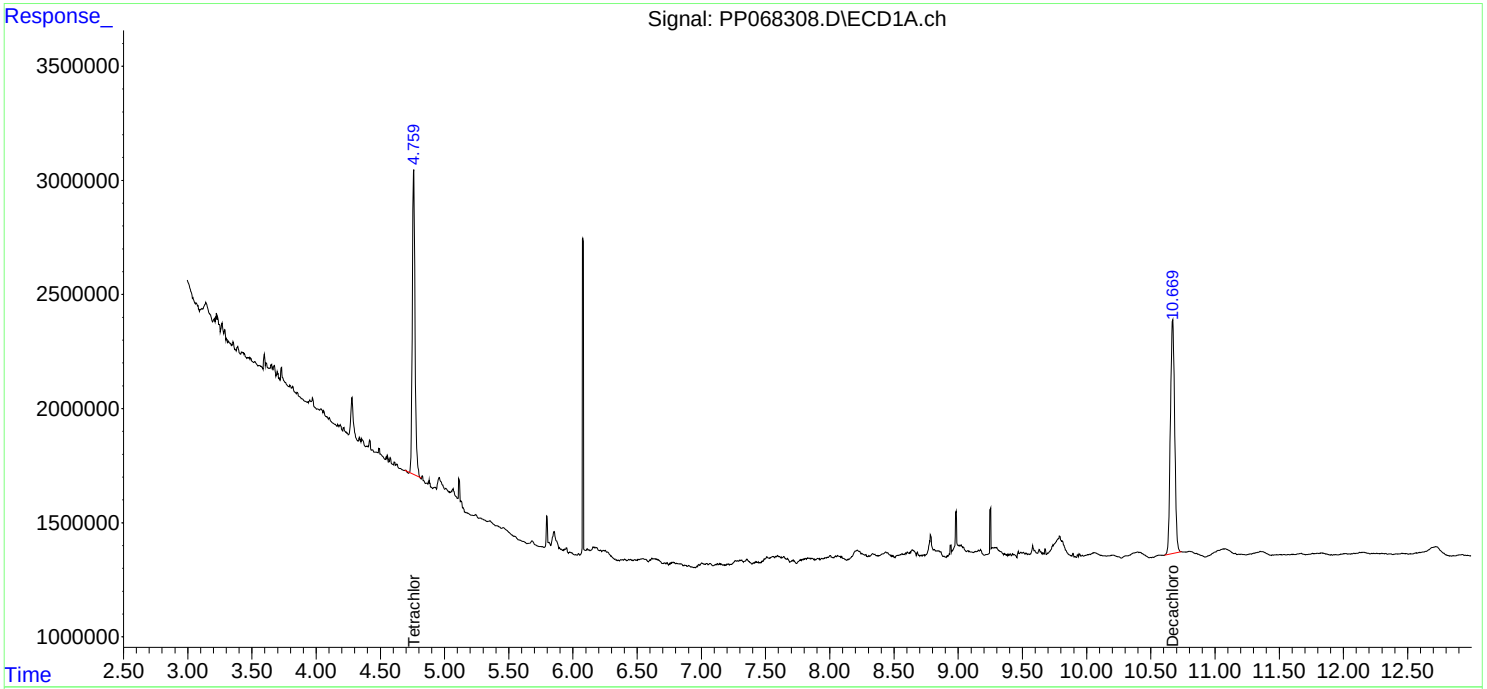
Sample Results: **PP068308.D**

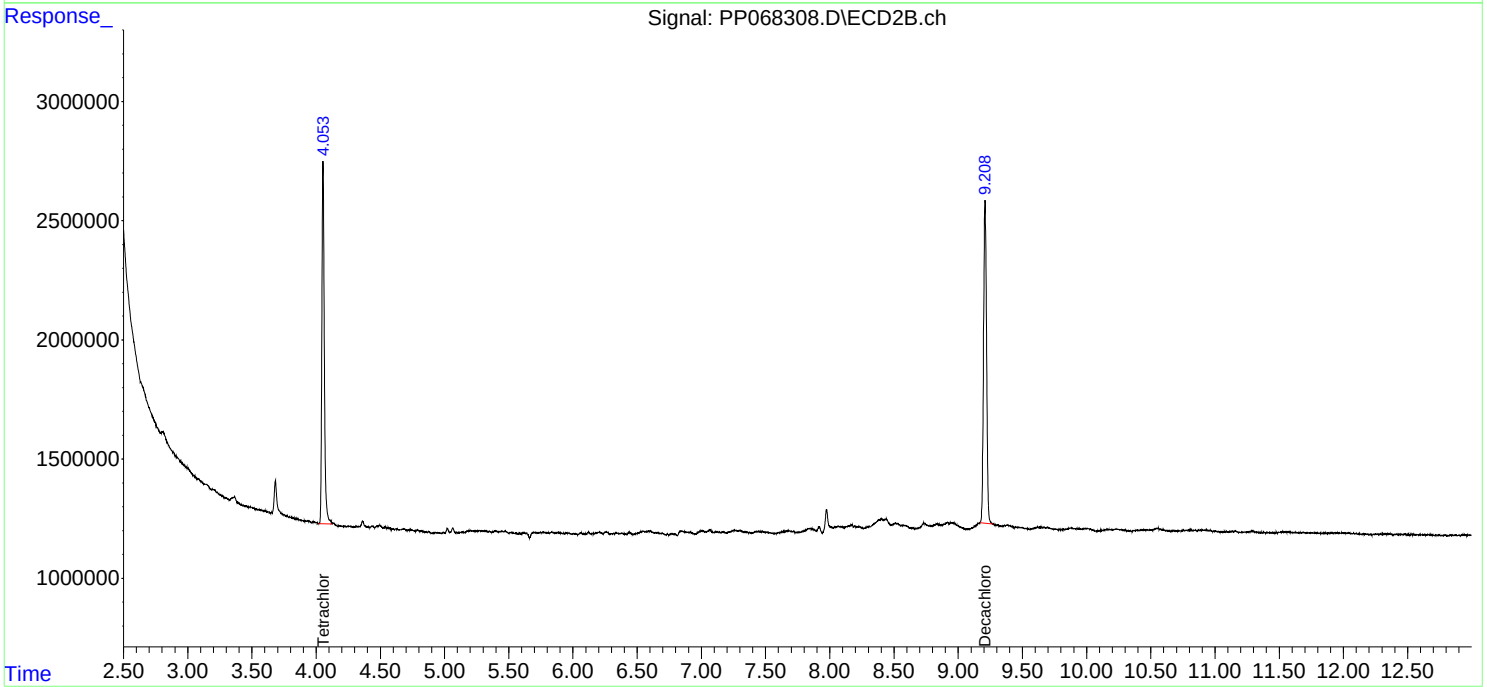
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 16:21
Operator : YP\AJ
Sample : P4578-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

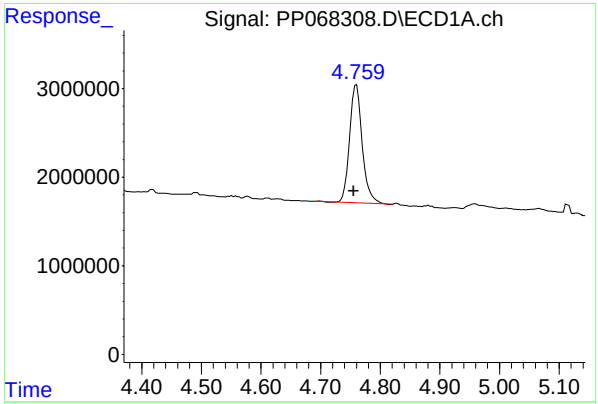
**Instrument :**
ECD_P
**ClientSampleId :**
WB-305-SW

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 00:55:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



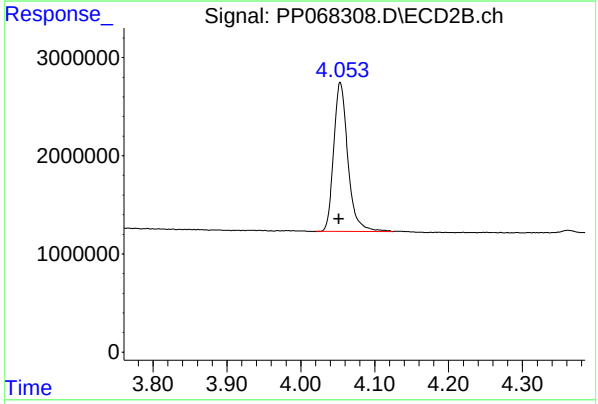






#1 Tetrachloro-m-xylene

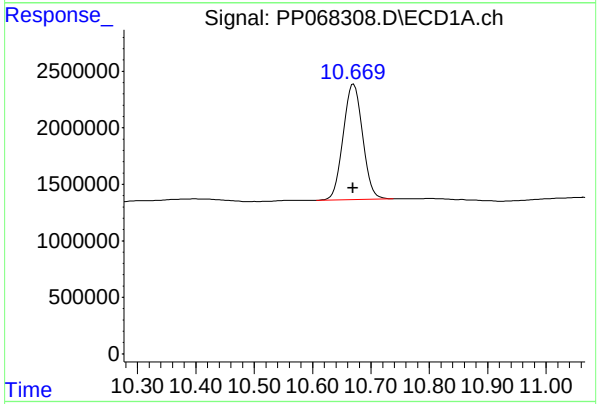
R.T.: 4.760 min
Delta R.T.: 0.005 min
Response: 19491774
Conc: 21.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
WB-305-SW



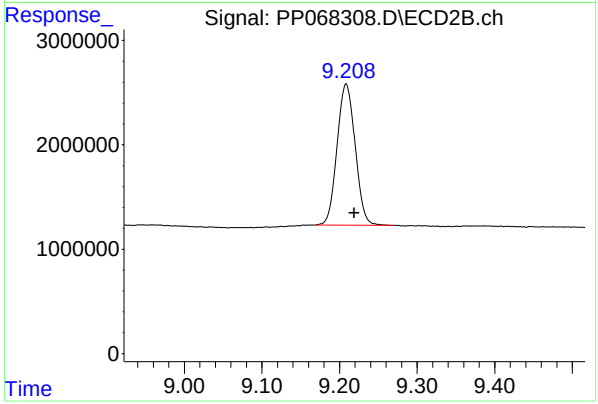

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.002 min
Response: 20245440
Conc: 20.04 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.001 min
Response: 23620215
Conc: 20.52 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 21905702
Conc: 19.53 ng/ml

Raw Data: **PP068309.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | WB-305-SW-1 | SDG No.: | P4578 |
| Lab Sample ID: | P4578-02 | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 490 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068309.D | 1 | 10/29/24 08:50 | 10/29/24 16:37 | PB164493 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.51 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.51 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.38 | U | 0.38 | 0.51 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.51 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.51 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.51 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.51 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.51 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.51 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.7 | | 30 (10) - 150 (157) | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.7 | | 30 (10) - 150 (173) | 103% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PP068309.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 16:37
Operator : YP\AJ
Sample : P4578-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
WB-305-SW-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 00:56:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.759 | 4.053 | 20045493 | 19756036 | 21.656 | 19.553 |
| 2) | SA Decachlor... | 10.668 | 9.207 | 23781400 | 22833348 | 20.656 | 20.360 |
| | Target Compounds | | | | | | |

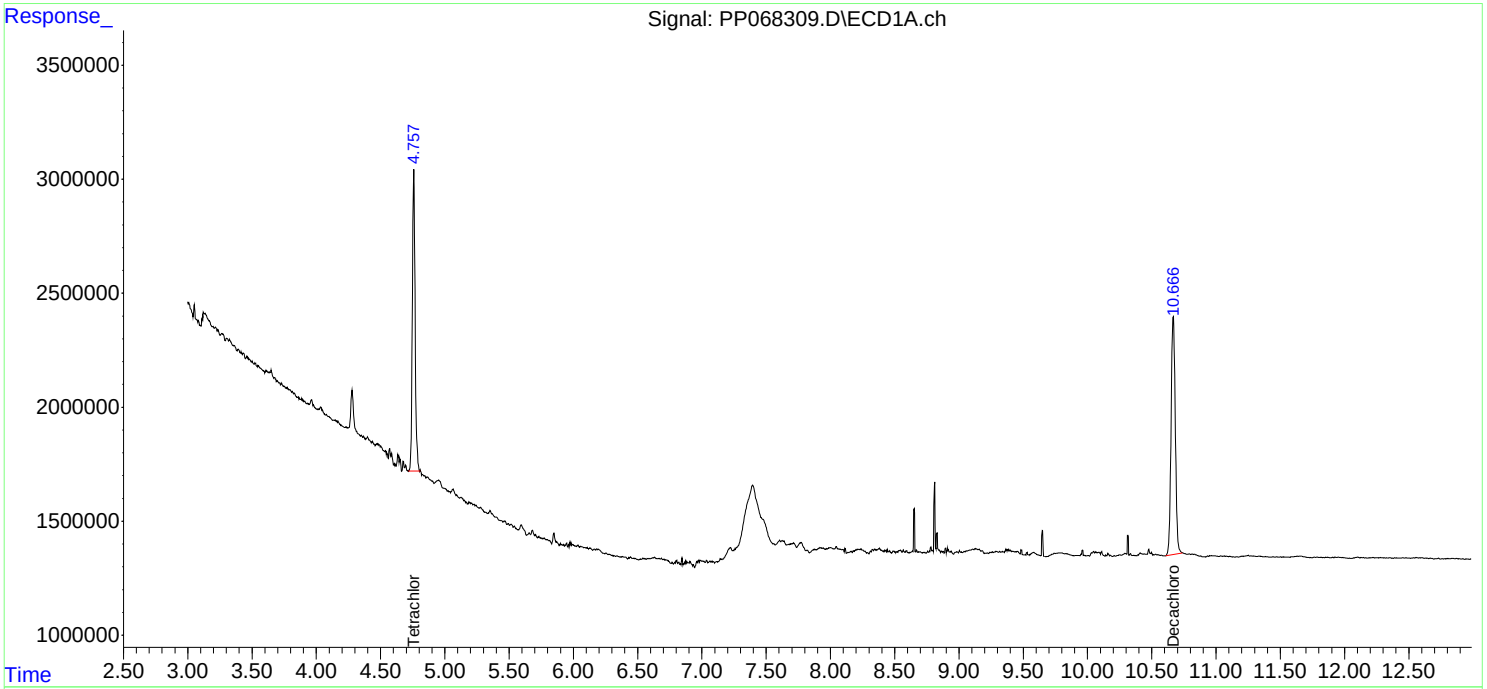
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

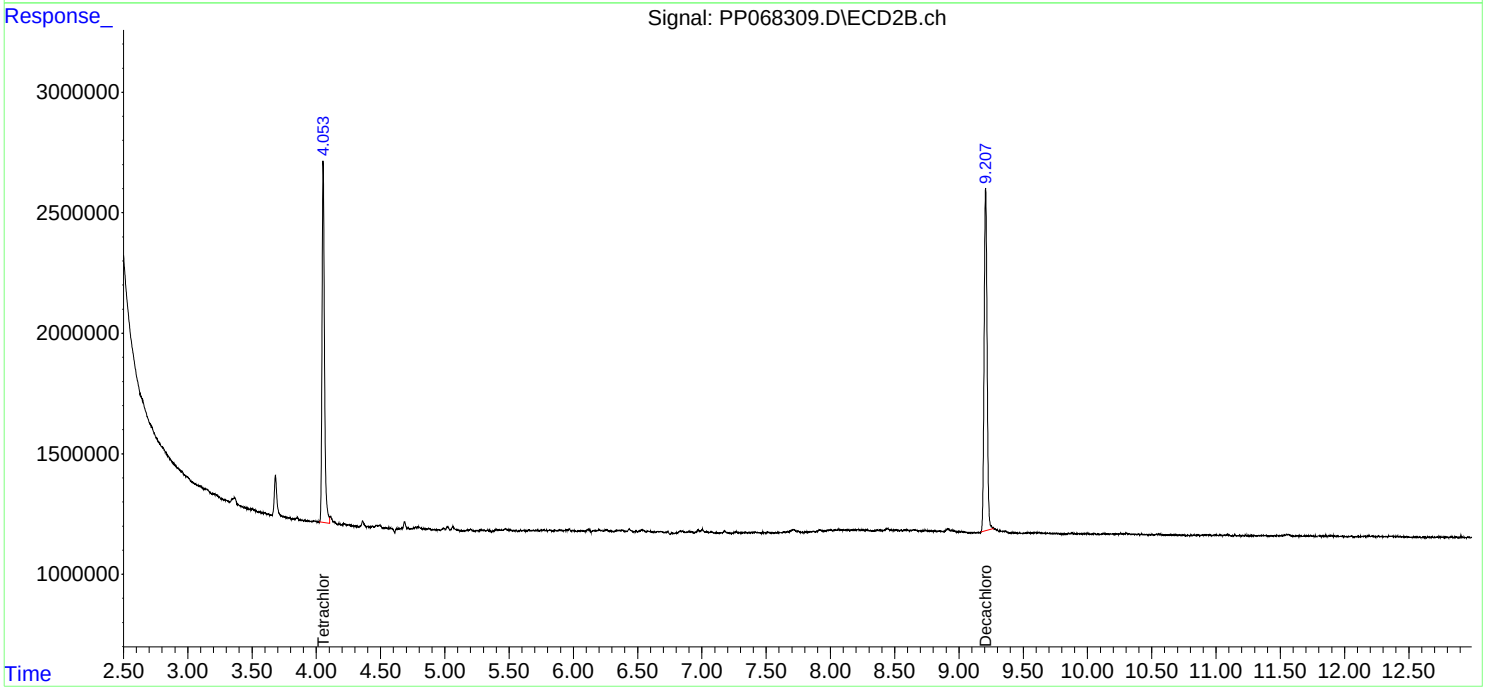
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 16:37
Operator : YP\AJ
Sample : P4578-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

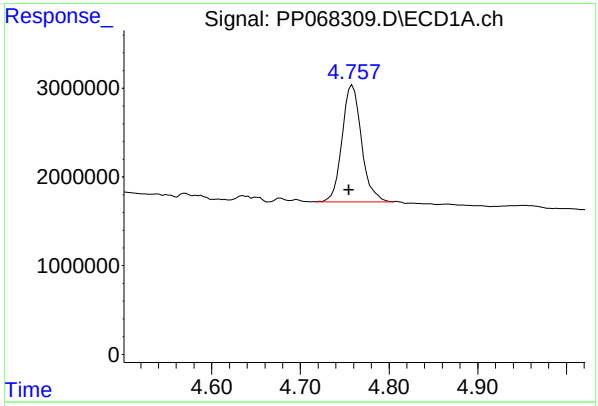
**Instrument :**
ECD_P
**ClientSampleId :**
WB-305-SW-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 00:56:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



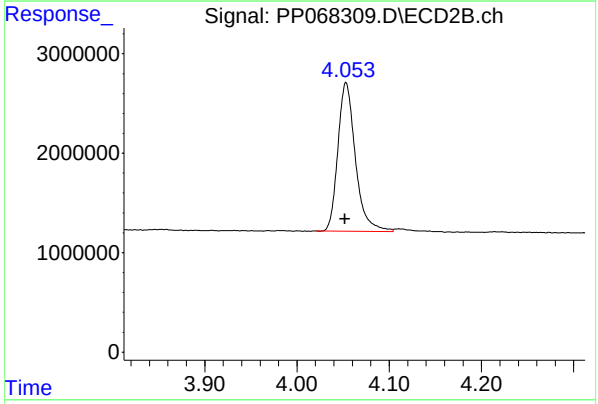






#1 Tetrachloro-m-xylene

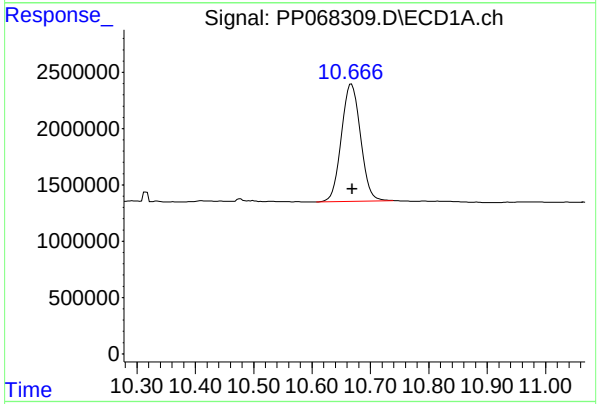
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 20045493
Conc: 21.66 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
WB-305-SW-1



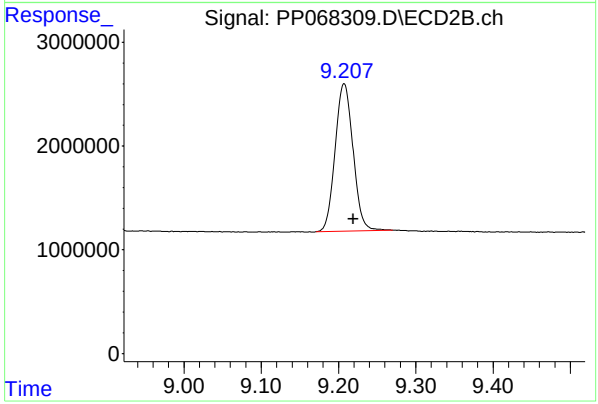

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 19756036
Conc: 19.55 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: -0.001 min
Response: 23781400
Conc: 20.66 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.207 min
Delta R.T.: -0.012 min
Response: 22833348
Conc: 20.36 ng/ml

Raw Data: **PO107460.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | WB-305-TOP | SDG No.: | P4578 |
| Lab Sample ID: | P4578-03 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 53.8 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 |
|---|---|---|---|---|
| PO107460.D | 1 | 10/28/24 08:30 | 10/29/24 00:09 | PB164459 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 6.30 | U | 6.30 | 31.6 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 11.9 | U | 11.9 | 31.6 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 6.30 | U | 6.30 | 31.6 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 6.30 | U | 6.30 | 31.6 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.7 | U | 14.7 | 31.6 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 5.10 | U | 5.10 | 31.6 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 8.50 | U | 8.50 | 31.6 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 6.40 | U | 6.40 | 31.6 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 5.40 | U | 5.40 | 31.6 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.1 | | 30 (32) - 150 (144) | 100% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.7 | | 30 (32) - 150 (175) | 84% | 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

Sample Results: **PO107460.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 00:09
Operator : YP/AJ
Sample : P4578-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-TOP

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:56:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.370 | 3.643 | 147.6E6 | 64601581 | 16.191m | 20.072m |
| 2) | SA Decachlor... | 10.054 | 8.633 | 40999655 | 40497778 | 16.712 | 14.772 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 00:09
Operator : YP/AJ
Sample : P4578-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

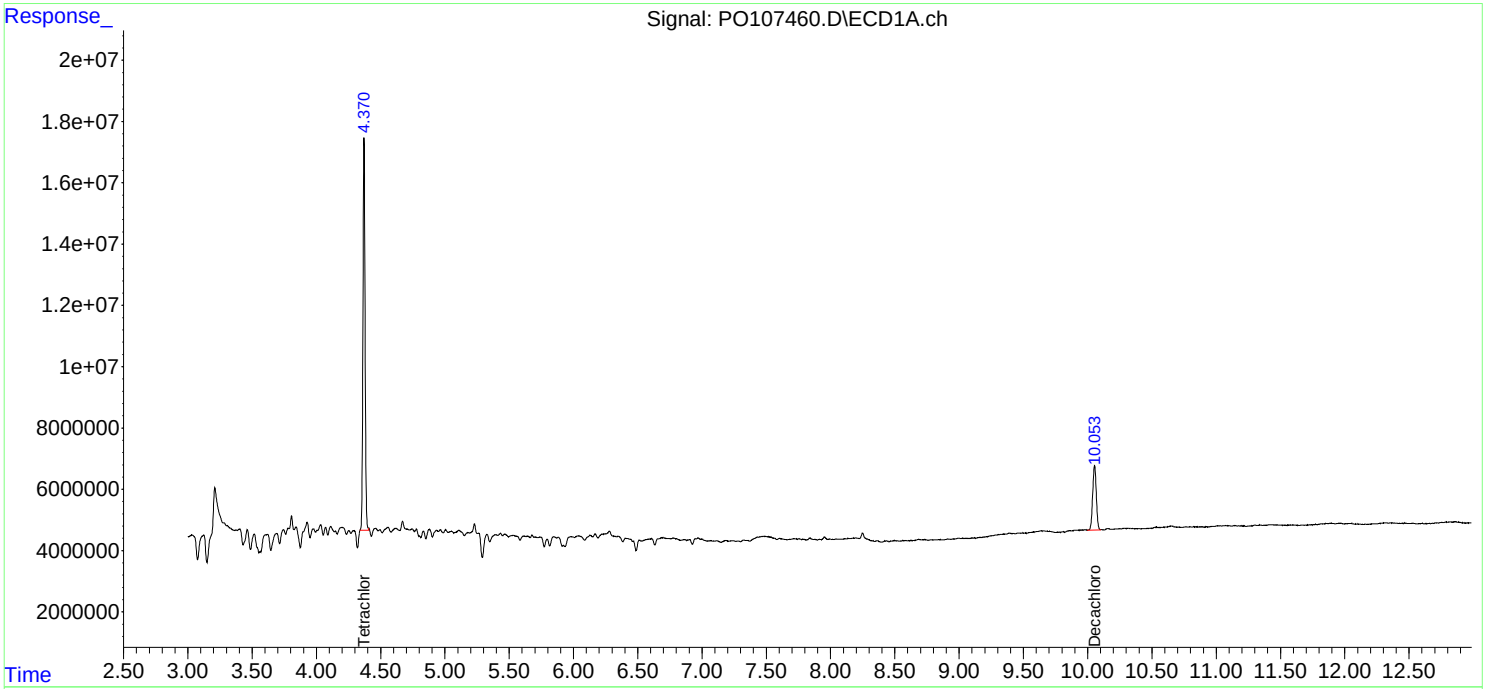
**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-TOP

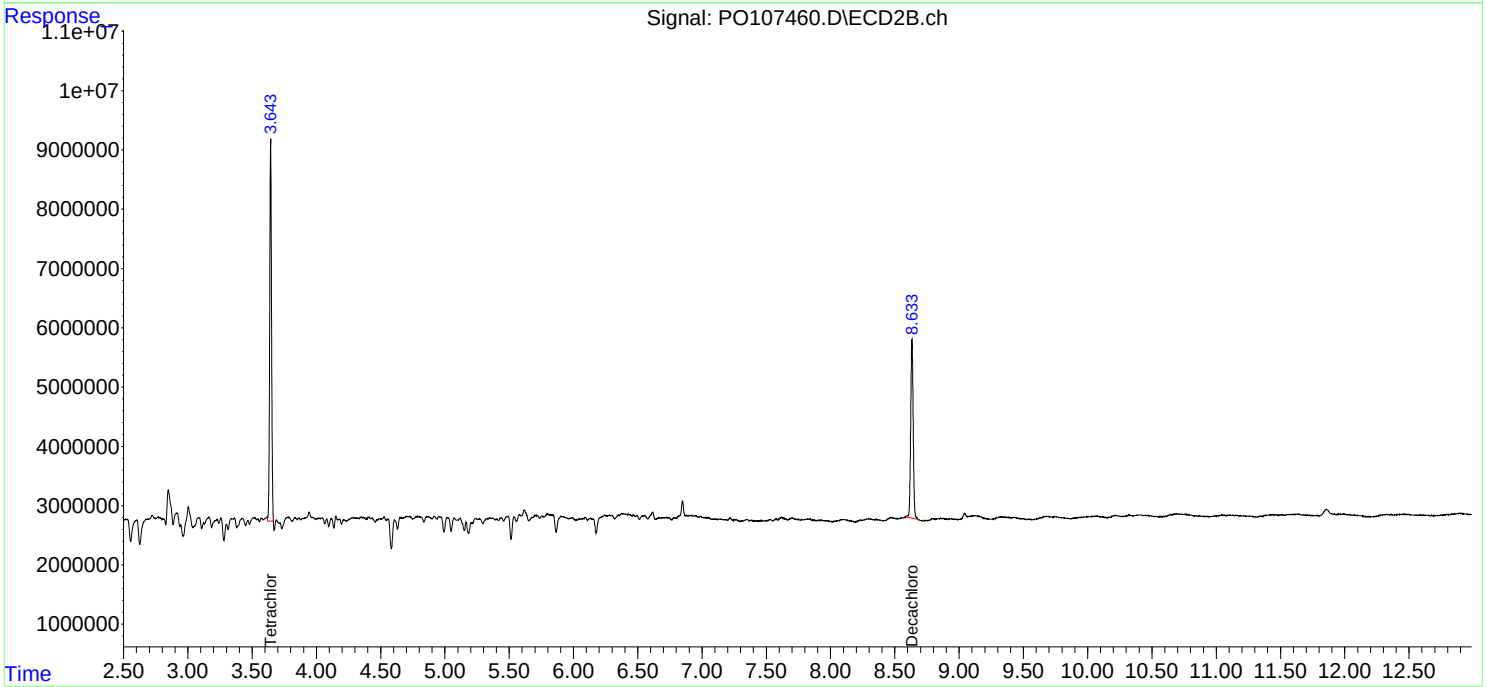
**Manual Integrations APPROVED**

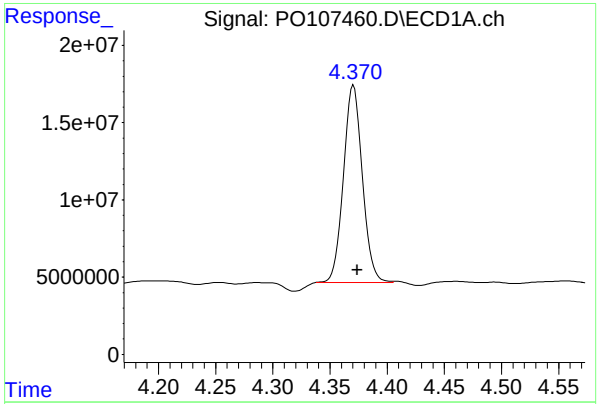
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:56:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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





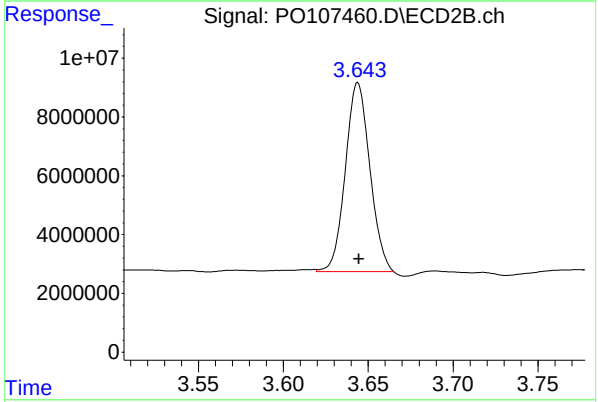

#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 mi
Response: 147562908
Conc: 16.19 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-TOP

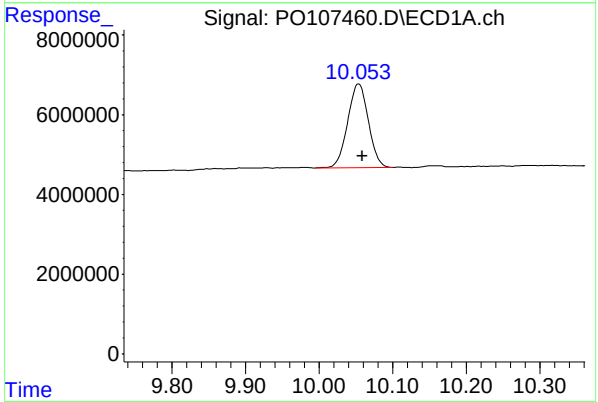
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



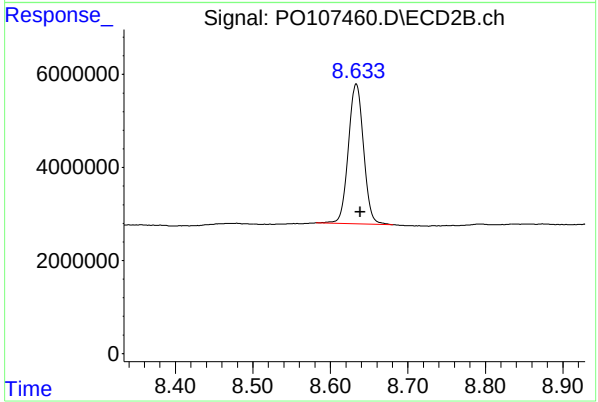

#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 64601581
Conc: 20.07 ng/ml m




#2 Decachlorobiphenyl

R.T.: 10.054 min
Delta R.T.: -0.005 min
Response: 40999655
Conc: 16.71 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.005 min
Response: 40497778
Conc: 14.77 ng/ml

Raw Data: **PO107461.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | WB-305-TOP-1 | SDG No.: | P4578 |
| Lab Sample ID: | P4578-04 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 58.7 Decanted: |
| Sample Wt/Vol: | 30.08 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 |
|---|---|---|---|---|
| PO107461.D | 1 | 10/28/24 08:30 | 10/29/24 00:27 | PB164459 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 5.80 | U | 5.80 | 28.9 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 10.9 | U | 10.9 | 28.9 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 5.80 | U | 5.80 | 28.9 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 5.80 | U | 5.80 | 28.9 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.4 | U | 13.4 | 28.9 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.60 | U | 4.60 | 28.9 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 7.80 | U | 7.80 | 28.9 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 5.80 | U | 5.80 | 28.9 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.90 | U | 4.90 | 28.9 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.5 | | 30 (32) - 150 (144) | 113% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.6 | | 30 (32) - 150 (175) | 93% | 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

Sample Results: **PO107461.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 00:27
Operator : YP/AJ
Sample : P4578-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-TOP-1

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:56:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.370 | 3.643 | 159.0E6 | 72417542 | 17.443m | 22.500m# |
| 2) | SA Decachlor... | 10.056 | 8.634 | 45557657 | 44302444 | 18.569 | 16.159 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 00:27
Operator : YP/AJ
Sample : P4578-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

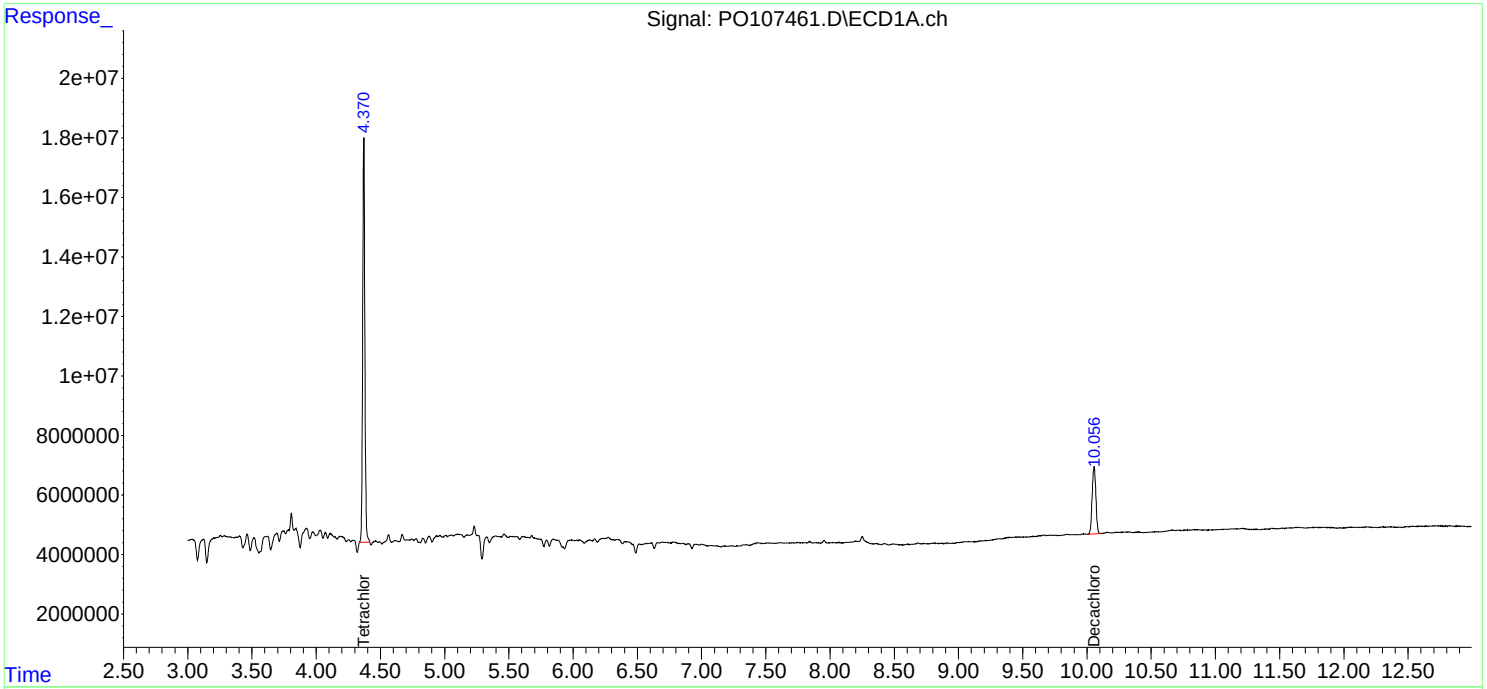
**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-TOP-1

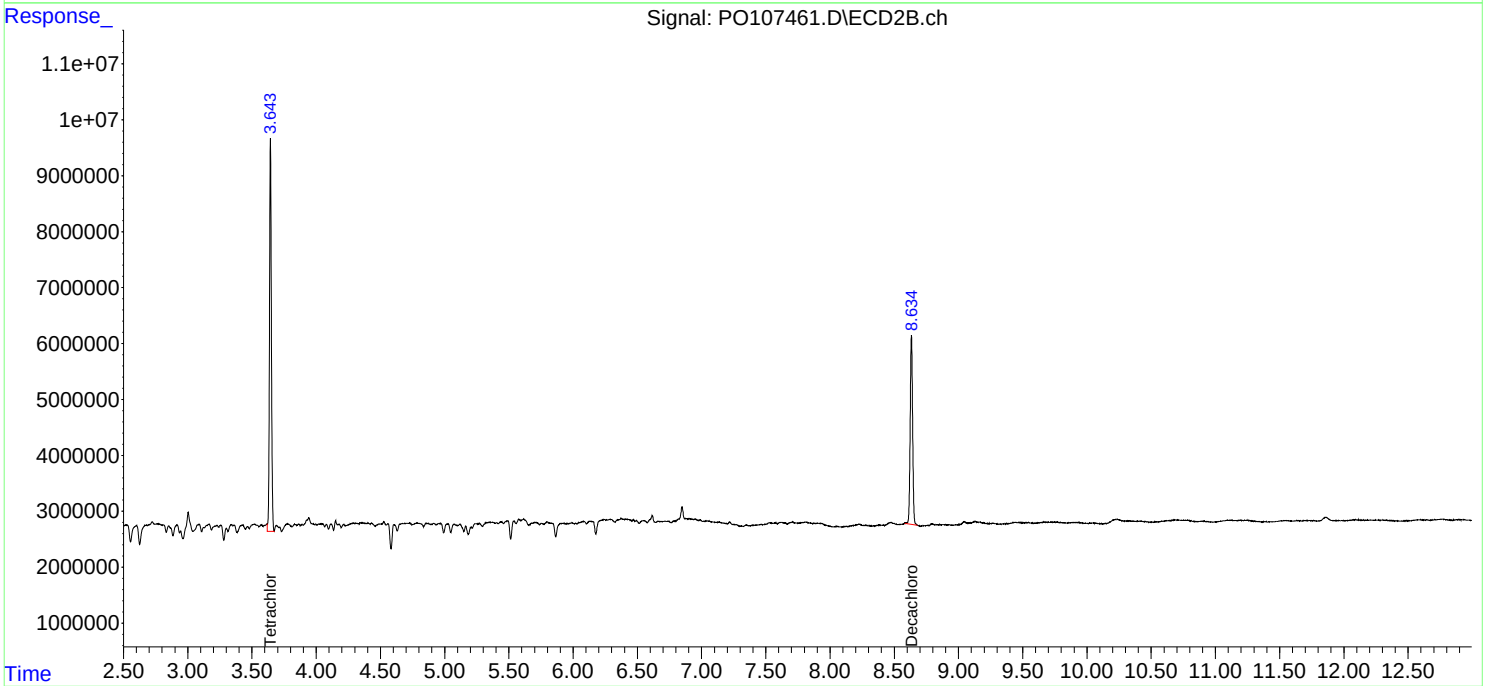
**Manual Integrations APPROVED**

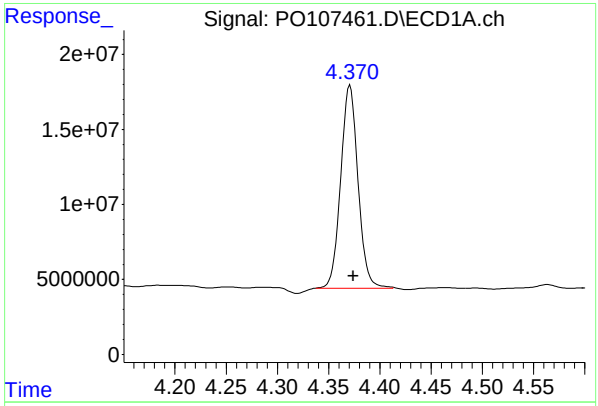
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:56:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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





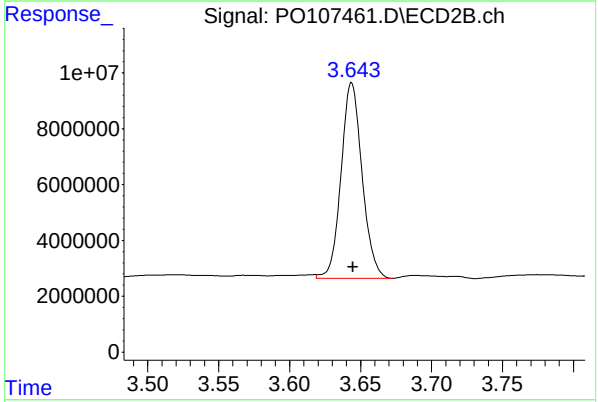

#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 158976692
Conc: 17.44 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-TOP-1

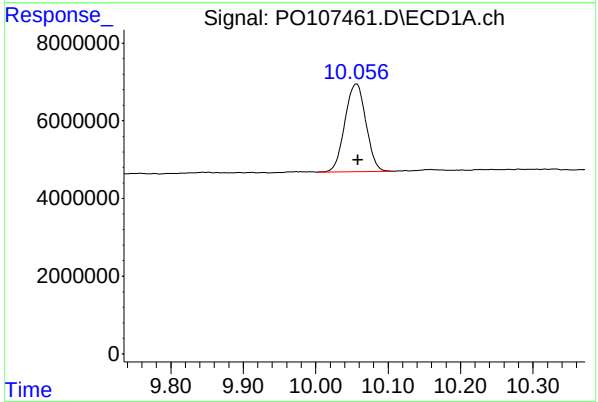
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



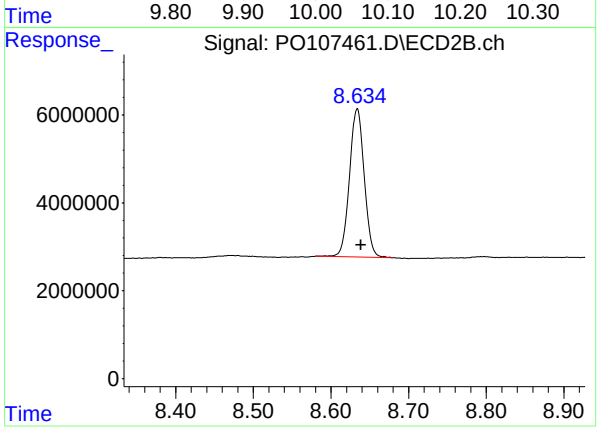

#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 72417542
Conc: 22.50 ng/ml m




#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 45557657
Conc: 18.57 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 44302444
Conc: 16.16 ng/ml

Raw Data: **PO107462.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | WB-305-BOT | SDG No.: | P4578 |
| Lab Sample ID: | P4578-05 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 82.1 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 |
|---|---|---|---|---|
| PO107462.D | 1 | 10/28/24 08:30 | 10/29/24 00:45 | PB164459 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.10 | U | 4.10 | 20.7 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 7.80 | U | 7.80 | 20.7 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.10 | U | 4.10 | 20.7 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.10 | U | 4.10 | 20.7 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 9.60 | U | 9.60 | 20.7 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.30 | U | 3.30 | 20.7 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.60 | U | 5.60 | 20.7 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.20 | U | 4.20 | 20.7 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.50 | U | 3.50 | 20.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.3 | | 30 (32) - 150 (144) | 106% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.9 | | 30 (32) - 150 (175) | 89% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107462.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 00:45
Operator : YP/AJ
Sample : P4578-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:57:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.370 | 3.644 | 172.2E6 | 68480538 | 18.892 | 21.277 |
| 2) | SA Decachlor... | 10.055 | 8.634 | 43832826 | 44034741 | 17.866 | 16.062 |
| | Target Compounds | | | | | | |

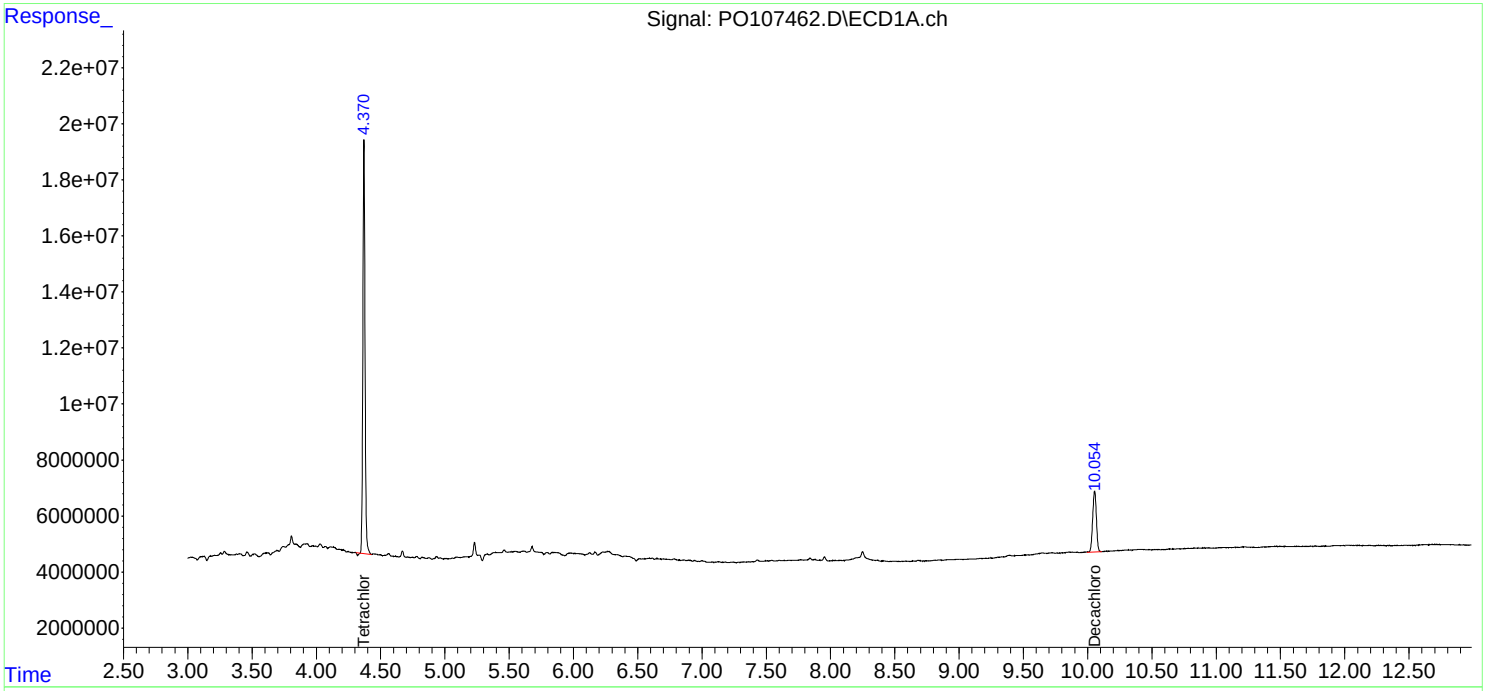
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

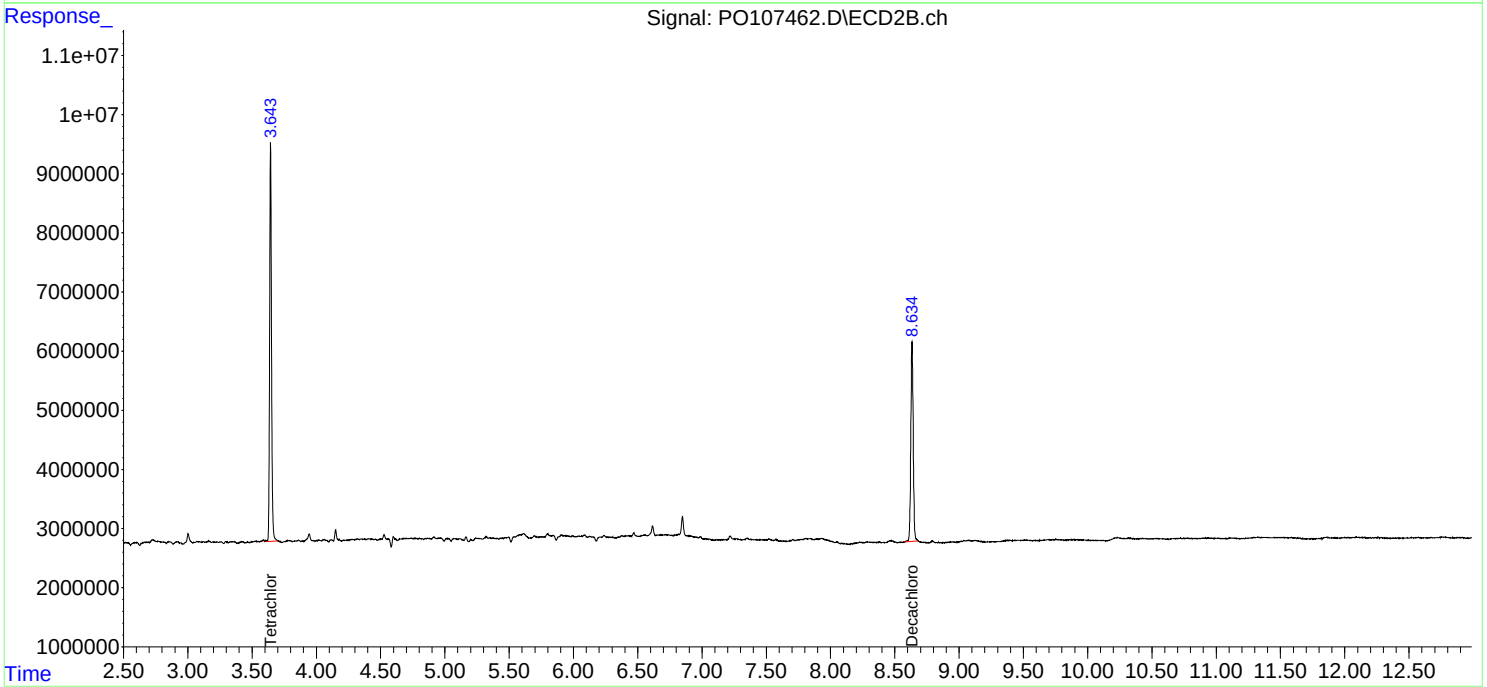
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 00:45
Operator : YP/AJ
Sample : P4578-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

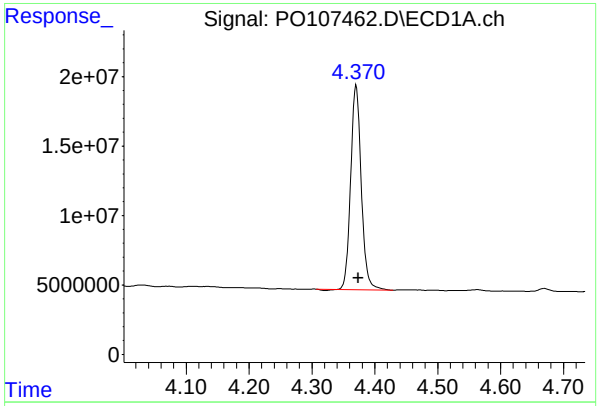
**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:57:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



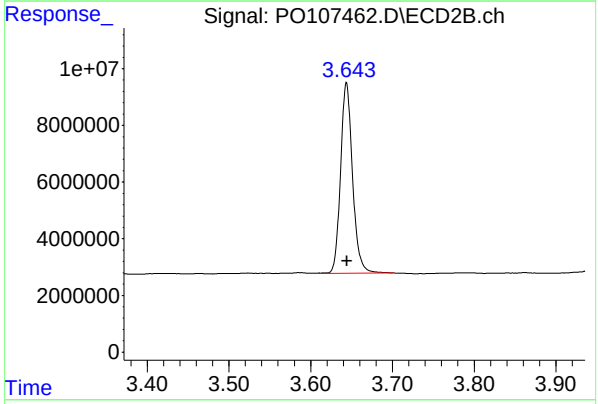






#1 Tetrachloro-m-xylene

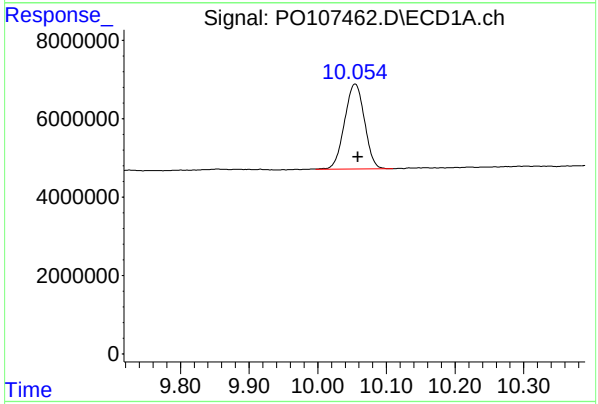
R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 172177013
Conc: 18.89 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-BOT



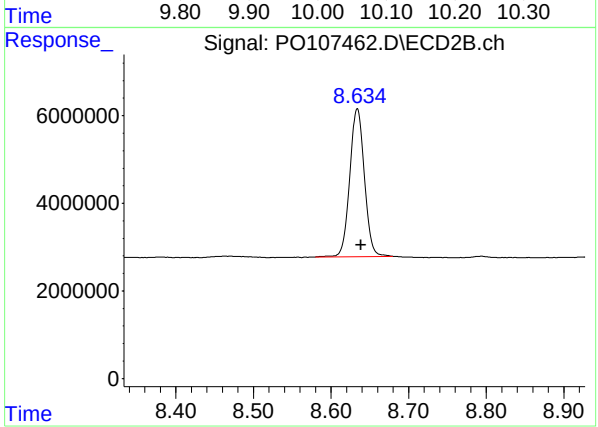

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 68480538
Conc: 21.28 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.004 min
Response: 43832826
Conc: 17.87 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 44034741
Conc: 16.06 ng/ml

Raw Data: **PO107463.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | WB-305-BOT-1 | SDG No.: | P4578 |
| Lab Sample ID: | P4578-07 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 94.4 Decanted: |
| Sample Wt/Vol: | 30.04 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 |
|---|---|---|---|---|
| PO107463.D | 1 | 10/28/24 08:30 | 10/29/24 01:03 | PB164459 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.60 | U | 3.60 | 18.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 6.80 | U | 6.80 | 18.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.60 | U | 3.60 | 18.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.60 | U | 3.60 | 18.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 8.30 | U | 8.30 | 18.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 2.90 | U | 2.90 | 18.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.80 | U | 4.80 | 18.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 3.60 | 18.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.10 | U | 3.10 | 18.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.9 | | 30 (32) - 150 (144) | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.7 | | 30 (32) - 150 (175) | 88% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107463.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 01:03
Operator : YP/AJ
Sample : P4578-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-BOT-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 05:16:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.370 | 3.644 | 175.1E6 | 67328634 | 19.210 | 20.919 |
| 2) | SA Decachlor... | 10.054 | 8.634 | 43378598 | 44074598 | 17.681 | 16.076 |
| | Target Compounds | | | | | | |

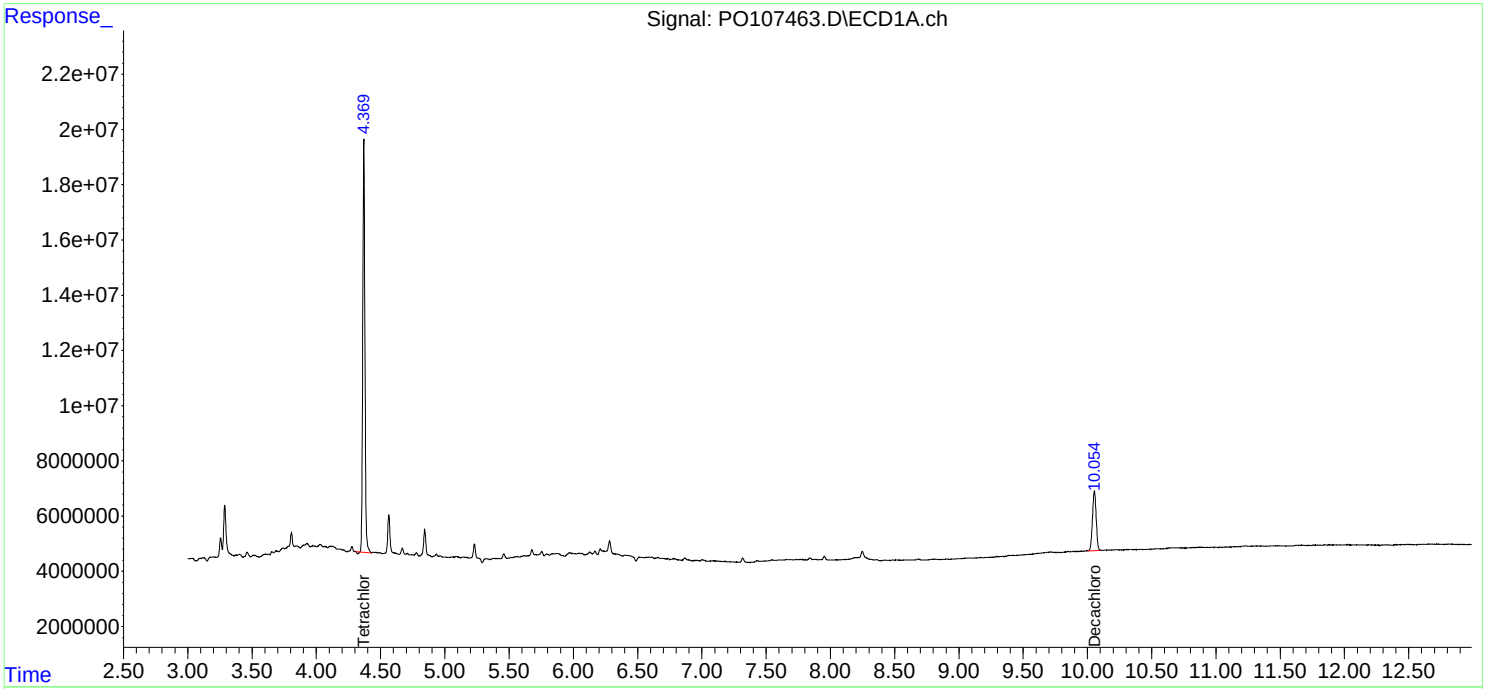
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

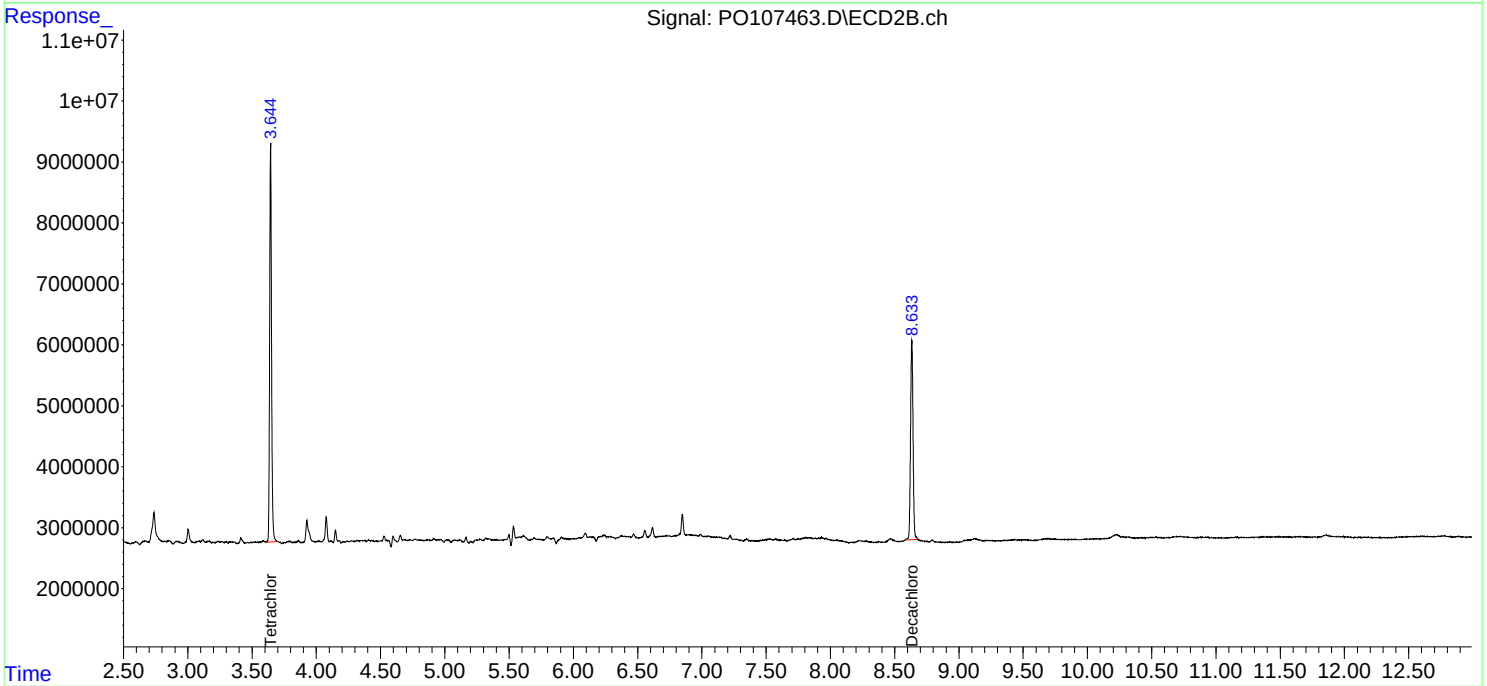
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 01:03
Operator : YP/AJ
Sample : P4578-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

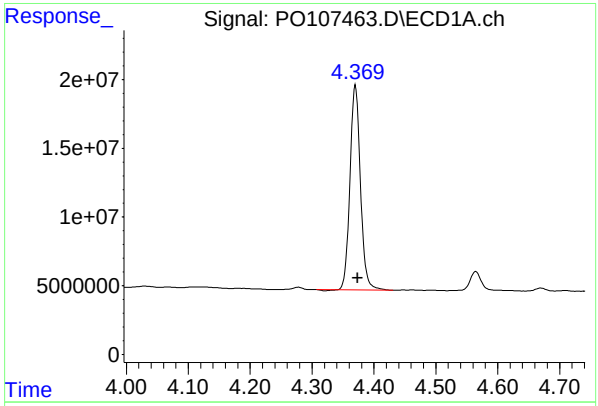
**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-BOT-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 05:16:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



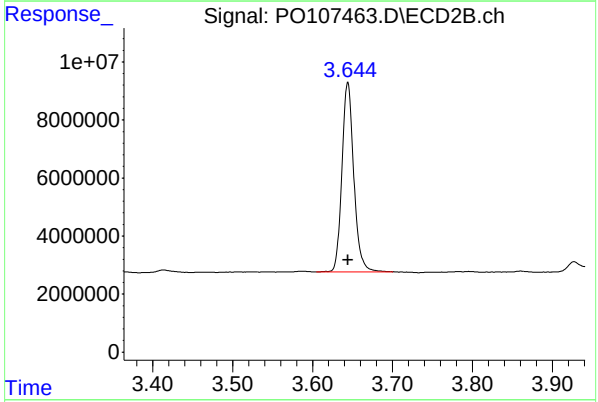






#1 Tetrachloro-m-xylene

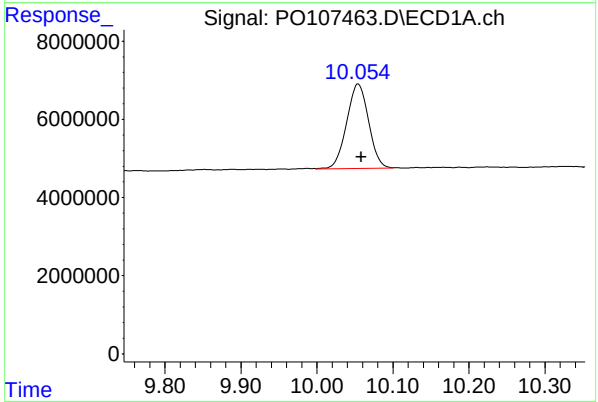
R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 175077856
Conc: 19.21 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
WB-305-BOT-1



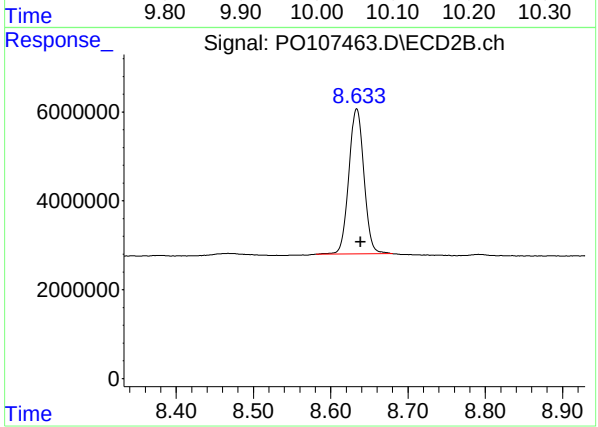

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 67328634
Conc: 20.92 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.054 min
Delta R.T.: -0.004 min
Response: 43378598
Conc: 17.68 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 44074598
Conc: 16.08 ng/ml

# CALIBRATION SUMMARY

Raw Data

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Fax : 908 789 8922

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.42 | 5.62 |
| Aroclor-1016-2 | (2) | 5.54 | 5.55 | 5.55 | 5.54 | 5.54 | 5.54 | 5.44 | 5.64 |
| Aroclor-1016-3 | (3) | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.51 | 5.71 |
| Aroclor-1016-4 | (4) | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.60 | 5.80 |
| Aroclor-1016-5 | (5) | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 5.90 | 6.10 |
| Aroclor-1260-1 | (1) | 7.12 | 7.13 | 7.13 | 7.12 | 7.13 | 7.13 | 7.03 | 7.23 |
| Aroclor-1260-2 | (2) | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.28 | 7.48 |
| Aroclor-1260-3 | (3) | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.64 | 7.84 |
| Aroclor-1260-4 | (4) | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.87 | 8.07 |
| Aroclor-1260-5 | (5) | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.18 | 8.38 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1242-1 | (1) | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.42 | 5.62 |
| Aroclor-1242-2 | (2) | 5.55 | 5.54 | 5.54 | 5.54 | 5.54 | 5.54 | 5.44 | 5.64 |
| Aroclor-1242-3 | (3) | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.51 | 5.71 |
| Aroclor-1242-4 | (4) | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.60 | 5.80 |
| Aroclor-1242-5 | (5) | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.34 | 6.54 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1248-1 | (1) | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.42 | 5.62 |
| Aroclor-1248-2 | (2) | 5.80 | 5.80 | 5.80 | 5.80 | 5.80 | 5.80 | 5.70 | 5.90 |
| Aroclor-1248-3 | (3) | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 5.90 | 6.10 |
| Aroclor-1248-4 | (4) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1248-5 | (5) | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.34 | 6.54 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1254-1 | (1) | 6.37 | 6.37 | 6.38 | 6.37 | 6.38 | 6.37 | 6.27 | 6.47 |
| Aroclor-1254-2 | (2) | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.49 | 6.69 |
| Aroclor-1254-3 | (3) | 6.96 | 6.96 | 6.96 | 6.96 | 6.96 | 6.96 | 6.86 | 7.06 |
| Aroclor-1254-4 | (4) | 7.24 | 7.24 | 7.24 | 7.24 | 7.24 | 7.24 | 7.14 | 7.34 |
| Aroclor-1254-5 | (5) | 7.66 | 7.66 | 7.66 | 7.66 | 7.66 | 7.66 | 7.56 | 7.76 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1268-1 | (1) | 8.59 | 8.59 | 8.59 | 8.59 | 8.59 | 8.59 | 8.49 | 8.69 |
| Aroclor-1268-2 | (2) | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.58 | 8.78 |
| Aroclor-1268-3 | (3) | 8.91 | 8.91 | 8.91 | 8.91 | 8.91 | 8.91 | 8.81 | 9.01 |
| Aroclor-1268-4 | (4) | 9.31 | 9.31 | 9.31 | 9.31 | 9.31 | 9.31 | 9.21 | 9.41 |
| Aroclor-1268-5 | (5) | 9.72 | 9.72 | 9.72 | 9.72 | 9.72 | 9.72 | 9.62 | 9.82 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1016-2 | (2) | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.86 | 5.06 |
| Aroclor-1016-5 | (5) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.11 | 6.31 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.39 | 6.39 | 6.40 | 6.39 | 6.29 | 6.49 |
| Aroclor-1260-3 | (3) | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.45 | 6.65 |
| Aroclor-1260-4 | (4) | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 6.92 | 7.12 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.26 | 7.26 | 7.26 | 7.26 | 7.16 | 7.36 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.64 | 3.64 | 3.65 | 3.64 | 3.64 | 3.64 | 3.54 | 3.74 |
| Aroclor-1242-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1242-2 | (2) | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1242-3 | (3) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1242-4 | (4) | 5.00 | 5.01 | 5.00 | 5.01 | 5.00 | 5.00 | 4.90 | 5.10 |
| Aroclor-1242-5 | (5) | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.43 | 5.63 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.64 | 3.64 | 3.64 | 3.65 | 3.64 | 3.64 | 3.54 | 3.74 |
| Aroclor-1248-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1248-2 | (2) | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.86 | 5.06 |
| Aroclor-1248-3 | (3) | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 4.90 | 5.10 |
| Aroclor-1248-4 | (4) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1248-5 | (5) | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.47 | 5.67 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.64 | 3.64 | 3.64 | 3.64 | 3.64 | 3.64 | 3.54 | 3.74 |
| Aroclor-1254-1 | (1) | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.43 | 5.63 |
| Aroclor-1254-2 | (2) | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1254-3 | (3) | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 5.98 | 6.18 |
| Aroclor-1254-4 | (4) | 6.30 | 6.30 | 6.30 | 6.31 | 6.30 | 6.30 | 6.20 | 6.40 |
| Aroclor-1254-5 | (5) | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.62 | 6.82 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.65 | 3.64 | 3.64 | 3.64 | 3.65 | 3.64 | 3.54 | 3.74 |
| Aroclor-1268-1 | (1) | 7.54 | 7.54 | 7.54 | 7.54 | 7.54 | 7.54 | 7.44 | 7.64 |
| Aroclor-1268-2 | (2) | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.51 | 7.71 |
| Aroclor-1268-3 | (3) | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.71 | 7.91 |
| Aroclor-1268-4 | (4) | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.00 | 8.20 |
| Aroclor-1268-5 | (5) | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.29 | 8.49 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | 3.65 | 3.64 | 3.65 | 3.64 | 3.65 | 3.65 | 3.55 | 3.75 |

Raw Data

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

**CF 500 =** PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 252081604 | 261702867 | 271939076 | 291118488 | 272229420 | 269814291 | 5 |
| Aroclor-1016-2 | (2) | 373760062 | 383028583 | 397887352 | 419075308 | 410673320 | 396884925 | 5 |
| Aroclor-1016-3 | (3) | 234678633 | 244145249 | 256575754 | 276405664 | 244042480 | 251169556 | 6 |
| Aroclor-1016-4 | (4) | 185622493 | 193848624 | 202963902 | 215081552 | 165543020 | 192611918 | 10 |
| Aroclor-1016-5 | (5) | 176326470 | 182141932 | 191487930 | 203514892 | 159796500 | 182653545 | 9 |
| Aroclor-1260-1 | (1) | 238480871 | 246497651 | 259155974 | 277220676 | 271587560 | 258588546 | 6 |
| Aroclor-1260-2 | (2) | 243402558 | 251747185 | 264083512 | 284216460 | 272650860 | 263220115 | 6 |
| Aroclor-1260-3 | (3) | 167353086 | 171560129 | 181491762 | 195138068 | 183182660 | 179745141 | 6 |
| Aroclor-1260-4 | (4) | 162125557 | 166999933 | 175289716 | 187582032 | 185522120 | 175503872 | 6 |
| Aroclor-1260-5 | (5) | 268686175 | 273623828 | 283035894 | 299271412 | 297351500 | 284393762 | 5 |
| Decachlorobiphenyl | | 2362750210 | 2427138920 | 2496479000 | 2603827440 | 2376686800 | 2453376474 | 4 |
| Tetrachloro-m-xylene | | 8902656430 | 9087809293 | 9285762860 | 9548006280 | 8745262400 | 9113899453 | 3 |
| Aroclor-1242-1 | (1) | 207947063 | 205572916 | 222208808 | 238956456 | 243522880 | 223641625 | 8 |
| Aroclor-1242-2 | (2) | 302439626 | 299949616 | 323550412 | 342804408 | 348858880 | 323520588 | 7 |
| Aroclor-1242-3 | (3) | 191912697 | 193178427 | 209638152 | 224306728 | 225847640 | 208976729 | 8 |
| Aroclor-1242-4 | (4) | 150447174 | 145338196 | 162797508 | 173135964 | 168308740 | 160005516 | 7 |
| Aroclor-1242-5 | (5) | 141009343 | 143408436 | 153689098 | 164623016 | 179679780 | 156481935 | 10 |
| Decachlorobiphenyl | | 2339420350 | 2427742867 | 2492700840 | 2551827400 | 2426410200 | 2447620331 | 3 |
| Tetrachloro-m-xylene | | 8860043620 | 8651743680 | 9146784160 | 9504075440 | 9174828800 | 9067495140 | 4 |
| Aroclor-1248-1 | (1) | 155913014 | 164800668 | 175191332 | 184609772 | 188867720 | 173876501 | 8 |
| Aroclor-1248-2 | (2) | 222845576 | 238202488 | 253637968 | 270074056 | 280366620 | 253025342 | 9 |
| Aroclor-1248-3 | (3) | 231904923 | 246233752 | 259706092 | 274388212 | 266197800 | 255686156 | 7 |
| Aroclor-1248-4 | (4) | 237210289 | 246633865 | 260533272 | 272872732 | 271860120 | 257822056 | 6 |
| Aroclor-1248-5 | (5) | 236273499 | 246591072 | 260733536 | 276314120 | 280304600 | 260043365 | 7 |
| Decachlorobiphenyl | | 2339780580 | 2371533013 | 2504089680 | 2566158680 | 2396701200 | 2435652631 | 4 |
| Tetrachloro-m-xylene | | 8719403610 | 9119992693 | 9358904180 | 9492784200 | 8995773400 | 9137371617 | 3 |
| Aroclor-1254-1 | (1) | 246822697 | 256579683 | 264992242 | 286189960 | 289157060 | 268748328 | 7 |
| Aroclor-1254-2 | (2) | 348120894 | 361641555 | 373031238 | 401237980 | 402995760 | 377405485 | 6 |
| Aroclor-1254-3 | (3) | 336293322 | 345653409 | 355909306 | 378498460 | 372630440 | 357796987 | 5 |
| Aroclor-1254-4 | (4) | 213138598 | 220171503 | 227187688 | 242530220 | 244046960 | 229414994 | 6 |
| Aroclor-1254-5 | (5) | 194609638 | 201069208 | 205869028 | 220139672 | 216546640 | 207646837 | 5 |
| Decachlorobiphenyl | | 2357746210 | 2401897693 | 2508594000 | 2601578200 | 2359367400 | 2445836701 | 4 |
| Tetrachloro-m-xylene | | 8883763230 | 9164627320 | 9184369060 | 9508828480 | 8791509400 | 9106619498 | 3 |
| Aroclor-1268-1 | (1) | 351862425 | 352413819 | 364622844 | 381760528 | 369380480 | 364008019 | 3 |

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Fax : 908 789 8922

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 313096403 | 314491445 | 324862806 | 339637696 | 320299560 | 322477582 | 3 |
| Aroclor-1268-3 | (3) | 272236453 | 272760276 | 282620036 | 293538700 | 275661940 | 279363481 | 3 |
| Aroclor-1268-4 | (4) | 112236308 | 111261111 | 114714594 | 116428084 | 101458340 | 111219687 | 5 |
| Aroclor-1268-5 | (5) | 836674479 | 833098204 | 847063314 | 864357444 | 781067560 | 832452200 | 4 |
| Decachlorobiphenyl | | 4074190590 | 4136234160 | 4241958160 | 4399826360 | 4004084600 | 4171258774 | 4 |
| Tetrachloro-m-xylene | | 9139601460 | 8935957933 | 9311606620 | 9495189880 | 8951901000 | 9166851379 | 3 |

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Alliance TECHNICAL GROUP

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

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

**CF 500 =** PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 98519363 | 99934743 | 102532802 | 106601384 | 108740020 | 103265662 | 4 |
| Aroclor-1016-2 | (2) | 140533795 | 142751421 | 144315942 | 146877552 | 130360060 | 140967754 | 5 |
| Aroclor-1016-3 | (3) | 75819146 | 77111448 | 78799028 | 81783348 | 80215260 | 78745646 | 3 |
| Aroclor-1016-4 | (4) | 61532960 | 63413097 | 65607722 | 69564368 | 70423600 | 66108349 | 6 |
| Aroclor-1016-5 | (5) | 78878086 | 80970861 | 83522668 | 86940988 | 80356660 | 82133853 | 4 |
| Aroclor-1260-1 | (1) | 150450531 | 152030172 | 155131756 | 161942364 | 156218200 | 155154605 | 3 |
| Aroclor-1260-2 | (2) | 173752920 | 181526657 | 184104290 | 189736236 | 151457920 | 176115605 | 8 |
| Aroclor-1260-3 | (3) | 168454604 | 170292340 | 172108108 | 175991544 | 151894120 | 167748143 | 6 |
| Aroclor-1260-4 | (4) | 143637024 | 144895129 | 147115166 | 150514212 | 137242140 | 144680734 | 3 |
| Aroclor-1260-5 | (5) | 340738400 | 339782780 | 336796716 | 340391952 | 289493480 | 329440666 | 7 |
| Decachlorobiphenyl | | 2730622670 | 2745732653 | 2784792900 | 2852828640 | 2594005000 | 2741596373 | 3 |
| Tetrachloro-m-xylene | | 3312014480 | 3338472613 | 3349065240 | 3230716080 | 2862214000 | 3218496483 | 6 |
| Aroclor-1242-1 | (1) | 80390662 | 80447493 | 83937762 | 87266896 | 86674240 | 83743411 | 4 |
| Aroclor-1242-2 | (2) | 114487494 | 111266404 | 117741916 | 120667112 | 114031640 | 115638913 | 3 |
| Aroclor-1242-3 | (3) | 61817452 | 60461905 | 64396992 | 66865868 | 63624080 | 63433259 | 4 |
| Aroclor-1242-4 | (4) | 60582529 | 60636219 | 64384594 | 68045260 | 66598220 | 64049364 | 5 |
| Aroclor-1242-5 | (5) | 73763103 | 75675432 | 77215916 | 80736528 | 80226620 | 77523520 | 4 |
| Decachlorobiphenyl | | 2686985320 | 2764418280 | 2764436780 | 2798541920 | 2665265400 | 2735929540 | 2 |
| Tetrachloro-m-xylene | | 3315724680 | 3241948653 | 3341198040 | 3335574400 | 2920075400 | 3230904235 | 6 |
| Aroclor-1248-1 | (1) | 60218805 | 63038185 | 64879120 | 66667236 | 62402400 | 63441149 | 4 |
| Aroclor-1248-2 | (2) | 85173308 | 89108361 | 93061950 | 96541480 | 93540340 | 91485088 | 5 |
| Aroclor-1248-3 | (3) | 89257070 | 93226611 | 97377878 | 100891904 | 96212540 | 95393201 | 5 |
| Aroclor-1248-4 | (4) | 105934439 | 110533117 | 114760412 | 117772688 | 111691080 | 112138347 | 4 |
| Aroclor-1248-5 | (5) | 102828085 | 105359652 | 109801380 | 114217964 | 119140640 | 110269544 | 6 |
| Decachlorobiphenyl | | 2669365810 | 2682497173 | 2791873700 | 2836714480 | 2679938000 | 2732077833 | 3 |
| Tetrachloro-m-xylene | | 3278417600 | 3389239440 | 3425836480 | 3362184040 | 2965722400 | 3284279992 | 6 |
| Aroclor-1254-1 | (1) | 159855276 | 163854537 | 165548332 | 171717704 | 162964860 | 164788142 | 3 |
| Aroclor-1254-2 | (2) | 138468840 | 142269335 | 144546922 | 151325972 | 148203140 | 144962842 | 3 |
| Aroclor-1254-3 | (3) | 227061110 | 231385951 | 232213406 | 238575248 | 218867080 | 229620559 | 3 |
| Aroclor-1254-4 | (4) | 128242906 | 130249965 | 131325350 | 135207044 | 122091880 | 129423429 | 4 |
| Aroclor-1254-5 | (5) | 191904554 | 195153152 | 195378104 | 201188864 | 171636600 | 191052255 | 6 |
| Decachlorobiphenyl | | 2726927150 | 2738190720 | 2773447120 | 2836815760 | 2598739800 | 2734824110 | 3 |
| Tetrachloro-m-xylene | | 3347799560 | 3397335627 | 3354246660 | 3362236280 | 2930639600 | 3278451545 | 6 |
| Aroclor-1268-1 | (1) | 419191400 | 409991492 | 413863584 | 410849472 | 368955300 | 404570250 | 5 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 389672996 | 380096764 | 383518208 | 378699872 | 334345600 | 373266688 | 6 |
| Aroclor-1268-3 | (3) | 345284332 | 337828173 | 339535756 | 338755760 | 307004380 | 333681680 | 5 |
| Aroclor-1268-4 | (4) | 129107993 | 127445005 | 127285362 | 129260796 | 113749480 | 125369727 | 5 |
| Aroclor-1268-5 | (5) | 1049237500 | 1019311260 | 1017080130 | 996315476 | 856840280 | 987756929 | 8 |
| Decachlorobiphenyl | | 4873889790 | 4739451973 | 4823511780 | 4890043960 | 4430545400 | 4751488581 | 4 |
| Tetrachloro-m-xylene | | 3440286630 | 3329771373 | 3416104800 | 3331345720 | 2963806400 | 3296262985 | 6 |

Raw Data

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

**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 | 4.57 | 4.47 | 4.67 | 110010000 |
| | | 2 | 4.66 | 4.56 | 4.76 | 78836600 |
| | | 3 | 4.73 | 4.63 | 4.83 | 234100000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.73 | 4.63 | 4.83 | 195844000 |
| | | 2 | 5.26 | 5.16 | 5.36 | 103025000 |
| | | 3 | 5.54 | 5.44 | 5.64 | 179001000 |
| | | 4 | 5.70 | 5.60 | 5.80 | 90165400 |
| | | 5 | 5.80 | 5.70 | 5.90 | 65903200 |
| Aroclor-1262 | 500 | 1 | 7.74 | 7.64 | 7.84 | 245548000 |
| | | 2 | 8.28 | 8.18 | 8.38 | 309420000 |
| | | 3 | 8.59 | 8.49 | 8.69 | 209196000 |
| | | 4 | 8.68 | 8.58 | 8.78 | 163066000 |
| | | 5 | 9.32 | 9.22 | 9.42 | 102764000 |

Raw Data

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

**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 | 3.86 | 3.76 | 3.96 | 34895600 |
| | | 2 | 3.94 | 3.84 | 4.04 | 26624800 |
| | | 3 | 4.02 | 3.92 | 4.12 | 81218600 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.02 | 3.92 | 4.12 | 67327000 |
| | | 2 | 4.75 | 4.65 | 4.85 | 63205200 |
| | | 3 | 4.92 | 4.82 | 5.02 | 34475000 |
| | | 4 | 5.00 | 4.90 | 5.10 | 31466000 |
| | | 5 | 5.18 | 5.08 | 5.28 | 33083400 |
| Aroclor-1262 | 500 | 1 | 6.76 | 6.66 | 6.86 | 212876000 |
| | | 2 | 7.26 | 7.16 | 7.36 | 363332000 |
| | | 3 | 7.54 | 7.44 | 7.64 | 137384000 |
| | | 4 | 7.61 | 7.51 | 7.71 | 264574000 |
| | | 5 | 8.10 | 8.00 | 8.20 | 112833000 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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... | 4.372 | 3.644 | 890.3E6 | 331.2E6 | 95.874 | 98.894 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 236.3E6 | 273.1E6 | 94.643 | 98.055 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.521 | 4.726 | 252.1E6 | 98519363 | 926.978 | 960.857 |
| 4) | L1 AR-1016-2 | 5.544 | 4.745 | 373.8E6 | 140.5E6 | 939.362 | 973.793 |
| 5) | L1 AR-1016-3 | 5.606 | 4.921 | 234.7E6 | 75819146 | 914.656 | 962.184 |
| 6) | L1 AR-1016-4 | 5.703 | 4.962 | 185.6E6 | 61532960 | 914.559 | 937.892 |
| 7) | L1 AR-1016-5 | 5.998 | 5.175 | 176.3E6 | 78878086 | 920.823 | 944.391 |
| 31) | L7 AR-1260-1 | 7.124 | 6.207 | 238.5E6 | 150.5E6 | 920.221 | 969.824 |
| 32) | L7 AR-1260-2 | 7.381 | 6.393 | 243.4E6 | 173.8E6 | 921.688 | 943.774 |
| 33) | L7 AR-1260-3 | 7.743 | 6.547 | 167.4E6 | 168.5E6 | 922.097 | 978.772 |
| 34) | L7 AR-1260-4 | 7.967 | 7.018 | 162.1E6 | 143.6E6 | 924.901 | 976.358 |
| 35) | L7 AR-1260-5 | 8.281 | 7.258 | 268.7E6 | 340.7E6 | 949.301 | 1011.703 |

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

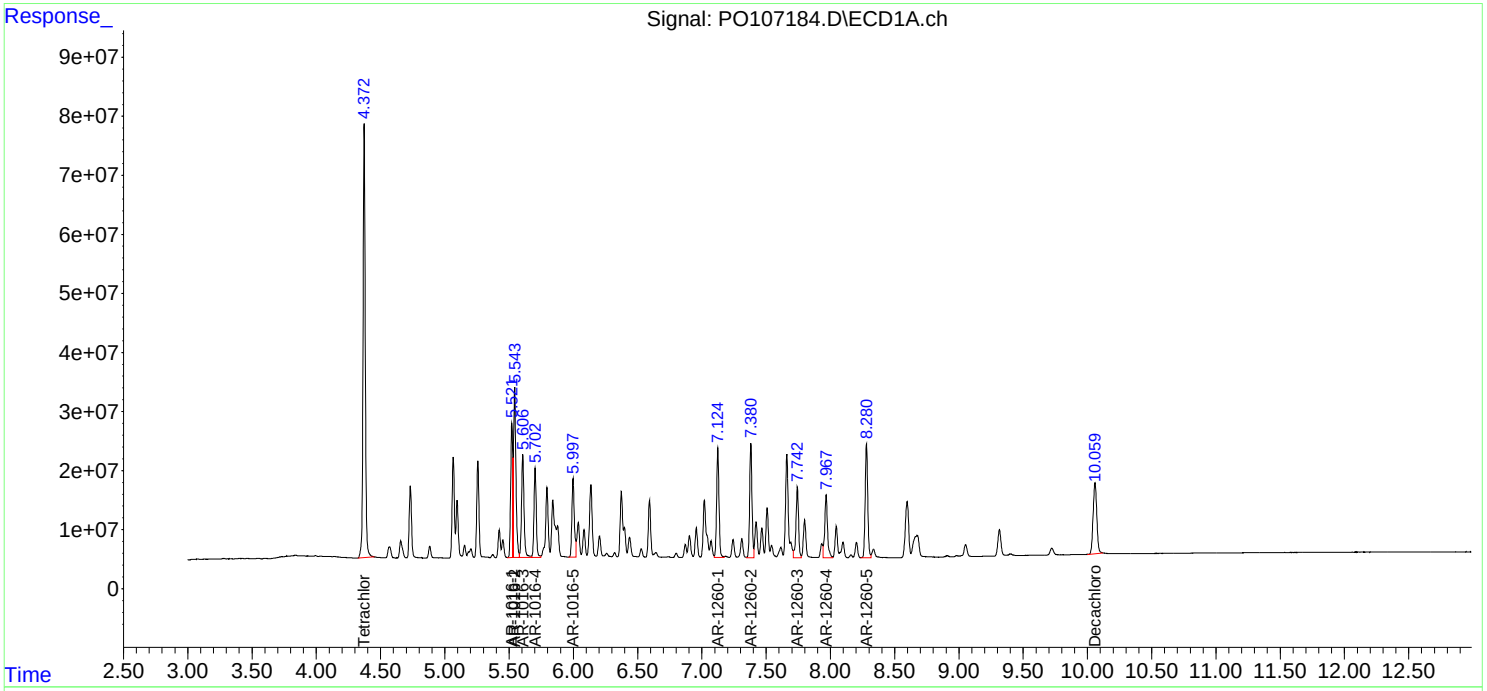
ICAL Form

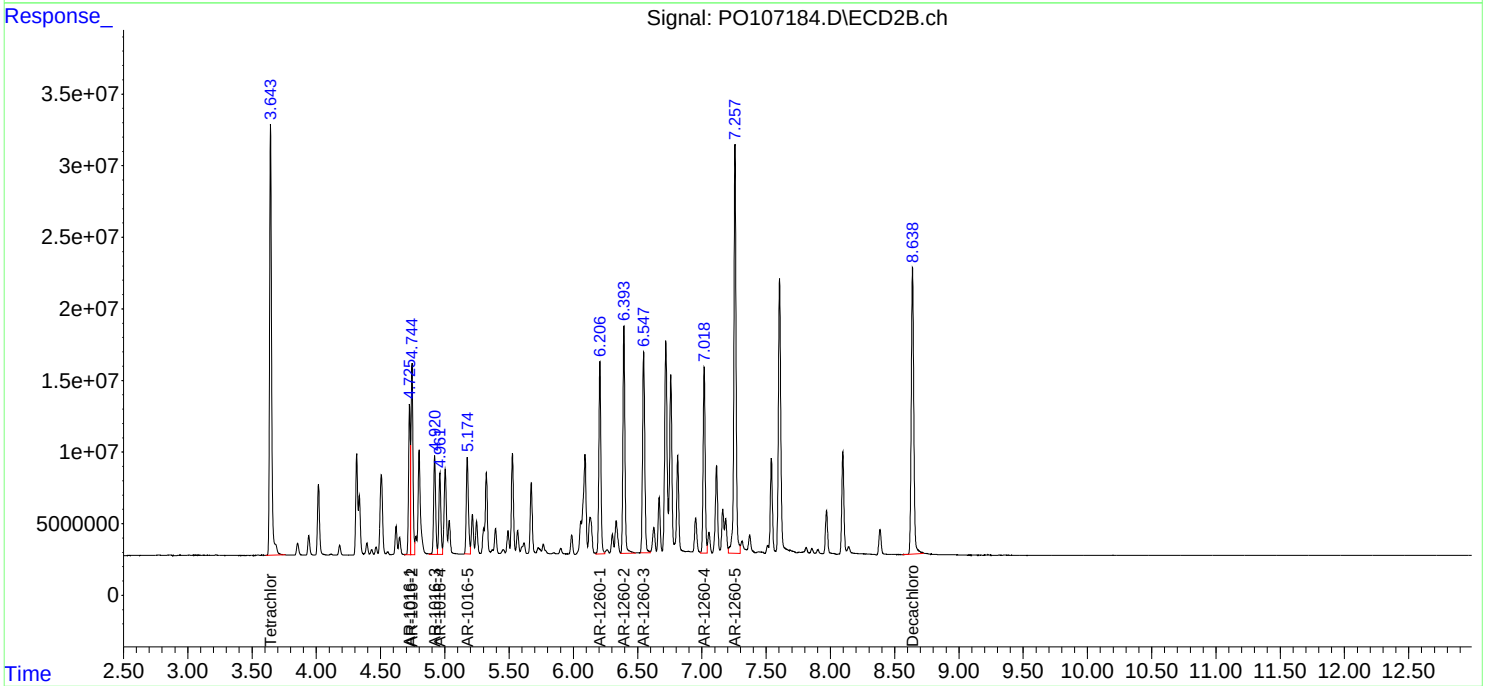
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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... | 4.374 | 3.644 | 681.6E6 | 250.4E6 | 73.401 | 74.763 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 182.0E6 | 205.9E6 | 72.917 | 73.948 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.523 | 4.726 | 196.3E6 | 74951057 | 721.769 | 730.996 |
| 4) | L1 AR-1016-2 | 5.545 | 4.745 | 287.3E6 | 107.1E6 | 721.992 | 741.869 |
| 5) | L1 AR-1016-3 | 5.607 | 4.921 | 183.1E6 | 57833586 | 713.664 | 733.938 |
| 6) | L1 AR-1016-4 | 5.704 | 4.962 | 145.4E6 | 47559823 | 716.317 | 724.912 |
| 7) | L1 AR-1016-5 | 5.999 | 5.176 | 136.6E6 | 60728146 | 713.395 | 727.086 |
| 31) | L7 AR-1260-1 | 7.125 | 6.207 | 184.9E6 | 114.0E6 | 713.367 | 735.005 |
| 32) | L7 AR-1260-2 | 7.382 | 6.394 | 188.8E6 | 136.1E6 | 714.965 | 739.499 |
| 33) | L7 AR-1260-3 | 7.743 | 6.548 | 128.7E6 | 127.7E6 | 708.958 | 742.087 |
| 34) | L7 AR-1260-4 | 7.968 | 7.018 | 125.2E6 | 108.7E6 | 714.531 | 738.682 |
| 35) | L7 AR-1260-5 | 8.281 | 7.258 | 205.2E6 | 254.8E6 | 725.060 | 756.650 |

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

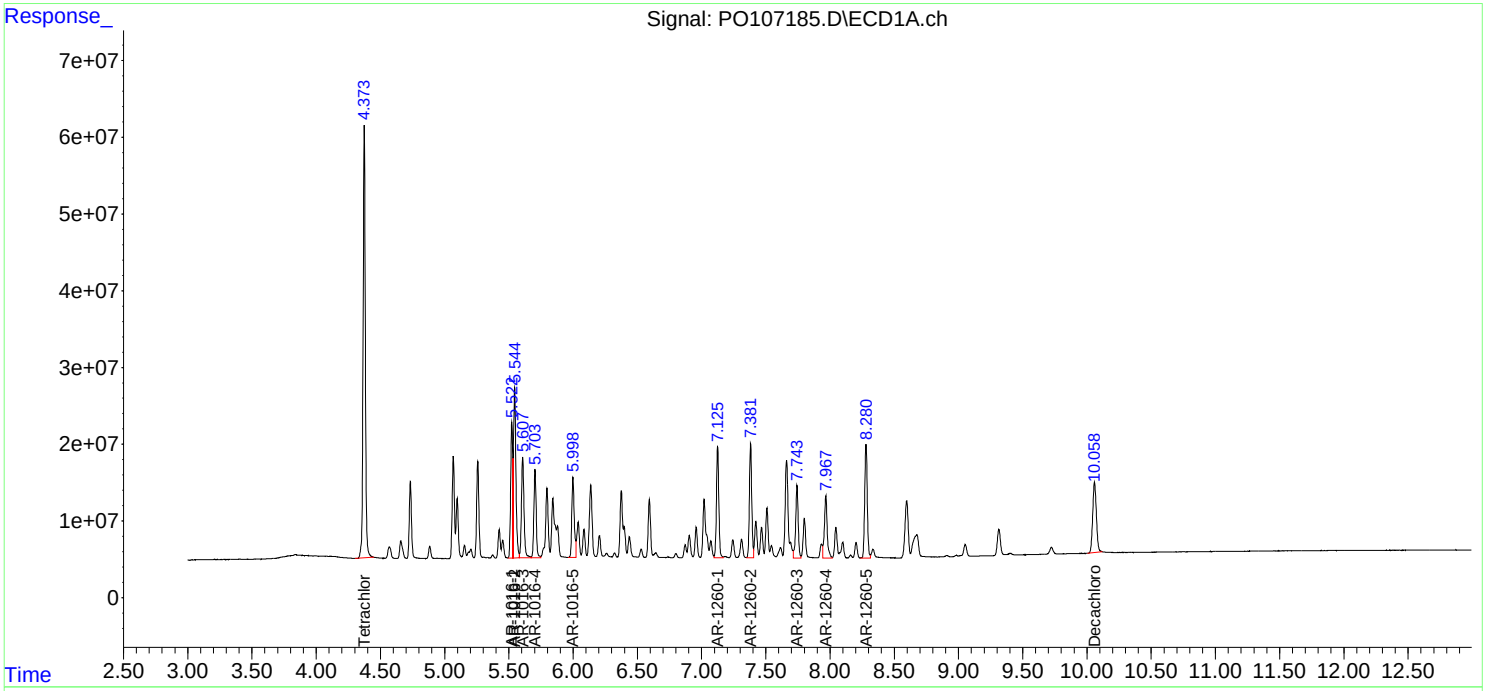
ICAL Form

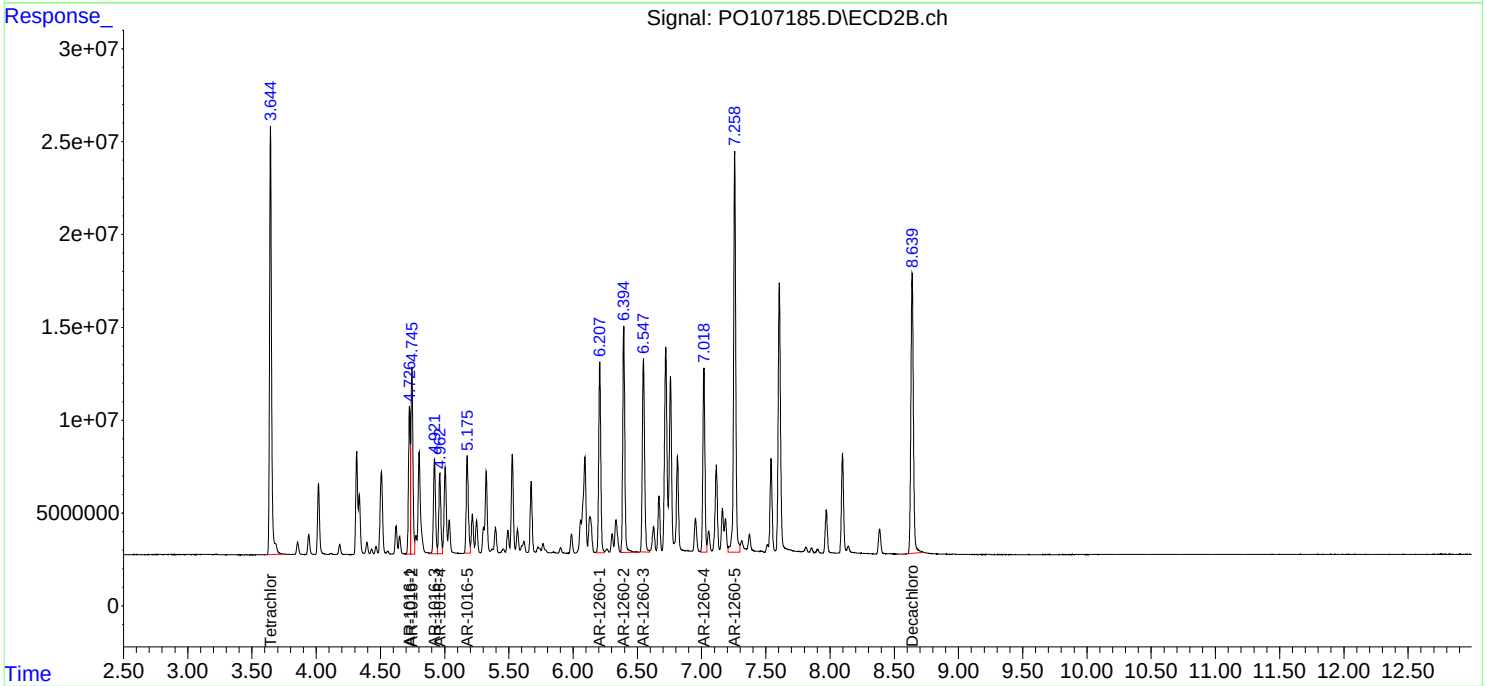
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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... | 4.374 | 3.645 | 464.3E6 | 167.5E6 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.058 | 8.639 | 124.8E6 | 139.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.523 | 4.726 | 136.0E6 | 51266401 | 500.000 | 500.000 |
| 4) L1 | AR-1016-2 | 5.545 | 4.745 | 198.9E6 | 72157971 | 500.000 | 500.000 |
| 5) L1 | AR-1016-3 | 5.607 | 4.921 | 128.3E6 | 39399514 | 500.000 | 500.000 |
| 6) L1 | AR-1016-4 | 5.704 | 4.962 | 101.5E6 | 32803861 | 500.000 | 500.000 |
| 7) L1 | AR-1016-5 | 5.999 | 5.176 | 95743965 | 41761334 | 500.000 | 500.000 |
| 31) L7 | AR-1260-1 | 7.126 | 6.207 | 129.6E6 | 77565878 | 500.000 | 500.000 |
| 32) L7 | AR-1260-2 | 7.382 | 6.394 | 132.0E6 | 92052145 | 500.000 | 500.000 |
| 33) L7 | AR-1260-3 | 7.743 | 6.548 | 90745881 | 86054054 | 500.000 | 500.000 |
| 34) L7 | AR-1260-4 | 7.968 | 7.018 | 87644858 | 73557583 | 500.000 | 500.000 |
| 35) L7 | AR-1260-5 | 8.281 | 7.259 | 141.5E6 | 168.4E6 | 500.000 | 500.000 |

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

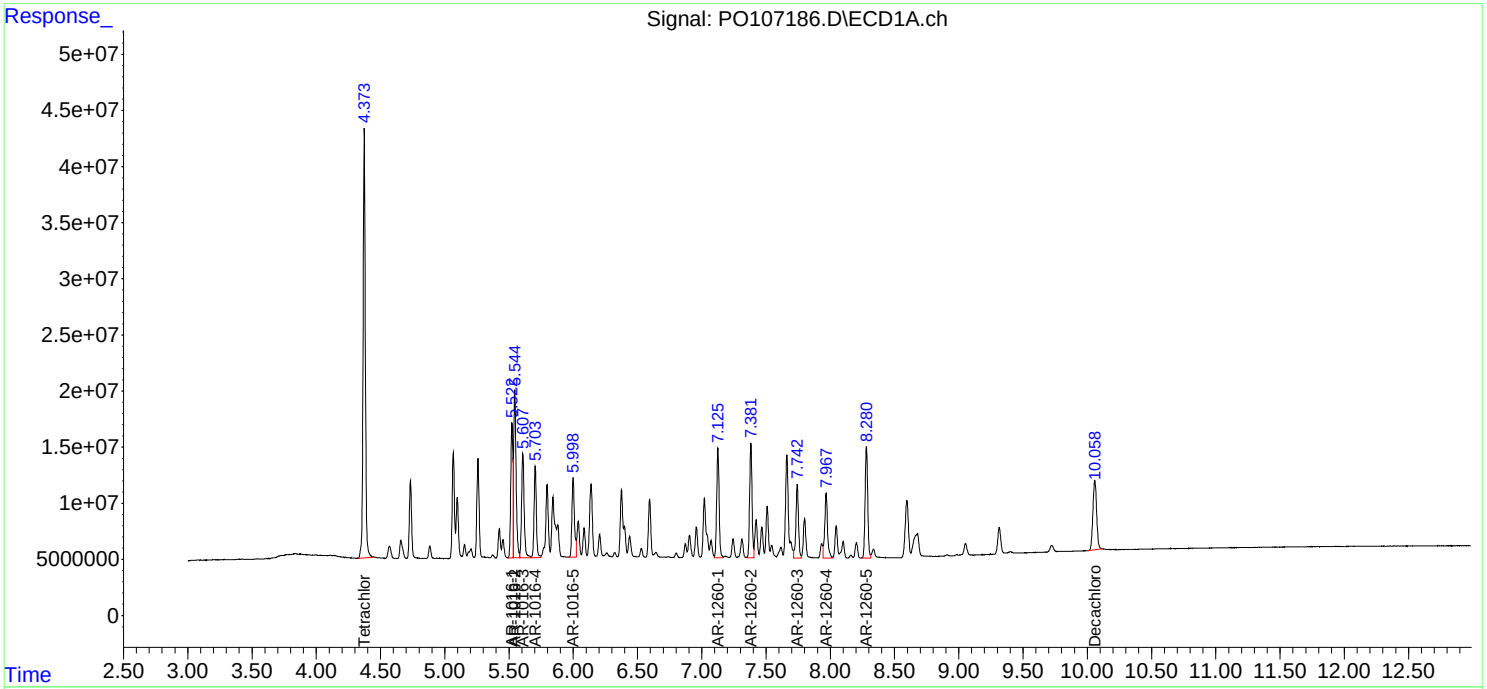
ICAL Form

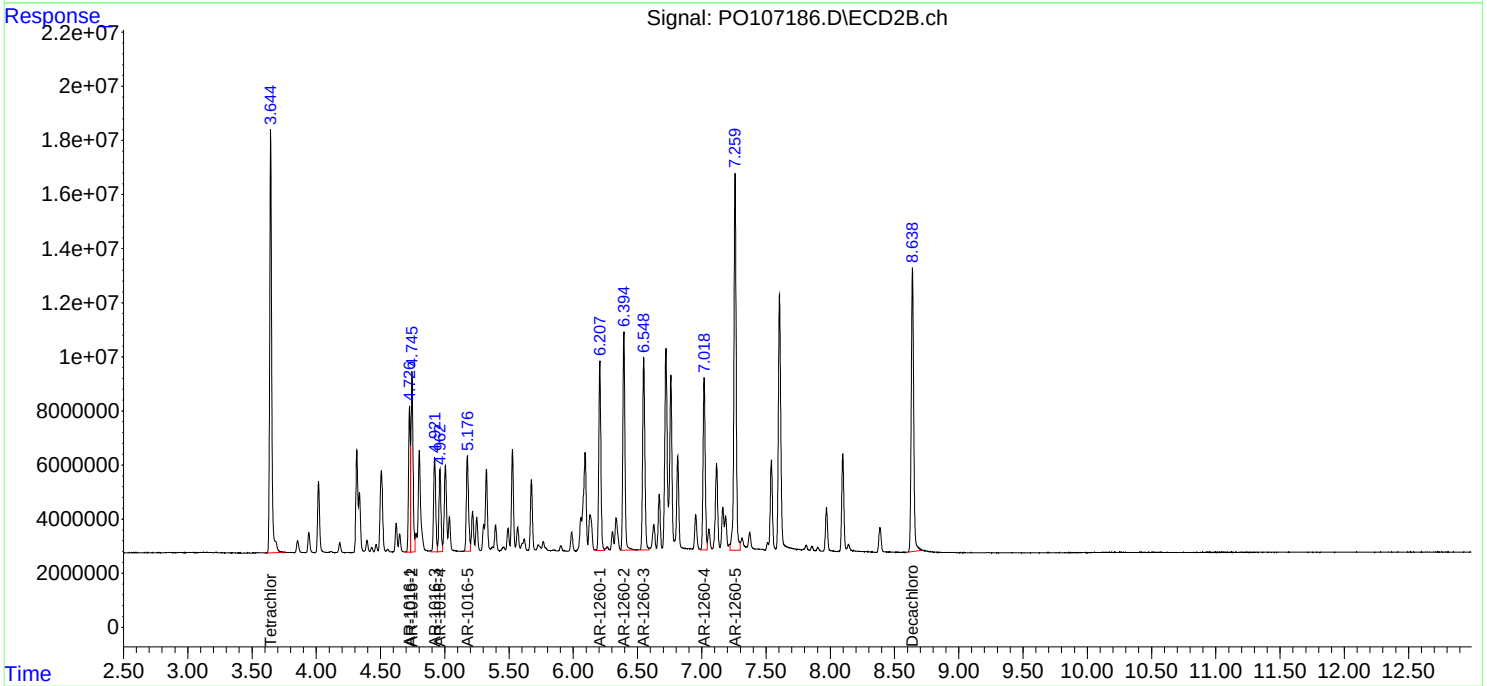
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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... | 4.373 | 3.644 | 238.7E6 | 80767902 | 25.706 | 24.117 |
| 2) | SA Decachlor... | 10.059 | 8.640 | 65095686 | 71320716 | 26.075 | 25.611 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.522 | 4.727 | 72779622 | 26650346 | 267.632 | 259.920 |
| 4) | L1 AR-1016-2 | 5.544 | 4.746 | 104.8E6 | 36719388 | 263.313 | 254.438 |
| 5) | L1 AR-1016-3 | 5.606 | 4.921 | 69101416 | 20445837 | 269.322 | 259.468 |
| 6) | L1 AR-1016-4 | 5.704 | 4.962 | 53770388 | 17391092 | 264.926 | 265.077 |
| 7) | L1 AR-1016-5 | 5.998 | 5.176 | 50878723 | 21735247 | 265.702 | 260.232 |
| 31) | L7 AR-1260-1 | 7.124 | 6.207 | 69305169 | 40485591 | 267.426 | 260.976 |
| 32) | L7 AR-1260-2 | 7.381 | 6.394 | 71054115 | 47434059 | 269.059 | 257.648 |
| 33) | L7 AR-1260-3 | 7.743 | 6.548 | 48784517 | 43997886 | 268.797 | 255.641 |
| 34) | L7 AR-1260-4 | 7.966 | 7.018 | 46895508 | 37628553 | 267.531 | 255.776 |
| 35) | L7 AR-1260-5 | 8.281 | 7.259 | 74817853 | 85097988 | 264.341 | 252.669 |

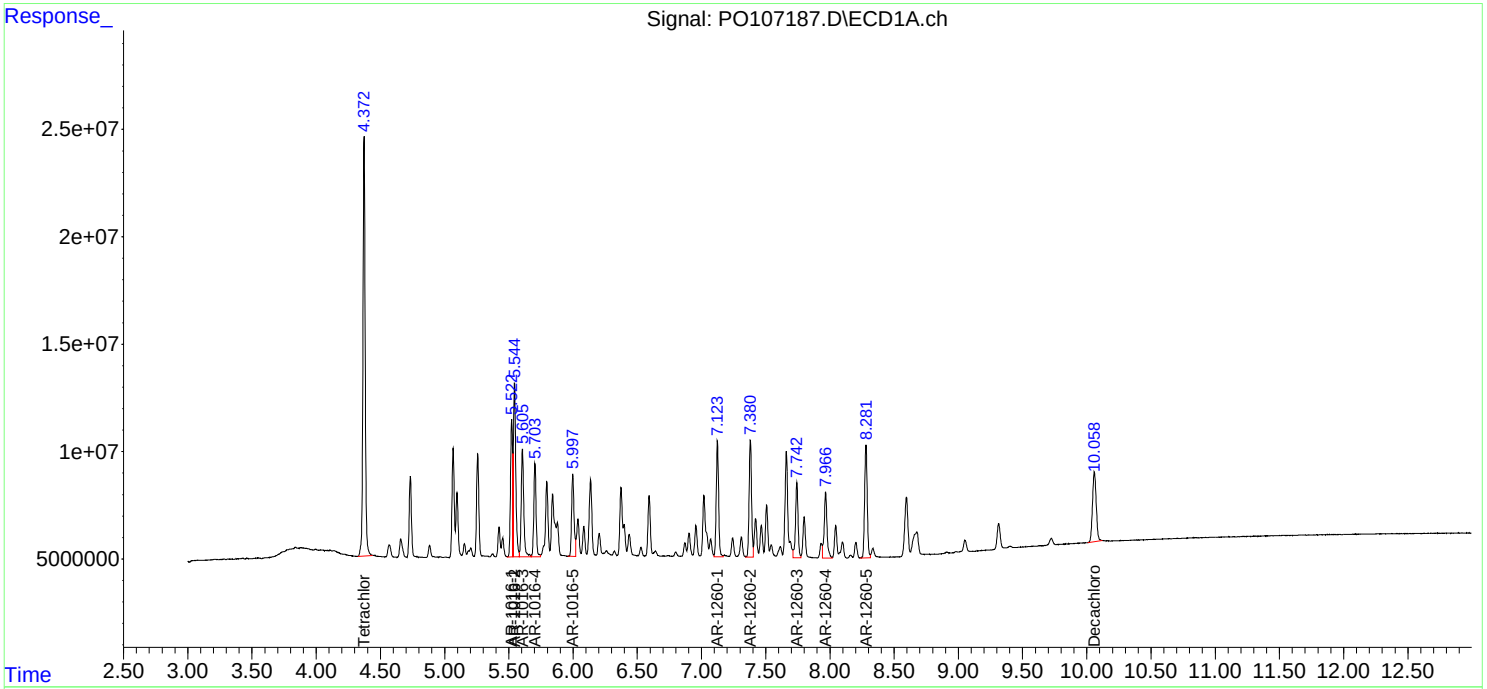
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

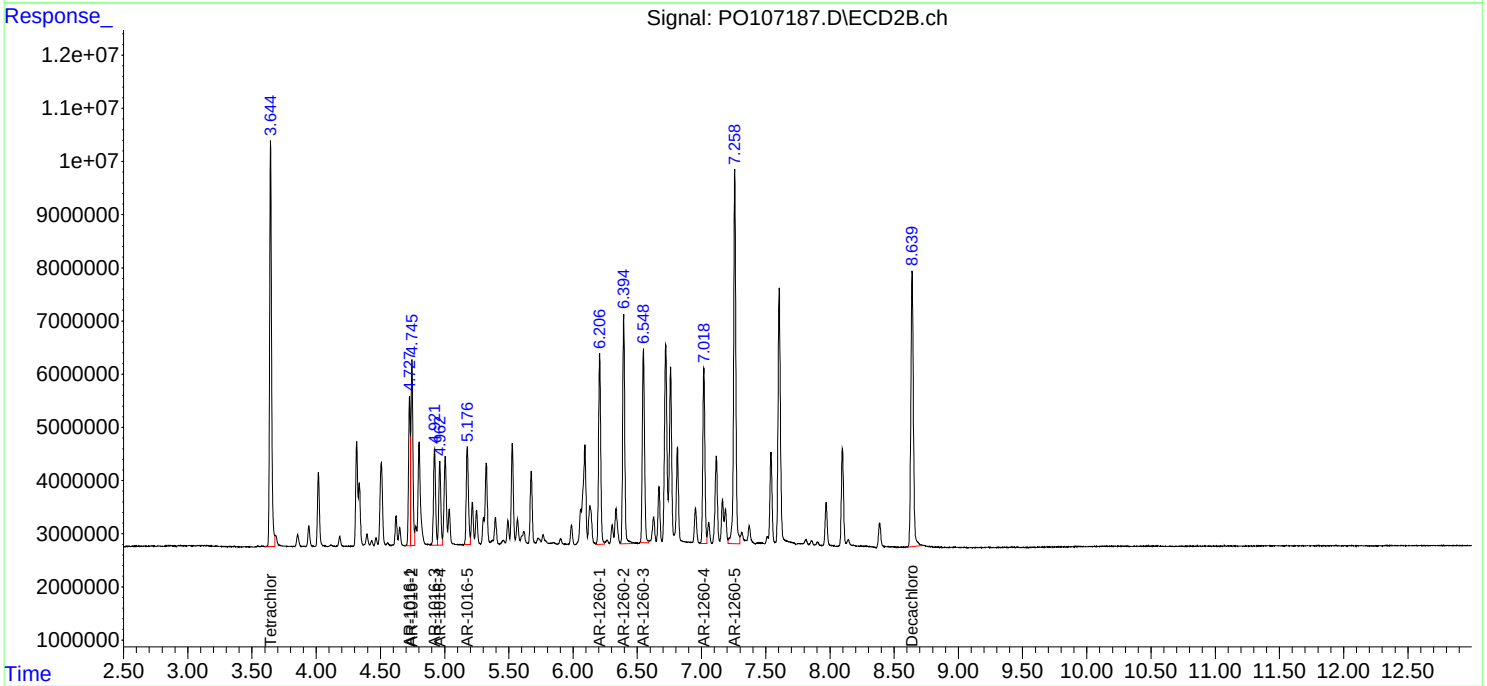
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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... | 4.374 | 3.644 | 43726312 | 14311070 | 4.709 | 4.273 |
| 2) | SA Decachlor... | 10.060 | 8.639 | 11883434 | 12970025 | 4.760 | 4.657m |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.523 | 4.727 | 13611471 | 5437001 | 50.053 | 53.027 |
| 4) | L1 AR-1016-2 | 5.544 | 4.745 | 20533666 | 6518003 | 51.607 | 45.165 |
| 5) | L1 AR-1016-3 | 5.607 | 4.922 | 12202124 | 4010763 | 47.558 | 50.899 |
| 6) | L1 AR-1016-4 | 5.704 | 4.963 | 8277151 | 3521180 | 40.781 | 53.670 # |
| 7) | L1 AR-1016-5 | 5.999 | 5.176 | 7989825 | 4017833 | 41.725 | 48.105 |
| 31) | L7 AR-1260-1 | 7.125 | 6.207 | 13579378 | 7810910 | 52.398 | 50.350m |
| 32) | L7 AR-1260-2 | 7.380 | 6.395 | 13632543 | 7572896 | 51.622m | 41.134m |
| 33) | L7 AR-1260-3 | 7.743 | 6.548 | 9159133 | 7594706 | 50.466m | 44.128m |
| 34) | L7 AR-1260-4 | 7.967 | 7.019 | 9276106 | 6862107 | 52.919 | 46.644m |
| 35) | L7 AR-1260-5 | 8.280 | 7.258 | 14867575 | 14474674 | 52.529m | 42.977m |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

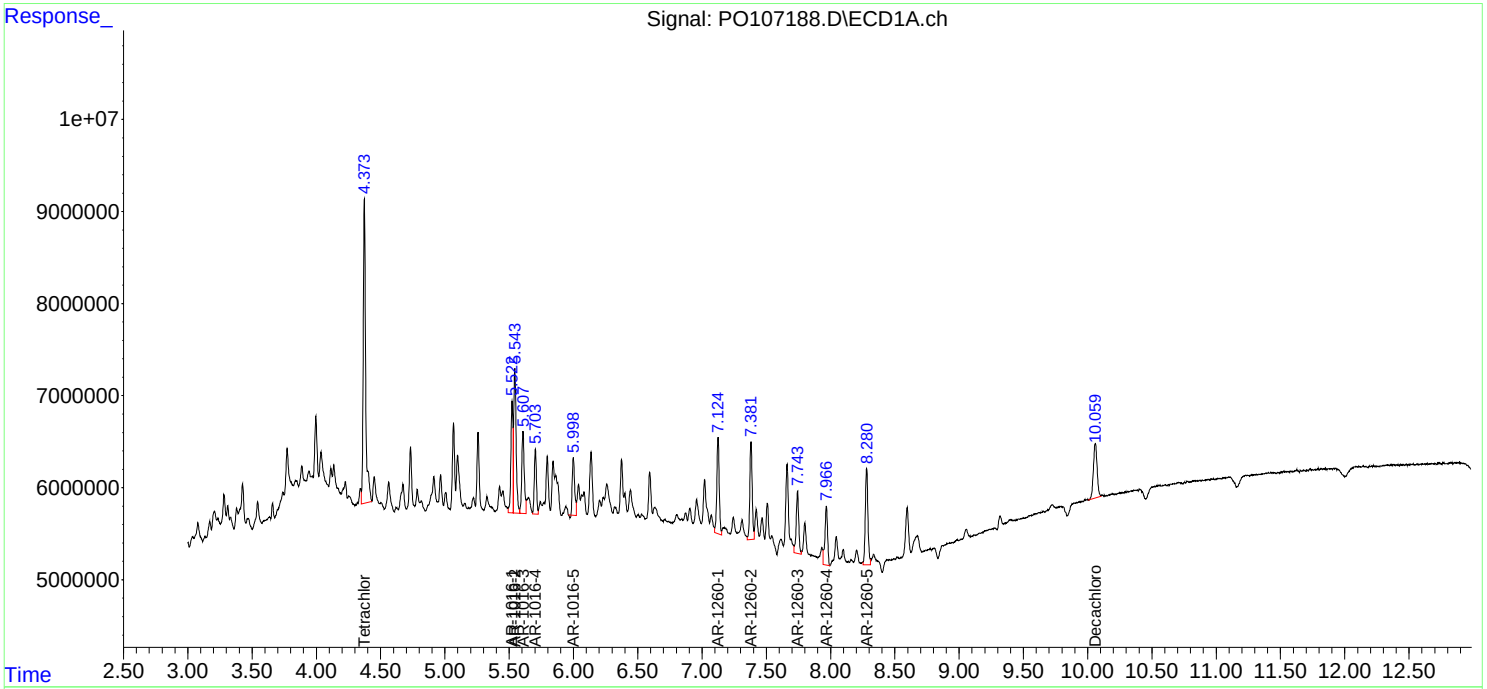
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

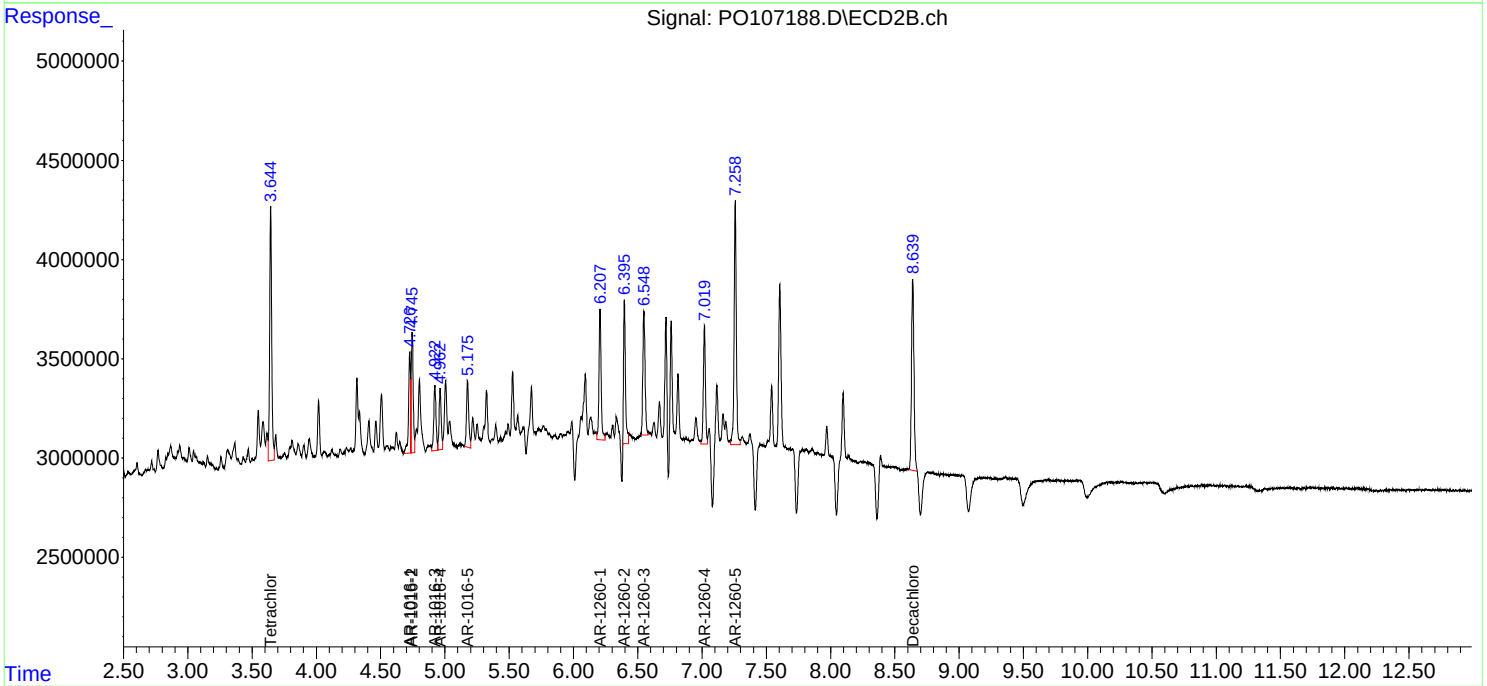
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 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... | 4.373 | 3.644 | 449.1E6 | 154.1E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.060 | 8.639 | 121.6E6 | 134.8E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.573 | 3.856 | 55004944 | 17447760 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 4.658 | 3.942 | 39418330 | 13312448 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 4.733 | 4.018 | 117.0E6 | 40609299 | 500.000 | 500.000 |

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

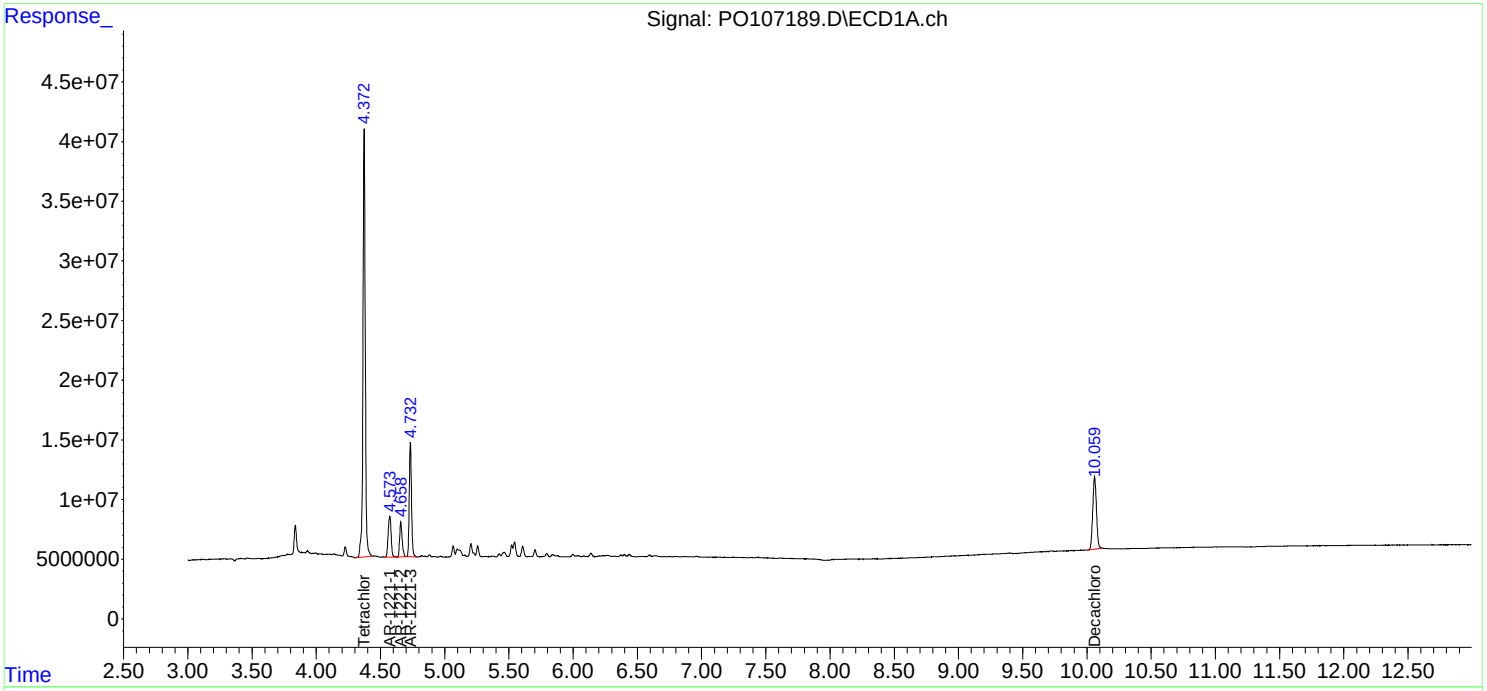
ICAL Form

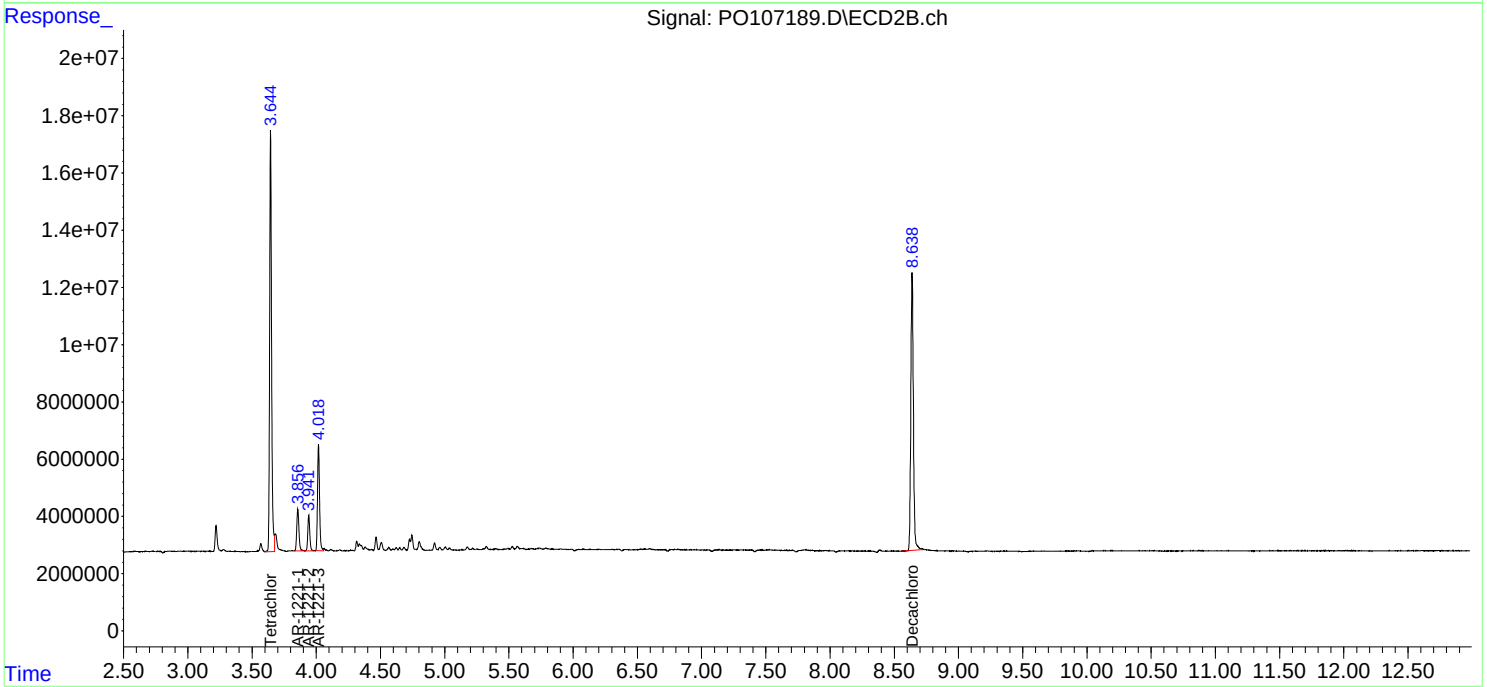
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 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... | 4.373 | 3.644 | 454.2E6 | 157.5E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 121.6E6 | 135.6E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.733 | 4.017 | 97921824 | 33663502 | 500.000 | 500.000 |
| 12) | L3 AR-1232-2 | 5.258 | 4.745 | 51512576 | 31602645 | 500.000 | 500.000 |
| 13) | L3 AR-1232-3 | 5.544 | 4.921 | 89500289 | 17237464 | 500.000 | 500.000 |
| 14) | L3 AR-1232-4 | 5.704 | 5.004 | 45082743 | 15732978 | 500.000 | 500.000 |
| 15) | L3 AR-1232-5 | 5.796 | 5.176 | 32951614 | 16541659 | 500.000 | 500.000 |

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

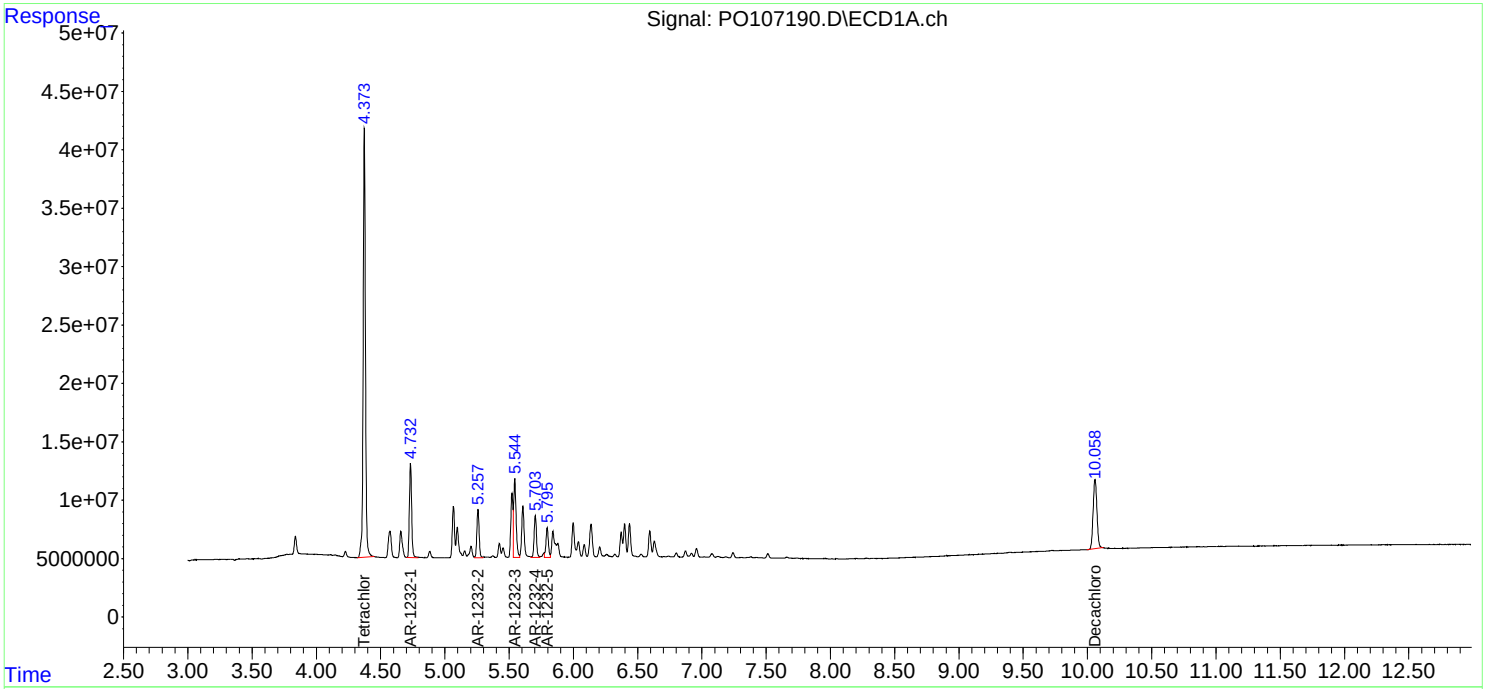
ICAL Form

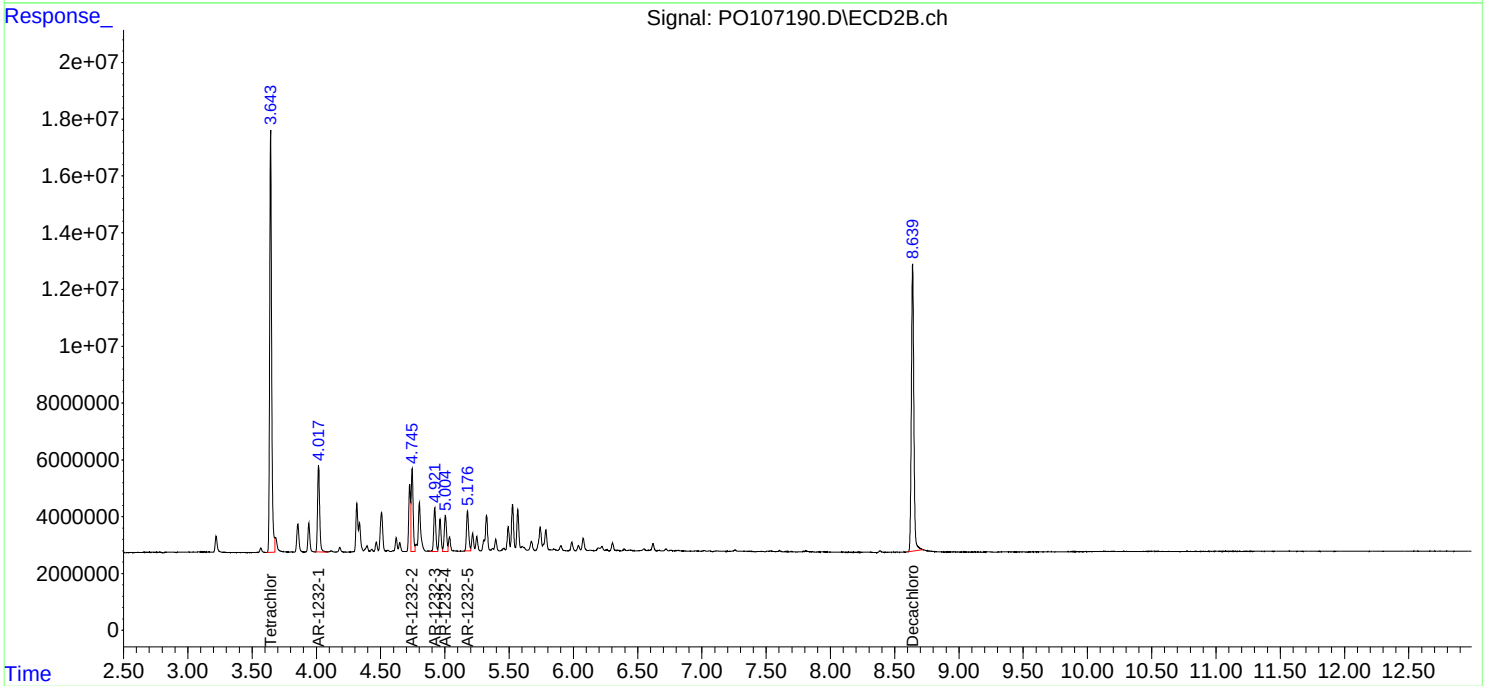
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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... | 4.373 | 3.644 | 886.0E6 | 331.6E6 | 96.865 | 99.238 |
| 2) | SA Decachlor... | 10.061 | 8.638 | 233.9E6 | 268.7E6 | 93.851 | 97.198 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.726 | 207.9E6 | 80390662 | 935.818 | 957.741 |
| 17) | L4 AR-1242-2 | 5.545 | 4.745 | 302.4E6 | 114.5E6 | 934.753 | 972.360 |
| 18) | L4 AR-1242-3 | 5.607 | 4.921 | 191.9E6 | 61817452 | 915.447 | 959.943 |
| 19) | L4 AR-1242-4 | 5.704 | 5.004 | 150.4E6 | 60582529 | 924.137 | 940.948 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 141.0E6 | 73763103 | 917.497 | 955.284 |

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

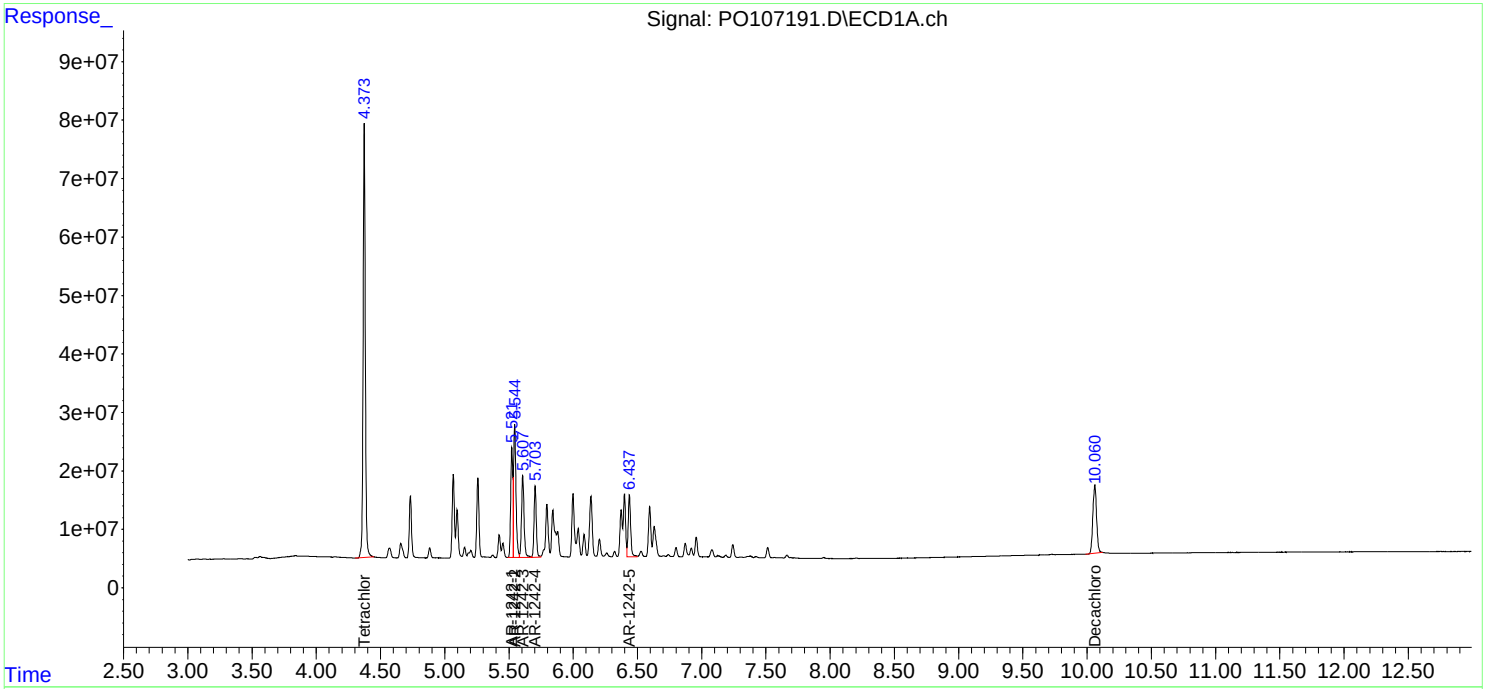
ICAL Form

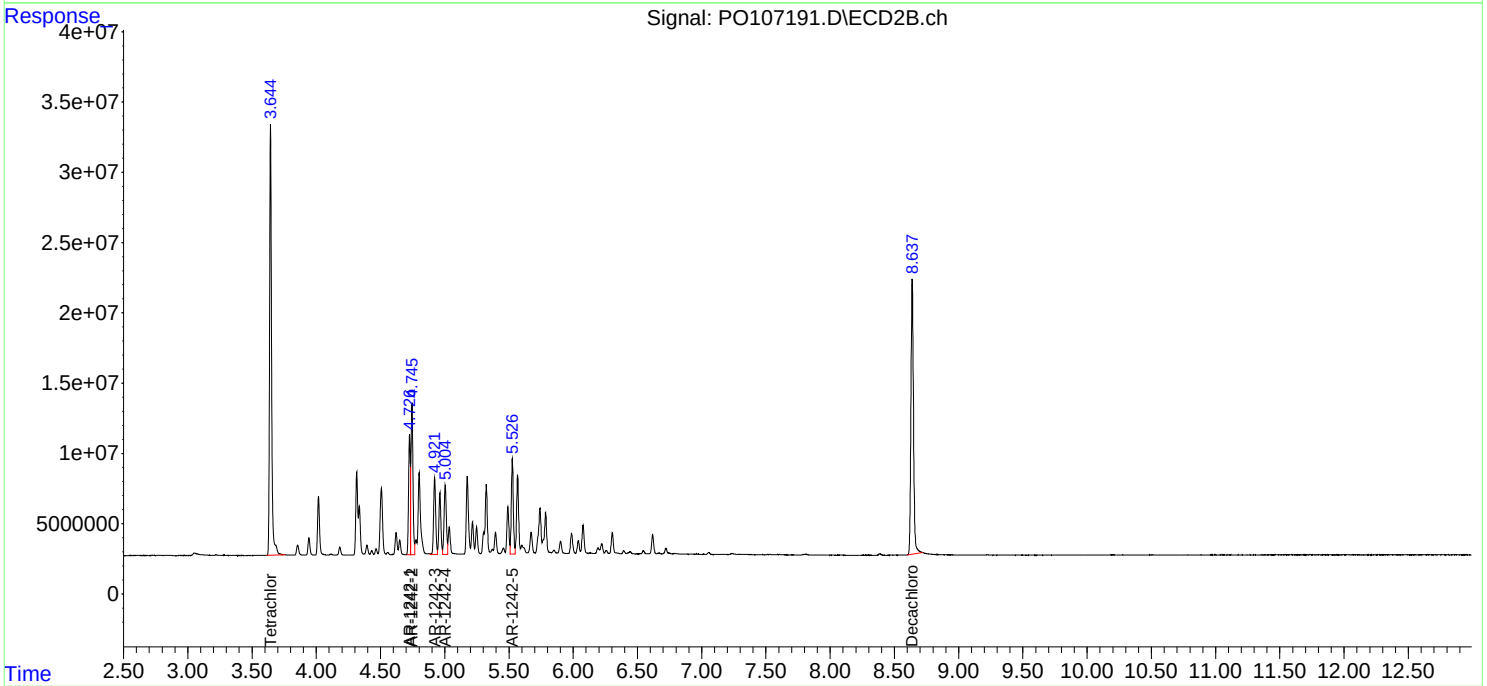
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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... | 4.373 | 3.644 | 648.9E6 | 243.1E6 | 70.941 | 72.772 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 182.1E6 | 207.3E6 | 73.046 | 74.999 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.521 | 4.726 | 154.2E6 | 60335620 | 693.850 | 718.814 |
| 17) | L4 AR-1242-2 | 5.544 | 4.746 | 225.0E6 | 83449803 | 695.293 | 708.752 |
| 18) | L4 AR-1242-3 | 5.606 | 4.922 | 144.9E6 | 45346429 | 691.114 | 704.170 |
| 19) | L4 AR-1242-4 | 5.703 | 5.005 | 109.0E6 | 45477164 | 669.566 | 706.336 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 107.6E6 | 56756574 | 699.831 | 735.037 |

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

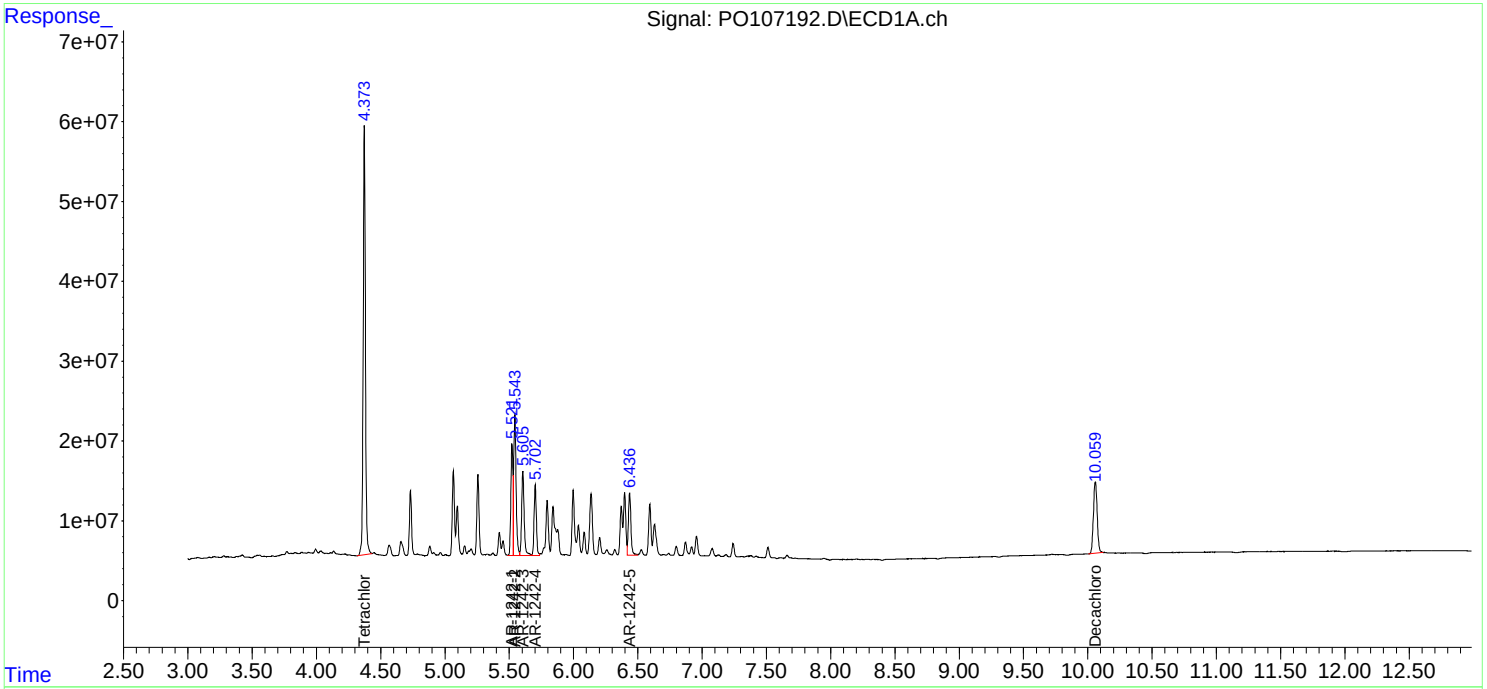
ICAL Form

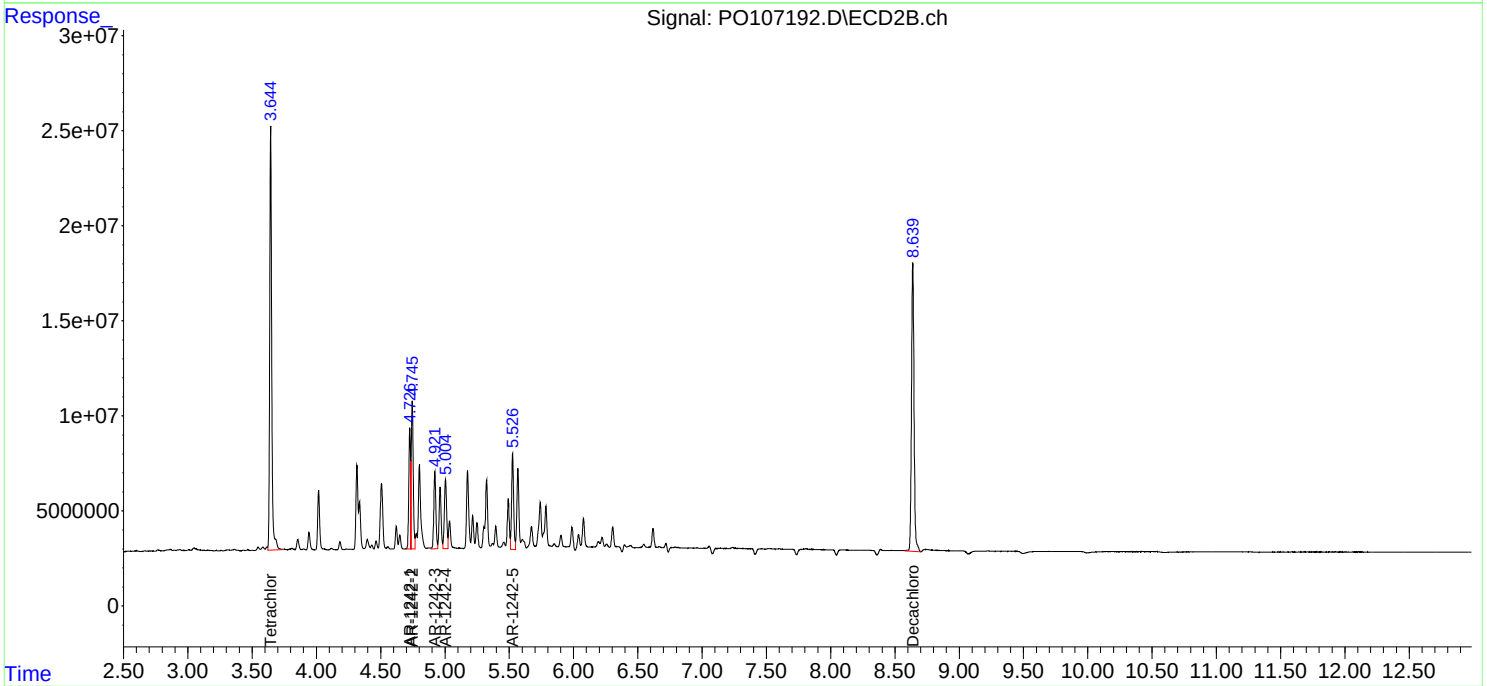
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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... | 4.373 | 3.644 | 457.3E6 | 167.1E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.057 | 8.639 | 124.6E6 | 138.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.726 | 111.1E6 | 41968881 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 5.544 | 4.745 | 161.8E6 | 58870958 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 5.607 | 4.922 | 104.8E6 | 32198496 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 5.703 | 5.004 | 81398754 | 32192297 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 76844549 | 38607958 | 500.000 | 500.000 |

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

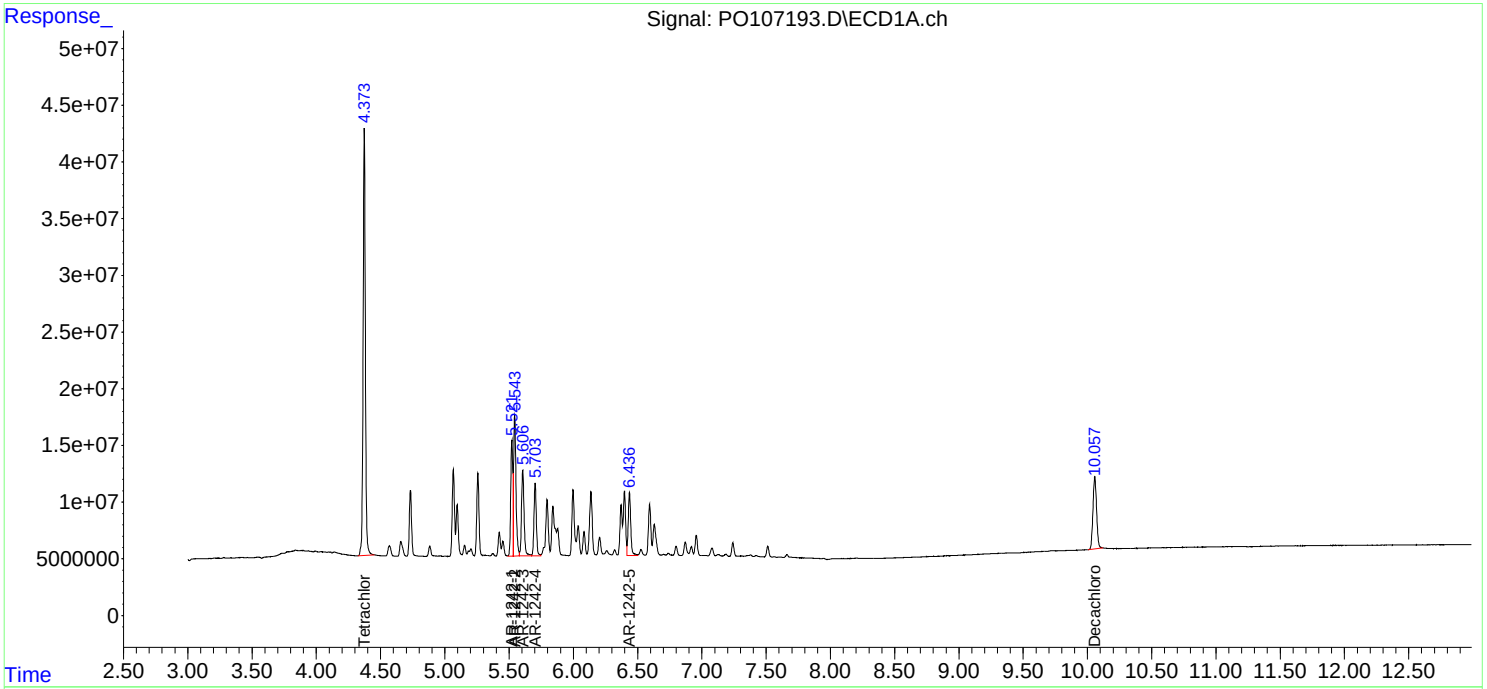
ICAL Form

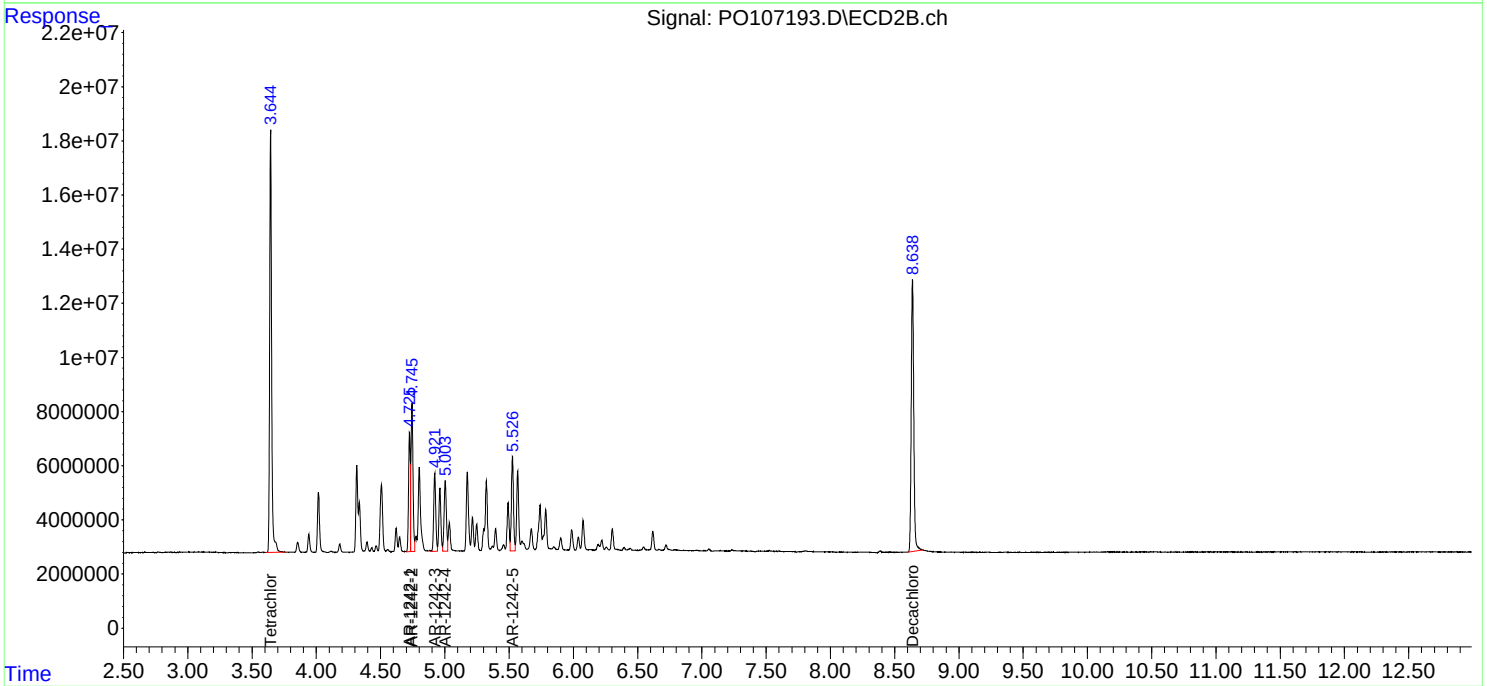
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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... | 4.373 | 3.645 | 237.6E6 | 83389360 | 25.977 | 24.958 |
| 2) | SA Decachlor... | 10.057 | 8.639 | 63795685 | 69963548 | 25.593 | 25.308 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.727 | 59739114 | 21816724 | 268.842 | 259.915 |
| 17) | L4 AR-1242-2 | 5.544 | 4.746 | 85701102 | 30166778 | 264.877 | 256.211 |
| 18) | L4 AR-1242-3 | 5.607 | 4.922 | 56076682 | 16716467 | 267.493 | 259.585 |
| 19) | L4 AR-1242-4 | 5.703 | 5.005 | 43283991 | 17011315 | 265.876 | 264.214 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 41155754 | 20184132 | 267.786 | 261.399 |

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

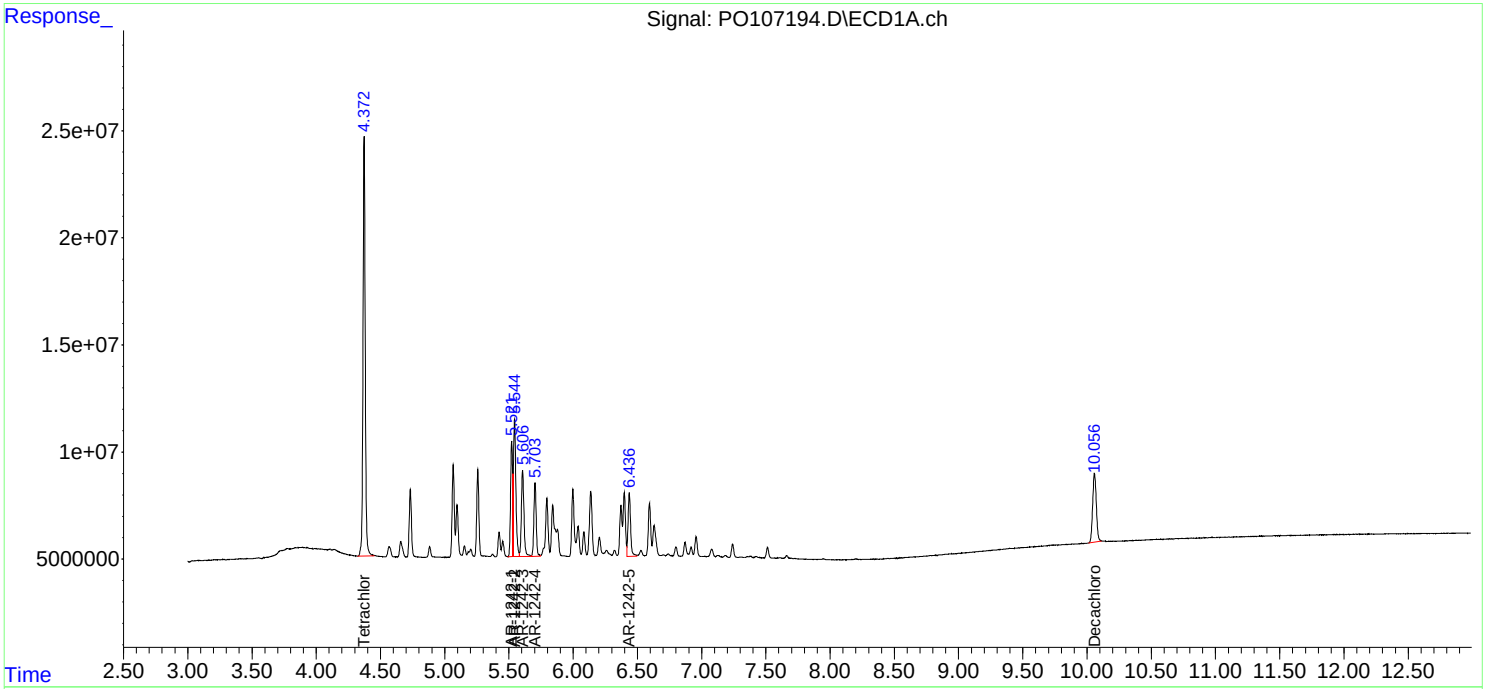
ICAL Form

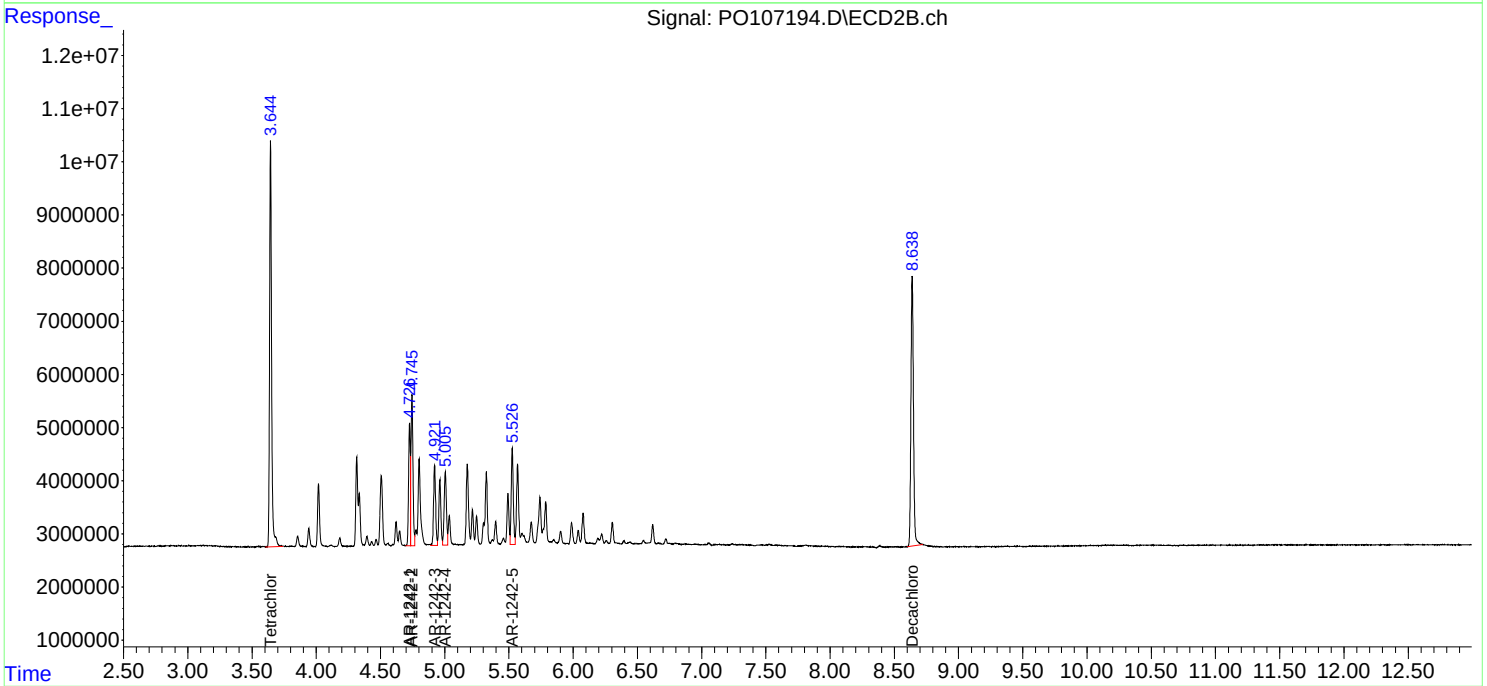
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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... | 4.373 | 3.644 | 45874144 | 14600377 | 5.015 | 4.370 |
| 2) | SA Decachlor... | 10.055 | 8.638 | 12132051 | 13326327 | 4.867 | 4.821 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.521 | 4.726 | 12176144 | 4333712 | 54.796 | 51.630 |
| 17) | L4 AR-1242-2 | 5.544 | 4.745 | 17442944 | 5701582 | 53.911 | 48.424 |
| 18) | L4 AR-1242-3 | 5.606 | 4.921 | 11292382 | 3181204 | 53.866 | 49.400 |
| 19) | L4 AR-1242-4 | 5.703 | 5.004 | 8415437 | 3329911 | 51.693 | 51.719 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 8983989 | 4011331 | 58.456 | 51.950 |

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

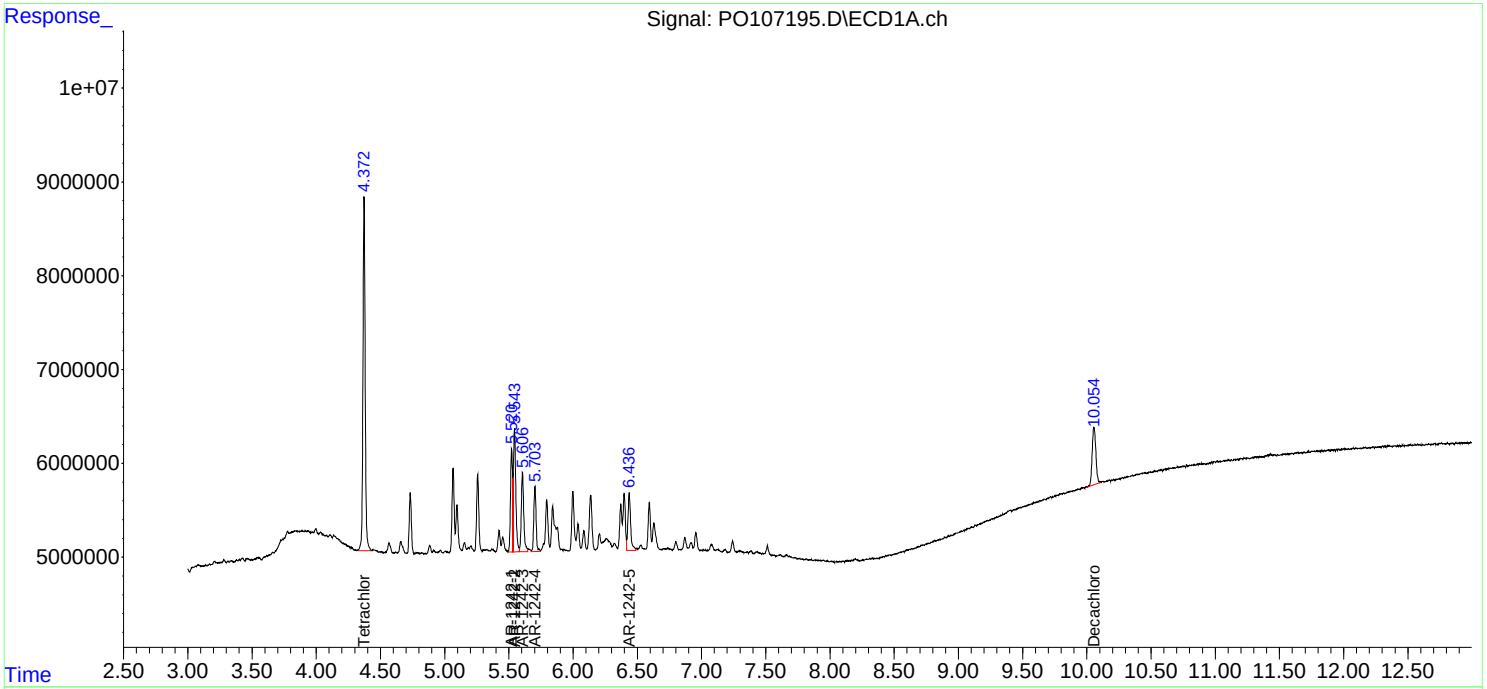
ICAL Form

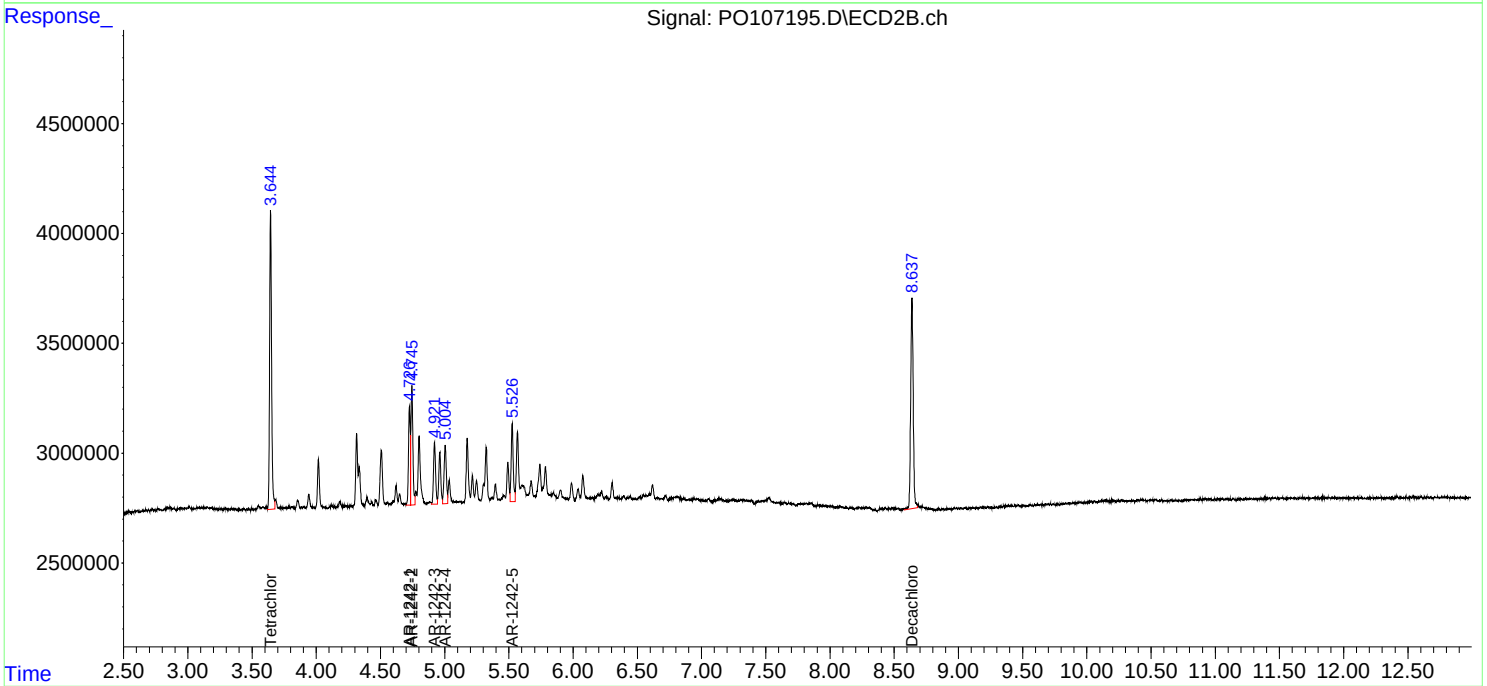
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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... | 4.372 | 3.644 | 871.9E6 | 327.8E6 | 93.167 | 95.697 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 234.0E6 | 266.9E6 | 93.438 | 95.612 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 155.9E6 | 60218805 | 889.958 | 928.169 |
| 22) | L5 AR-1248-2 | 5.795 | 4.962 | 222.8E6 | 85173308 | 878.597 | 915.232 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 231.9E6 | 89257070 | 892.951 | 916.605 |
| 24) | L5 AR-1248-4 | 6.398 | 5.176 | 237.2E6 | 105.9E6 | 910.480 | 923.092 |
| 25) | L5 AR-1248-5 | 6.437 | 5.567 | 236.3E6 | 102.8E6 | 906.188 | 936.492 |

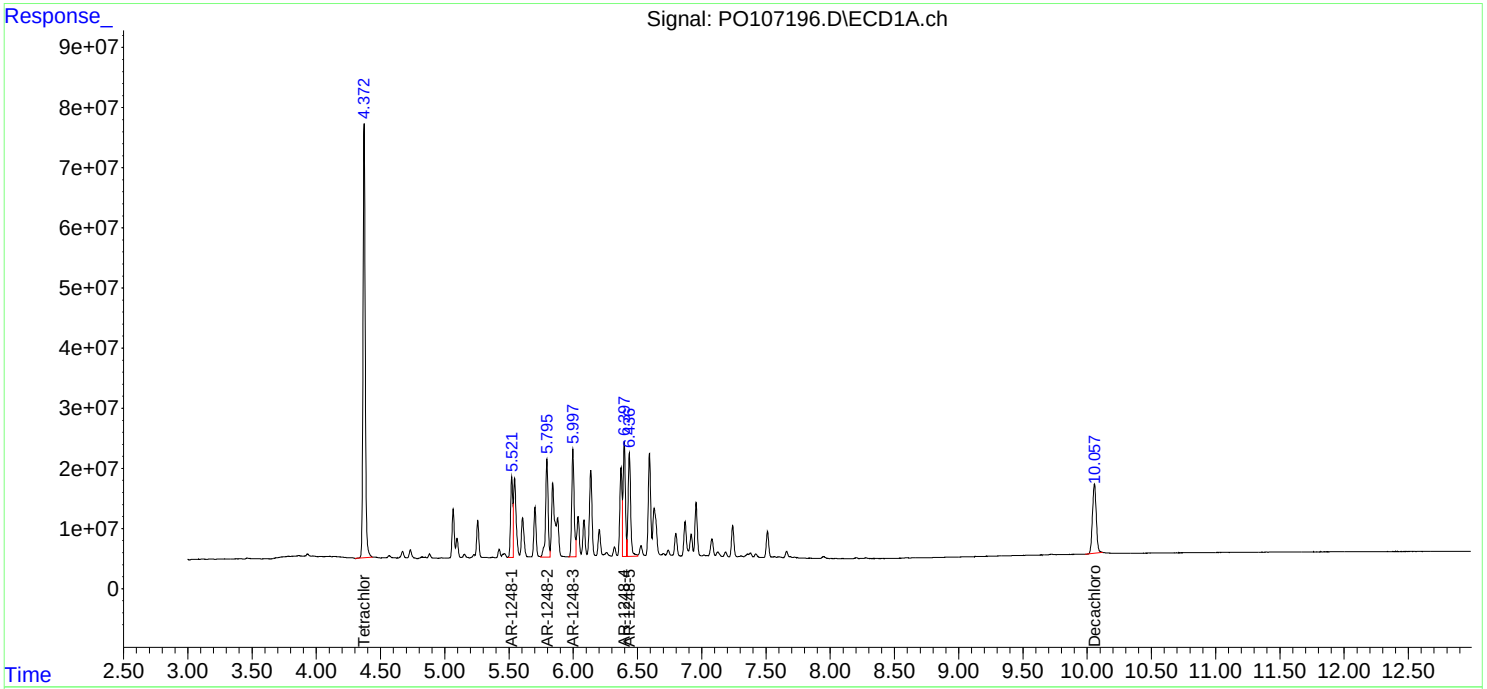
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

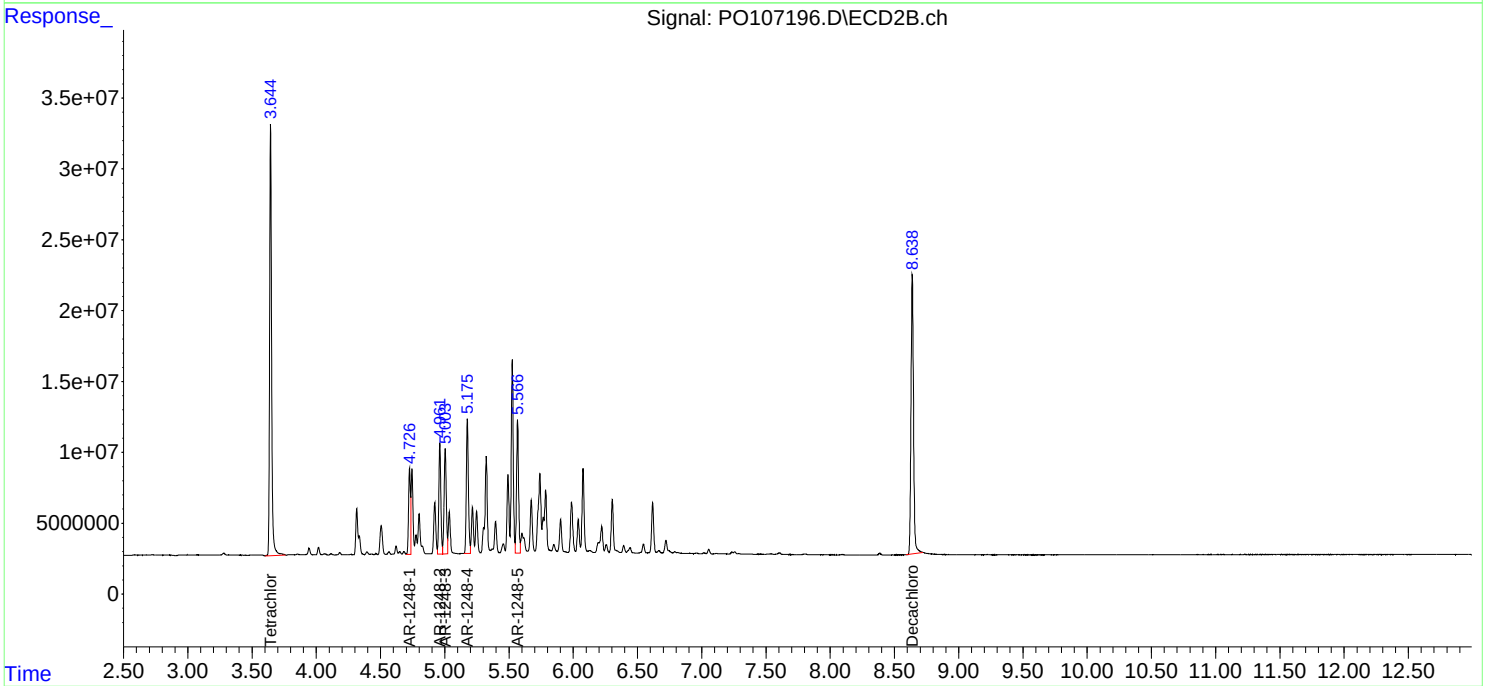
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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... | 4.373 | 3.644 | 684.0E6 | 254.2E6 | 73.085 | 74.199 |
| 2) | SA Decachlor... | 10.056 | 8.638 | 177.9E6 | 201.2E6 | 71.030 | 72.062 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 123.6E6 | 47278639 | 705.517 | 728.719 |
| 22) | L5 AR-1248-2 | 5.795 | 4.962 | 178.7E6 | 66831271 | 704.358 | 718.137 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 184.7E6 | 69919958 | 711.094 | 718.027 |
| 24) | L5 AR-1248-4 | 6.398 | 5.176 | 185.0E6 | 82899838 | 709.988 | 722.373 |
| 25) | L5 AR-1248-5 | 6.437 | 5.568 | 184.9E6 | 79019739 | 709.319 | 719.661 |

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

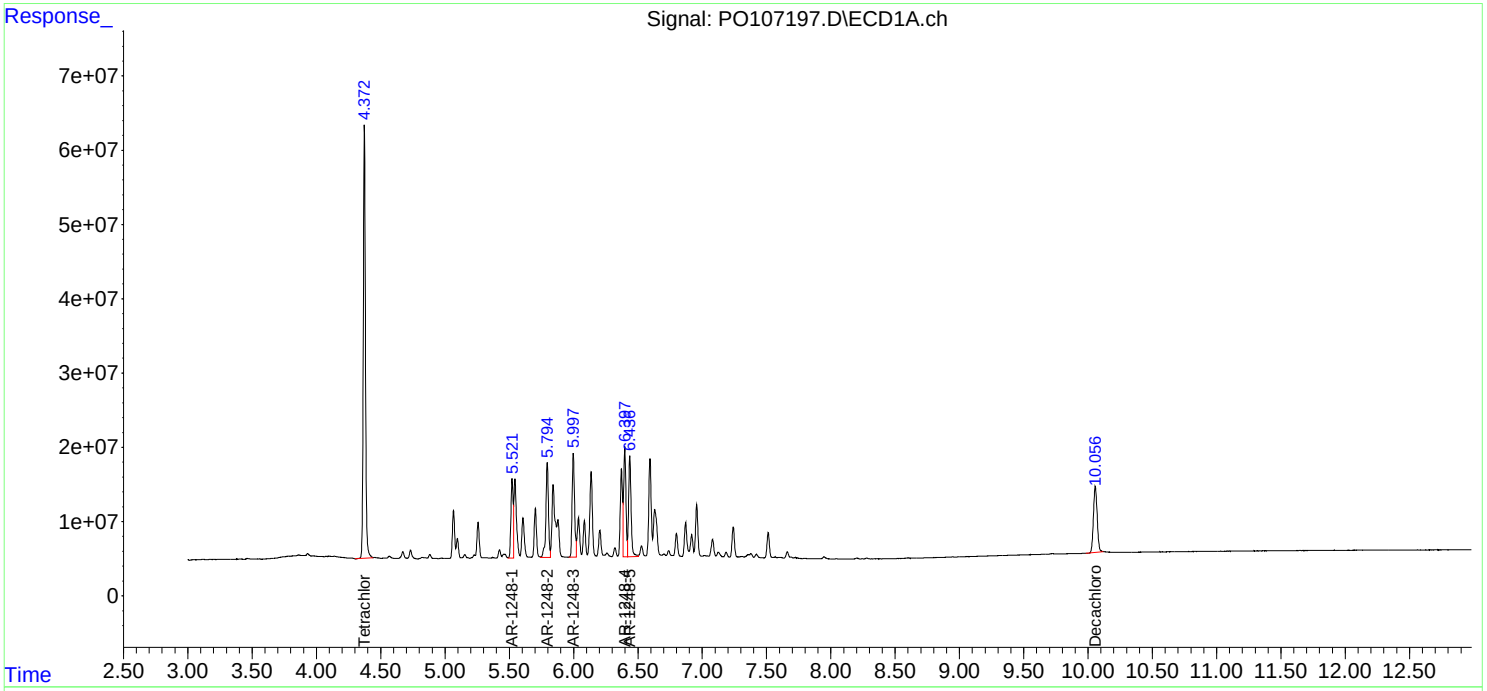
ICAL Form

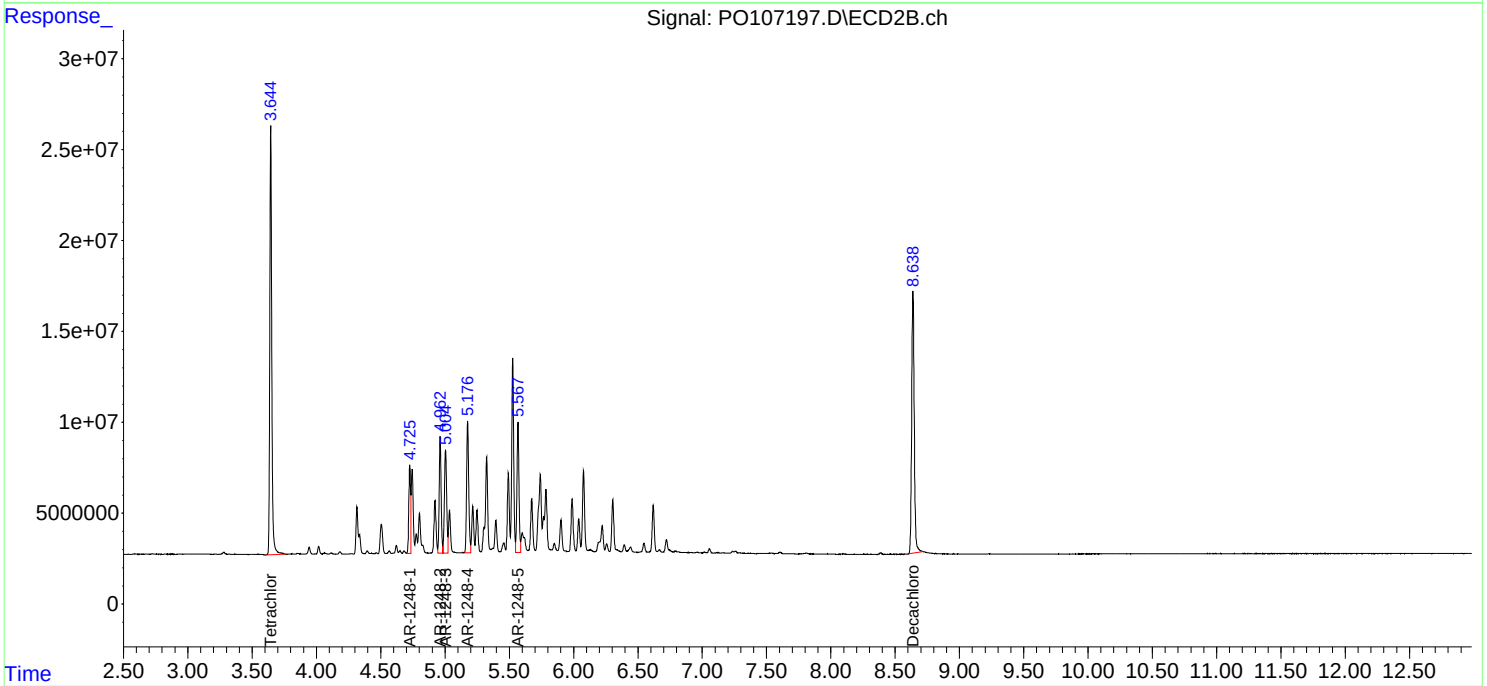
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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... | 4.373 | 3.644 | 467.9E6 | 171.3E6 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.058 | 8.638 | 125.2E6 | 139.6E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) L5 | AR-1248-1 | 5.521 | 4.726 | 87595666 | 32439560 | 500.000 | 500.000 |
| 22) L5 | AR-1248-2 | 5.795 | 4.962 | 126.8E6 | 46530975 | 500.000 | 500.000 |
| 23) L5 | AR-1248-3 | 5.998 | 5.004 | 129.9E6 | 48688939 | 500.000 | 500.000 |
| 24) L5 | AR-1248-4 | 6.398 | 5.176 | 130.3E6 | 57380206 | 500.000 | 500.000 |
| 25) L5 | AR-1248-5 | 6.437 | 5.567 | 130.4E6 | 54900690 | 500.000 | 500.000 |

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

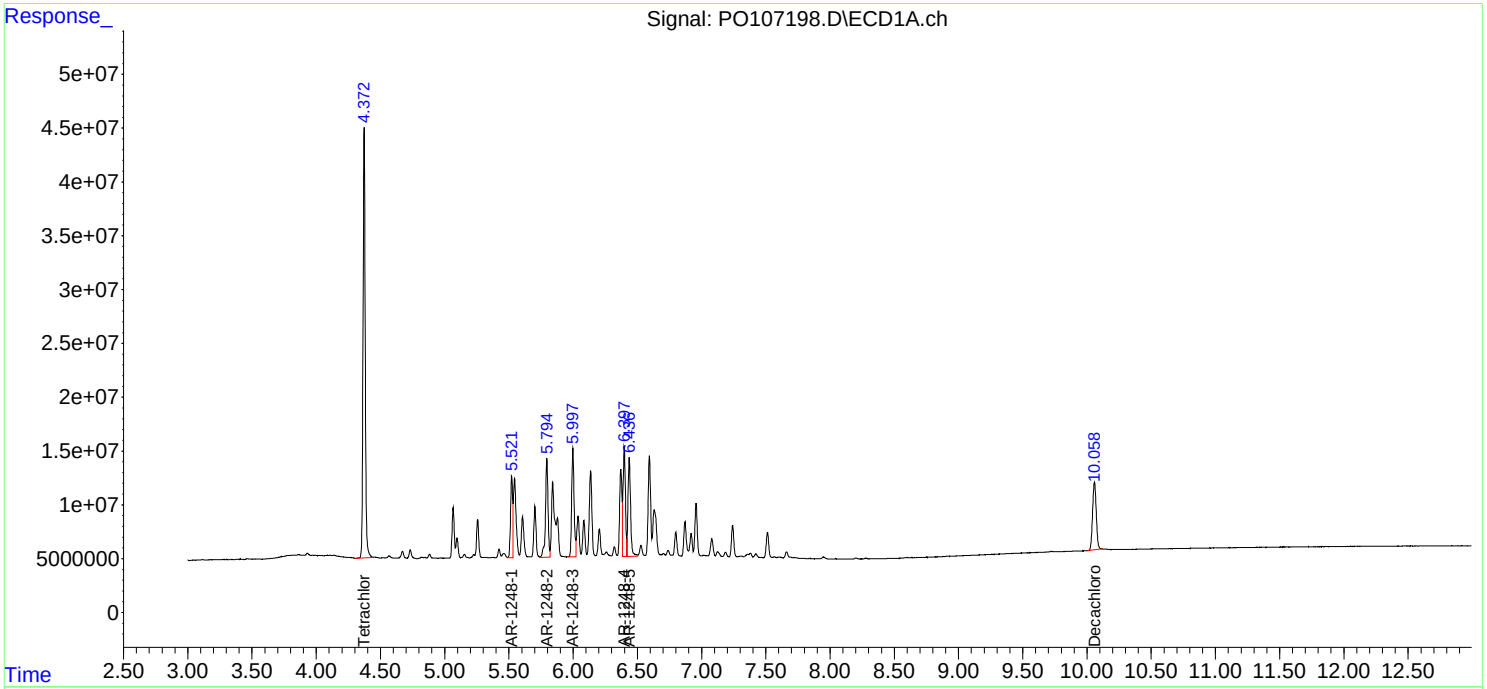
ICAL Form

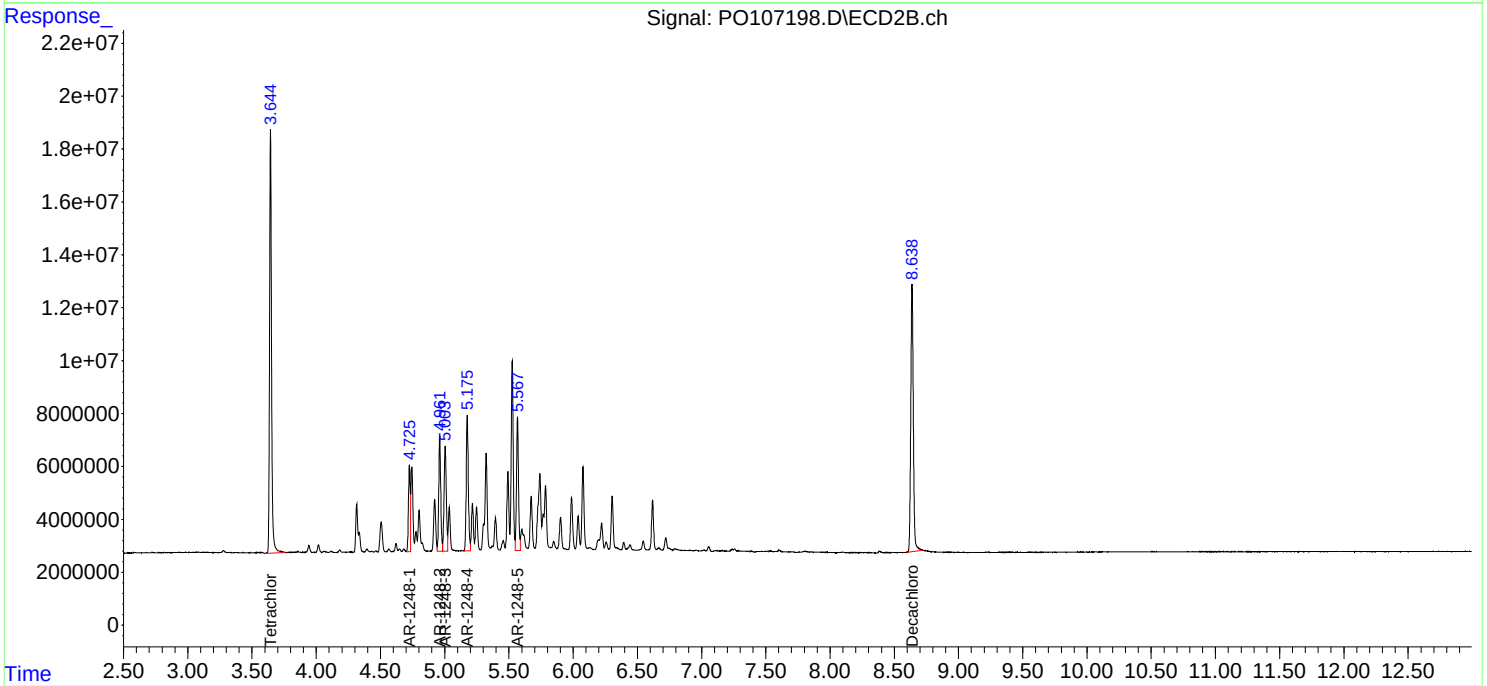
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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... | 4.373 | 3.644 | 237.3E6 | 84054601 | 25.358 | 24.535 |
| 2) | SA Decachlor... | 10.056 | 8.639 | 64153967 | 70917862 | 25.620 | 25.402 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.522 | 4.725 | 46152443 | 16666809 | 263.440 | 256.890 |
| 22) | L5 AR-1248-2 | 5.796 | 4.962 | 67518514 | 24135370 | 266.200 | 259.347 |
| 23) | L5 AR-1248-3 | 5.998 | 5.003 | 68597053 | 25222976 | 264.133 | 259.022 |
| 24) | L5 AR-1248-4 | 6.399 | 5.175 | 68218183 | 29443172 | 261.841 | 256.562 |
| 25) | L5 AR-1248-5 | 6.437 | 5.567 | 69078530 | 28554491 | 264.939 | 260.056 |

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

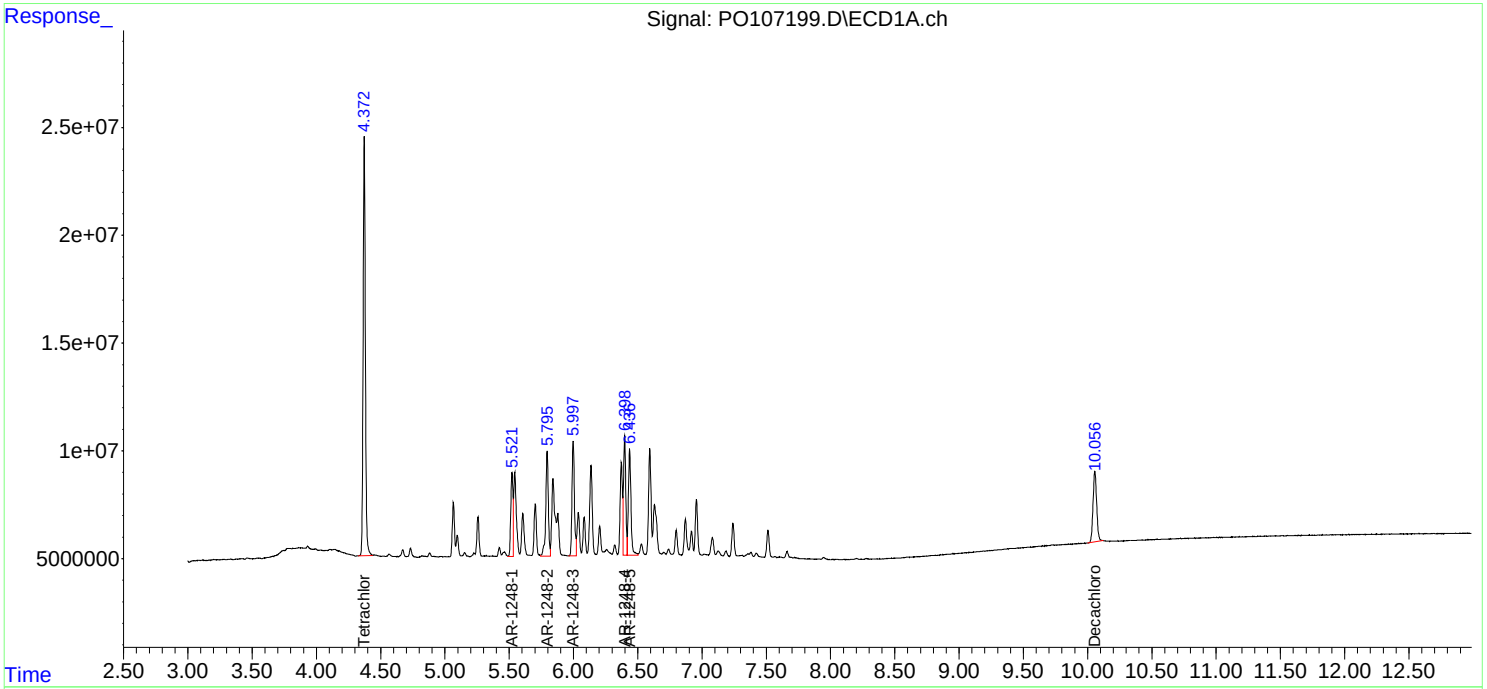
ICAL Form

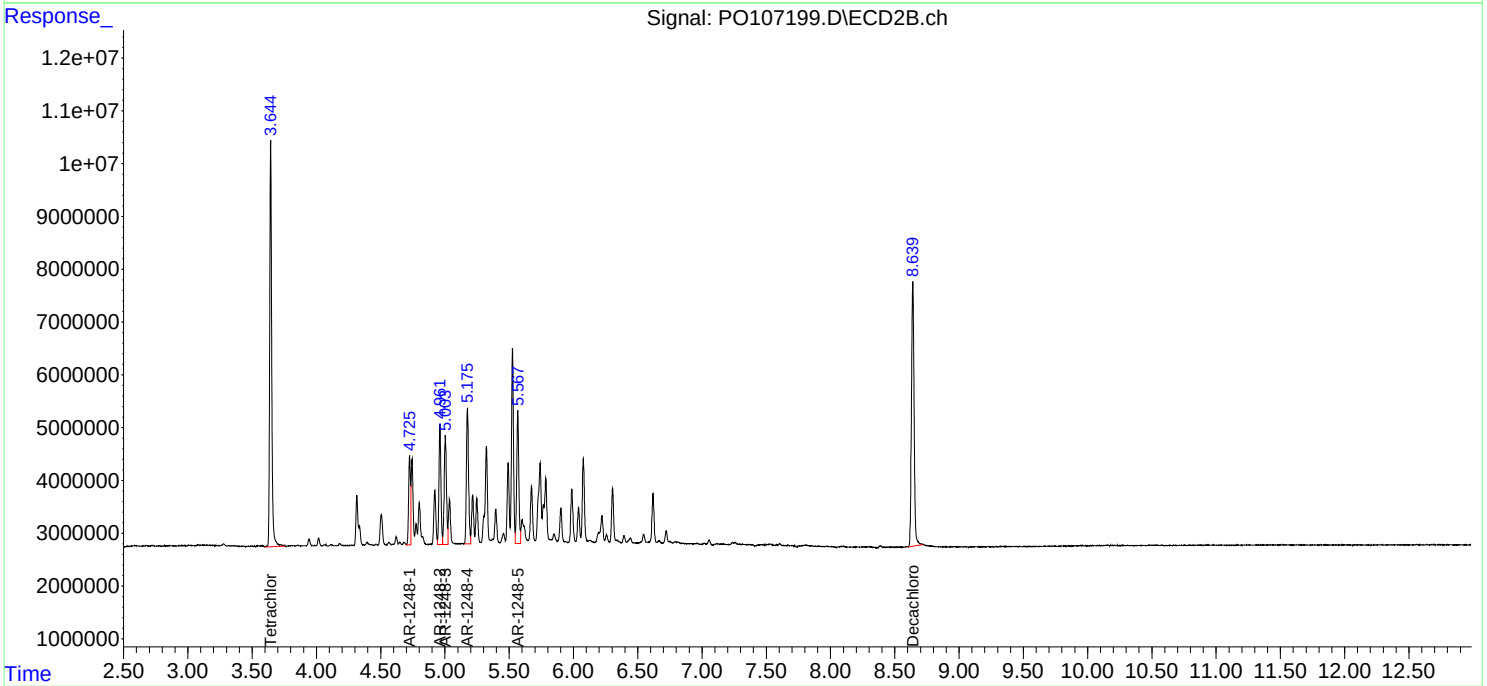
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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... | 4.372 | 3.644 | 44978867 | 14828612 | 4.806 | 4.328 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 11983506 | 13399690 | 4.786 | 4.800 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 9443386 | 3120120 | 53.903 | 48.091 |
| 22) | L5 AR-1248-2 | 5.795 | 4.962 | 14018331 | 4677017 | 55.269 | 50.257 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 13309890 | 4810627 | 51.250 | 49.402 |
| 24) | L5 AR-1248-4 | 6.398 | 5.176 | 13593006 | 5584554 | 52.174 | 48.663 |
| 25) | L5 AR-1248-5 | 6.436 | 5.567 | 14015230 | 5957032 | 53.753 | 54.253 |

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

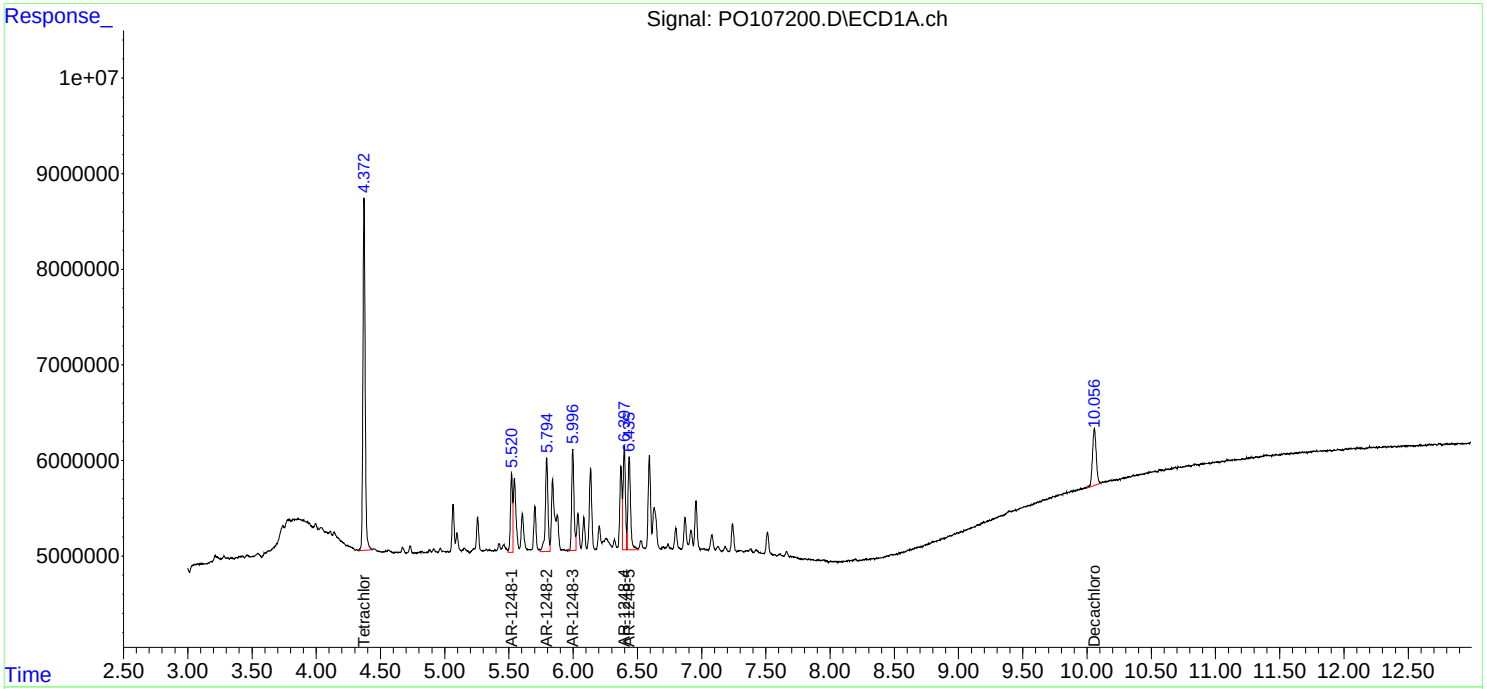
ICAL Form

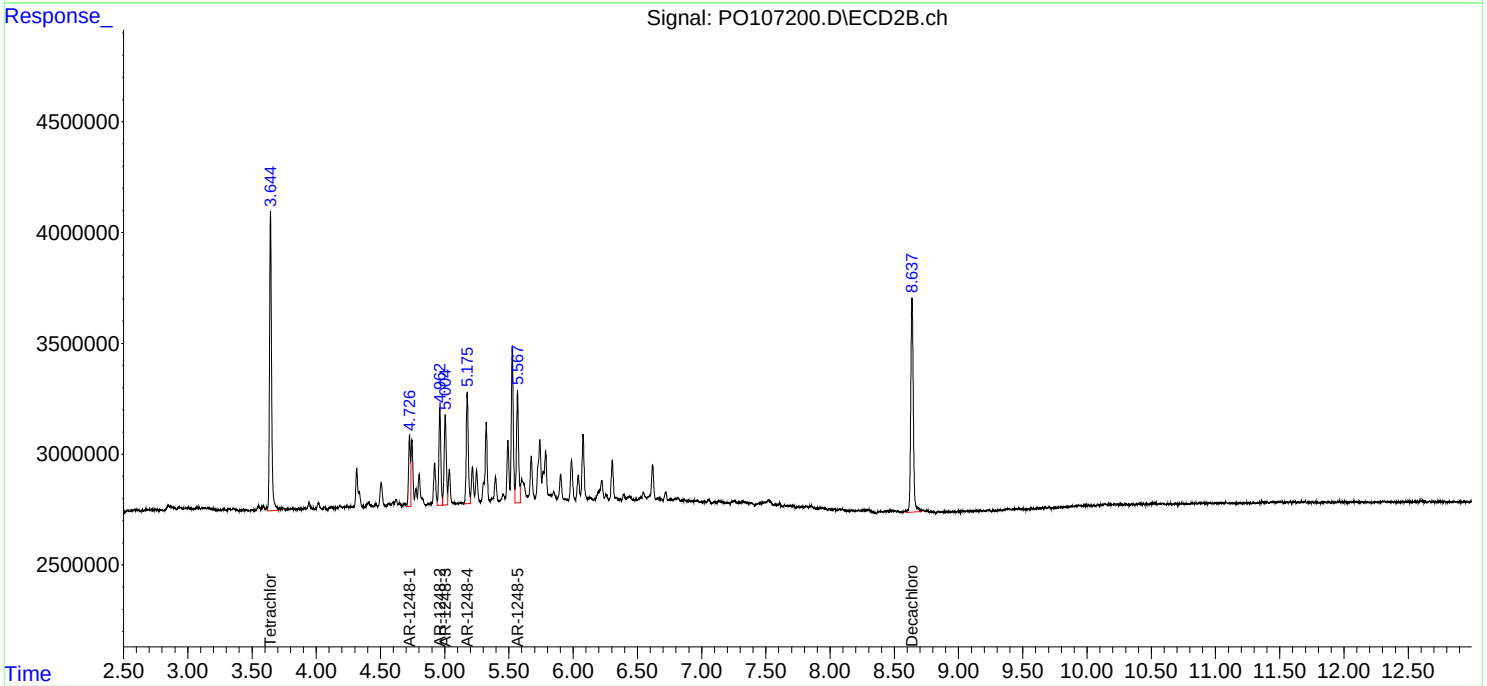
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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... | 4.373 | 3.645 | 888.4E6 | 334.8E6 | 96.727 | 99.808 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 235.8E6 | 272.7E6 | 93.987 | 98.323 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.526 | 246.8E6 | 159.9E6 | 931.434 | 965.611 |
| 27) | L6 AR-1254-2 | 6.593 | 5.674 | 348.1E6 | 138.5E6 | 933.222 | 957.951 |
| 28) | L6 AR-1254-3 | 6.957 | 6.077 | 336.3E6 | 227.1E6 | 944.885 | 977.812 |
| 29) | L6 AR-1254-4 | 7.242 | 6.304 | 213.1E6 | 128.2E6 | 938.161 | 976.528 |
| 30) | L6 AR-1254-5 | 7.663 | 6.721 | 194.6E6 | 191.9E6 | 945.308 | 982.221 |

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

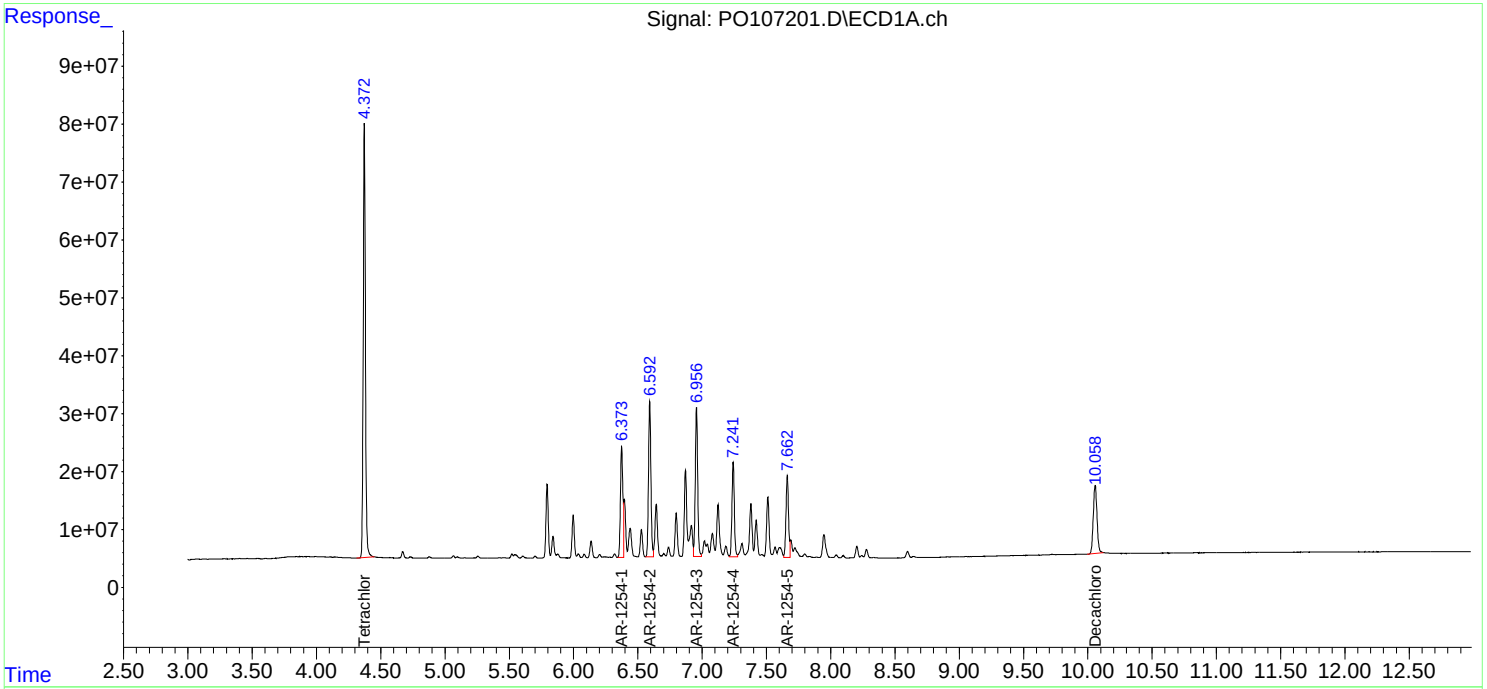
ICAL Form

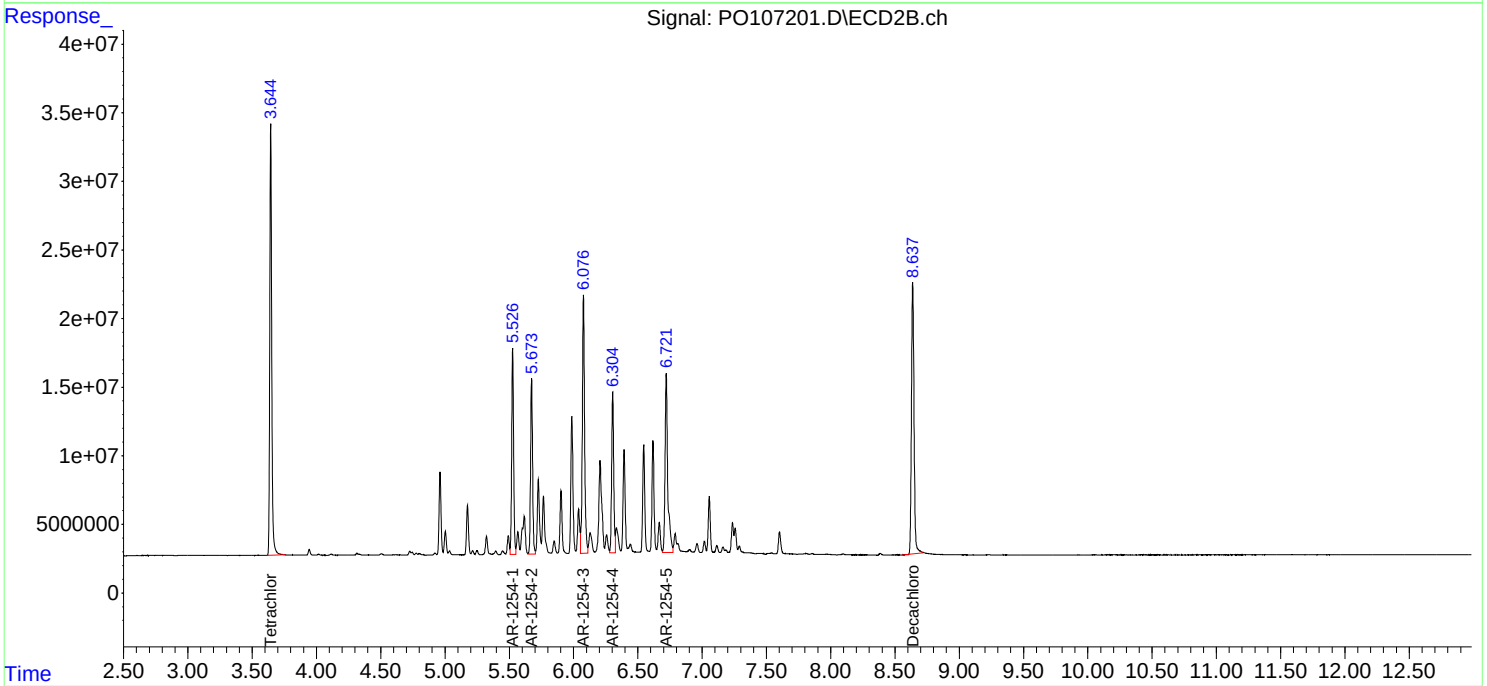
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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... | 4.373 | 3.644 | 687.3E6 | 254.8E6 | 74.839 | 75.963 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 180.1E6 | 205.4E6 | 71.810 | 74.047 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.526 | 192.4E6 | 122.9E6 | 726.190 | 742.326 |
| 27) | L6 AR-1254-2 | 6.593 | 5.673 | 271.2E6 | 106.7E6 | 727.100 | 738.182 |
| 28) | L6 AR-1254-3 | 6.957 | 6.076 | 259.2E6 | 173.5E6 | 728.388 | 747.327 |
| 29) | L6 AR-1254-4 | 7.241 | 6.303 | 165.1E6 | 97687474 | 726.838 | 743.858 |
| 30) | L6 AR-1254-5 | 7.662 | 6.721 | 150.8E6 | 146.4E6 | 732.514 | 749.136 |

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

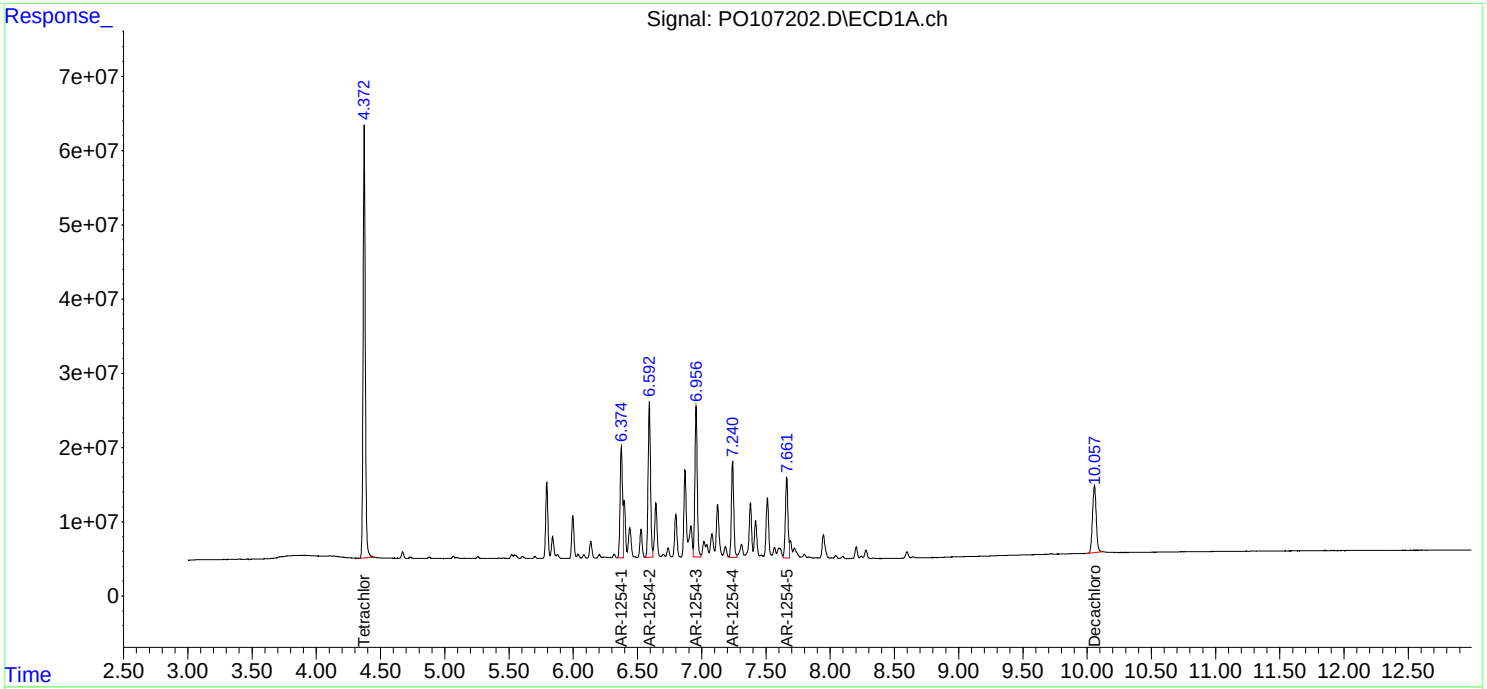
ICAL Form

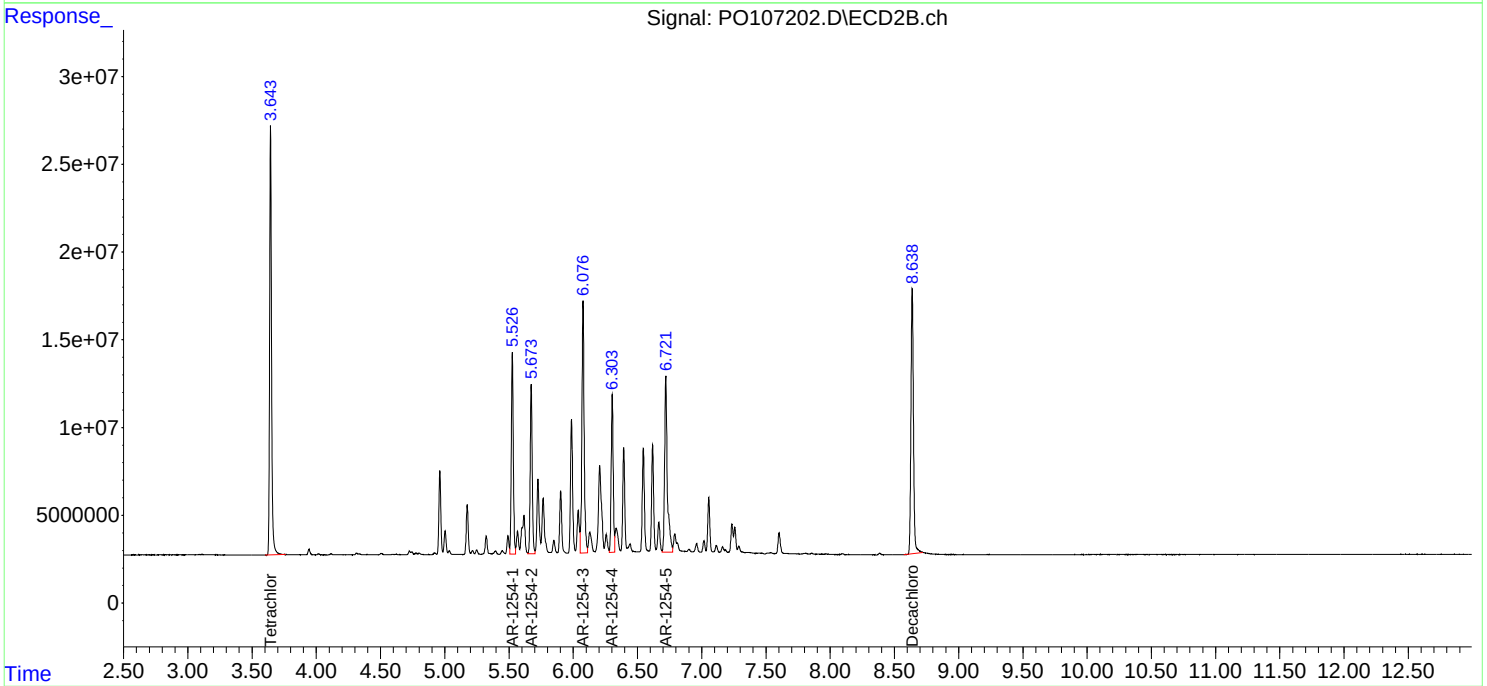
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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... | 4.373 | 3.644 | 459.2E6 | 167.7E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.059 | 8.637 | 125.4E6 | 138.7E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.375 | 5.526 | 132.5E6 | 82774166 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 6.593 | 5.673 | 186.5E6 | 72273461 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 6.957 | 6.077 | 178.0E6 | 116.1E6 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 7.241 | 6.304 | 113.6E6 | 65662675 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 7.662 | 6.721 | 102.9E6 | 97689052 | 500.000 | 500.000 |

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

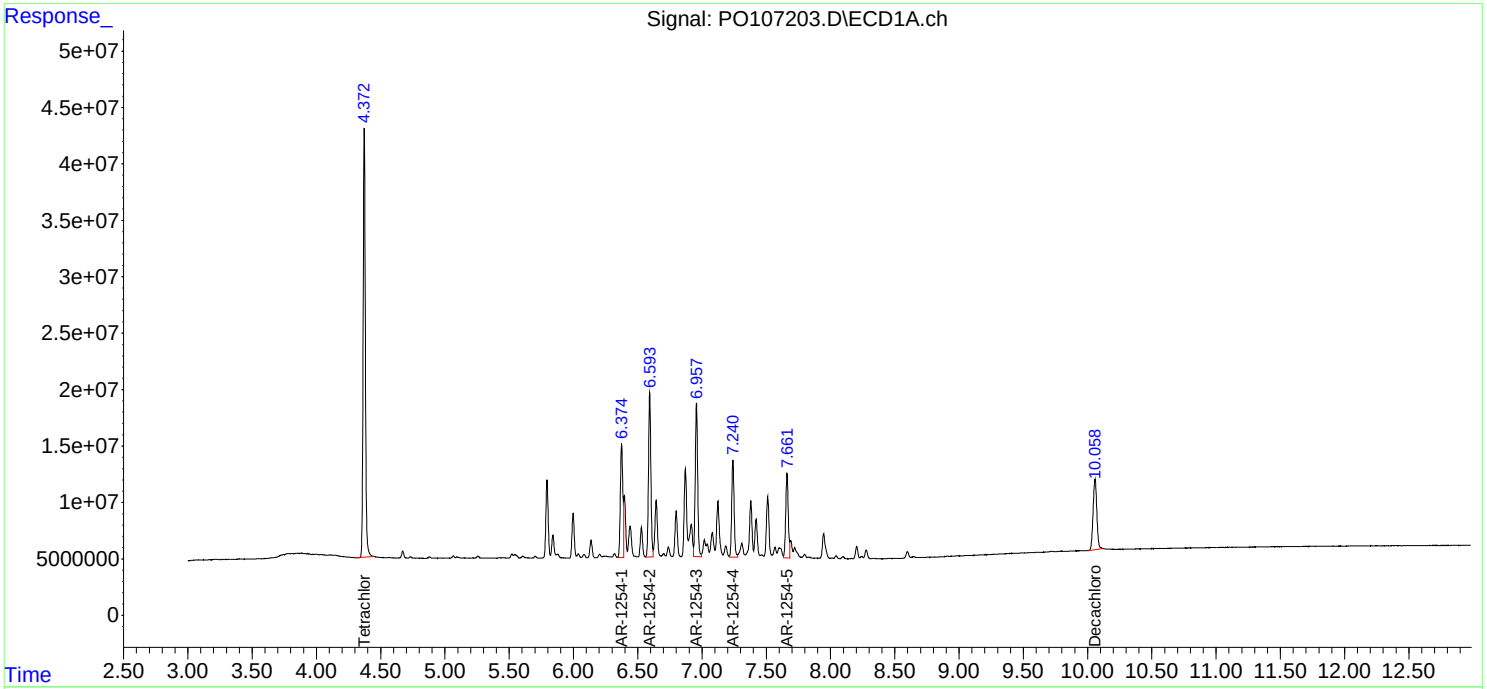
ICAL Form

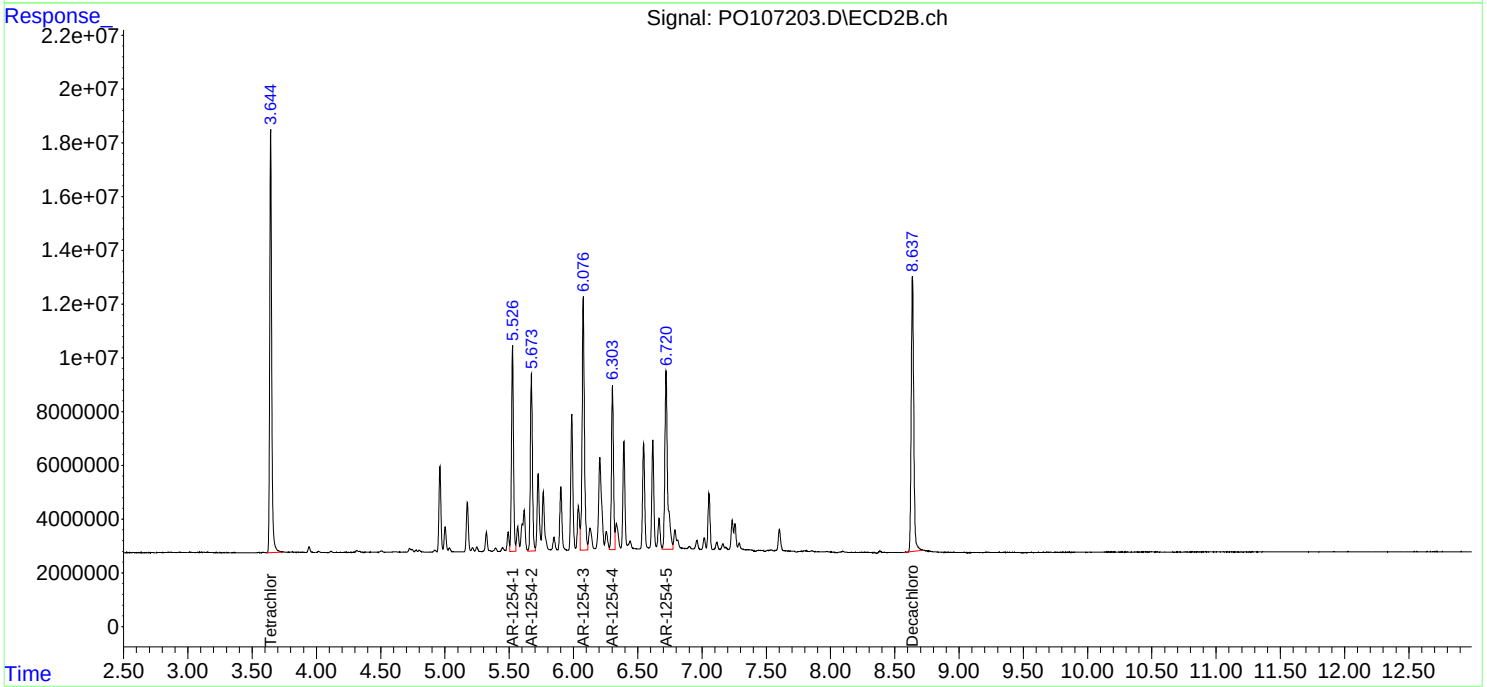
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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... | 4.372 | 3.644 | 237.7E6 | 84055907 | 25.883 | 25.060 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 65039455 | 70920394 | 25.927 | 25.571 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.527 | 71547490 | 42929426 | 269.998 | 259.317 |
| 27) | L6 AR-1254-2 | 6.593 | 5.674 | 100.3E6 | 37831493 | 268.904 | 261.725 |
| 28) | L6 AR-1254-3 | 6.956 | 6.078 | 94624615 | 59643812 | 265.867 | 256.849 |
| 29) | L6 AR-1254-4 | 7.241 | 6.305 | 60632555 | 33801761 | 266.883 | 257.389 |
| 30) | L6 AR-1254-5 | 7.662 | 6.721 | 55034918 | 50297216 | 267.330 | 257.435 |

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

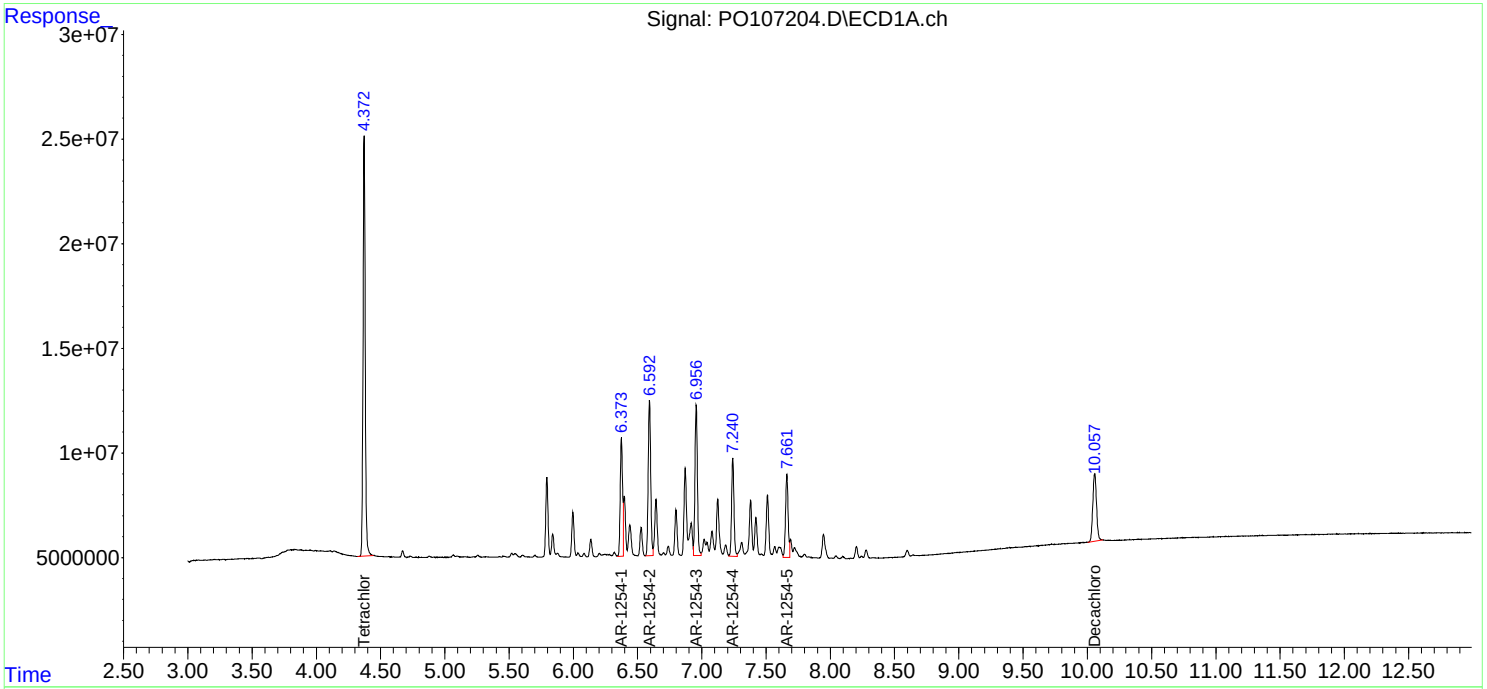
ICAL Form

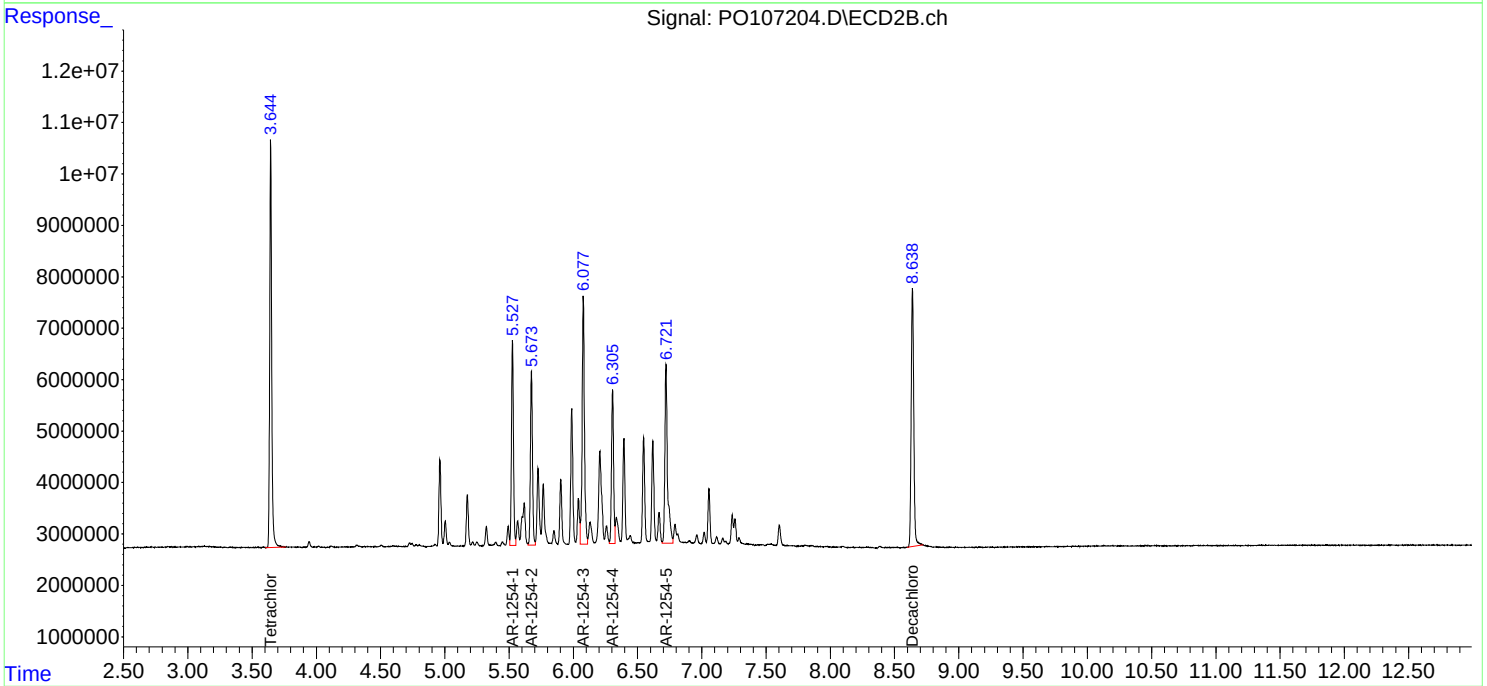
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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... | 4.373 | 3.645 | 43957547 | 14653198 | 4.786 | 4.369 |
| 2) | SA | Decachlor... | 10.057 | 8.638 | 11796837 | 12993699 | 4.703 | 4.685 |
| | Target Compounds | | | | | | | |
| 26) | L6 | AR-1254-1 | 6.375 | 5.527 | 14457853 | 8148243 | 54.560 | 49.220 |
| 27) | L6 | AR-1254-2 | 6.593 | 5.674 | 20149788 | 7410157 | 54.016 | 51.265 |
| 28) | L6 | AR-1254-3 | 6.956 | 6.077 | 18631522 | 10943354 | 52.349 | 47.126 |
| 29) | L6 | AR-1254-4 | 7.241 | 6.304 | 12202348 | 6104594 | 53.710 | 46.485 |
| 30) | L6 | AR-1254-5 | 7.662 | 6.721 | 10827332 | 8581830 | 52.593 | 43.924 |

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

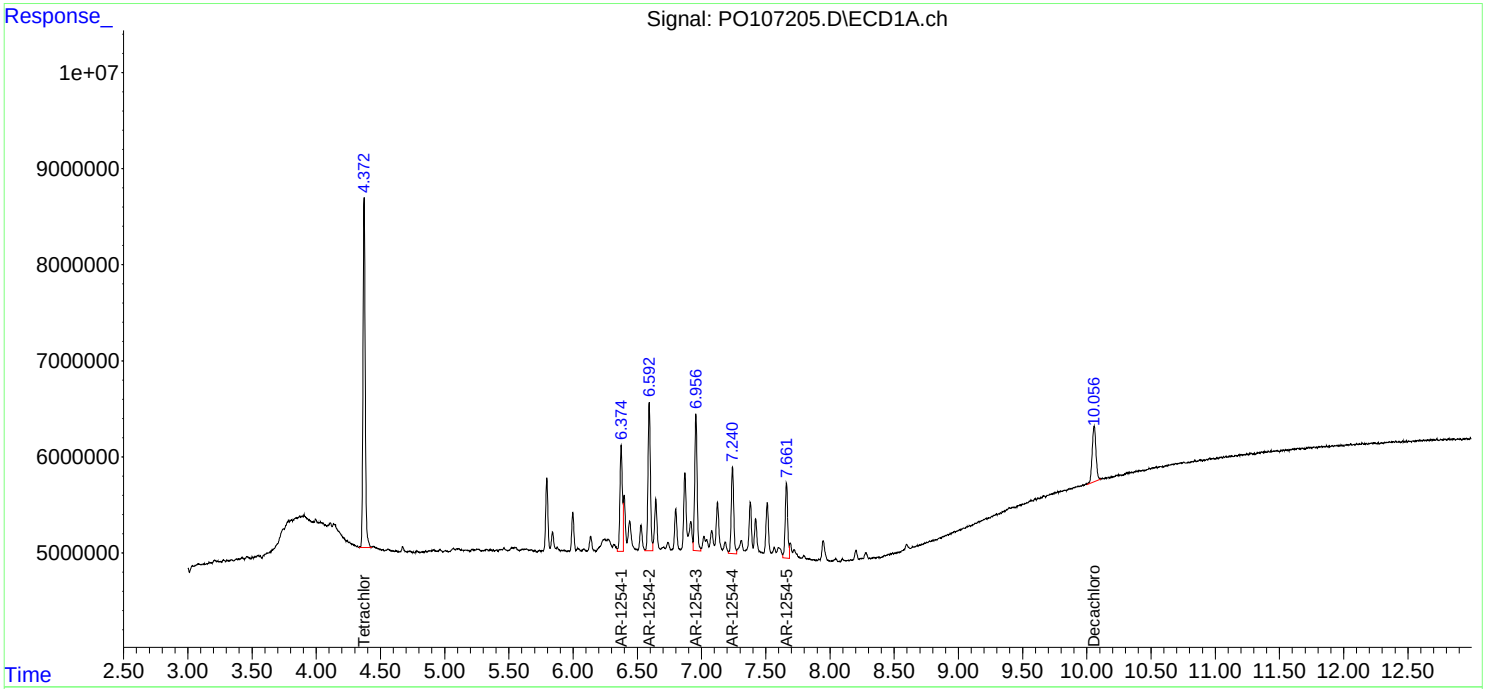
ICAL Form

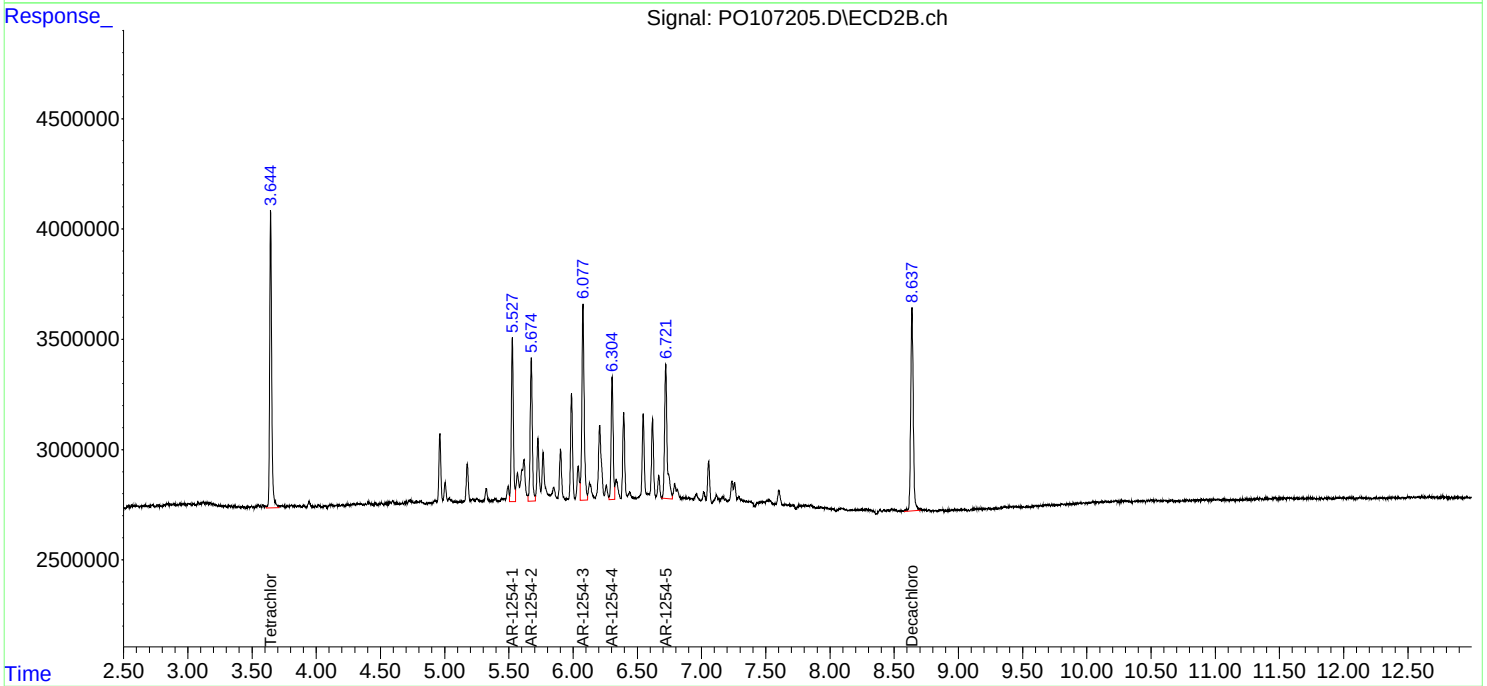
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 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... | 4.372 | 3.644 | 446.6E6 | 163.0E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.059 | 8.638 | 123.1E6 | 135.8E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 7.742 | 6.759 | 122.8E6 | 106.4E6 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 8.279 | 7.258 | 154.7E6 | 181.7E6 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 8.592 | 7.541 | 104.6E6 | 68691960 | 500.000 | 500.000 |
| 39) | L8 AR-1262-4 | 8.677 | 7.605 | 81533074 | 132.3E6 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 9.315 | 8.096 | 51381891 | 56416259 | 500.000 | 500.000 |

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

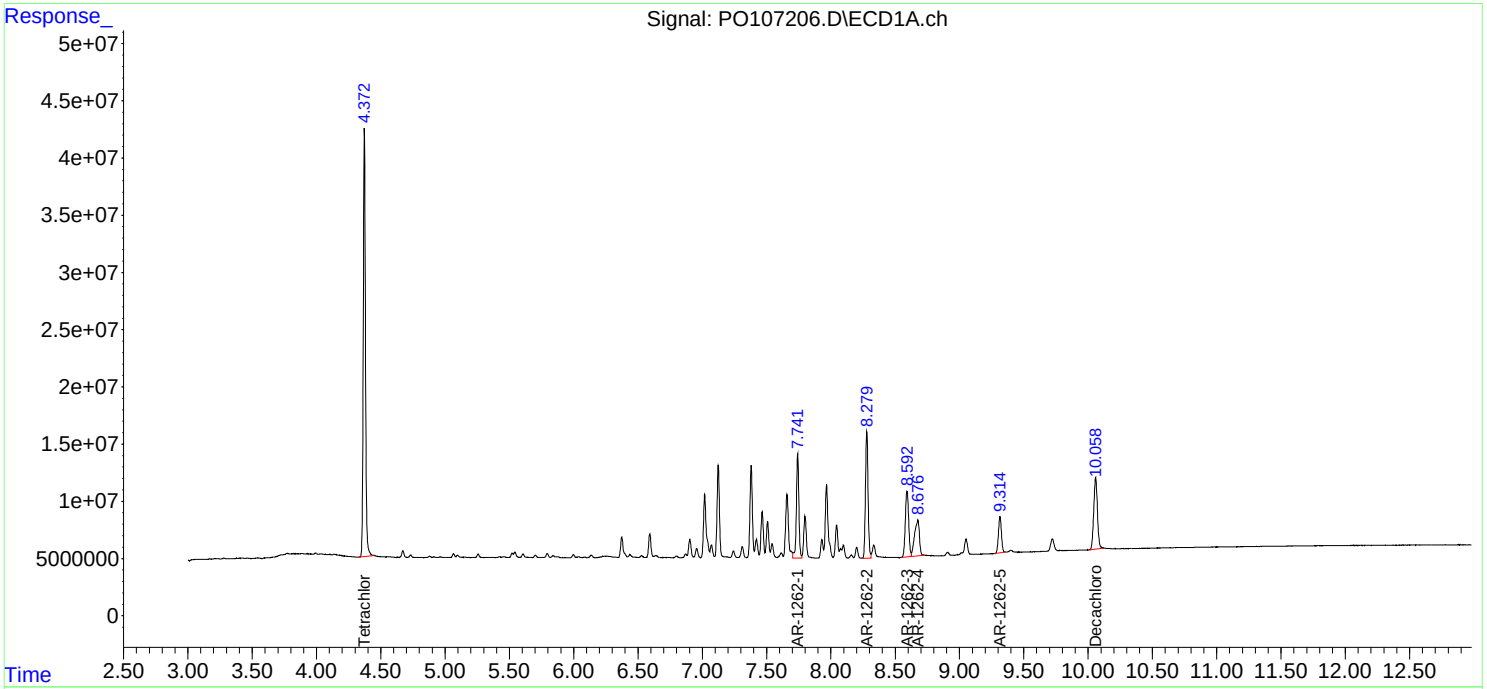
ICAL Form

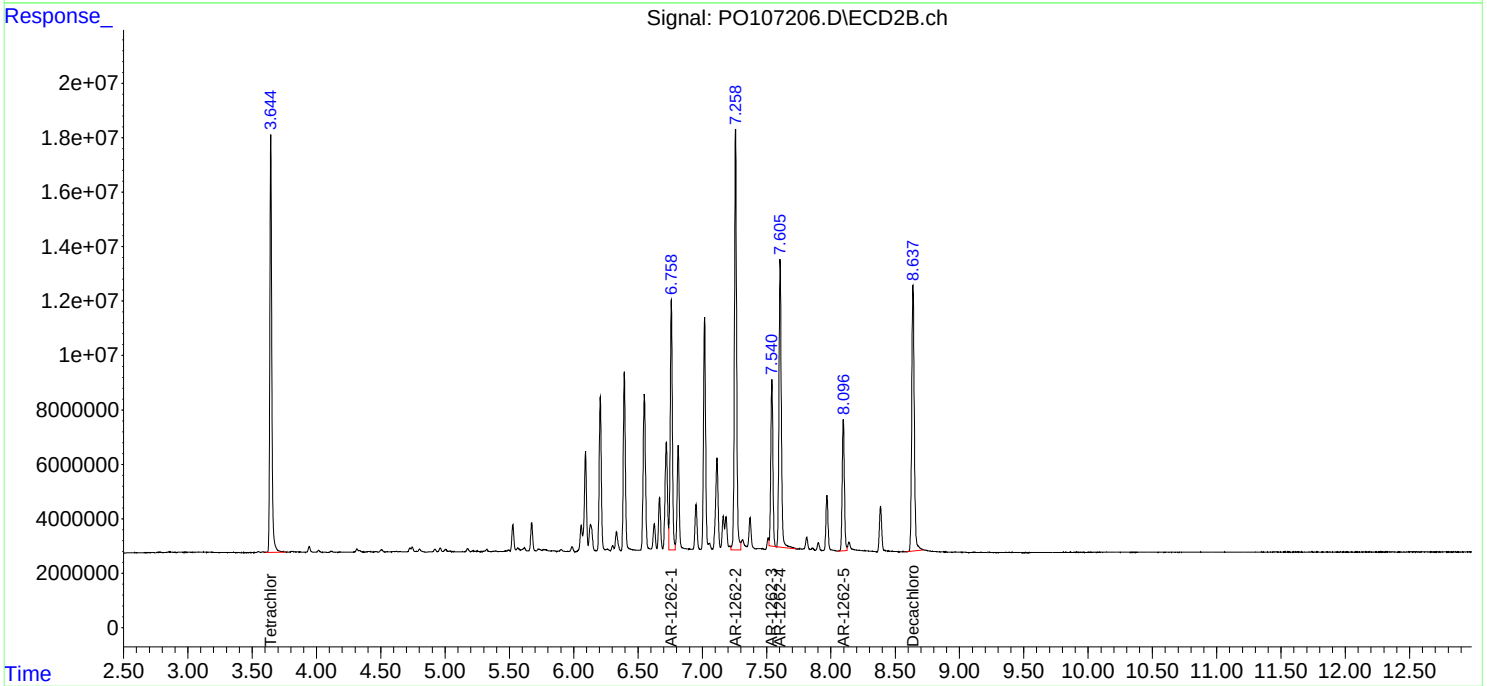
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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... | 4.373 | 3.645 | 914.0E6 | 344.0E6 | 98.153 | 100.708 |
| 2) | SA Decachlor... | 10.057 | 8.639 | 407.4E6 | 487.4E6 | 96.045 | 101.044 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 351.9E6 | 419.2E6 | 965.004 | 1012.873 |
| 42) | L9 AR-1268-2 | 8.679 | 7.606 | 313.1E6 | 389.7E6 | 963.780 | 1016.048 |
| 43) | L9 AR-1268-3 | 8.907 | 7.812 | 272.2E6 | 345.3E6 | 963.260 | 1016.931 |
| 44) | L9 AR-1268-4 | 9.313 | 8.097 | 112.2E6 | 129.1E6 | 978.396 | 1014.319 |
| 45) | L9 AR-1268-5 | 9.721 | 8.386 | 836.7E6 | 1049.2E6 | 987.735 | 1031.617 |

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

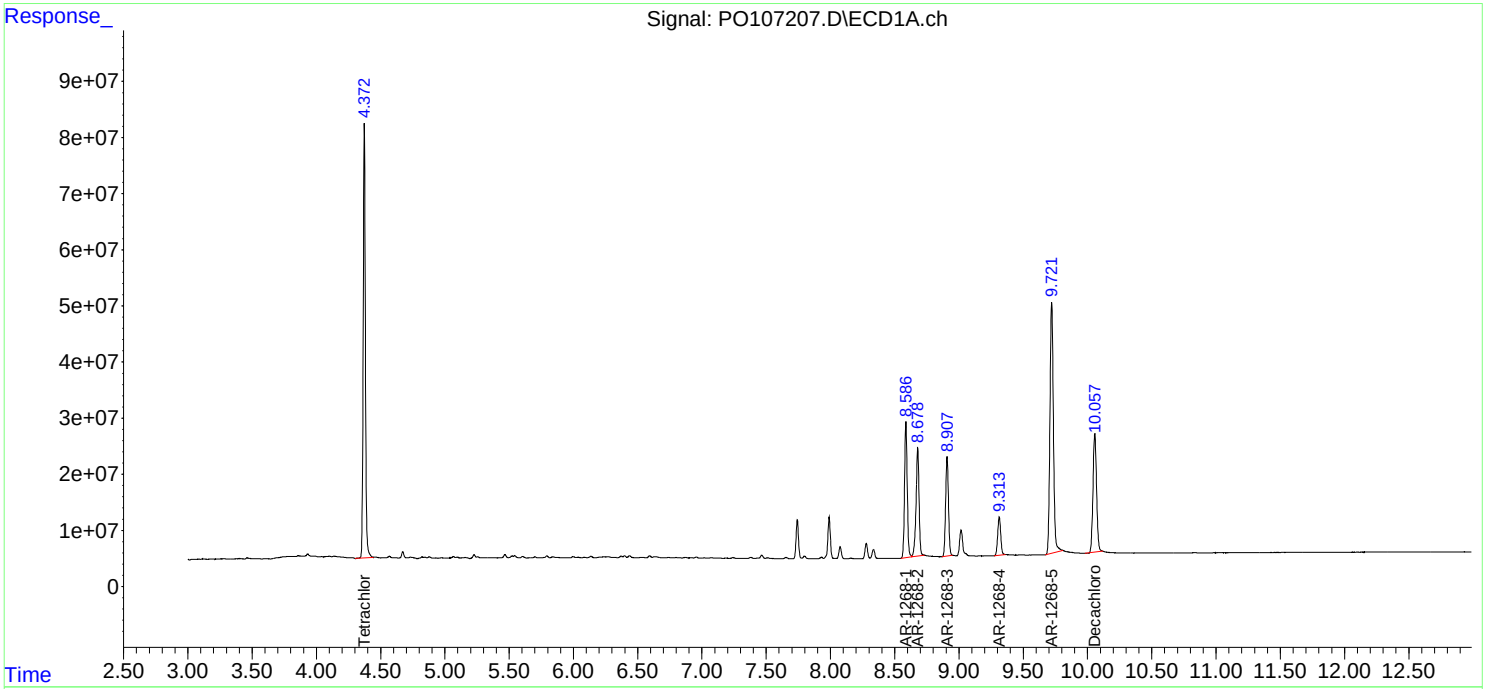
ICAL Form

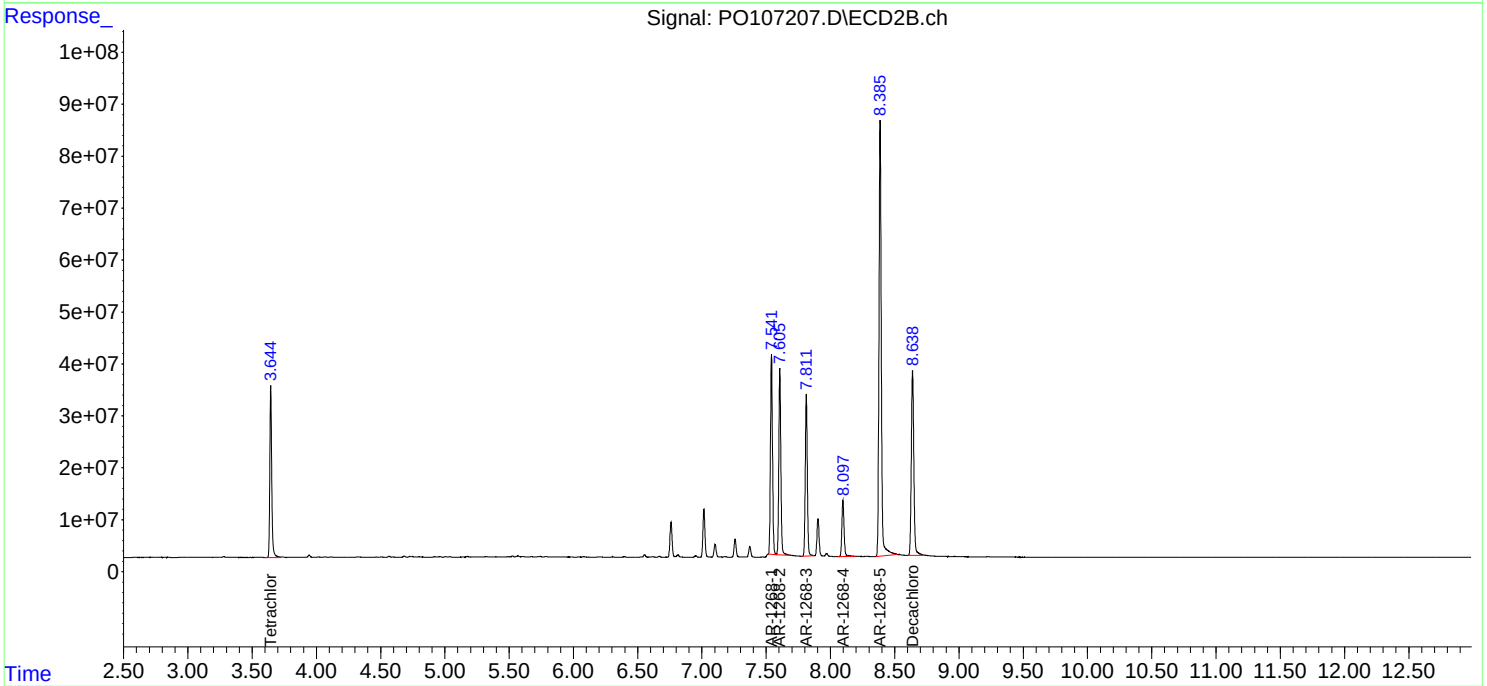
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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... | 4.373 | 3.644 | 670.2E6 | 249.7E6 | 71.974 | 73.105 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 310.2E6 | 355.5E6 | 73.131 | 73.693 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 264.3E6 | 307.5E6 | 724.887 | 742.983 |
| 42) | L9 AR-1268-2 | 8.678 | 7.605 | 235.9E6 | 285.1E6 | 726.056 | 743.309 |
| 43) | L9 AR-1268-3 | 8.908 | 7.812 | 204.6E6 | 253.4E6 | 723.835 | 746.228 |
| 44) | L9 AR-1268-4 | 9.312 | 8.096 | 83445833 | 95583754 | 727.421 | 750.941 |
| 45) | L9 AR-1268-5 | 9.722 | 8.386 | 624.8E6 | 764.5E6 | 737.635 | 751.645 |

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

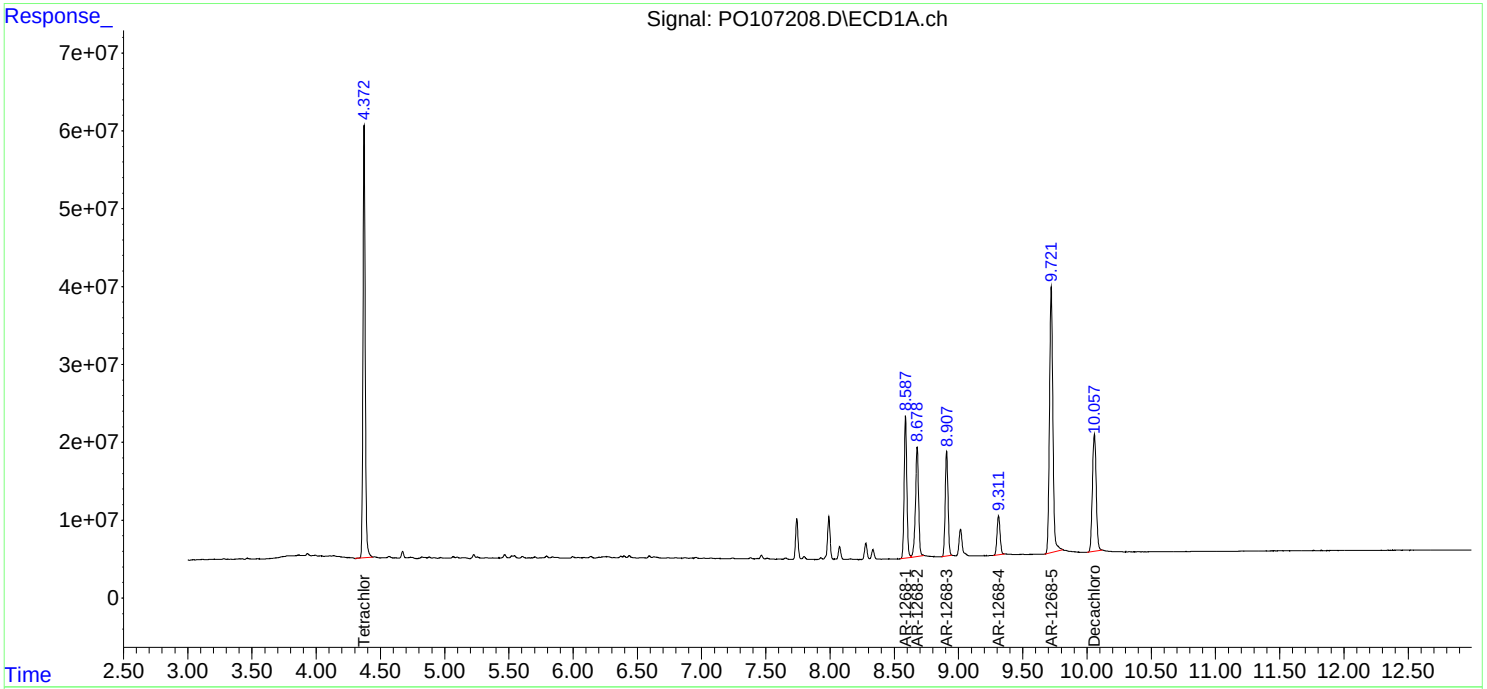
ICAL Form

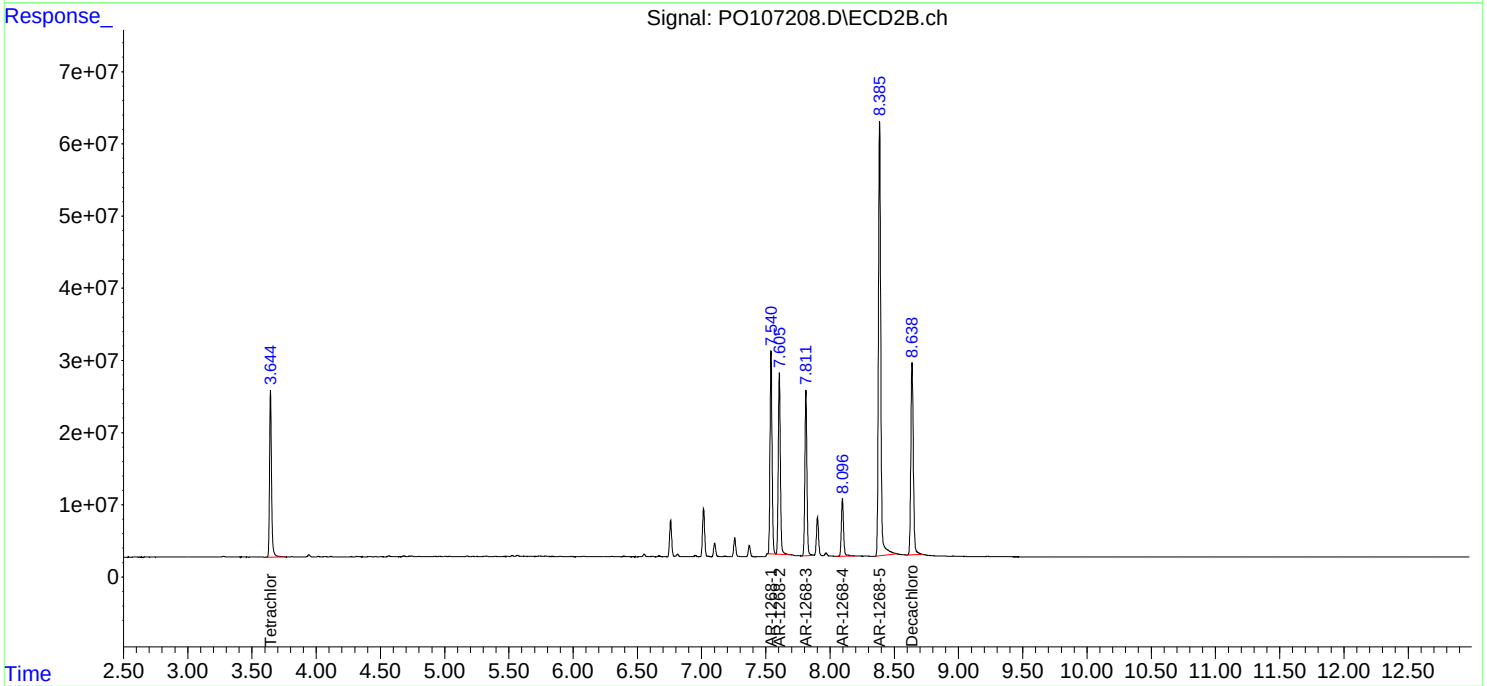
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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... | 4.373 | 3.645 | 465.6E6 | 170.8E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.057 | 8.637 | 212.1E6 | 241.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 182.3E6 | 206.9E6 | 500.000 | 500.000 |
| 42) | L9 AR-1268-2 | 8.678 | 7.605 | 162.4E6 | 191.8E6 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 8.907 | 7.811 | 141.3E6 | 169.8E6 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.312 | 8.096 | 57357297 | 63642681 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 9.721 | 8.385 | 423.5E6 | 508.5E6 | 500.000 | 500.000 |

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

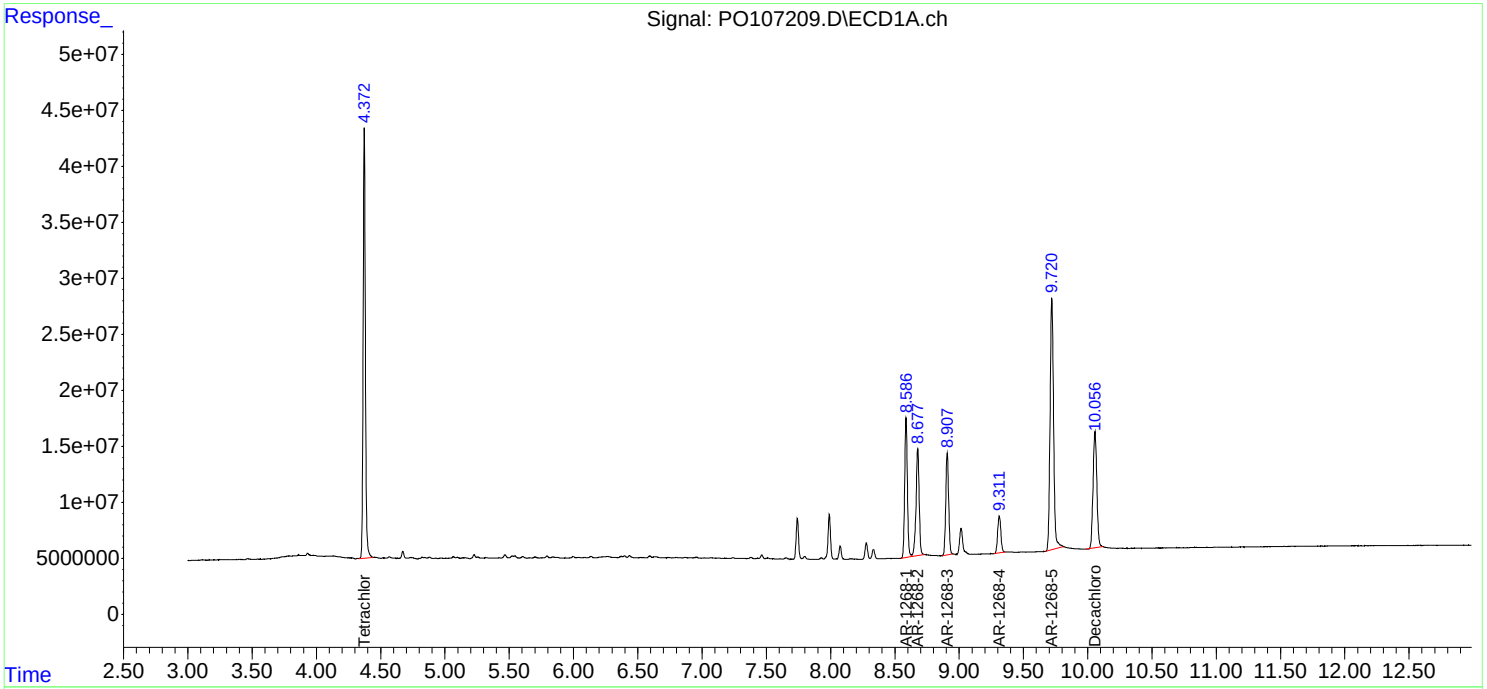
ICAL Form

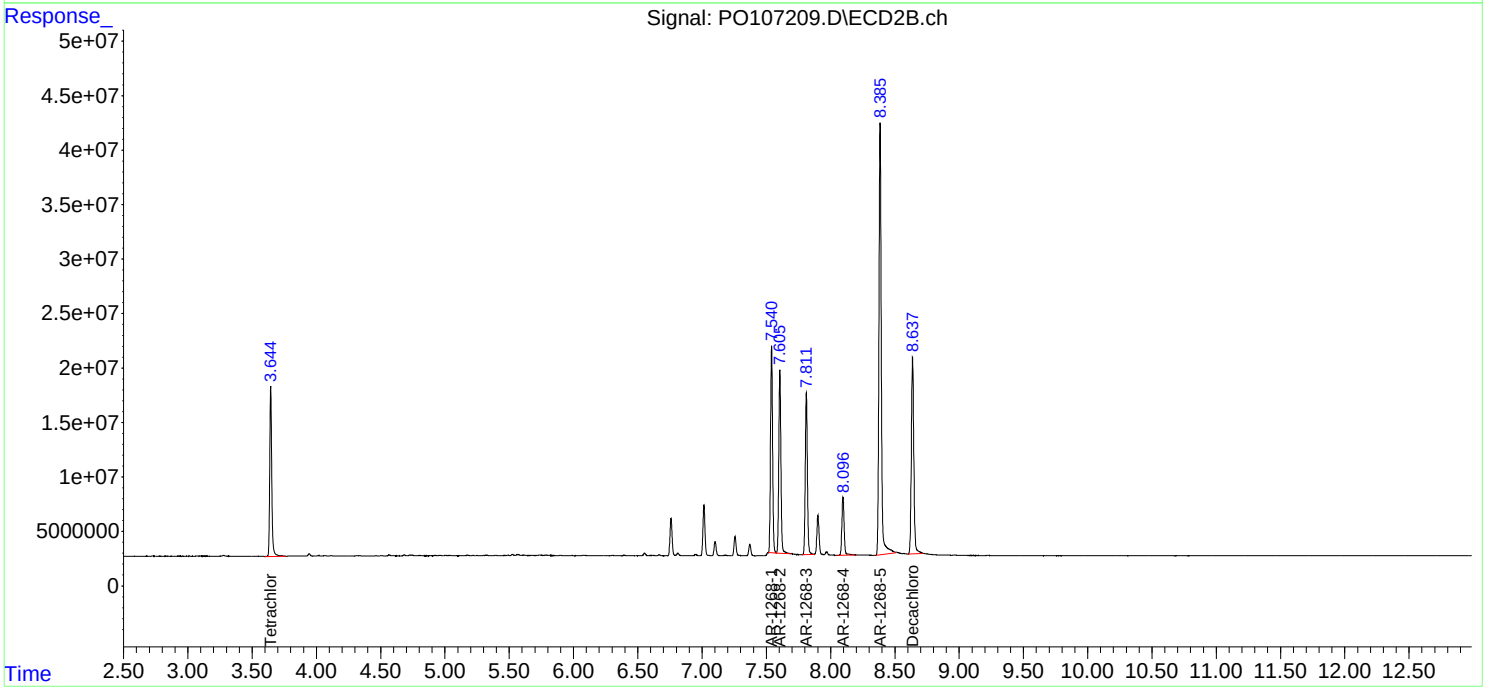
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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... | 4.373 | 3.644 | 237.4E6 | 83283643 | 25.493 | 24.380 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 110.0E6 | 122.3E6 | 25.930 | 25.345 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.588 | 7.541 | 95440132 | 102.7E6 | 261.750 | 248.179 |
| 42) | L9 AR-1268-2 | 8.679 | 7.606 | 84909424 | 94674968 | 261.370 | 246.859 |
| 43) | L9 AR-1268-3 | 8.908 | 7.812 | 73384675 | 84688940 | 259.658 | 249.426 |
| 44) | L9 AR-1268-4 | 9.314 | 8.097 | 29107021 | 32315199 | 253.734 | 253.880 |
| 45) | L9 AR-1268-5 | 9.721 | 8.386 | 216.1E6 | 249.1E6 | 255.104 | 244.896 |

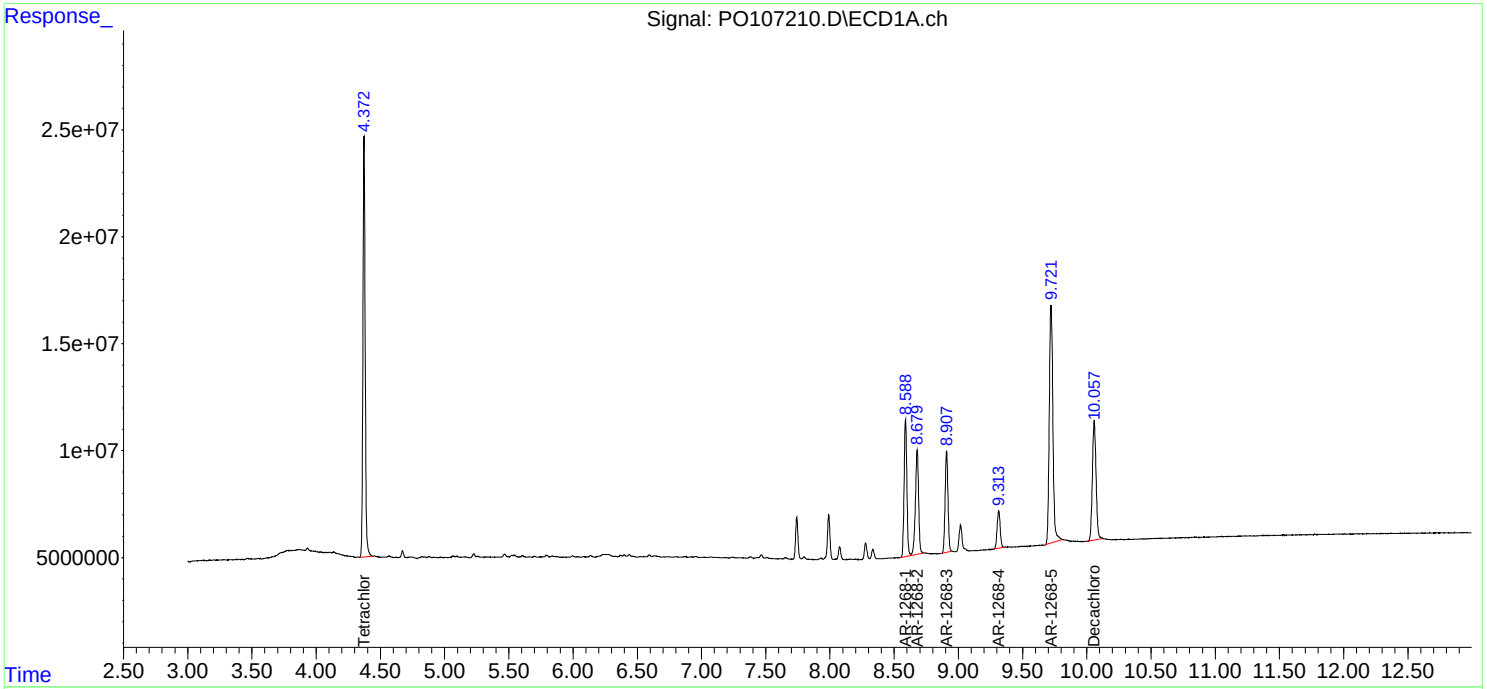
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

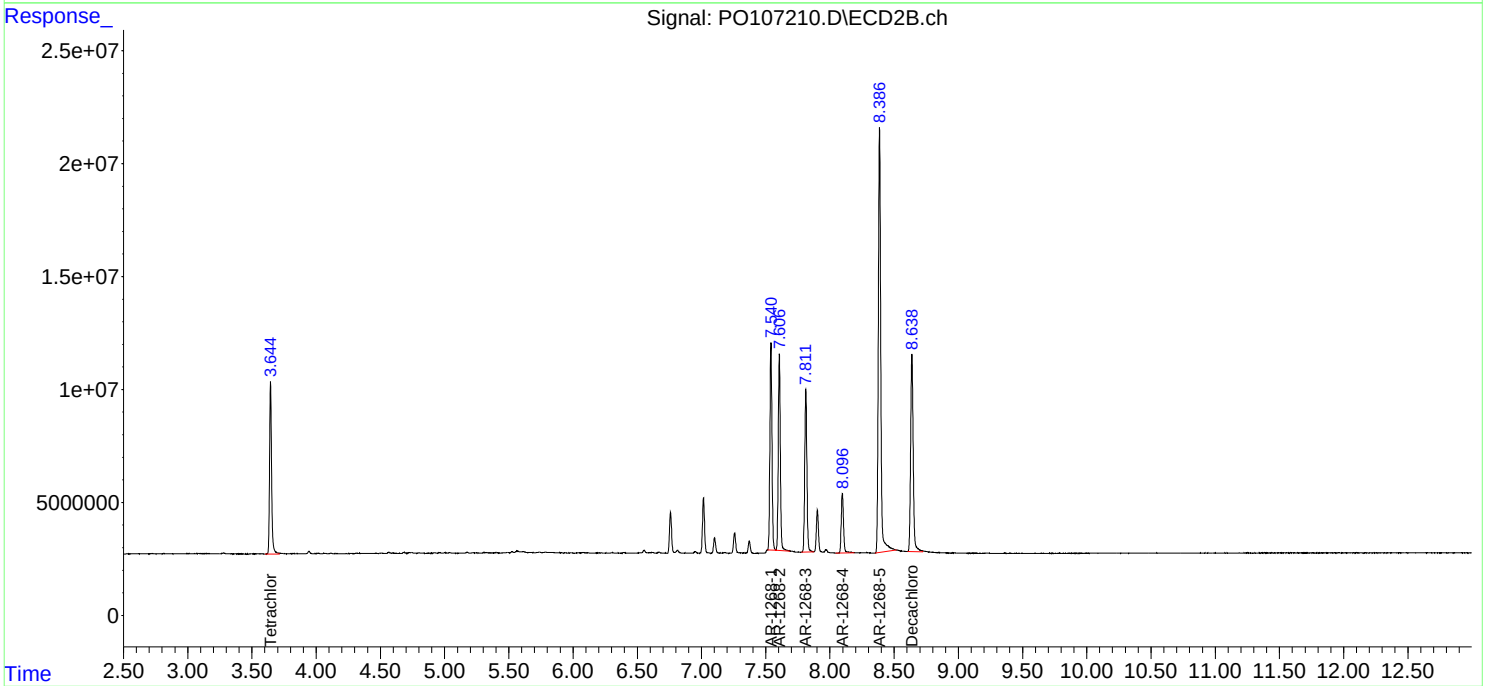
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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... | 4.373 | 3.645 | 44759505 | 14819032 | 4.807 | 4.338 |
| 2) | SA Decachlor... | 10.056 | 8.638 | 20020423 | 22152727 | 4.720 | 4.593 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 18469024 | 18447765 | 50.652m | 44.575 |
| 42) | L9 AR-1268-2 | 8.679 | 7.606 | 16014978 | 16717280 | 49.298 | 43.589 |
| 43) | L9 AR-1268-3 | 8.908 | 7.811 | 13783097 | 15350219 | 48.769 | 45.209 |
| 44) | L9 AR-1268-4 | 9.314 | 8.097 | 5072917 | 5687474 | 44.222 | 44.683 |
| 45) | L9 AR-1268-5 | 9.723 | 8.385 | 39053378 | 42842014 | 46.104 | 42.123 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

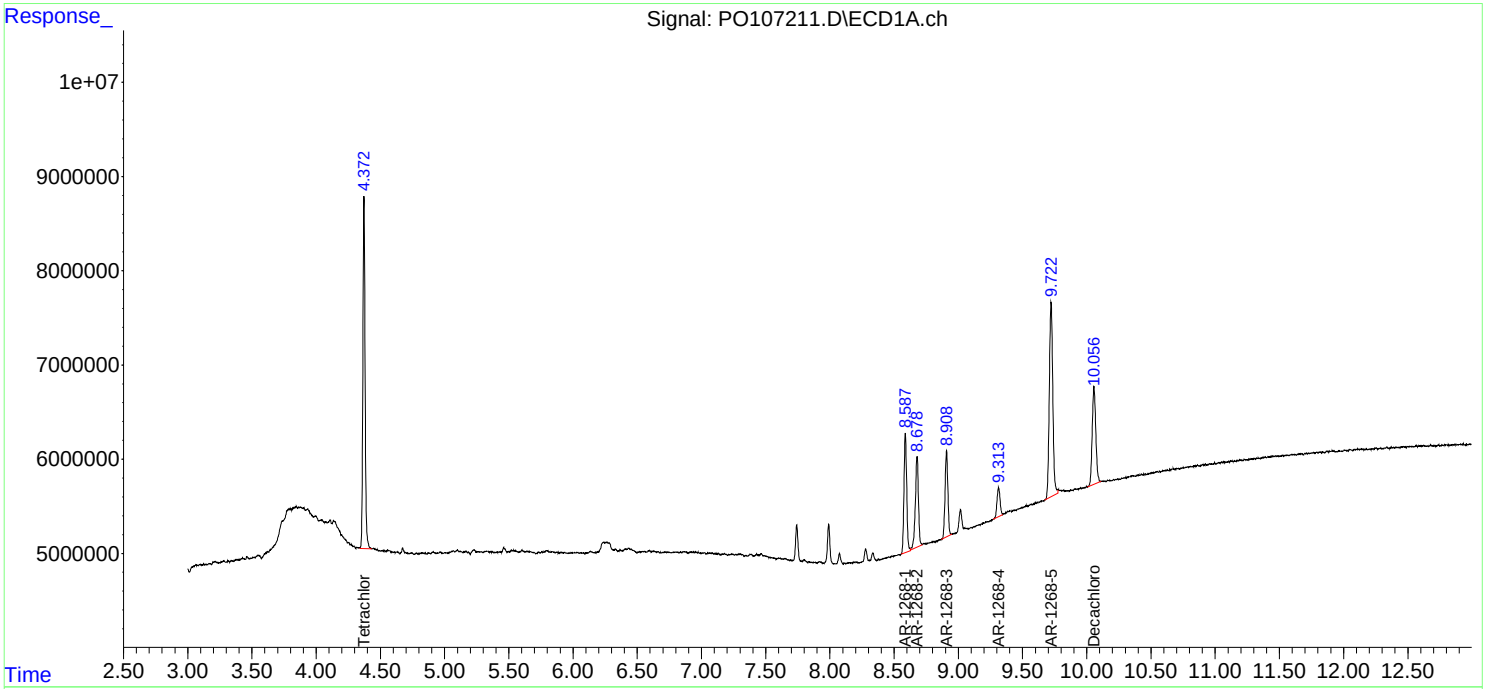
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

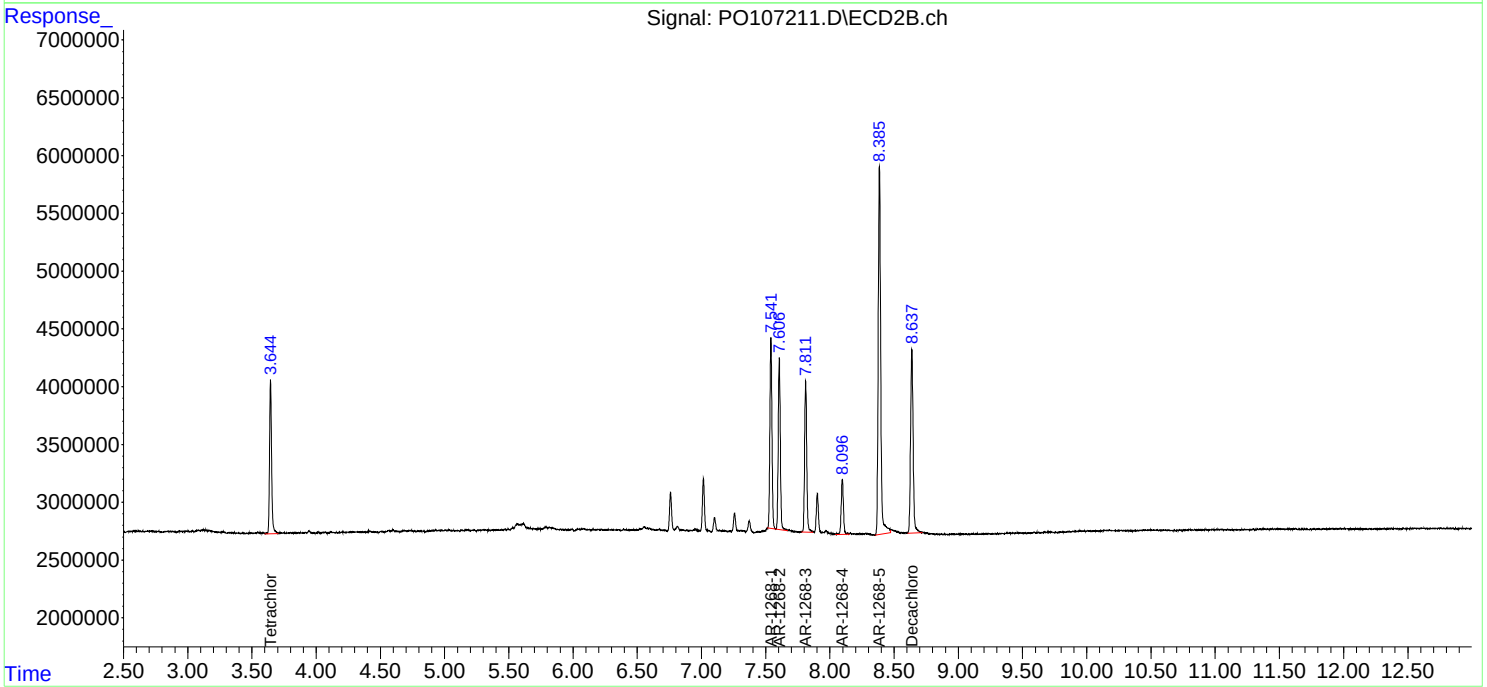
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 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... | 4.372 | 3.644 | 465.3E6 | 164.4E6 | 51.058 | 51.086 |
| 2) SA | Decachlor... | 10.056 | 8.638 | 123.9E6 | 136.1E6 | 50.497 | 49.626 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.521 | 4.726 | 134.9E6 | 51843655 | 500.111 | 502.042 |
| 4) L1 | AR-1016-2 | 5.543 | 4.745 | 197.8E6 | 72270469 | 498.259 | 512.674 |
| 5) L1 | AR-1016-3 | 5.606 | 4.920 | 128.2E6 | 39765886 | 510.233 | 504.992 |
| 6) L1 | AR-1016-4 | 5.702 | 4.962 | 100.3E6 | 33242228 | 520.863 | 502.845 |
| 7) L1 | AR-1016-5 | 5.997 | 5.175 | 96027789 | 42039253 | 525.737 | 511.838 |
| 31) L7 | AR-1260-1 | 7.123 | 6.207 | 127.8E6 | 78048903 | 494.246 | 503.040 |
| 32) L7 | AR-1260-2 | 7.380 | 6.394 | 129.5E6 | 92023271 | 492.099 | 522.516 |
| 33) L7 | AR-1260-3 | 7.741 | 6.547 | 88394667 | 86099269 | 491.778 | 513.265 |
| 34) L7 | AR-1260-4 | 7.966 | 7.018 | 84877632 | 73152631 | 483.623 | 505.614 |
| 35) L7 | AR-1260-5 | 8.279 | 7.258 | 138.1E6 | 168.0E6 | 485.508 | 510.033 |

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

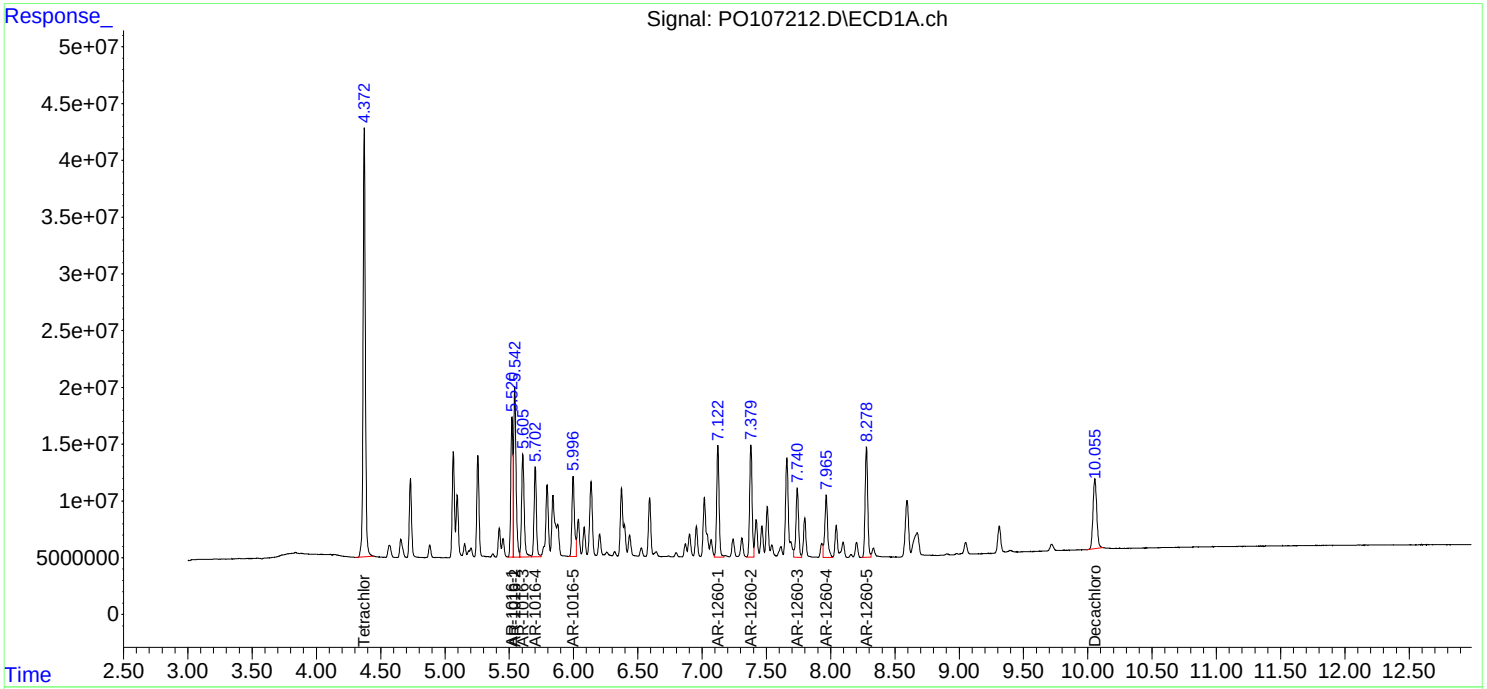
ICAL Form

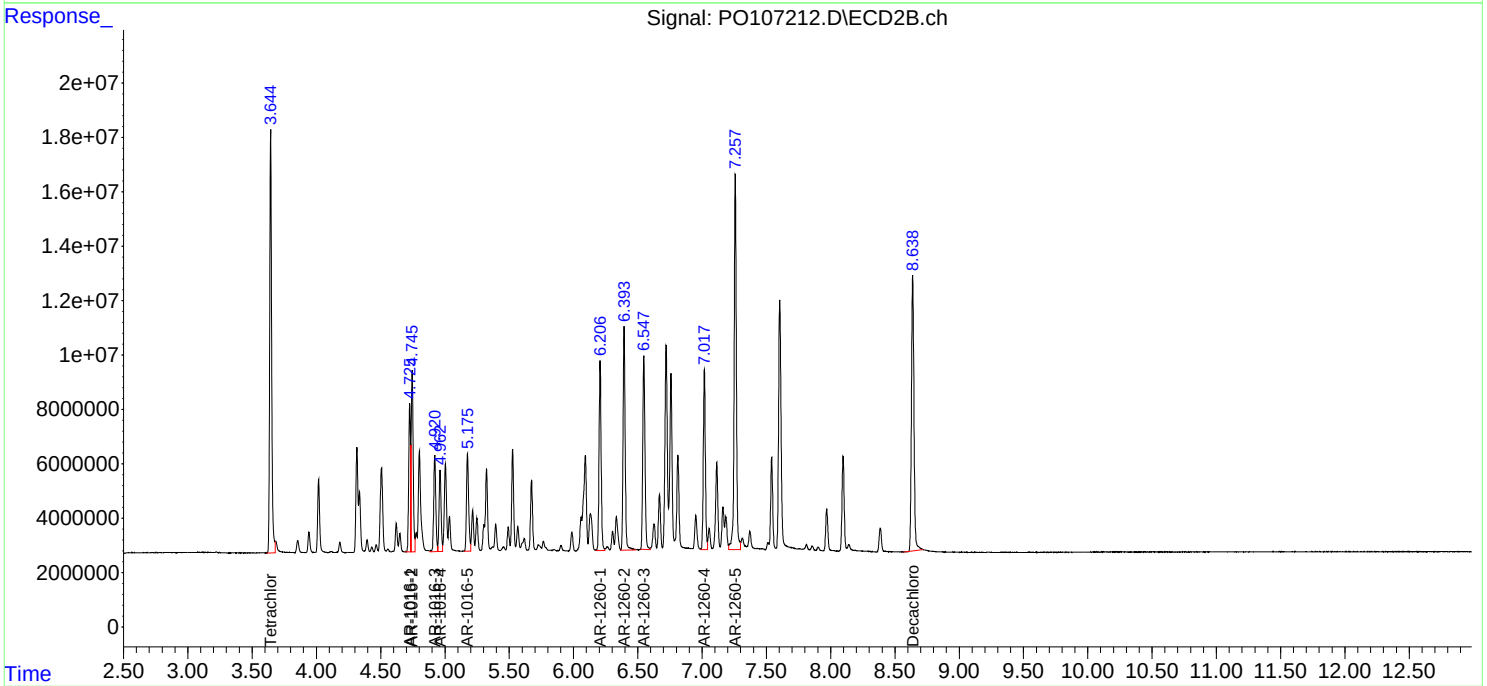
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 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... | 4.373 | 3.644 | 462.5E6 | 169.0E6 | 51.003 | 52.312 |
| 2) | SA Decachlor... | 10.058 | 8.637 | 124.4E6 | 137.6E6 | 50.838 | 50.298 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.726 | 112.5E6 | 42391283 | 503.251 | 506.204 |
| 17) | L4 AR-1242-2 | 5.544 | 4.745 | 161.7E6 | 59212746 | 499.677 | 512.049 |
| 18) | L4 AR-1242-3 | 5.606 | 4.921 | 104.8E6 | 32647360 | 501.419 | 514.673 |
| 19) | L4 AR-1242-4 | 5.703 | 5.004 | 80827975 | 32698937 | 505.157 | 510.527 |
| 20) | L4 AR-1242-5 | 6.436 | 5.526 | 77500840 | 39282831 | 495.270 | 506.721 |

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

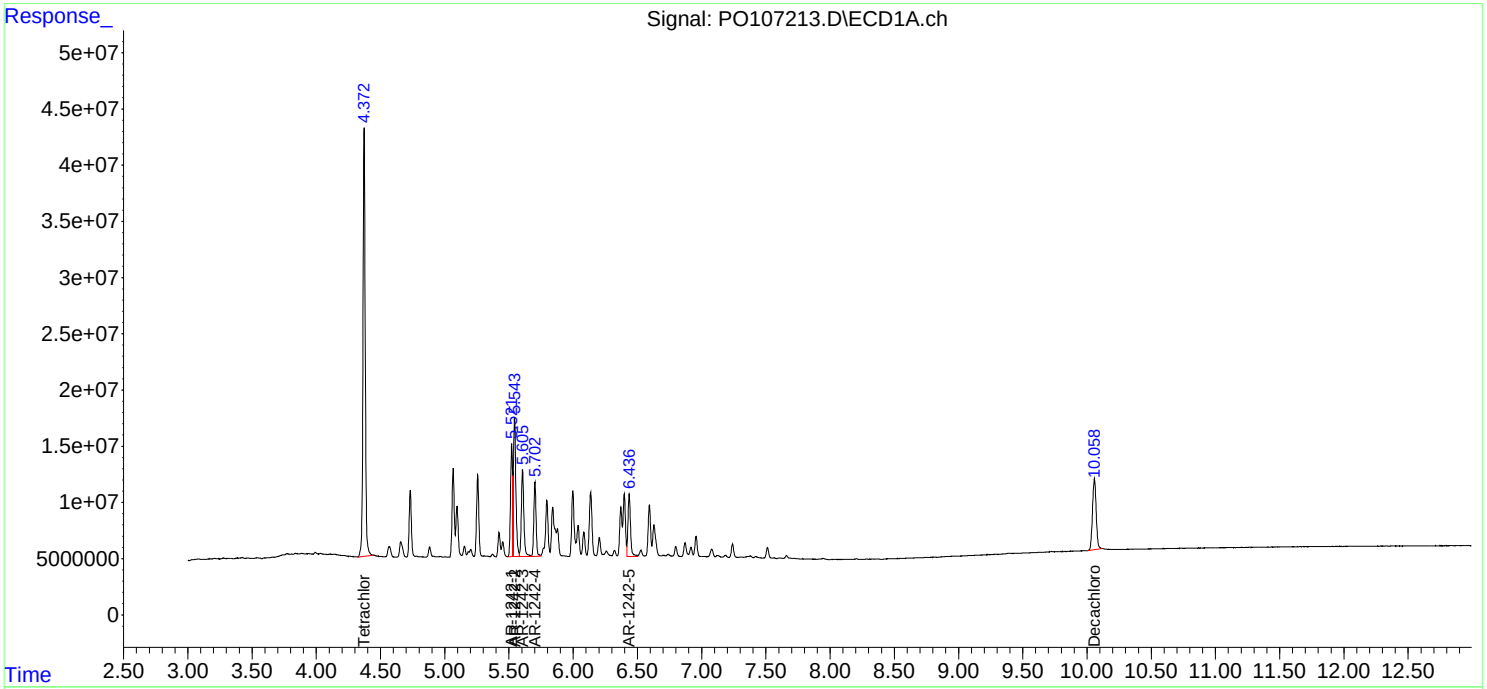
ICAL Form

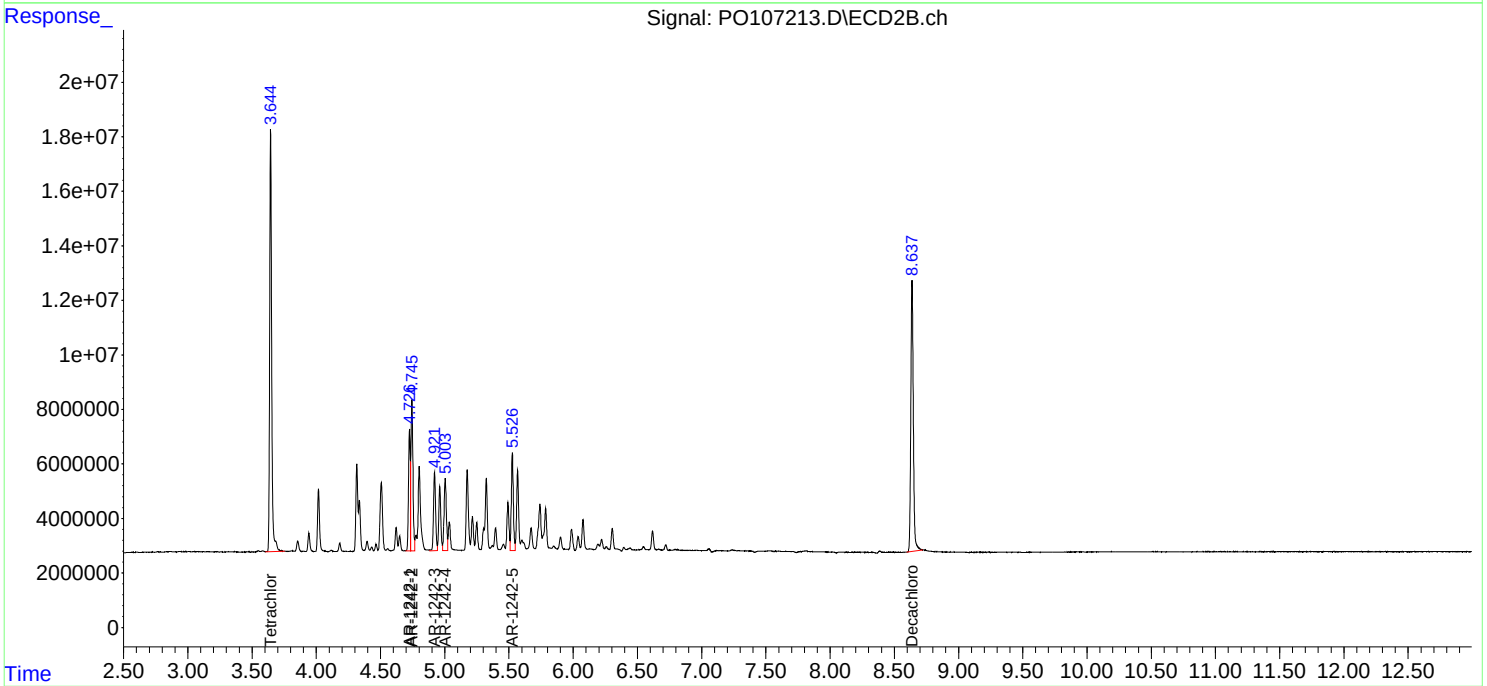
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 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... | 4.372 | 3.644 | 468.2E6 | 171.8E6 | 51.242 | 52.316 |
| 2) | SA Decachlor... | 10.056 | 8.637 | 126.4E6 | 139.3E6 | 51.882 | 50.991 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 87306267 | 32470217 | 502.117 | 511.816 |
| 22) | L5 AR-1248-2 | 5.794 | 4.962 | 126.0E6 | 46450269 | 498.018 | 507.736 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 130.0E6 | 48736000 | 508.271 | 510.896 |
| 24) | L5 AR-1248-4 | 6.397 | 5.175 | 129.0E6 | 57212370 | 500.494 | 510.195 |
| 25) | L5 AR-1248-5 | 6.436 | 5.567 | 130.2E6 | 54714064 | 500.737 | 496.185 |

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

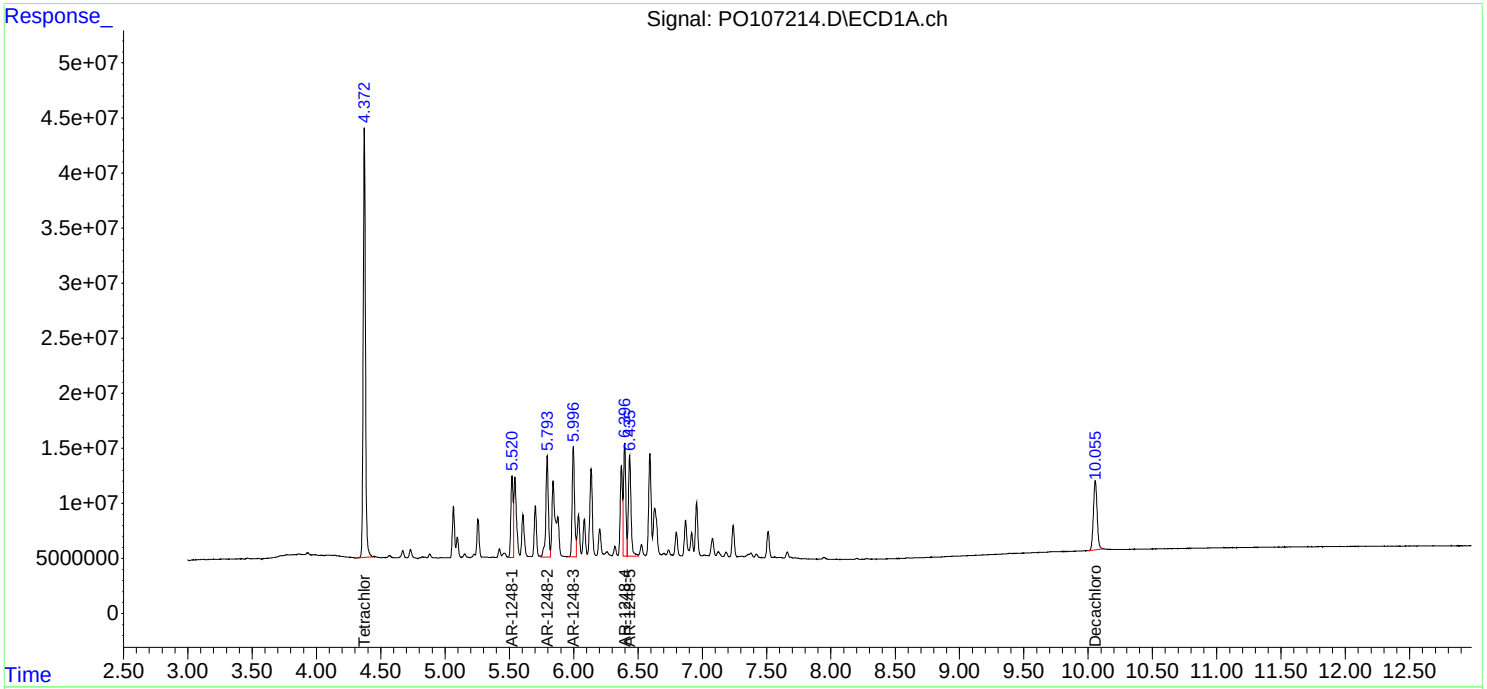
ICAL Form

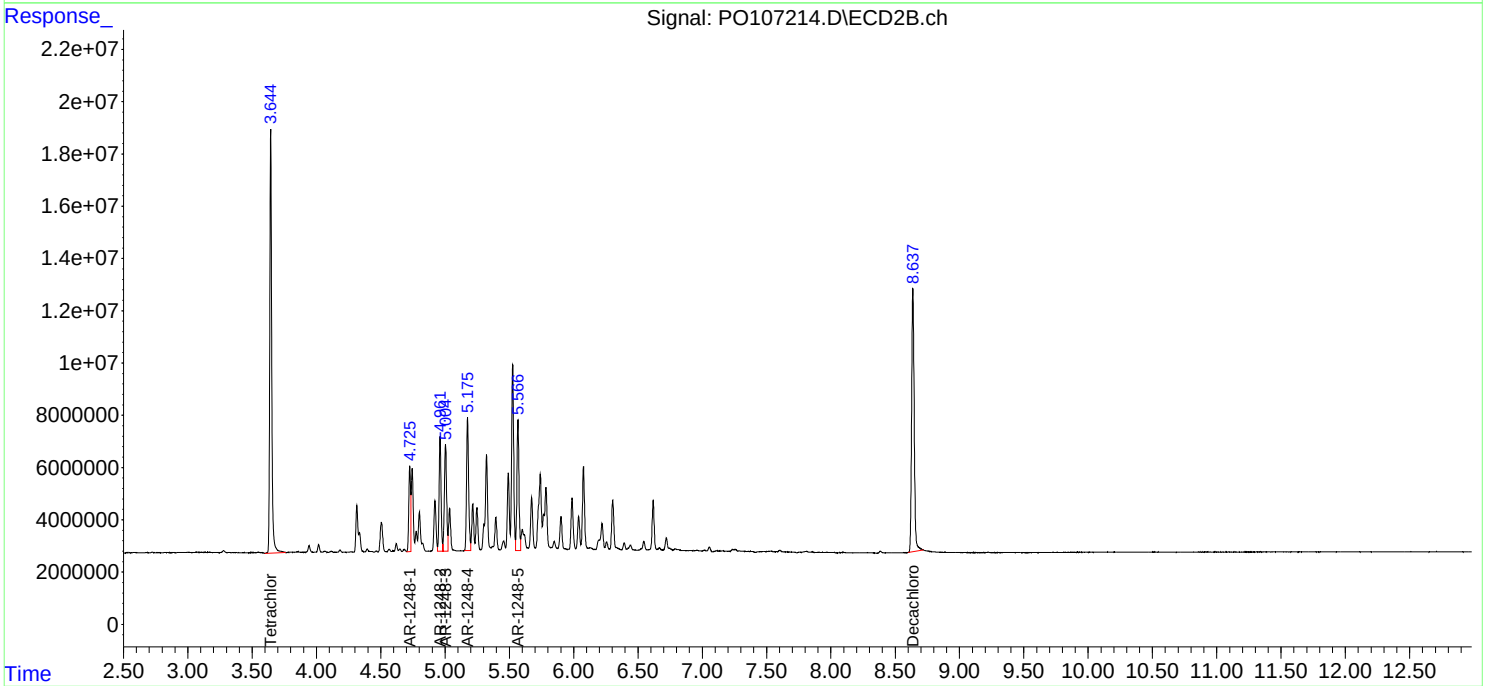
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 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... | 4.372 | 3.644 | 461.3E6 | 168.2E6 | 50.657 | 51.320 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 125.1E6 | 138.4E6 | 51.131 | 50.597 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.527 | 132.5E6 | 83096071 | 492.928 | 504.260 |
| 27) | L6 AR-1254-2 | 6.592 | 5.673 | 186.6E6 | 72524753 | 494.424 | 500.299 |
| 28) | L6 AR-1254-3 | 6.956 | 6.077 | 177.6E6 | 116.6E6 | 496.443 | 508.012 |
| 29) | L6 AR-1254-4 | 7.242 | 6.304 | 112.6E6 | 65655140 | 490.851 | 507.289 |
| 30) | L6 AR-1254-5 | 7.661 | 6.722 | 102.5E6 | 98535916 | 493.779 | 515.754 |

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

Quantitation Report (QT Reviewed)

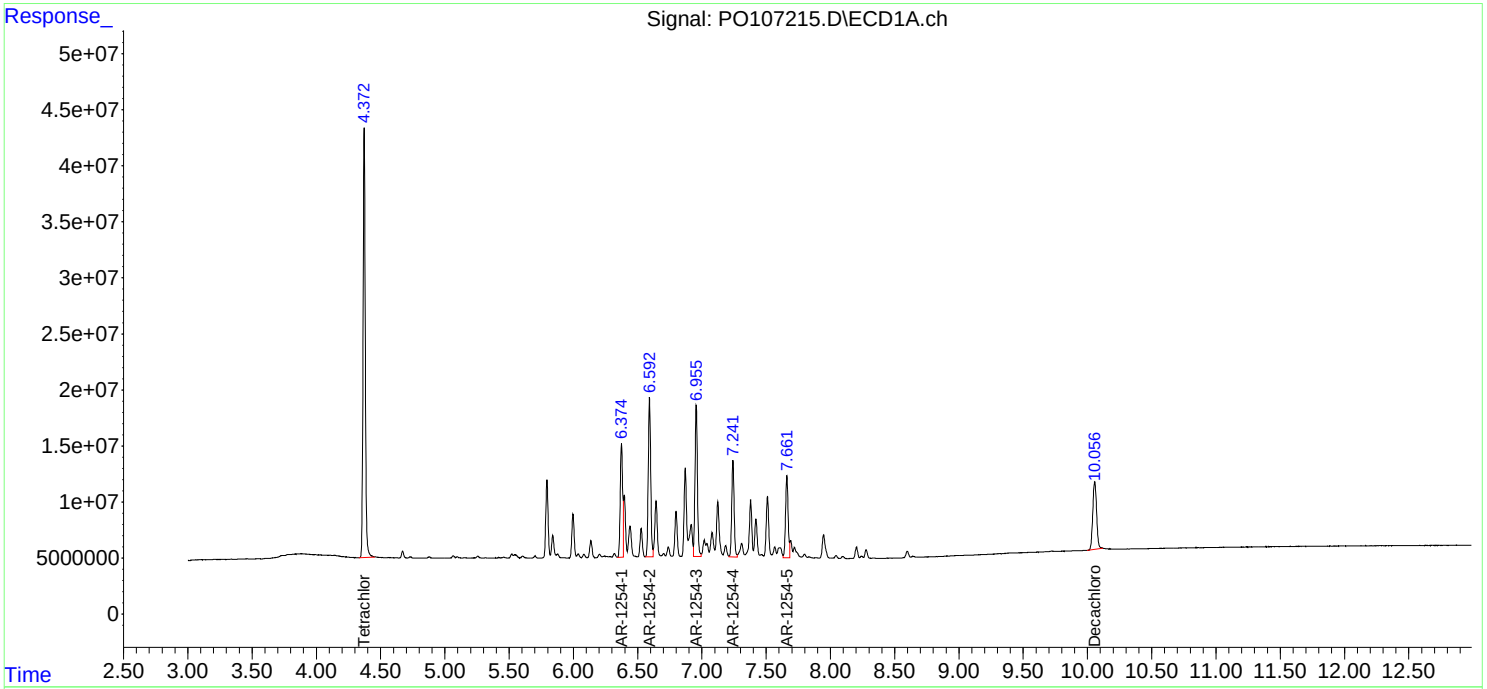
ICAL Form

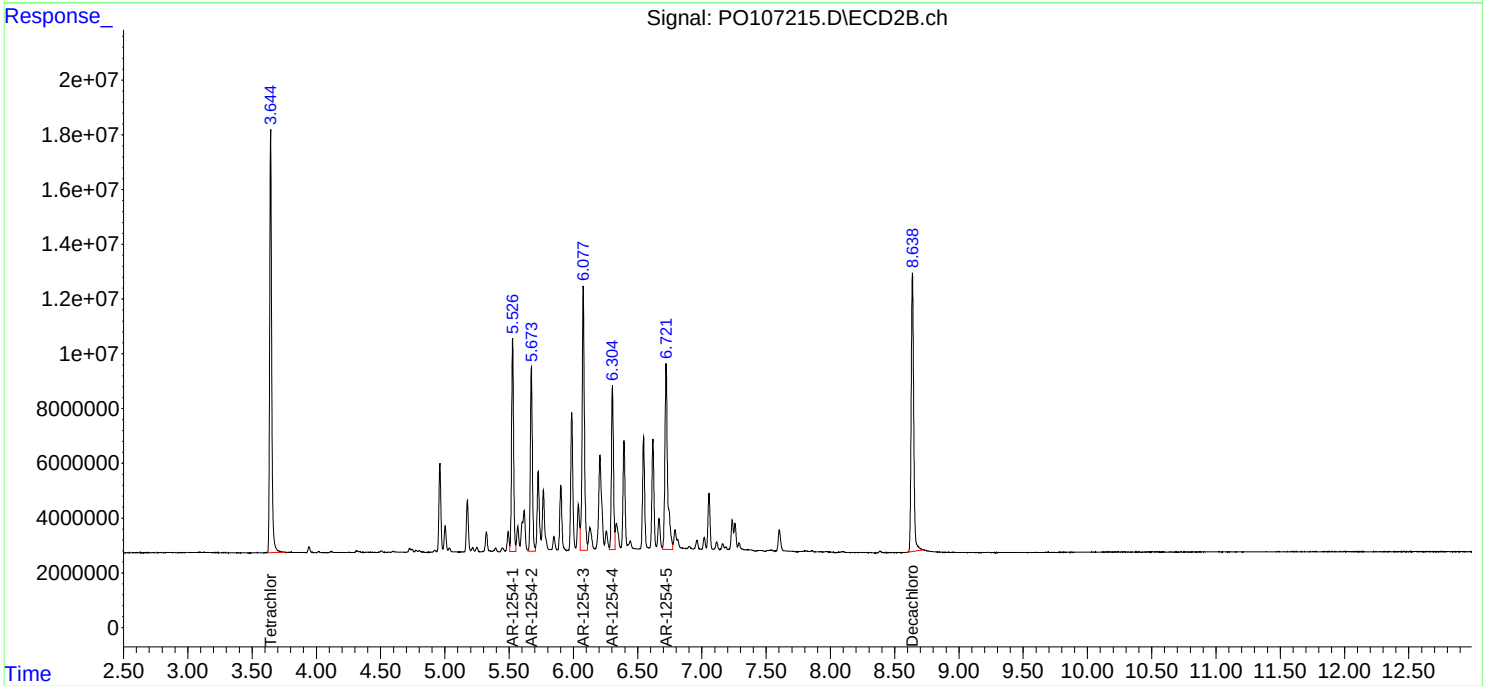
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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... | 4.372 | 3.644 | 461.5E6 | 169.8E6 | 49.559 | 49.696 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 214.2E6 | 240.5E6 | 50.485 | 49.870 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.588 | 7.541 | 182.7E6 | 207.4E6 | 501.152 | 501.118 |
| 42) | L9 AR-1268-2 | 8.678 | 7.606 | 163.0E6 | 192.3E6 | 501.726 | 501.439 |
| 43) | L9 AR-1268-3 | 8.907 | 7.812 | 141.7E6 | 170.9E6 | 501.280 | 503.353 |
| 44) | L9 AR-1268-4 | 9.313 | 8.096 | 57558867 | 64279608 | 501.757 | 505.004 |
| 45) | L9 AR-1268-5 | 9.721 | 8.385 | 423.5E6 | 510.6E6 | 499.926 | 501.994 |

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

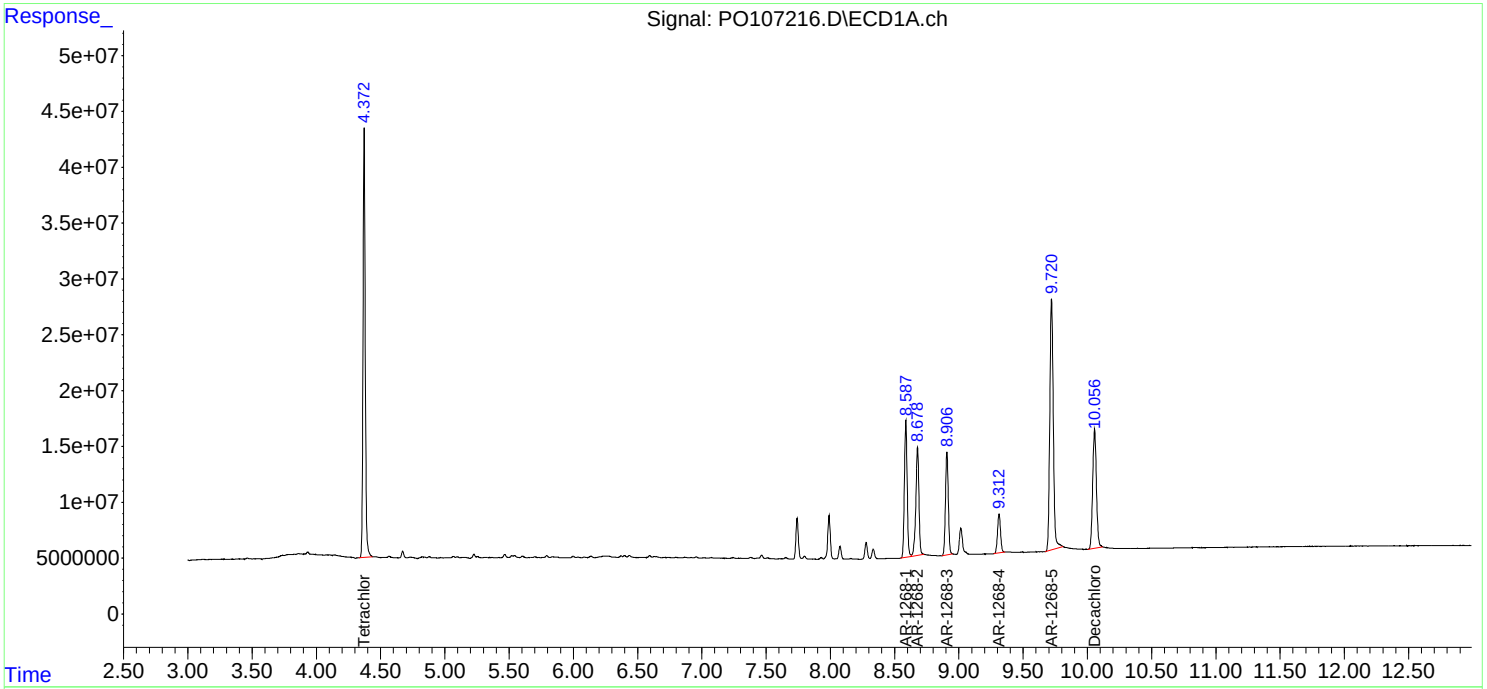
ICAL Form

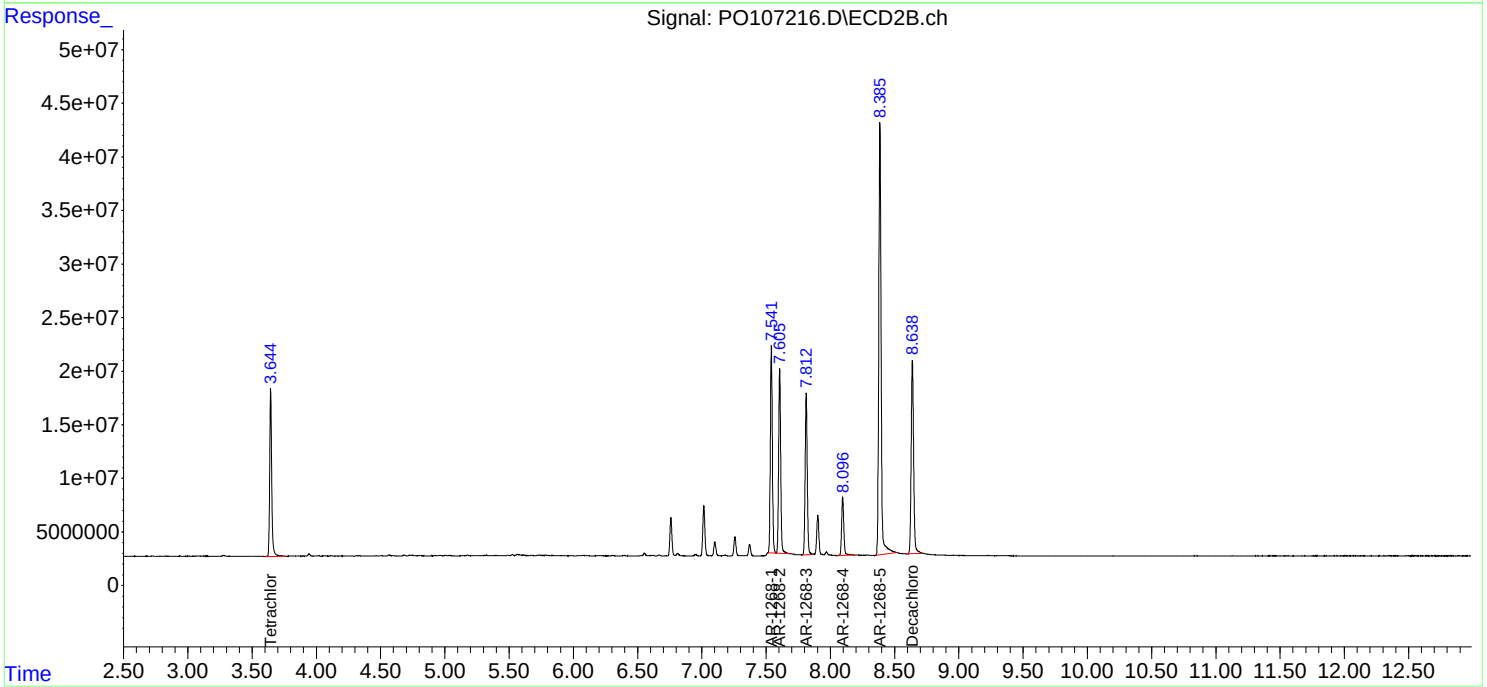
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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



Raw Data

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.82 | 6.02 |
| Aroclor-1016-2 | (2) | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.84 | 6.04 |
| Aroclor-1016-3 | (3) | 6.00 | 6.00 | 6.01 | 6.00 | 6.01 | 6.00 | 5.90 | 6.10 |
| Aroclor-1016-4 | (4) | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.00 | 6.20 |
| Aroclor-1016-5 | (5) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1260-1 | (1) | 7.52 | 7.52 | 7.52 | 7.52 | 7.52 | 7.52 | 7.42 | 7.62 |
| Aroclor-1260-2 | (2) | 7.77 | 7.77 | 7.78 | 7.77 | 7.77 | 7.77 | 7.67 | 7.87 |
| Aroclor-1260-3 | (3) | 8.13 | 8.14 | 8.14 | 8.14 | 8.14 | 8.14 | 8.04 | 8.24 |
| Aroclor-1260-4 | (4) | 8.37 | 8.37 | 8.38 | 8.37 | 8.37 | 8.37 | 8.27 | 8.47 |
| Aroclor-1260-5 | (5) | 8.71 | 8.71 | 8.71 | 8.71 | 8.71 | 8.71 | 8.61 | 8.81 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.75 | 4.75 | 4.76 | 4.75 | 4.76 | 4.75 | 4.65 | 4.85 |
| Aroclor-1242-1 | (1) | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.82 | 6.02 |
| Aroclor-1242-2 | (2) | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.84 | 6.04 |
| Aroclor-1242-3 | (3) | 6.01 | 6.01 | 6.00 | 6.01 | 6.01 | 6.01 | 5.91 | 6.11 |
| Aroclor-1242-4 | (4) | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.00 | 6.20 |
| Aroclor-1242-5 | (5) | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.74 | 6.94 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.76 | 4.76 | 4.75 | 4.76 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1248-1 | (1) | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.82 | 6.02 |
| Aroclor-1248-2 | (2) | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.09 | 6.29 |
| Aroclor-1248-3 | (3) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1248-4 | (4) | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.70 | 6.90 |
| Aroclor-1248-5 | (5) | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.74 | 6.94 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.66 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1254-1 | (1) | 6.77 | 6.77 | 6.77 | 6.77 | 6.77 | 6.77 | 6.67 | 6.87 |
| Aroclor-1254-2 | (2) | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.89 | 7.09 |
| Aroclor-1254-3 | (3) | 7.36 | 7.36 | 7.35 | 7.36 | 7.36 | 7.36 | 7.26 | 7.46 |
| Aroclor-1254-4 | (4) | 7.64 | 7.64 | 7.64 | 7.64 | 7.64 | 7.64 | 7.54 | 7.74 |
| Aroclor-1254-5 | (5) | 8.06 | 8.06 | 8.06 | 8.06 | 8.06 | 8.06 | 7.96 | 8.16 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.66 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.76 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1268-1 | (1) | 9.05 | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 | 8.94 | 9.14 |
| Aroclor-1268-2 | (2) | 9.15 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.04 | 9.24 |
| Aroclor-1268-3 | (3) | 9.40 | 9.39 | 9.40 | 9.39 | 9.40 | 9.40 | 9.30 | 9.50 |
| Aroclor-1268-4 | (4) | 9.84 | 9.84 | 9.84 | 9.84 | 9.84 | 9.84 | 9.74 | 9.94 |
| Aroclor-1268-5 | (5) | 10.30 | 10.29 | 10.29 | 10.29 | 10.29 | 10.29 | 10.19 | 10.39 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | 4.76 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1016-2 | (2) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1016-3 | (3) | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.26 | 5.46 |
| Aroclor-1016-4 | (4) | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.30 | 5.50 |
| Aroclor-1016-5 | (5) | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.52 | 5.72 |
| Aroclor-1260-1 | (1) | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.56 | 6.76 |
| Aroclor-1260-2 | (2) | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.75 | 6.95 |
| Aroclor-1260-3 | (3) | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 6.91 | 7.11 |
| Aroclor-1260-4 | (4) | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.38 | 7.58 |
| Aroclor-1260-5 | (5) | 7.72 | 7.72 | 7.72 | 7.72 | 7.72 | 7.72 | 7.62 | 7.82 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1242-1 | (1) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1242-2 | (2) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1242-3 | (3) | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.26 | 5.46 |
| Aroclor-1242-4 | (4) | 5.45 | 5.45 | 5.45 | 5.44 | 5.45 | 5.45 | 5.35 | 5.55 |
| Aroclor-1242-5 | (5) | 5.97 | 5.98 | 5.98 | 5.97 | 5.98 | 5.98 | 5.88 | 6.08 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1248-1 | (1) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1248-2 | (2) | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.30 | 5.50 |
| Aroclor-1248-3 | (3) | 5.44 | 5.45 | 5.44 | 5.44 | 5.45 | 5.44 | 5.34 | 5.54 |
| Aroclor-1248-4 | (4) | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.52 | 5.72 |
| Aroclor-1248-5 | (5) | 6.02 | 6.02 | 6.02 | 6.02 | 6.02 | 6.02 | 5.92 | 6.12 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1254-1 | (1) | 5.98 | 5.97 | 5.98 | 5.98 | 5.98 | 5.98 | 5.88 | 6.08 |
| Aroclor-1254-2 | (2) | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.02 | 6.22 |
| Aroclor-1254-3 | (3) | 6.53 | 6.53 | 6.53 | 6.53 | 6.53 | 6.53 | 6.43 | 6.63 |
| Aroclor-1254-4 | (4) | 6.76 | 6.76 | 6.76 | 6.76 | 6.76 | 6.76 | 6.66 | 6.86 |
| Aroclor-1254-5 | (5) | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.08 | 7.28 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1268-1 | (1) | 8.01 | 8.01 | 8.01 | 8.01 | 8.01 | 8.01 | 7.91 | 8.11 |
| Aroclor-1268-2 | (2) | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 7.97 | 8.17 |
| Aroclor-1268-3 | (3) | 8.29 | 8.29 | 8.29 | 8.29 | 8.29 | 8.29 | 8.19 | 8.39 |
| Aroclor-1268-4 | (4) | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.50 | 8.70 |
| Aroclor-1268-5 | (5) | 8.93 | 8.93 | 8.93 | 8.92 | 8.93 | 8.93 | 8.83 | 9.03 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

**CF 500 =** PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 31263736 | 32233361 | 34196172 | 36221284 | 31418860 | 33066683 | 6 |
| Aroclor-1016-2 | (2) | 45702590 | 47619661 | 49829602 | 53216480 | 47485960 | 48770859 | 6 |
| Aroclor-1016-3 | (3) | 29655293 | 30980703 | 32521866 | 34545868 | 29856000 | 31511946 | 6 |
| Aroclor-1016-4 | (4) | 24305642 | 24965132 | 26130902 | 27480568 | 25835960 | 25743641 | 5 |
| Aroclor-1016-5 | (5) | 25253642 | 26507995 | 28106138 | 29556500 | 25910240 | 27066903 | 6 |
| Aroclor-1260-1 | (1) | 48881600 | 51062627 | 53497292 | 60189956 | 56487000 | 54023695 | 8 |
| Aroclor-1260-2 | (2) | 57303356 | 59473712 | 62743556 | 68896016 | 67937280 | 63270784 | 8 |
| Aroclor-1260-3 | (3) | 47767972 | 49860571 | 52672962 | 57075820 | 51866880 | 51848841 | 7 |
| Aroclor-1260-4 | (4) | 55679811 | 58146343 | 61152700 | 66302976 | 59690240 | 60194414 | 7 |
| Aroclor-1260-5 | (5) | 101142428 | 103711039 | 108382514 | 116162164 | 109162380 | 107712105 | 5 |
| Decachlorobiphenyl | | 1047572970 | 1092521333 | 1163088620 | 1272493760 | 1180845600 | 1151304457 | 8 |
| Tetrachloro-m-xylene | | 918389550 | 937648760 | 969374660 | 977965440 | 824831600 | 925642002 | 7 |
| Aroclor-1242-1 | (1) | 26136486 | 27020177 | 28880182 | 30131840 | 27517000 | 27937137 | 6 |
| Aroclor-1242-2 | (2) | 37560737 | 39520053 | 41823206 | 43424048 | 40845460 | 40634701 | 5 |
| Aroclor-1242-3 | (3) | 24775066 | 25964975 | 27626992 | 28013716 | 28443000 | 26964750 | 6 |
| Aroclor-1242-4 | (4) | 19919938 | 20877219 | 22020082 | 22198916 | 22236220 | 21450475 | 5 |
| Aroclor-1242-5 | (5) | 22664411 | 23310707 | 24494326 | 25449828 | 24710200 | 24125894 | 5 |
| Decachlorobiphenyl | | 1049846500 | 1096431853 | 1183590260 | 1273416280 | 1210794800 | 1162815939 | 8 |
| Tetrachloro-m-xylene | | 918045770 | 945319107 | 991838280 | 988565840 | 844744200 | 937702639 | 6 |
| Aroclor-1248-1 | (1) | 19592099 | 21187299 | 21900336 | 23649416 | 20785280 | 21422886 | 7 |
| Aroclor-1248-2 | (2) | 29912773 | 32262593 | 34275072 | 36926580 | 34706360 | 33616676 | 8 |
| Aroclor-1248-3 | (3) | 33038688 | 35344895 | 37623064 | 40558304 | 36562360 | 36625462 | 8 |
| Aroclor-1248-4 | (4) | 36925252 | 39416441 | 41800322 | 44728924 | 39382640 | 40450716 | 7 |
| Aroclor-1248-5 | (5) | 36740691 | 38953265 | 40984016 | 43781648 | 37845340 | 39660992 | 7 |
| Decachlorobiphenyl | | 1055450820 | 1109667187 | 1169649200 | 1282118000 | 1302489400 | 1183874921 | 9 |
| Tetrachloro-m-xylene | | 902146960 | 926581653 | 953867240 | 992359080 | 895156800 | 934022347 | 4 |
| Aroclor-1254-1 | (1) | 40350769 | 42082559 | 45284156 | 48868552 | 47326420 | 44782491 | 8 |
| Aroclor-1254-2 | (2) | 59814731 | 62129524 | 65787698 | 71625140 | 71131660 | 66097751 | 8 |
| Aroclor-1254-3 | (3) | 64043672 | 65831181 | 69388346 | 74782692 | 73217700 | 69452718 | 7 |
| Aroclor-1254-4 | (4) | 45989306 | 47460167 | 50157578 | 54420004 | 51495700 | 49904551 | 7 |
| Aroclor-1254-5 | (5) | 54192853 | 57072867 | 59852552 | 64108404 | 61236860 | 59292707 | 6 |
| Decachlorobiphenyl | | 1068499200 | 1106116080 | 1182150460 | 1298012320 | 1262855400 | 1183526692 | 8 |
| Tetrachloro-m-xylene | | 931363580 | 935898013 | 956149560 | 989159640 | 878805200 | 938275199 | 4 |
| Aroclor-1268-1 | (1) | 139515419 | 144470283 | 150997662 | 162718796 | 165540620 | 152648556 | 7 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 125679796 | 130088461 | 136577130 | 145743784 | 144888120 | 136595458 | 6 |
| Aroclor-1268-3 | (3) | 110668977 | 116741077 | 119635012 | 130534268 | 127010440 | 120917955 | 7 |
| Aroclor-1268-4 | (4) | 48063749 | 49890017 | 52720184 | 55641072 | 47784700 | 50819944 | 7 |
| Aroclor-1268-5 | (5) | 348373365 | 356693093 | 372169718 | 389623012 | 400486540 | 373469146 | 6 |
| Decachlorobiphenyl | | 1758376420 | 1827520213 | 1952930880 | 2093924120 | 2163079000 | 1959166127 | 9 |
| Tetrachloro-m-xylene | | 908125750 | 922962547 | 955684560 | 986676760 | 888810200 | 932451963 | 4 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

**CF 500 =** PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 32214100 | 33511487 | 34894776 | 37855020 | 36460880 | 34987253 | 6 |
| Aroclor-1016-2 | (2) | 45072170 | 46943971 | 48711842 | 52177748 | 47937020 | 48168550 | 5 |
| Aroclor-1016-3 | (3) | 25675074 | 27277663 | 27567444 | 28514452 | 25652840 | 26937495 | 5 |
| Aroclor-1016-4 | (4) | 22207756 | 23688287 | 24482426 | 25758704 | 24288360 | 24085107 | 5 |
| Aroclor-1016-5 | (5) | 28303958 | 30184395 | 30998408 | 32062244 | 30500300 | 30409861 | 5 |
| Aroclor-1260-1 | (1) | 51490839 | 53867885 | 56846930 | 62693500 | 59910740 | 56961979 | 8 |
| Aroclor-1260-2 | (2) | 60685581 | 63183867 | 66653346 | 73175968 | 69823160 | 66704384 | 8 |
| Aroclor-1260-3 | (3) | 58195863 | 60818087 | 64471984 | 69084640 | 65935040 | 63701123 | 7 |
| Aroclor-1260-4 | (4) | 51141777 | 52463477 | 55669740 | 60213672 | 56975040 | 55292741 | 7 |
| Aroclor-1260-5 | (5) | 115751172 | 117431688 | 122205526 | 128041940 | 128062520 | 122298569 | 5 |
| Decachlorobiphenyl | | 1016699470 | 1064912133 | 1114817860 | 1215156720 | 1195705800 | 1121458397 | 8 |
| Tetrachloro-m-xylene | | 976302160 | 1002778080 | 1038188640 | 1086259240 | 948485600 | 1010402744 | 5 |
| Aroclor-1242-1 | (1) | 26643227 | 27902807 | 30082486 | 31864192 | 28889440 | 29076430 | 7 |
| Aroclor-1242-2 | (2) | 37173910 | 38324184 | 40855302 | 43058560 | 41326680 | 40147727 | 6 |
| Aroclor-1242-3 | (3) | 21209836 | 21846417 | 23389330 | 23608008 | 22421520 | 22495022 | 5 |
| Aroclor-1242-4 | (4) | 21894421 | 22781385 | 24633780 | 25302636 | 24076280 | 23737700 | 6 |
| Aroclor-1242-5 | (5) | 25904963 | 27452171 | 28860038 | 30792124 | 30238540 | 28649567 | 7 |
| Decachlorobiphenyl | | 1030873660 | 1074484253 | 1144199140 | 1227463640 | 1208383800 | 1137080899 | 7 |
| Tetrachloro-m-xylene | | 979317100 | 1008877893 | 1048426020 | 1079705600 | 995407400 | 1022346803 | 4 |
| Aroclor-1248-1 | (1) | 20323070 | 21892911 | 22863994 | 24075660 | 24163260 | 22663779 | 7 |
| Aroclor-1248-2 | (2) | 29599820 | 31598663 | 33173378 | 36121664 | 34985540 | 33095813 | 8 |
| Aroclor-1248-3 | (3) | 31098926 | 33116664 | 34686272 | 37576628 | 35894680 | 34474634 | 7 |
| Aroclor-1248-4 | (4) | 36529837 | 38774123 | 40329020 | 44225180 | 44921420 | 40955916 | 9 |
| Aroclor-1248-5 | (5) | 34201195 | 35911461 | 37616042 | 40473884 | 39013140 | 37443144 | 7 |
| Decachlorobiphenyl | | 1032353410 | 1073137907 | 1131465640 | 1215505400 | 1241215600 | 1138735591 | 8 |
| Tetrachloro-m-xylene | | 952656120 | 994994613 | 1000591240 | 1068188360 | 991037600 | 1001493587 | 4 |
| Aroclor-1254-1 | (1) | 53478224 | 54895953 | 58959138 | 64085456 | 64000720 | 59083898 | 8 |
| Aroclor-1254-2 | (2) | 47135286 | 48672312 | 52146652 | 56922440 | 57444240 | 52464186 | 9 |
| Aroclor-1254-3 | (3) | 76675976 | 78569371 | 83205416 | 89086976 | 88502520 | 83208052 | 7 |
| Aroclor-1254-4 | (4) | 44235570 | 45939643 | 48363680 | 51938700 | 50893660 | 48274251 | 7 |
| Aroclor-1254-5 | (5) | 68142947 | 70671431 | 73760414 | 78813244 | 76368180 | 73551243 | 6 |
| Decachlorobiphenyl | | 1041164600 | 1082182560 | 1142537200 | 1244245720 | 1270180600 | 1156062136 | 9 |
| Tetrachloro-m-xylene | | 969890570 | 991360533 | 1038975520 | 1064707400 | 994465600 | 1011879925 | 4 |
| Aroclor-1268-1 | (1) | 146986557 | 151844596 | 158019168 | 168079912 | 170778780 | 159141803 | 6 |

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

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 133073925 | 137248829 | 142523422 | 151222024 | 151862520 | 143186144 | 6 |
| Aroclor-1268-3 | (3) | 117364027 | 121504320 | 126517254 | 135757020 | 136405580 | 127509640 | 7 |
| Aroclor-1268-4 | (4) | 51956547 | 53952379 | 54797154 | 61002600 | 60671520 | 56476040 | 7 |
| Aroclor-1268-5 | (5) | 359344903 | 364434196 | 374618632 | 391618688 | 400161860 | 378035656 | 5 |
| Decachlorobiphenyl | | 1755186720 | 1802467867 | 1889666160 | 2047579480 | 2153015200 | 1929583085 | 9 |
| Tetrachloro-m-xylene | | 970169850 | 991215560 | 1007059780 | 1064676080 | 979052800 | 1002434814 | 4 |

Raw Data

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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

**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 | 4.96 | 4.86 | 5.06 | 12809900 |
| | | 2 | 5.04 | 4.94 | 5.14 | 9460580 |
| | | 3 | 5.12 | 5.02 | 5.22 | 28907800 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 5.12 | 5.02 | 5.22 | 22859800 |
| | | 2 | 5.65 | 5.55 | 5.75 | 11783000 |
| | | 3 | 5.94 | 5.84 | 6.04 | 22275000 |
| | | 4 | 6.10 | 6.00 | 6.20 | 11287400 |
| | | 5 | 6.19 | 6.09 | 6.29 | 9120180 |
| Aroclor-1262 | 500 | 1 | 8.37 | 8.27 | 8.47 | 71771400 |
| | | 2 | 8.71 | 8.61 | 8.81 | 121580000 |
| | | 3 | 9.05 | 8.95 | 9.15 | 88514200 |
| | | 4 | 9.14 | 9.04 | 9.24 | 69944800 |
| | | 5 | 9.84 | 9.74 | 9.94 | 46791200 |

Raw Data

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

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Instrument ID:** ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

**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 | 4.27 | 4.17 | 4.37 | 13170200 |
| | | 2 | 4.36 | 4.26 | 4.46 | 9961240 |
| | | 3 | 4.43 | 4.33 | 4.53 | 31131200 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.43 | 4.33 | 4.53 | 24333000 |
| | | 2 | 5.18 | 5.08 | 5.28 | 22365000 |
| | | 3 | 5.36 | 5.26 | 5.46 | 11943800 |
| | | 4 | 5.45 | 5.35 | 5.55 | 11531400 |
| | | 5 | 5.62 | 5.52 | 5.72 | 13450300 |
| Aroclor-1262 | 500 | 1 | 7.22 | 7.12 | 7.32 | 78673400 |
| | | 2 | 7.48 | 7.38 | 7.58 | 70962000 |
| | | 3 | 8.01 | 7.91 | 8.11 | 57099400 |
| | | 4 | 8.07 | 7.97 | 8.17 | 100436000 |
| | | 5 | 8.60 | 8.50 | 8.70 | 50017800 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:39:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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... | 4.754 | 4.052 | 91838955 | 97630216 | 97.299 | 96.928 |
| 2) | SA Decachlor... | 10.665 | 9.219 | 104.8E6 | 101.7E6 | 94.775 | 95.397 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.918 | 5.161 | 31263736 | 32214100 | 955.203 | 960.055 |
| 4) | L1 AR-1016-2 | 5.941 | 5.181 | 45702590 | 45072170 | 956.800 | 961.191 |
| 5) | L1 AR-1016-3 | 6.004 | 5.362 | 29655293 | 25675074 | 953.897 | 964.458 |
| 6) | L1 AR-1016-4 | 6.102 | 5.401 | 24305642 | 22207756 | 963.811 | 951.282 |
| 7) | L1 AR-1016-5 | 6.397 | 5.620 | 25253642 | 28303958 | 946.542 | 954.564 |
| 31) | L7 AR-1260-1 | 7.520 | 6.664 | 48881600 | 51490839 | 954.916 | 950.561 |
| 32) | L7 AR-1260-2 | 7.773 | 6.851 | 57303356 | 60685581 | 954.683 | 953.135 |
| 33) | L7 AR-1260-3 | 8.134 | 7.009 | 47767972 | 58195863 | 951.165 | 948.836 |
| 34) | L7 AR-1260-4 | 8.373 | 7.484 | 55679811 | 51141777 | 953.156 | 957.608 |
| 35) | L7 AR-1260-5 | 8.709 | 7.722 | 101.1E6 | 115.8E6 | 965.445 | 972.876 |

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

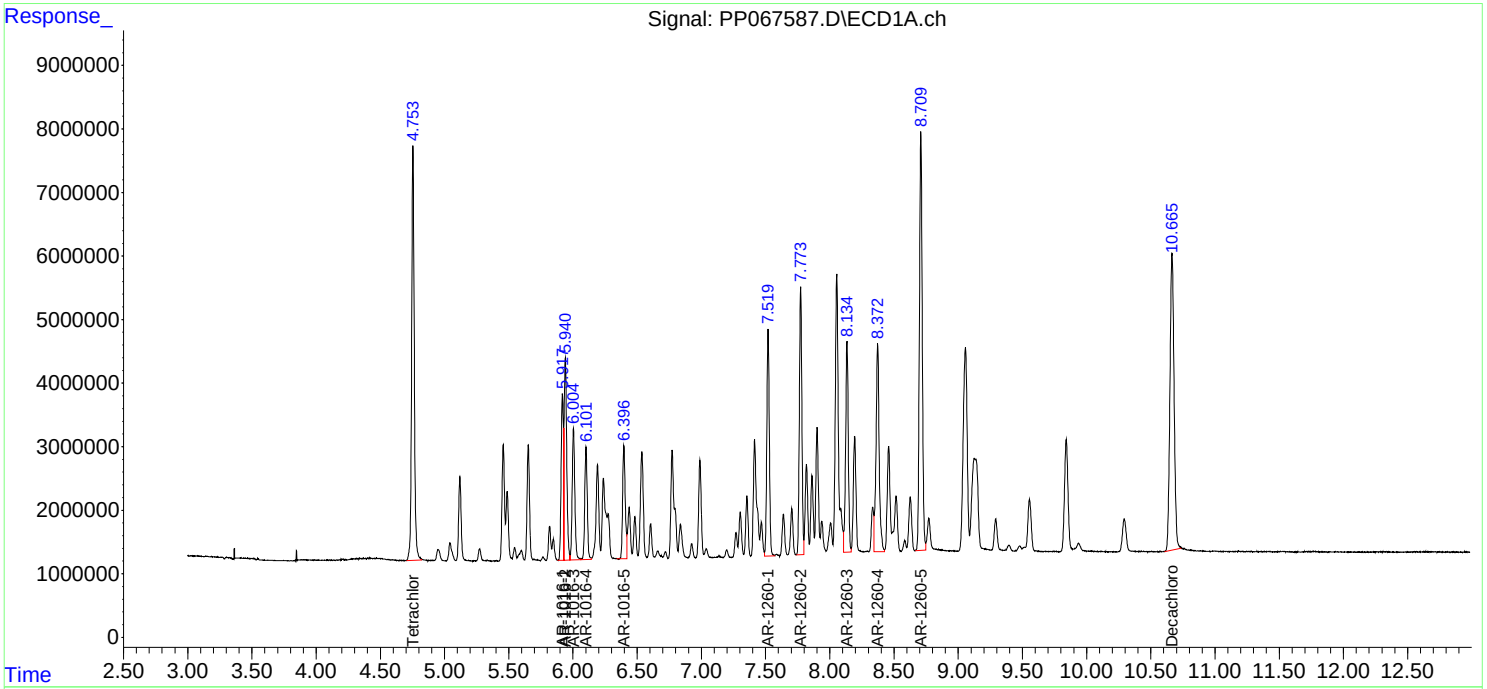
ICAL Form

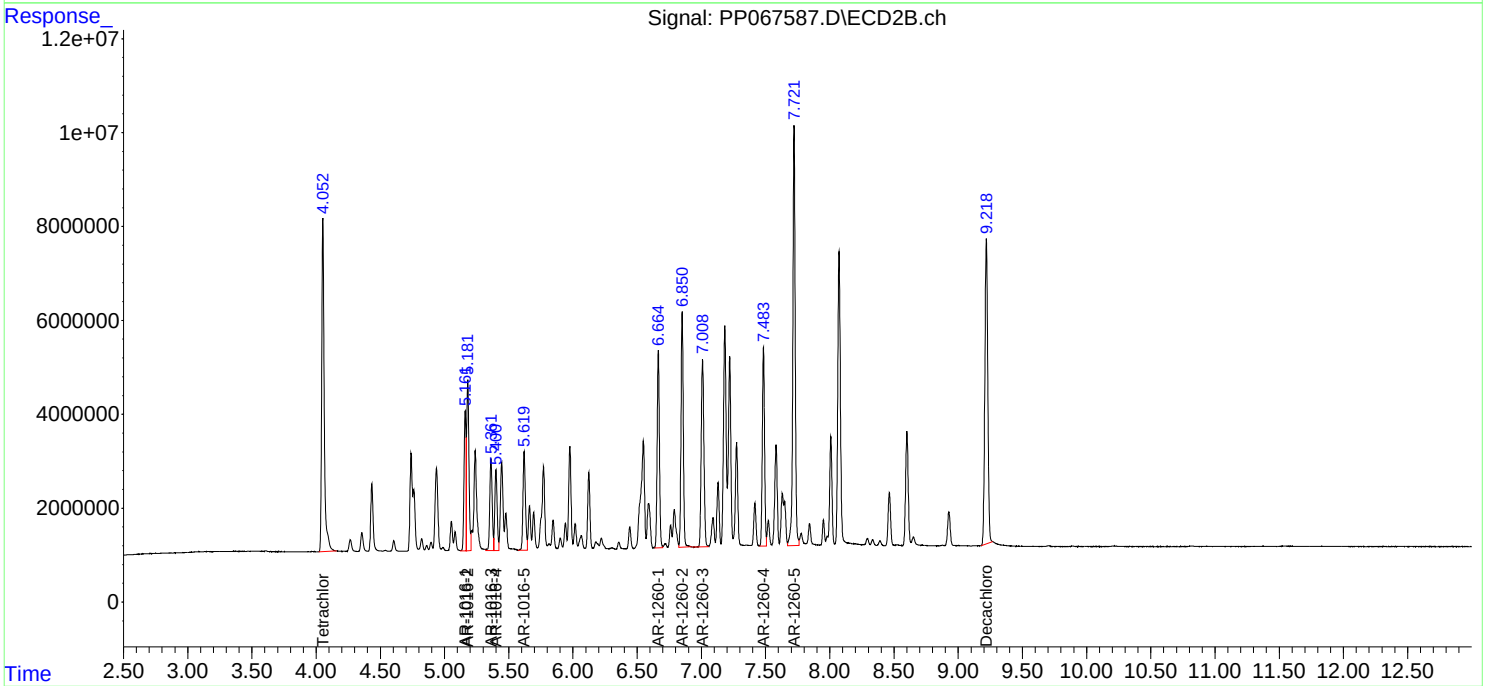
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:39:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:46
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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... | 4.754 | 4.052 | 70323657 | 75208356 | 74.669 | 74.778 |
| 2) | SA Decachlor... | 10.667 | 9.219 | 81939100 | 79868410 | 74.418 | 74.960 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.918 | 5.160 | 24175021 | 25133615 | 742.375 | 749.360 |
| 4) | L1 AR-1016-2 | 5.940 | 5.181 | 35714746 | 35207978 | 748.466 | 750.554 |
| 5) | L1 AR-1016-3 | 6.004 | 5.362 | 23235527 | 20458247 | 748.263 | 762.228 |
| 6) | L1 AR-1016-4 | 6.102 | 5.401 | 18723849 | 17766215 | 744.964 | 757.315 |
| 7) | L1 AR-1016-5 | 6.397 | 5.620 | 19880996 | 22638296 | 746.772 | 758.938 |
| 31) | L7 AR-1260-1 | 7.520 | 6.664 | 38296970 | 40400914 | 748.760 | 747.217 |
| 32) | L7 AR-1260-2 | 7.773 | 6.851 | 44605284 | 47387900 | 745.407 | 746.177 |
| 33) | L7 AR-1260-3 | 8.135 | 7.009 | 37395428 | 45613565 | 746.408 | 745.783 |
| 34) | L7 AR-1260-4 | 8.373 | 7.484 | 43609757 | 39347608 | 747.686 | 741.126 |
| 35) | L7 AR-1260-5 | 8.710 | 7.722 | 77783279 | 88073766 | 744.965 | 743.472 |

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

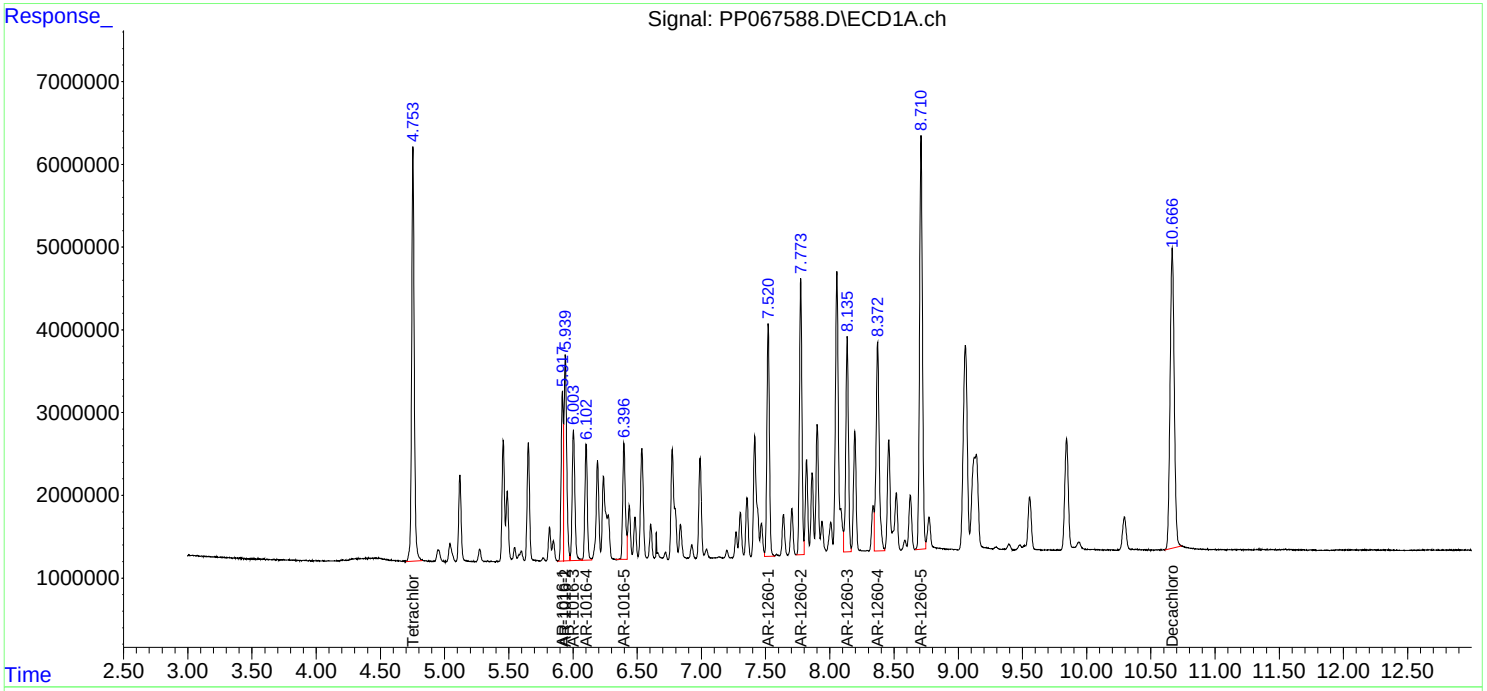
ICAL Form

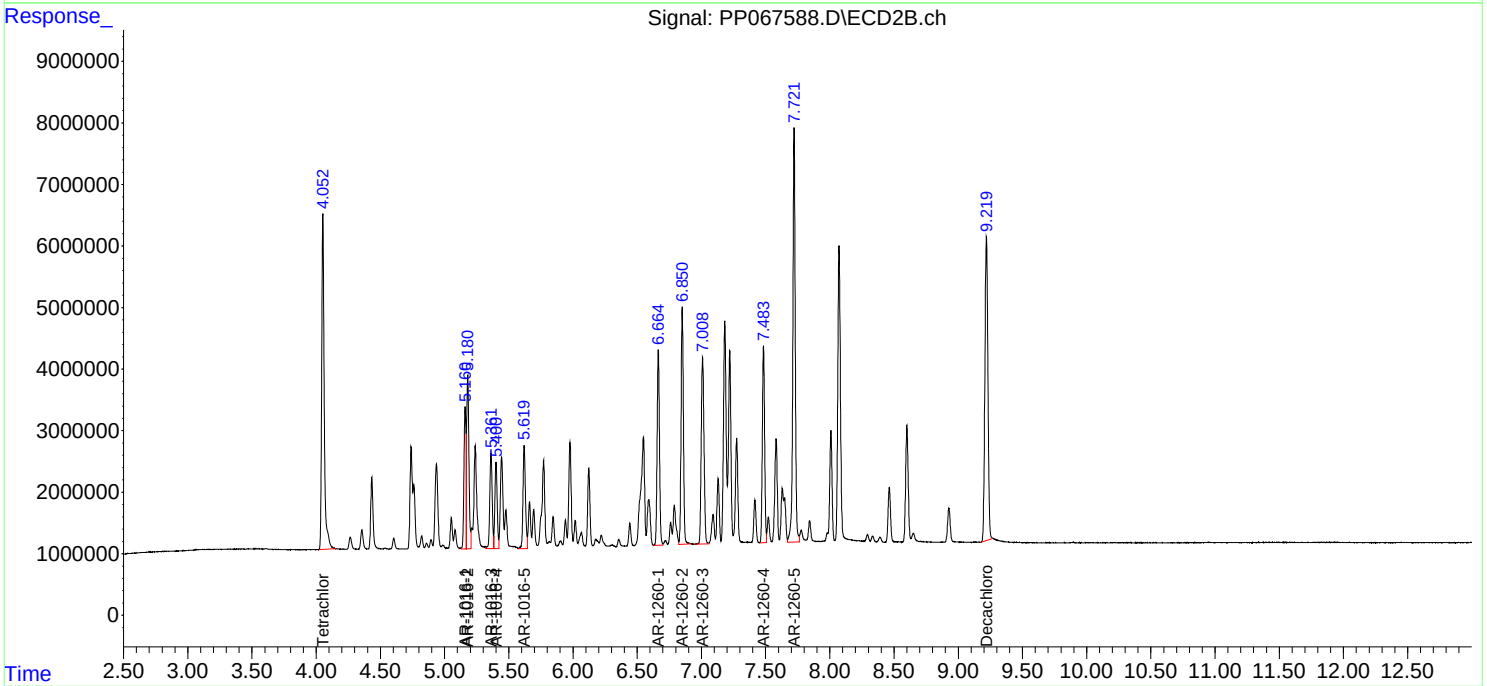
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:46
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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... | 4.755 | 4.052 | 48468733 | 51909432 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.669 | 9.219 | 58154431 | 55740893 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.919 | 5.161 | 17098086 | 17447388 | 500.000 | 500.000 |
| 4) L1 | AR-1016-2 | 5.942 | 5.181 | 24914801 | 24355921 | 500.000 | 500.000 |
| 5) L1 | AR-1016-3 | 6.005 | 5.362 | 16260933 | 13783722 | 500.000 | 500.000 |
| 6) L1 | AR-1016-4 | 6.103 | 5.401 | 13065451 | 12241213 | 500.000 | 500.000 |
| 7) L1 | AR-1016-5 | 6.398 | 5.620 | 14053069 | 15499204 | 500.000 | 500.000 |
| 31) L7 | AR-1260-1 | 7.522 | 6.664 | 26748646 | 28423465 | 500.000 | 500.000 |
| 32) L7 | AR-1260-2 | 7.775 | 6.850 | 31371778 | 33326673 | 500.000 | 500.000 |
| 33) L7 | AR-1260-3 | 8.137 | 7.008 | 26336481 | 32235992 | 500.000 | 500.000 |
| 34) L7 | AR-1260-4 | 8.375 | 7.483 | 30576350 | 27834870 | 500.000 | 500.000 |
| 35) L7 | AR-1260-5 | 8.712 | 7.722 | 54191257 | 61102763 | 500.000 | 500.000 |

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

Quantitation Report (QT Reviewed)

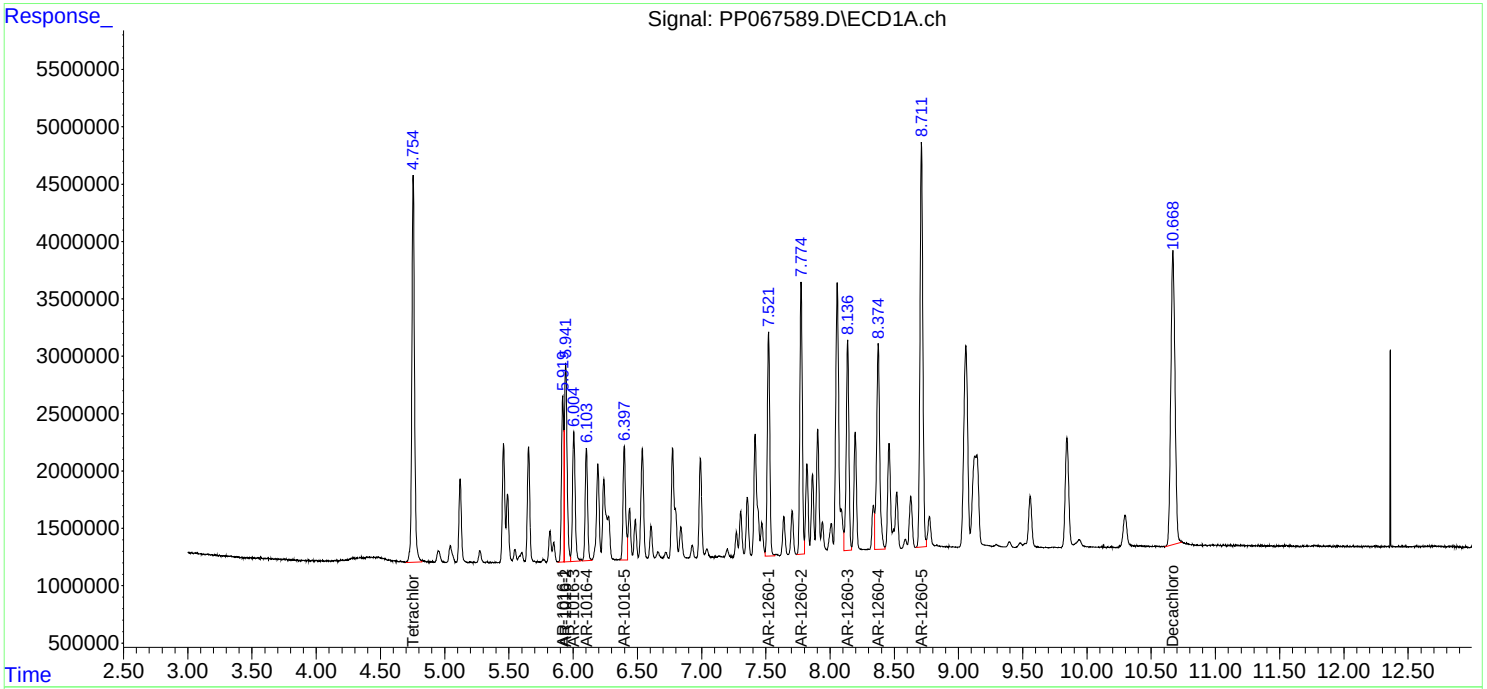
ICAL Form

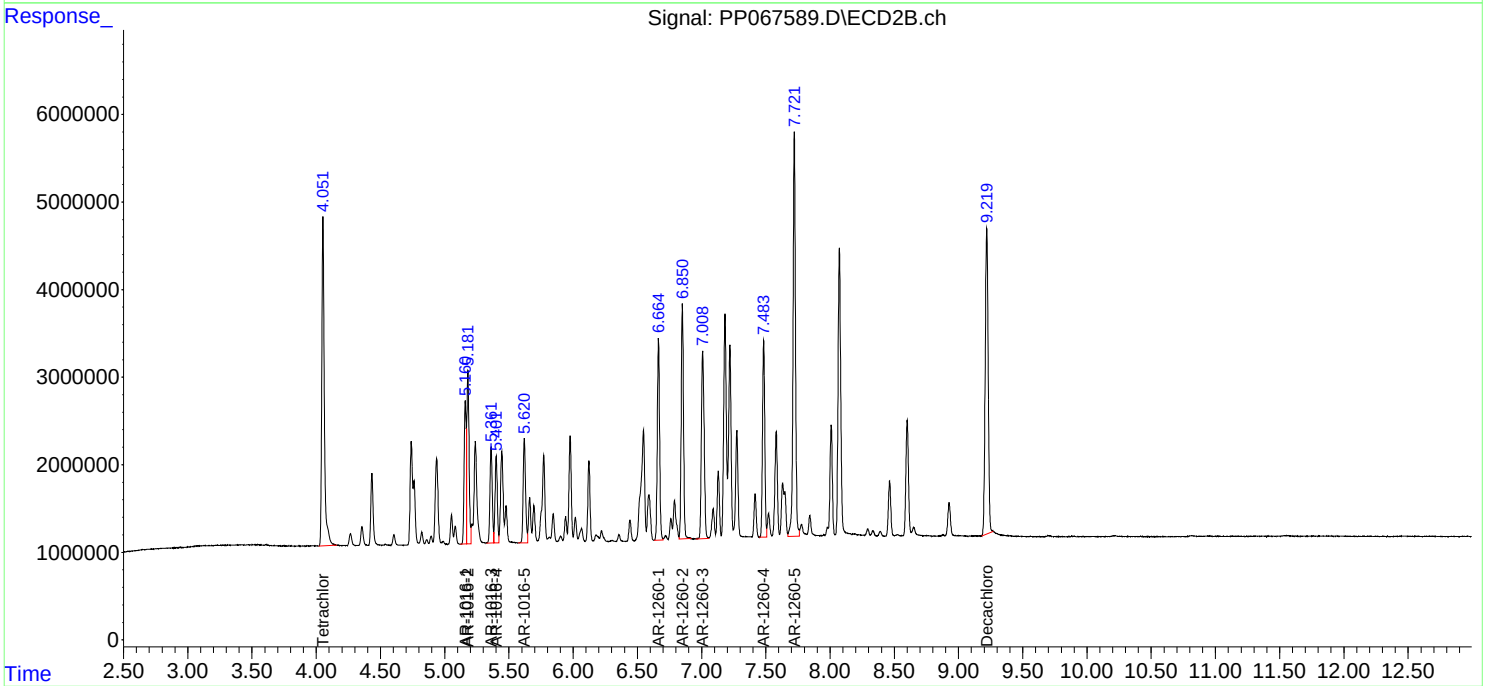
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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... | 4.754 | 4.052 | 24449136 | 27156481 | 25.713 | 26.471 |
| 2) SA | Decachlor... | 10.667 | 9.219 | 31812344 | 30378918 | 27.810 | 27.545 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.918 | 5.161 | 9055321 | 9463755 | 270.481 | 273.370 |
| 4) L1 | AR-1016-2 | 5.940 | 5.181 | 13304120 | 13044437 | 271.003 | 270.483 |
| 5) L1 | AR-1016-3 | 6.004 | 5.362 | 8636467 | 7128613 | 270.516 | 261.517 |
| 6) L1 | AR-1016-4 | 6.102 | 5.401 | 6870142 | 6439676 | 267.107 | 267.937 |
| 7) L1 | AR-1016-5 | 6.397 | 5.620 | 7389125 | 8015561 | 270.109 | 262.746m |
| 31) L7 | AR-1260-1 | 7.520 | 6.664 | 15047489 | 15673375 | 281.747 | 278.763 |
| 32) L7 | AR-1260-2 | 7.774 | 6.851 | 17224004 | 18293992 | 277.341 | 277.498 |
| 33) L7 | AR-1260-3 | 8.135 | 7.010 | 14268955 | 17271160 | 275.227 | 273.526 |
| 34) L7 | AR-1260-4 | 8.373 | 7.484 | 16575744 | 15053418 | 274.795 | 274.336 |
| 35) L7 | AR-1260-5 | 8.710 | 7.722 | 29040541 | 32010485 | 270.523 | 264.861 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

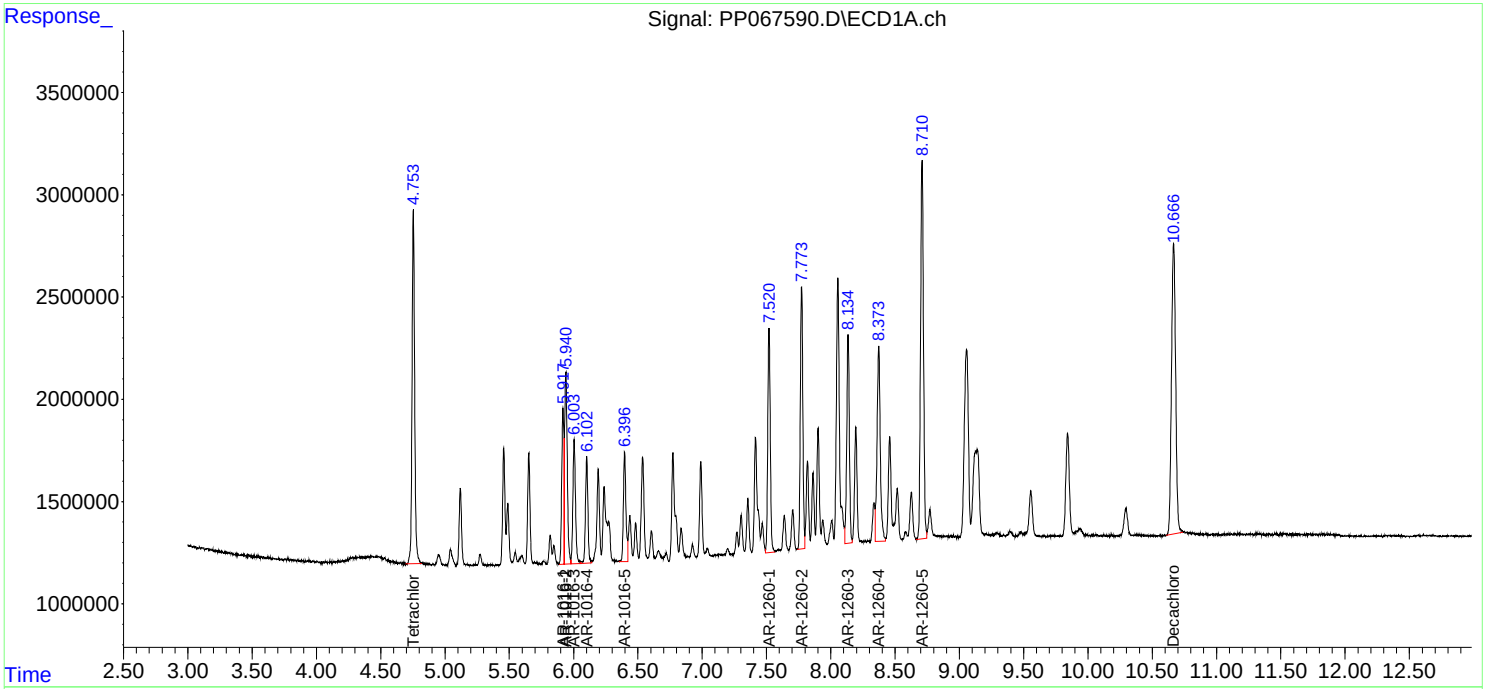
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

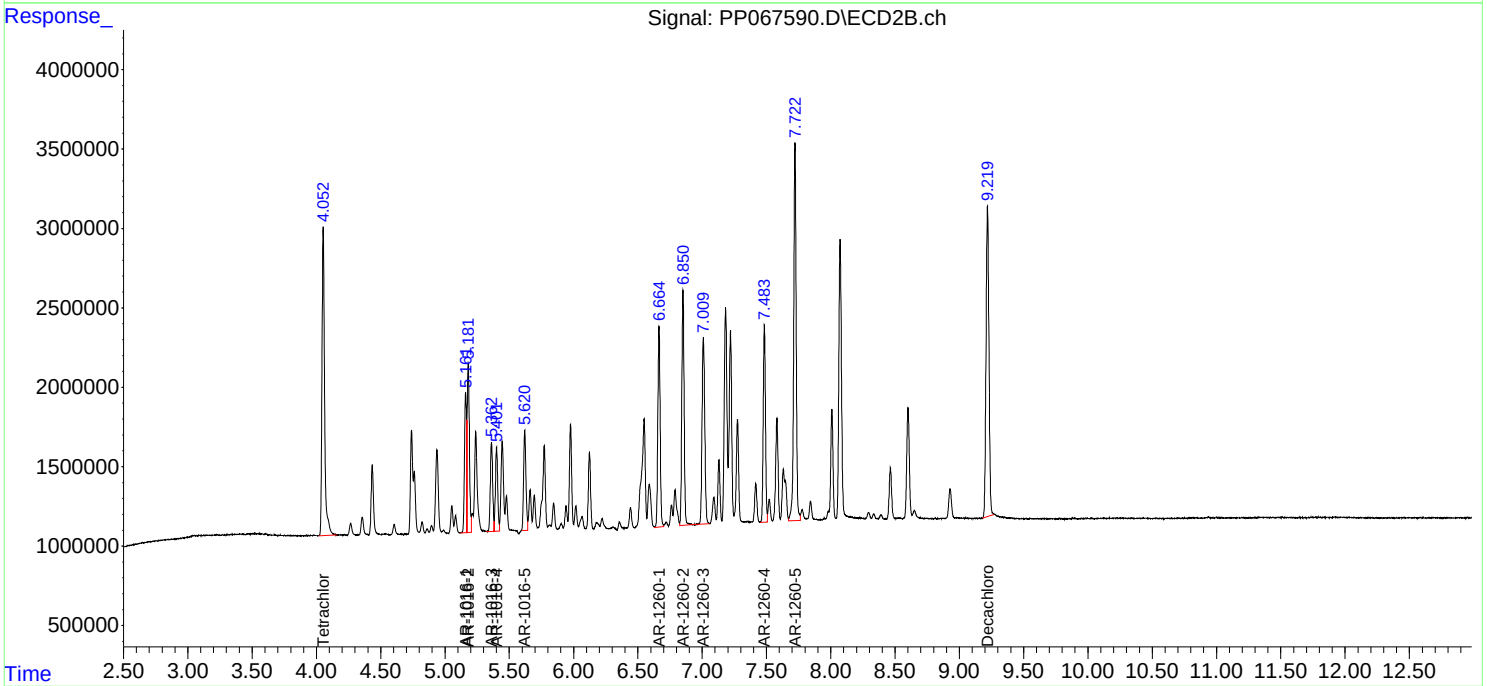
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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... | 4.755 | 4.052 | 4124158 | 4742428 | 4.455 | 4.694 |
| 2) | SA Decachlor... | 10.668 | 9.218 | 5904228 | 5978529 | 5.128 | 5.331 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.918 | 5.161 | 1570943 | 1823044 | 47.508 | 52.106 |
| 4) | L1 AR-1016-2 | 5.941 | 5.181 | 2374298 | 2396851 | 48.683 | 49.760 |
| 5) | L1 AR-1016-3 | 6.005 | 5.362 | 1492800 | 1282642 | 47.373 | 47.615 |
| 6) | L1 AR-1016-4 | 6.103 | 5.401 | 1291798 | 1214418 | 50.179 | 50.422 |
| 7) | L1 AR-1016-5 | 6.398 | 5.619 | 1295512 | 1525015 | 47.863 | 50.109m |
| 31) | L7 AR-1260-1 | 7.521 | 6.664 | 2824350 | 2995537 | 52.280 | 52.588 |
| 32) | L7 AR-1260-2 | 7.774 | 6.851 | 3396864 | 3491158 | 53.688 | 52.338 |
| 33) | L7 AR-1260-3 | 8.136 | 7.009 | 2593344 | 3296752 | 50.017 | 51.753 |
| 34) | L7 AR-1260-4 | 8.373 | 7.483 | 2984512 | 2848752 | 49.581 | 51.521 |
| 35) | L7 AR-1260-5 | 8.711 | 7.721 | 5458119 | 6403126 | 50.673 | 52.357 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

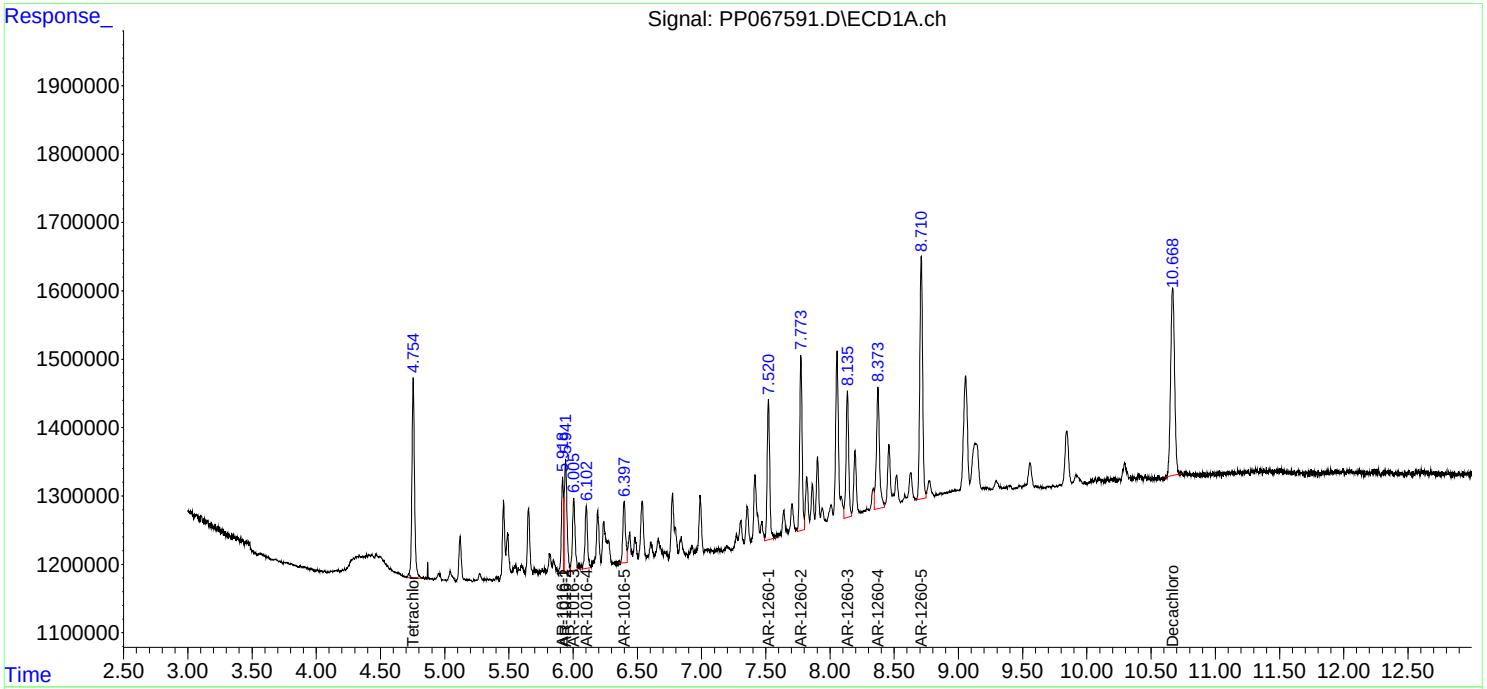
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

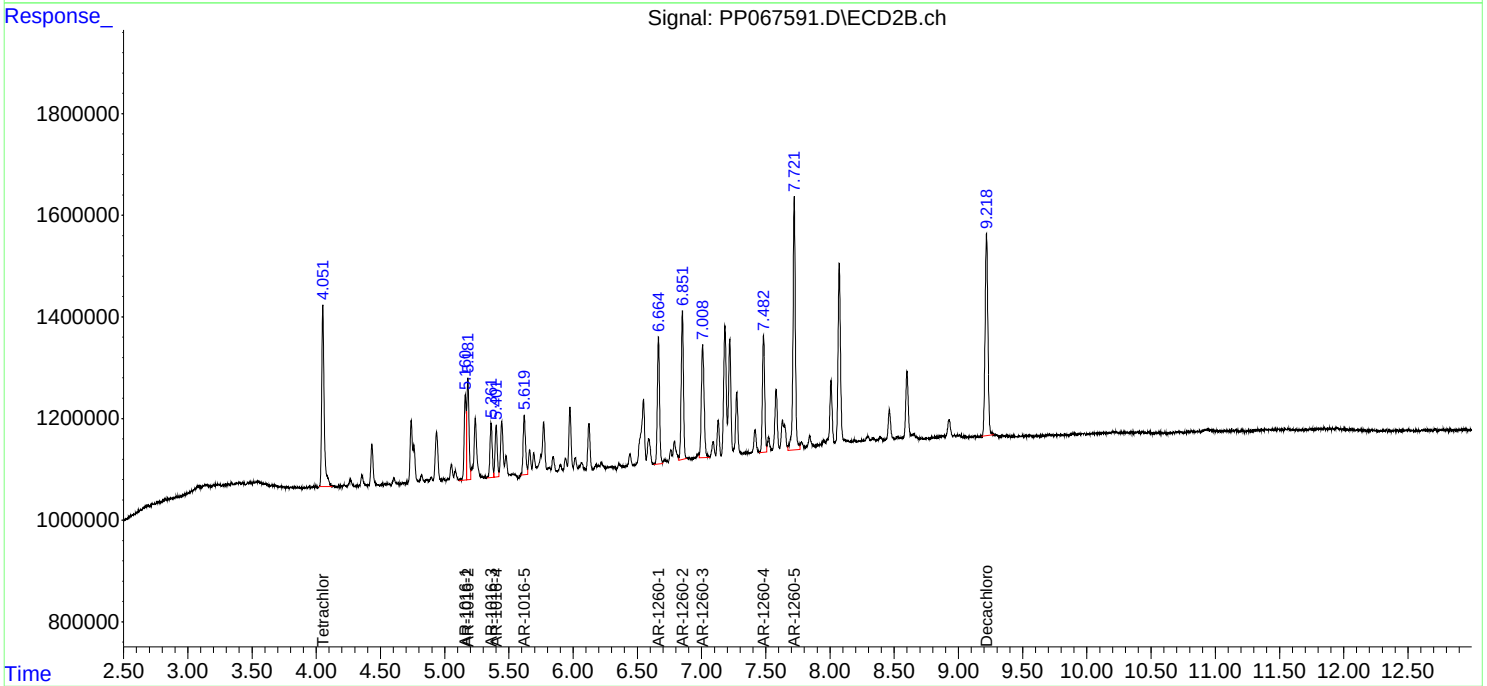
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 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... | 4.753 | 4.052 | 47679737 | 52733461 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.668 | 9.219 | 57899448 | 56082979 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.955 | 4.267 | 6404930 | 6585095 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 5.041 | 4.356 | 4730292 | 4980620 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 5.119 | 4.434 | 14453920 | 15565562 | 500.000 | 500.000 |

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

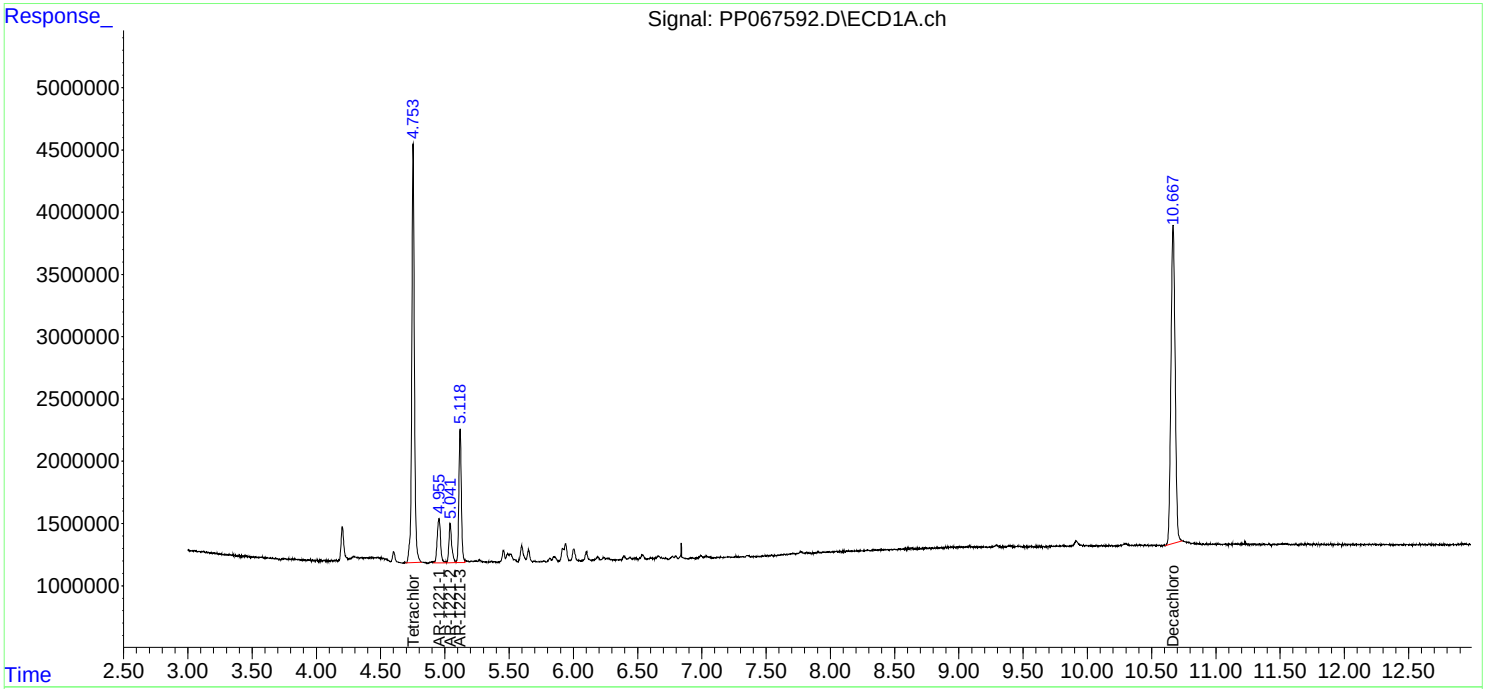
ICAL Form

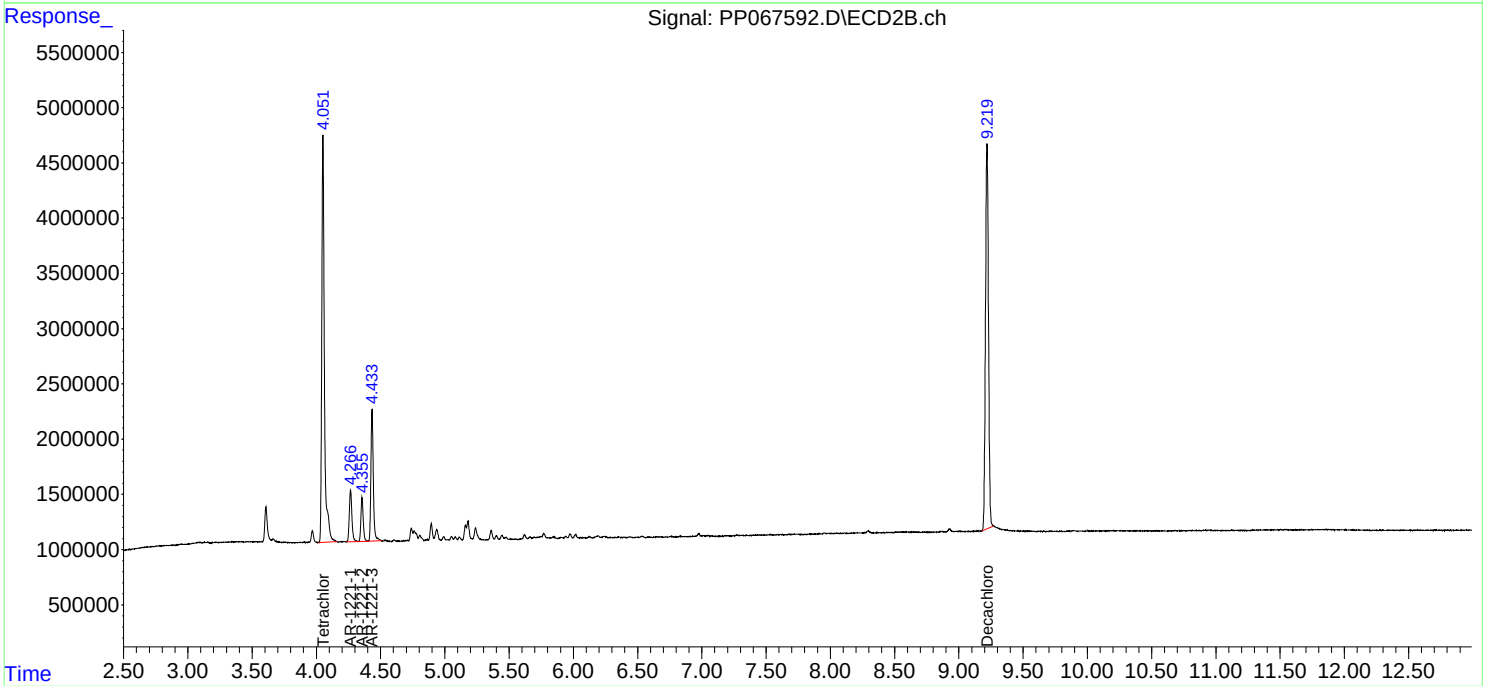
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 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... | 4.754 | 4.052 | 46649380 | 50505300 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.666 | 9.219 | 56517304 | 54410300 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 5.119 | 4.434 | 11429914 | 12166488 | 500.000 | 500.000 |
| 12) | L3 AR-1232-2 | 5.651 | 5.181 | 5891516 | 11182496 | 500.000 | 500.000 |
| 13) | L3 AR-1232-3 | 5.940 | 5.361 | 11137505 | 5971903 | 500.000 | 500.000 |
| 14) | L3 AR-1232-4 | 6.101 | 5.445 | 5643711 | 5765679 | 500.000 | 500.000 |
| 15) | L3 AR-1232-5 | 6.191 | 5.620 | 4560092 | 6725151 | 500.000 | 500.000 |

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

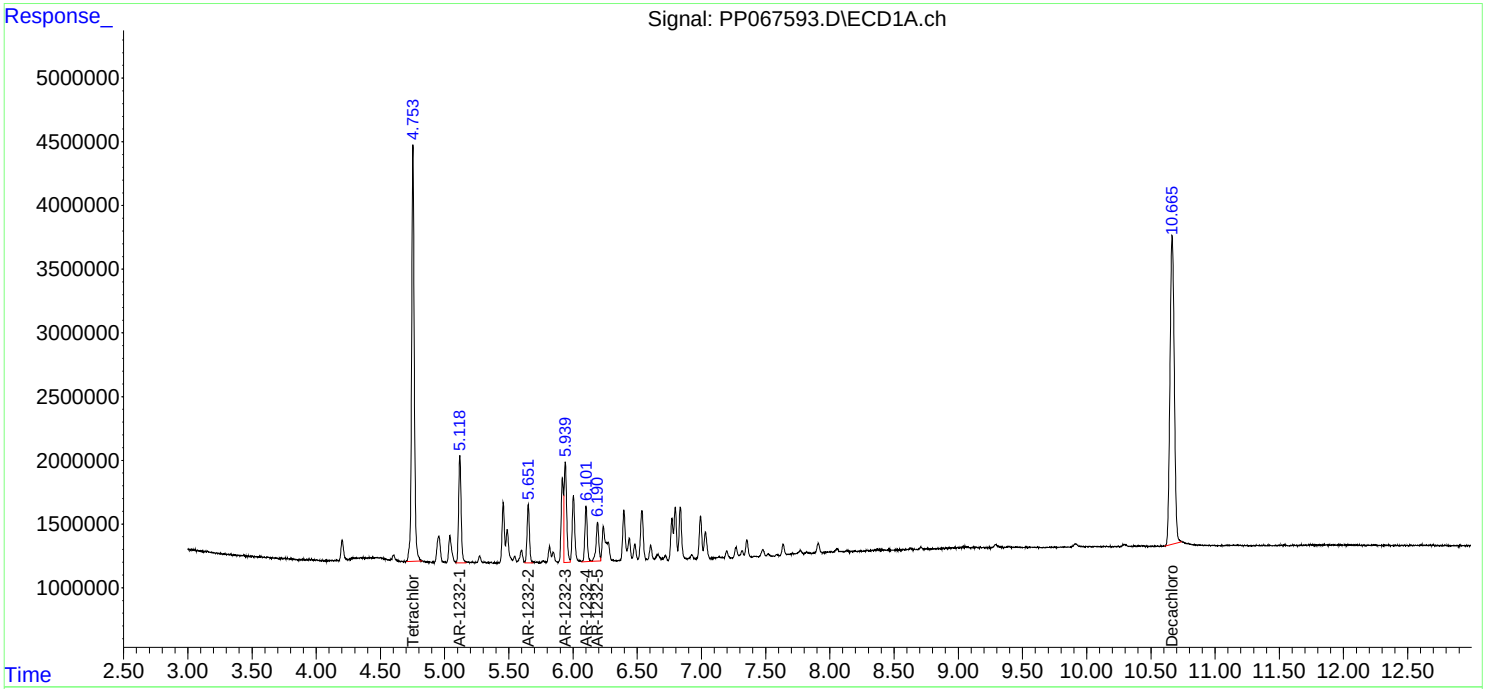
ICAL Form

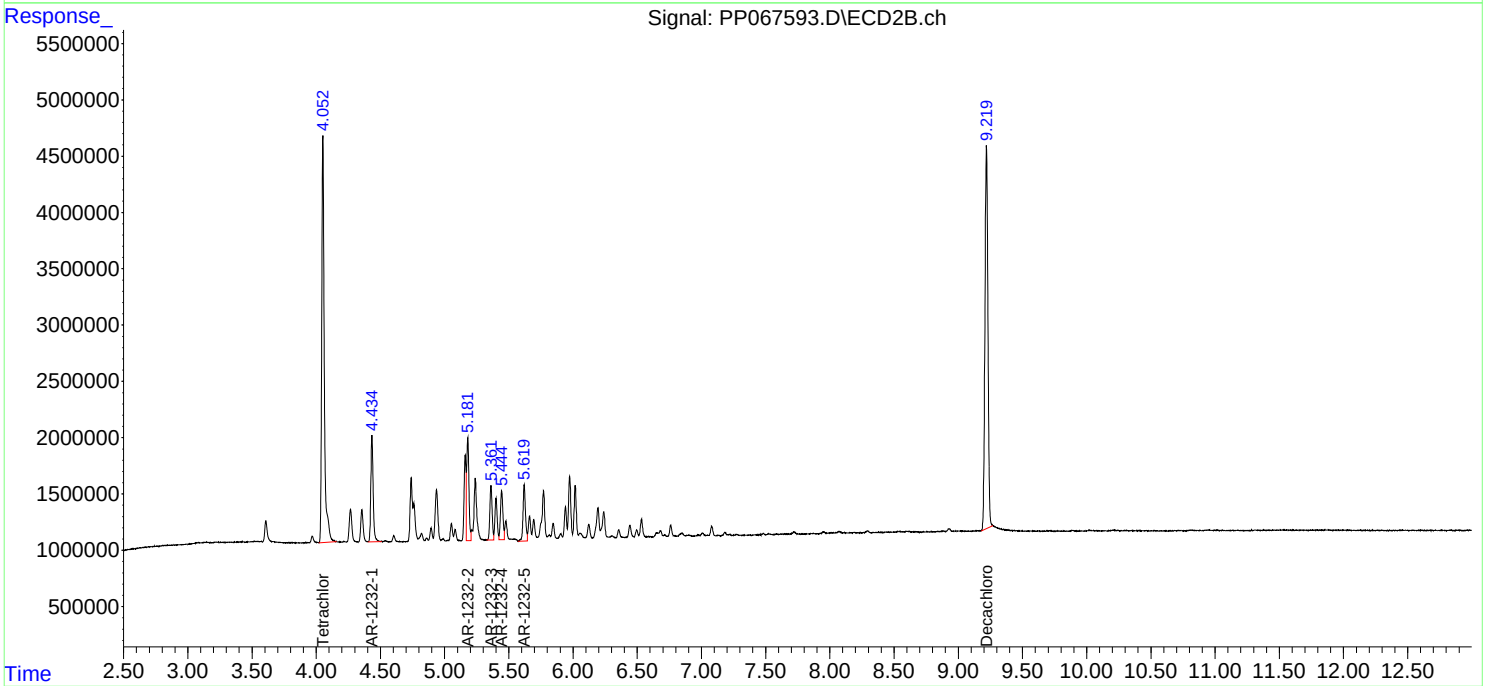
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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... | 4.756 | 4.052 | 91804577 | 97931710 | 92.720 | 93.408 |
| 2) | SA Decachlor... | 10.670 | 9.219 | 105.0E6 | 103.1E6 | 88.700 | 90.096 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.920 | 5.161 | 26136486 | 26643227 | 904.997 | 885.672 |
| 17) | L4 AR-1242-2 | 5.942 | 5.181 | 37560737 | 37173910 | 898.084 | 909.892 |
| 18) | L4 AR-1242-3 | 6.006 | 5.361 | 24775066 | 21209836 | 896.770 | 906.817 |
| 19) | L4 AR-1242-4 | 6.104 | 5.445 | 19919938 | 21894421 | 904.626 | 888.797 |
| 20) | L4 AR-1242-5 | 6.838 | 5.974 | 22664411 | 25904963 | 925.292 | 897.607 |

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

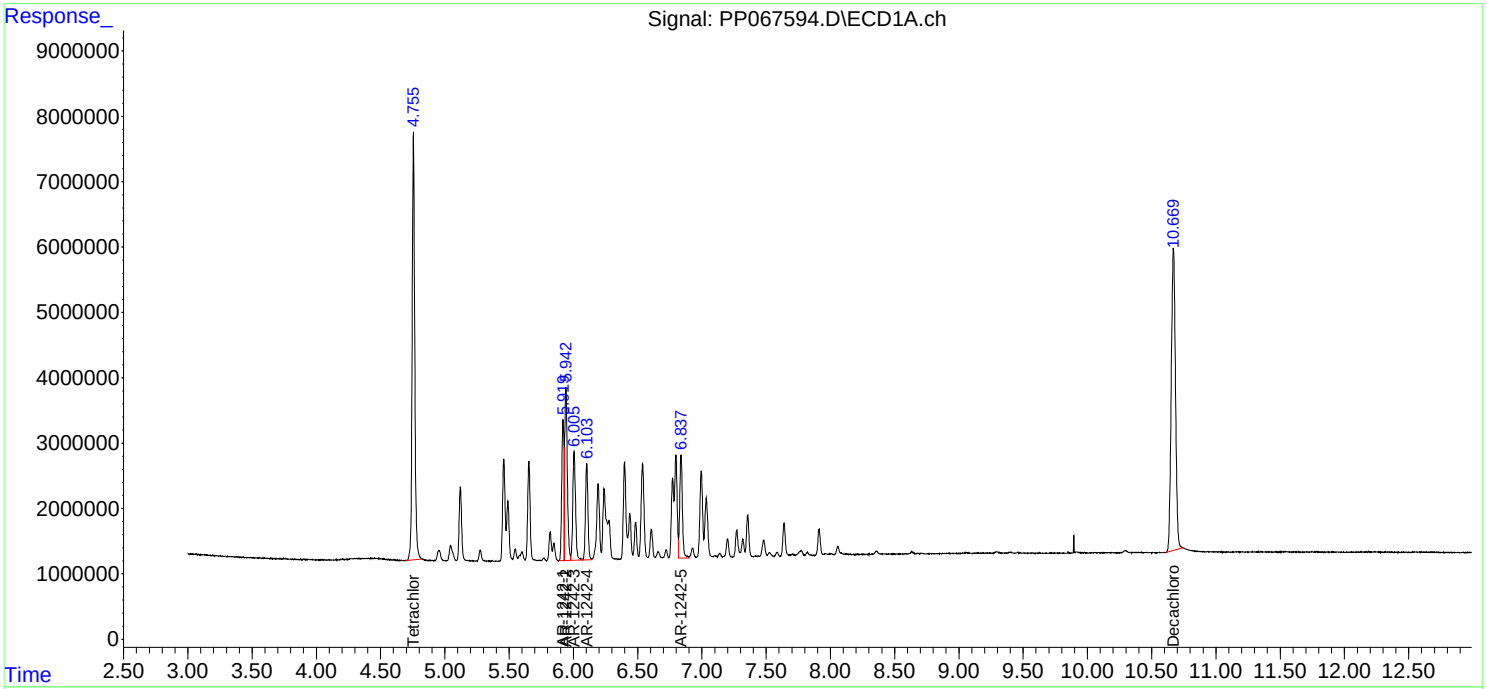
ICAL Form

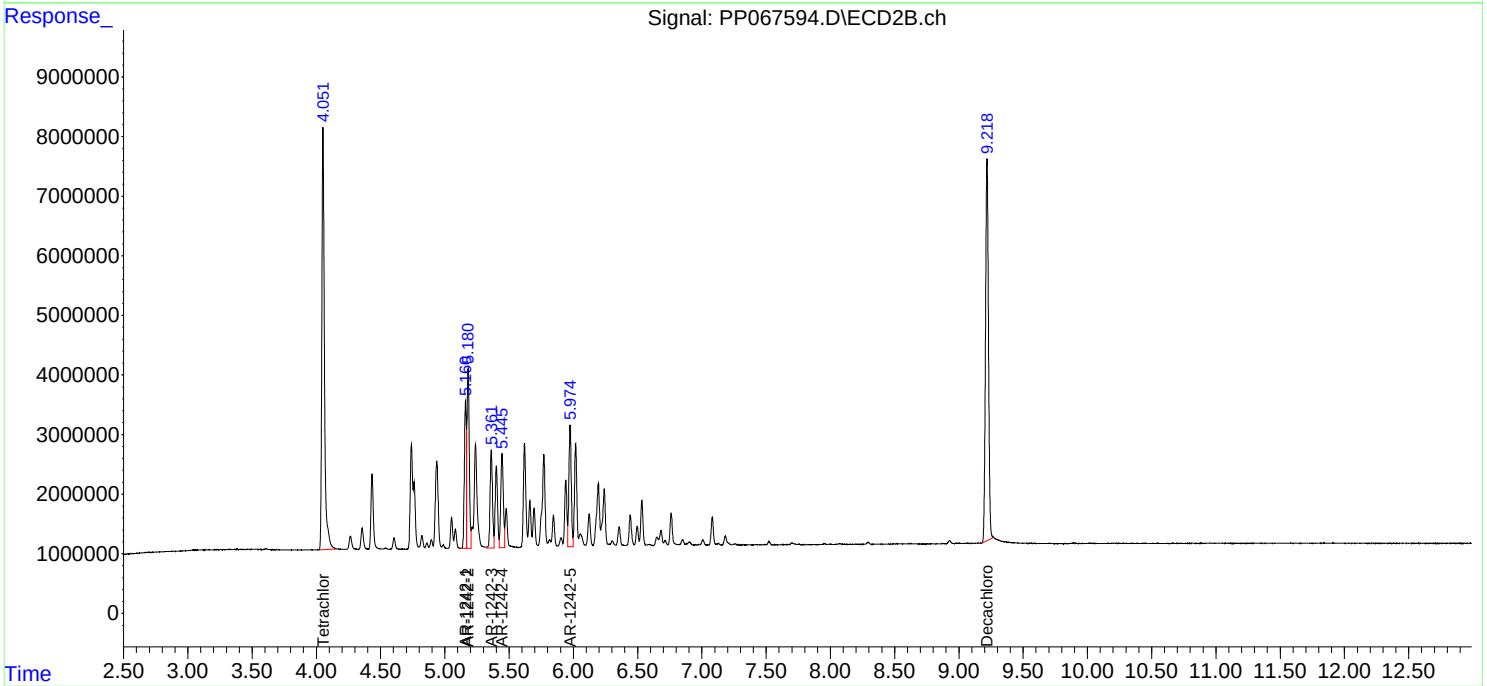
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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... | 4.755 | 4.052 | 70898933 | 75665842 | 71.606 | 72.171 |
| 2) | SA Decachlor... | 10.668 | 9.219 | 82232389 | 80586319 | 69.477 | 70.430 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.919 | 5.161 | 20265133 | 20927105 | 701.697 | 695.657 |
| 17) | L4 AR-1242-2 | 5.942 | 5.181 | 29640040 | 28743138 | 708.698 | 703.535 |
| 18) | L4 AR-1242-3 | 6.005 | 5.362 | 19473731 | 16384813 | 704.881 | 700.525 |
| 19) | L4 AR-1242-4 | 6.104 | 5.445 | 15657914 | 17086039 | 711.074 | 693.602 |
| 20) | L4 AR-1242-5 | 6.838 | 5.975 | 17483030 | 20589128 | 713.758 | 713.413 |

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

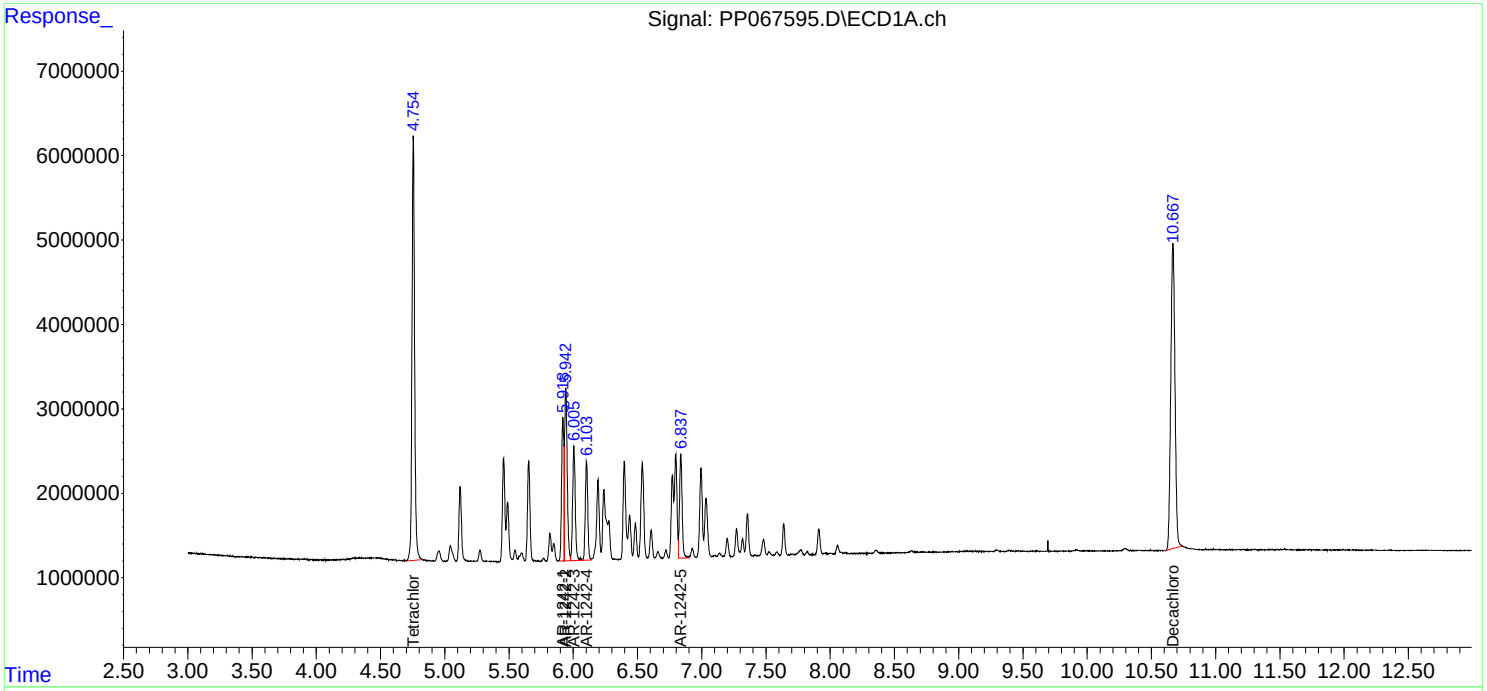
ICAL Form

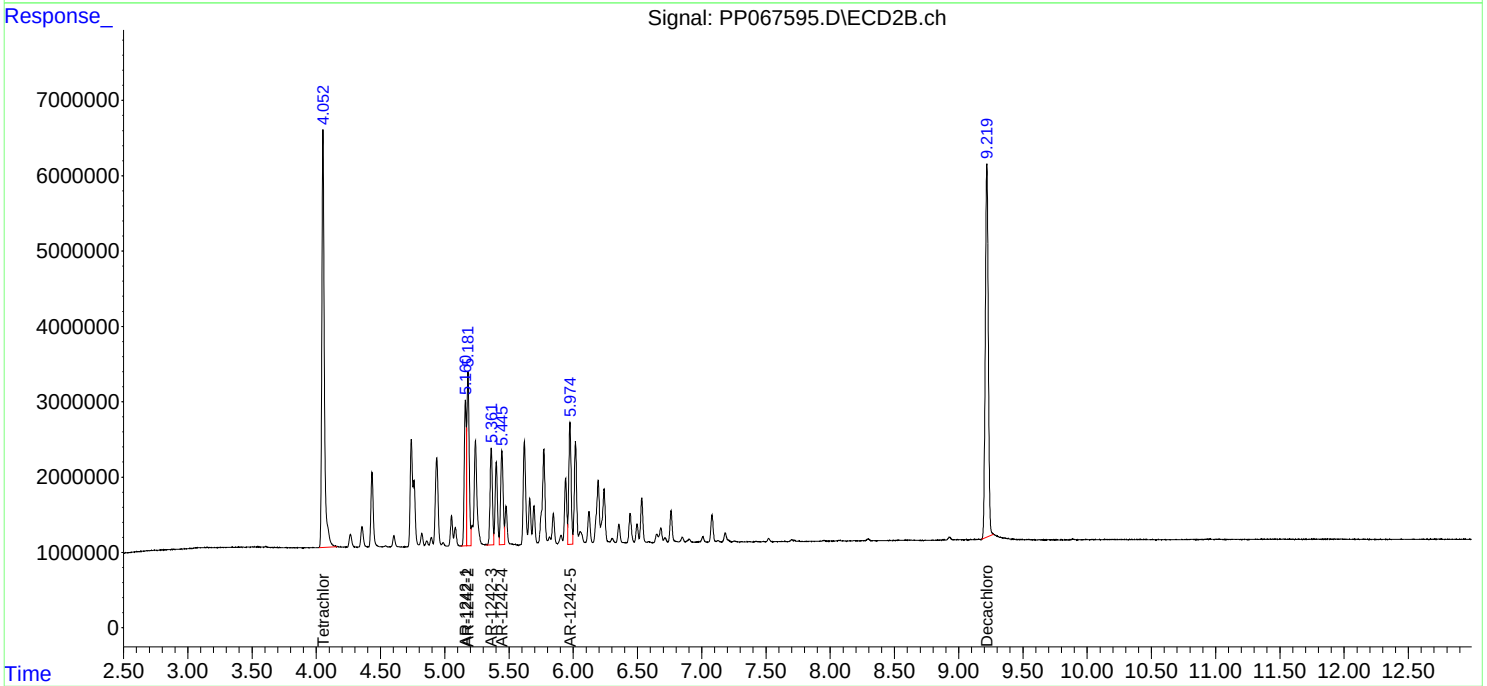
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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... | 4.752 | 4.052 | 49591914 | 52421301 | 50.087m | 50.000 |
| 2) | SA Decachlor... | 10.666 | 9.218 | 59179513 | 57209957 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.916 | 5.161 | 14440091 | 15041243 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 5.939 | 5.181 | 20911603 | 20427651 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 6.002 | 5.362 | 13813496 | 11694665 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 6.101 | 5.445 | 11010041 | 12316890 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 6.835 | 5.975 | 12247163 | 14430019 | 500.000 | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

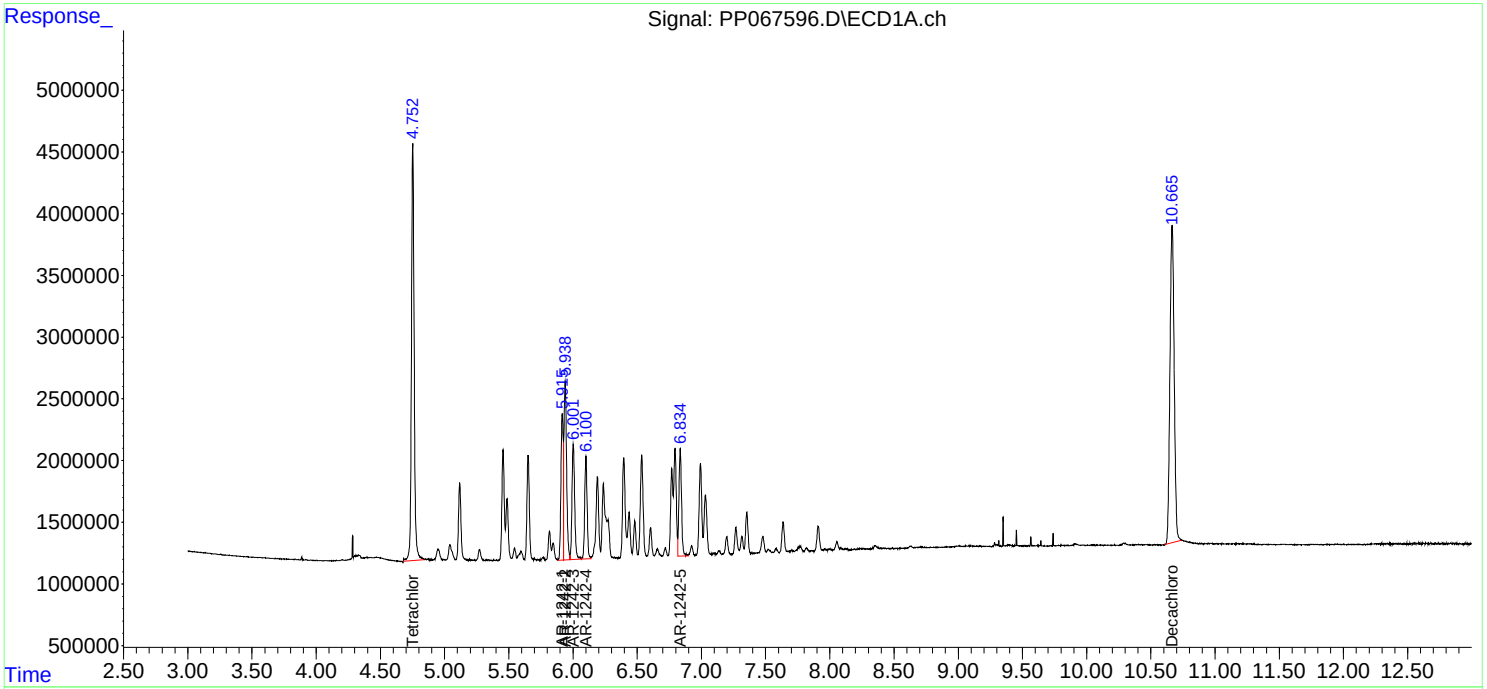
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500

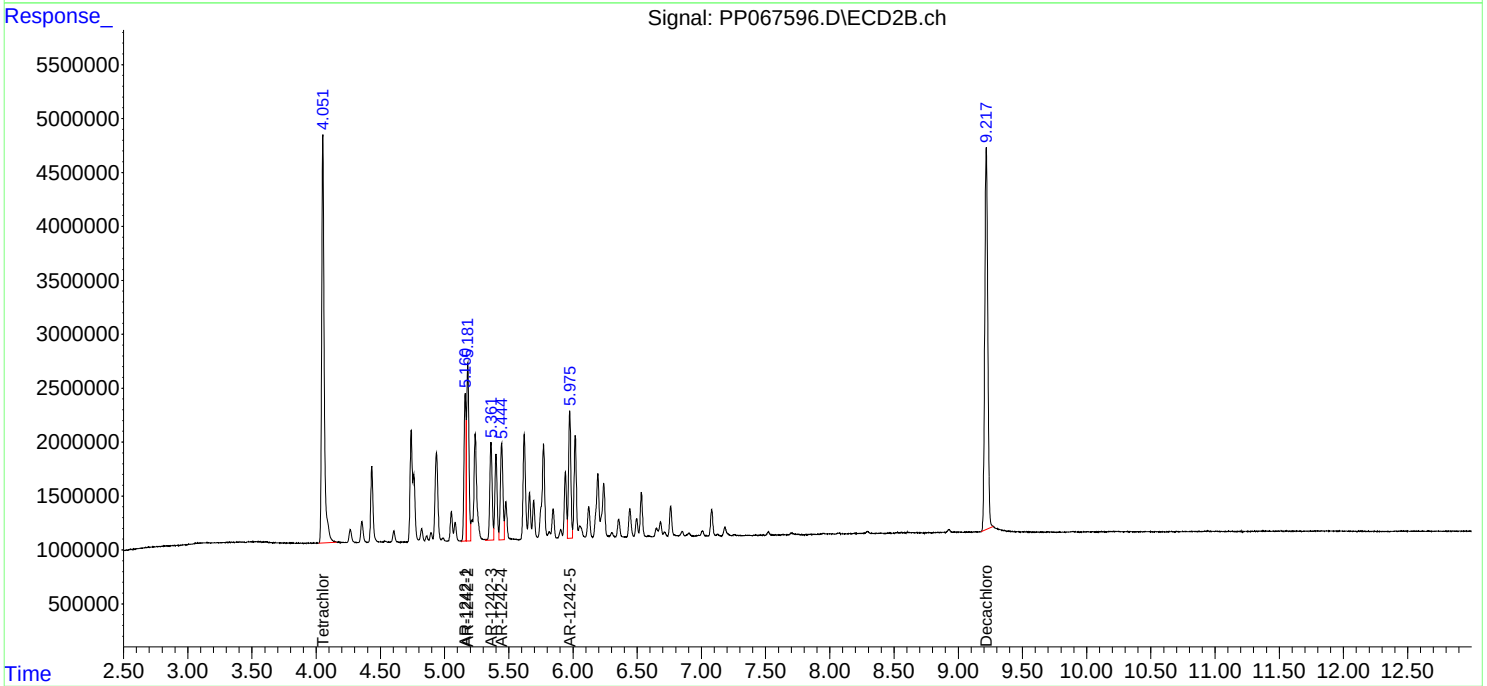
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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... | 4.755 | 4.051 | 24714146 | 26992640 | 24.961 | 25.746 |
| 2) | SA Decachlor... | 10.666 | 9.218 | 31835407 | 30686591 | 26.897 | 26.819 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.919 | 5.160 | 7532960 | 7966048 | 260.835 | 264.807 |
| 17) | L4 AR-1242-2 | 5.942 | 5.181 | 10856012 | 10764640 | 259.569 | 263.482 |
| 18) | L4 AR-1242-3 | 6.005 | 5.361 | 7003429 | 5902002 | 253.500 | 252.337 |
| 19) | L4 AR-1242-4 | 6.103 | 5.444 | 5549729 | 6325659 | 252.030 | 256.788 |
| 20) | L4 AR-1242-5 | 6.837 | 5.974 | 6362457 | 7698031 | 259.752 | 266.737 |

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

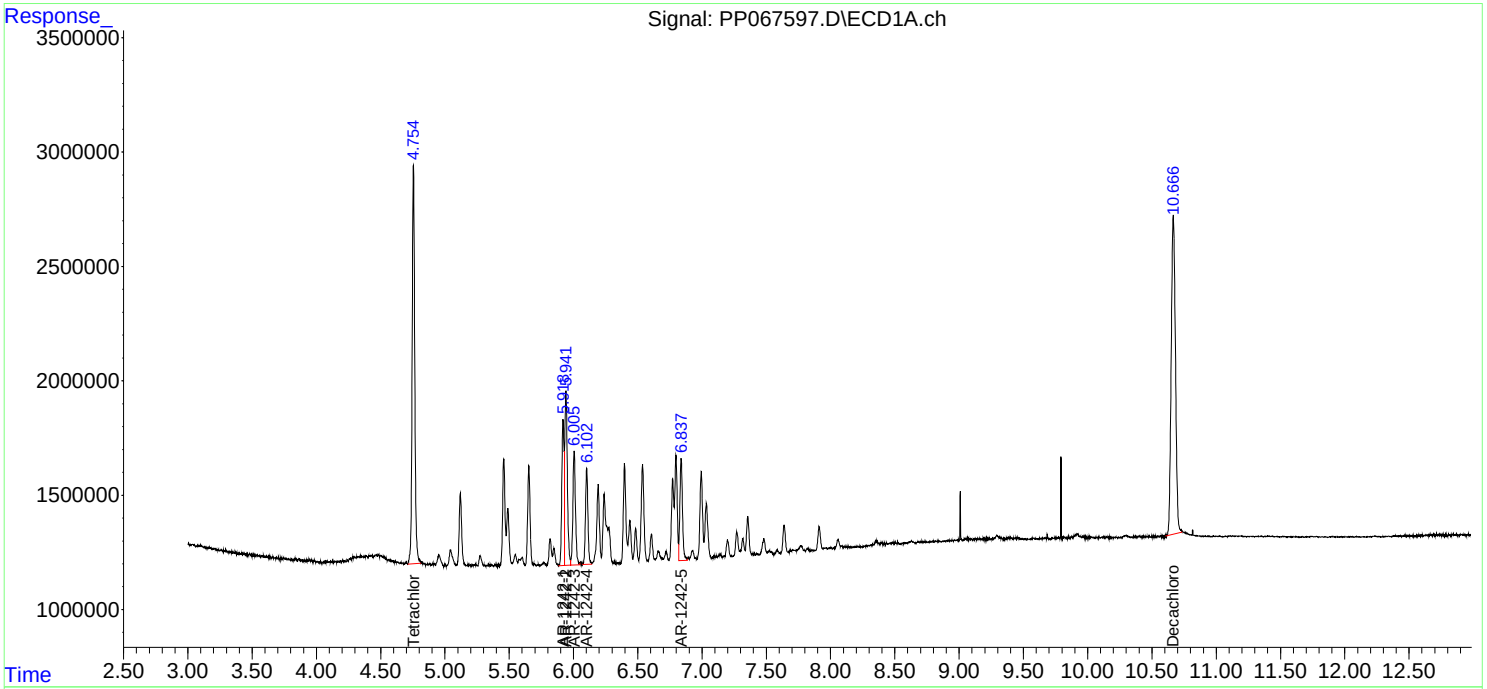
ICAL Form

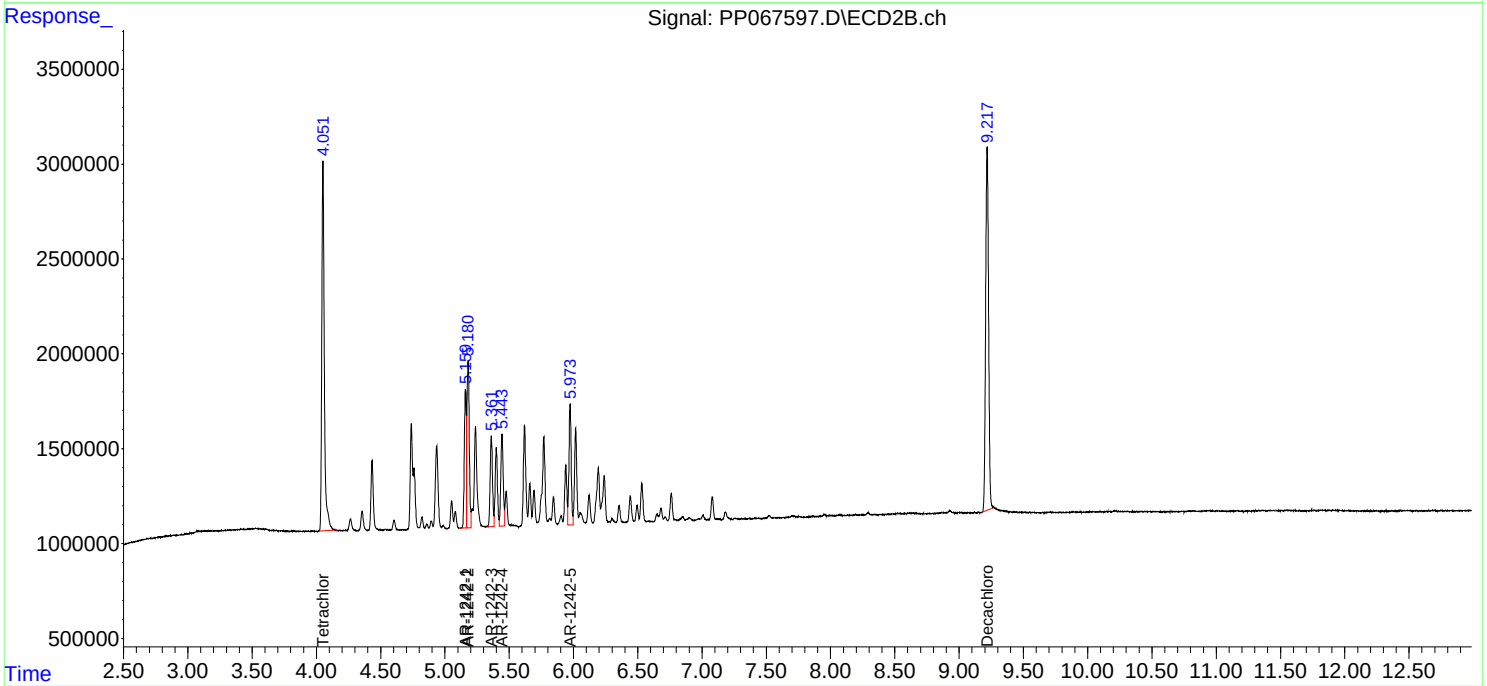
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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... | 4.754 | 4.052 | 4223721 | 4977037 | 4.266m | 4.747 |
| 2) | SA Decachlor... | 10.668 | 9.219 | 6053974 | 6041919 | 5.115 | 5.280 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.918 | 5.161 | 1375850 | 1444472 | 47.640 | 48.017 |
| 17) | L4 AR-1242-2 | 5.940 | 5.181 | 2042273 | 2066334 | 48.831 | 50.577 |
| 18) | L4 AR-1242-3 | 6.005 | 5.362 | 1422150 | 1121076 | 51.477 | 47.931 |
| 19) | L4 AR-1242-4 | 6.103 | 5.445 | 1111811 | 1203814 | 50.491 | 48.868 |
| 20) | L4 AR-1242-5 | 6.836 | 5.975 | 1235510 | 1511927 | 50.441 | 52.388 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

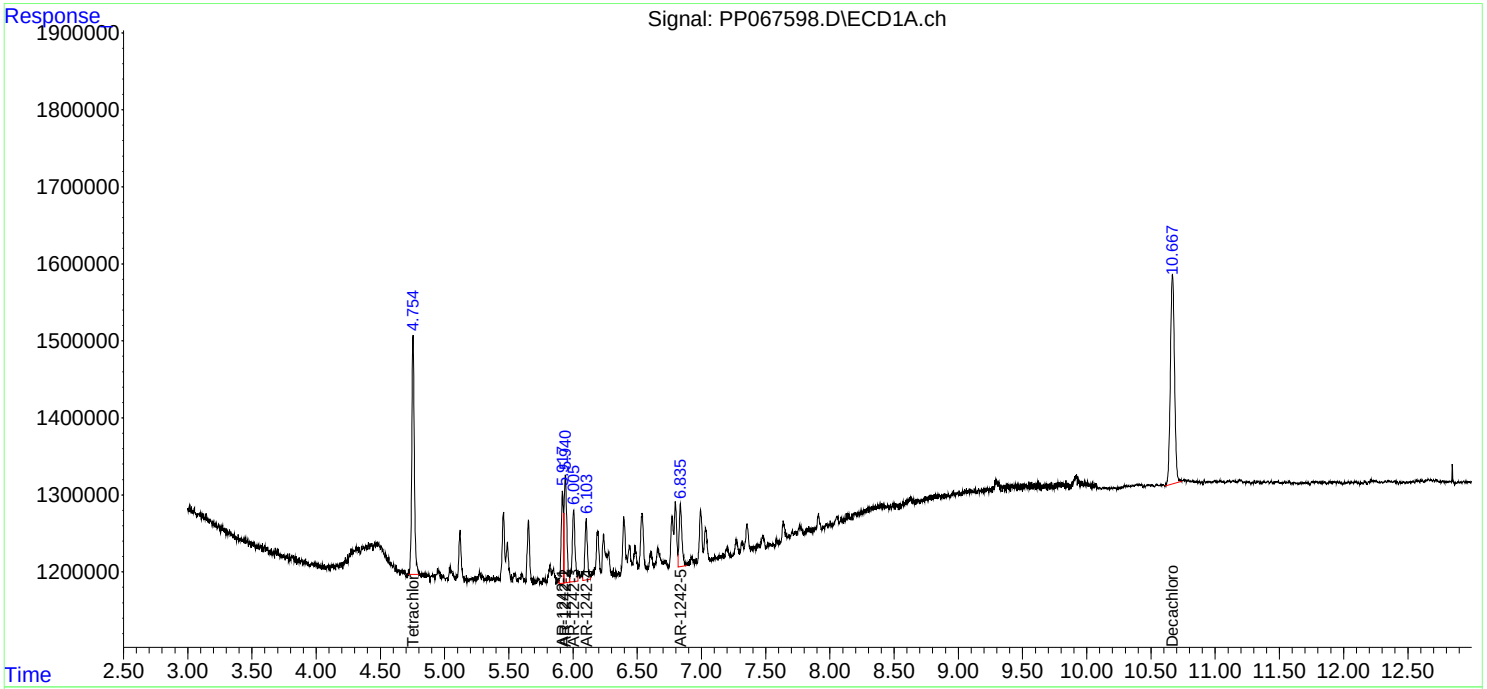
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

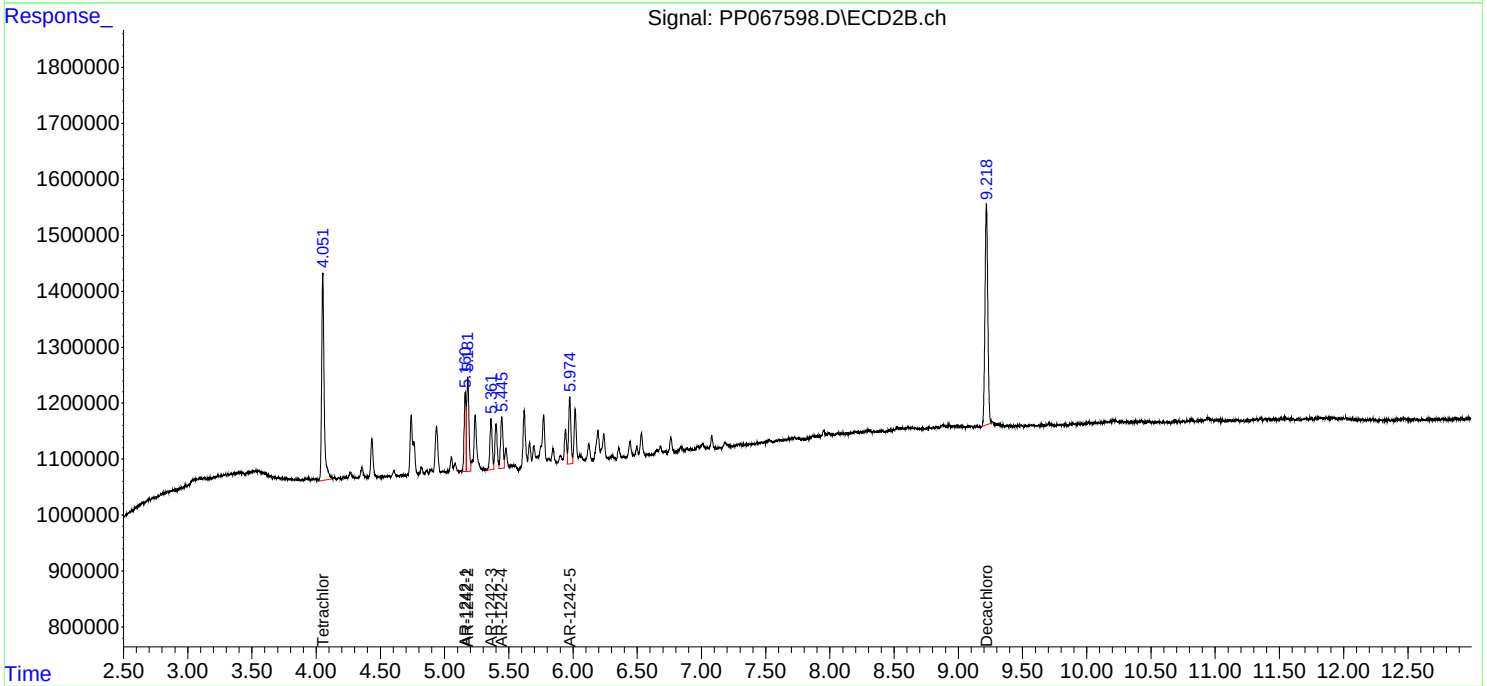
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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... | 4.754 | 4.052 | 90214696 | 95265612 | 94.578 | 95.209 |
| 2) | SA Decachlor... | 10.665 | 9.217 | 105.5E6 | 103.2E6 | 90.237 | 91.240 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 19592099 | 20323070 | 894.603 | 888.868 |
| 22) | L5 AR-1248-2 | 6.192 | 5.400 | 29912773 | 29599820 | 872.727 | 892.276 |
| 23) | L5 AR-1248-3 | 6.396 | 5.444 | 33038688 | 31098926 | 878.150 | 896.577 |
| 24) | L5 AR-1248-4 | 6.797 | 5.619 | 36925252 | 36529837 | 883.372 | 905.795 |
| 25) | L5 AR-1248-5 | 6.837 | 6.017 | 36740691 | 34201195 | 896.464 | 909.218 |

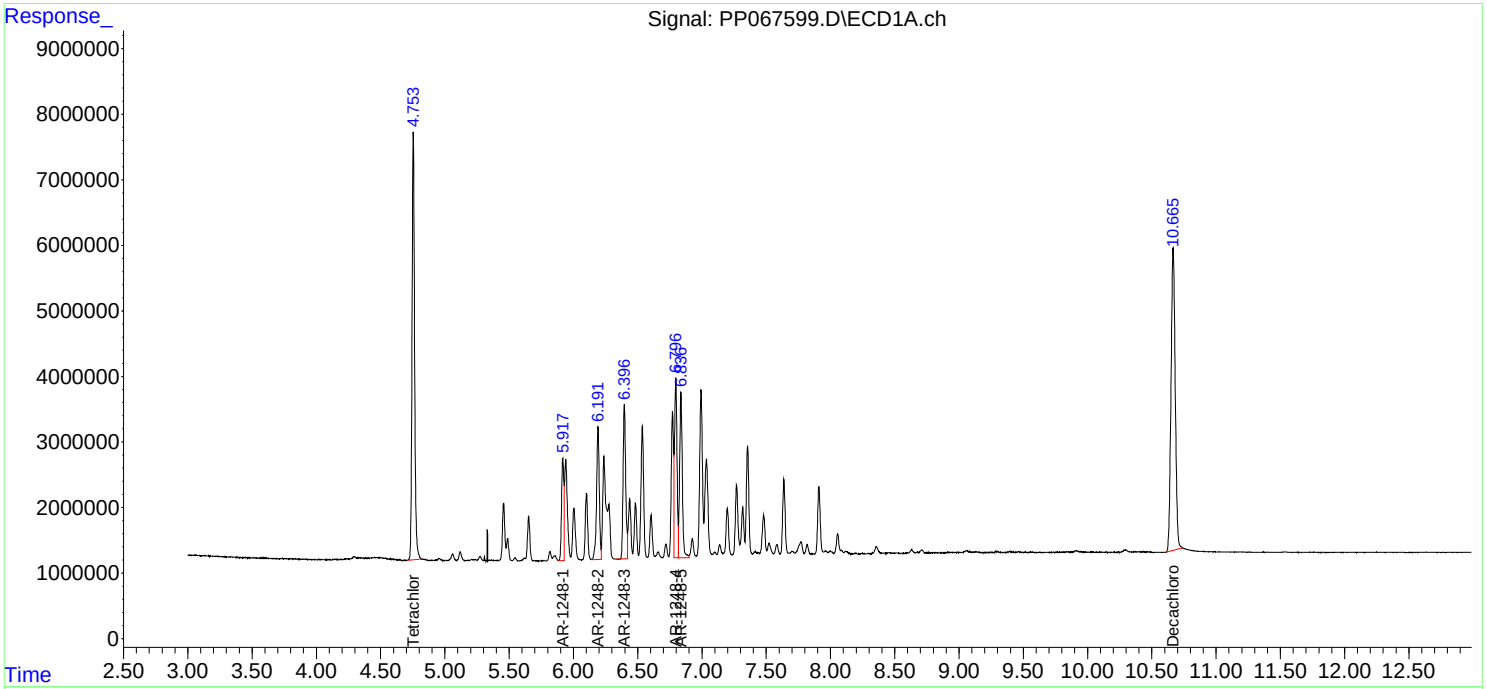
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

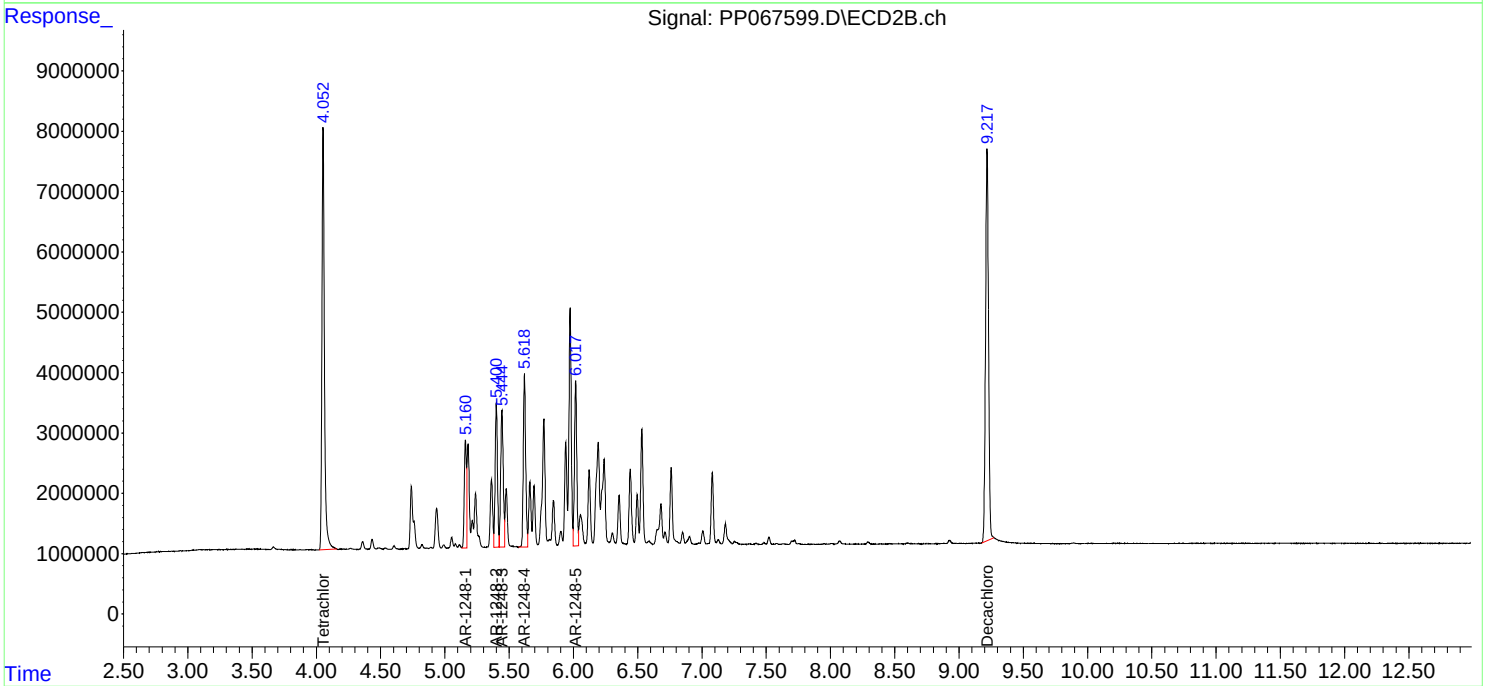
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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... | 4.754 | 4.052 | 69493624 | 74624596 | 72.855 | 74.581 |
| 2) | SA Decachlor... | 10.666 | 9.218 | 83225039 | 80485343 | 71.154 | 71.134 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 15890474 | 16419683 | 725.581 | 718.146 |
| 22) | L5 AR-1248-2 | 6.191 | 5.401 | 24196945 | 23698997 | 705.963 | 714.398 |
| 23) | L5 AR-1248-3 | 6.396 | 5.445 | 26508671 | 24837498 | 704.586 | 716.061 |
| 24) | L5 AR-1248-4 | 6.796 | 5.619 | 29562331 | 29080592 | 707.227 | 721.084 |
| 25) | L5 AR-1248-5 | 6.837 | 6.017 | 29214949 | 26933596 | 712.838 | 716.014 |

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

Quantitation Report (QT Reviewed)

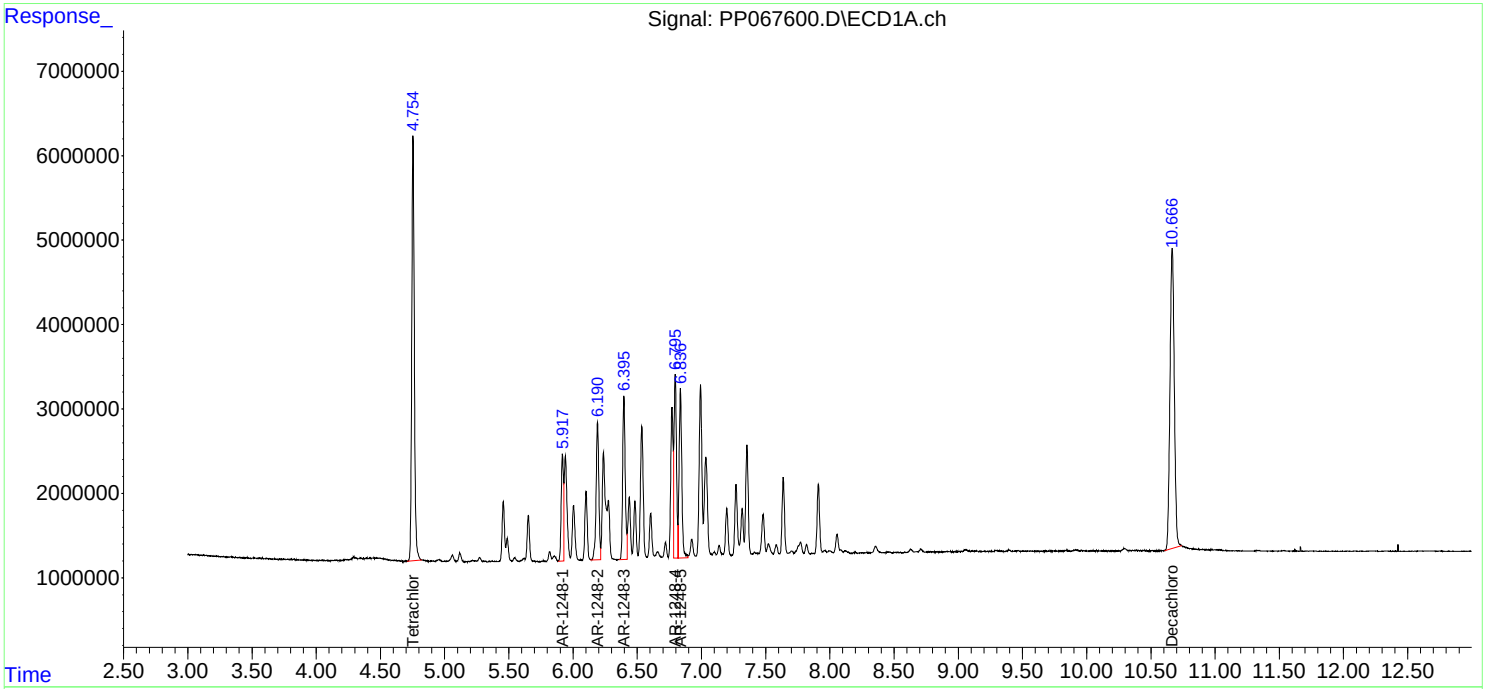
ICAL Form

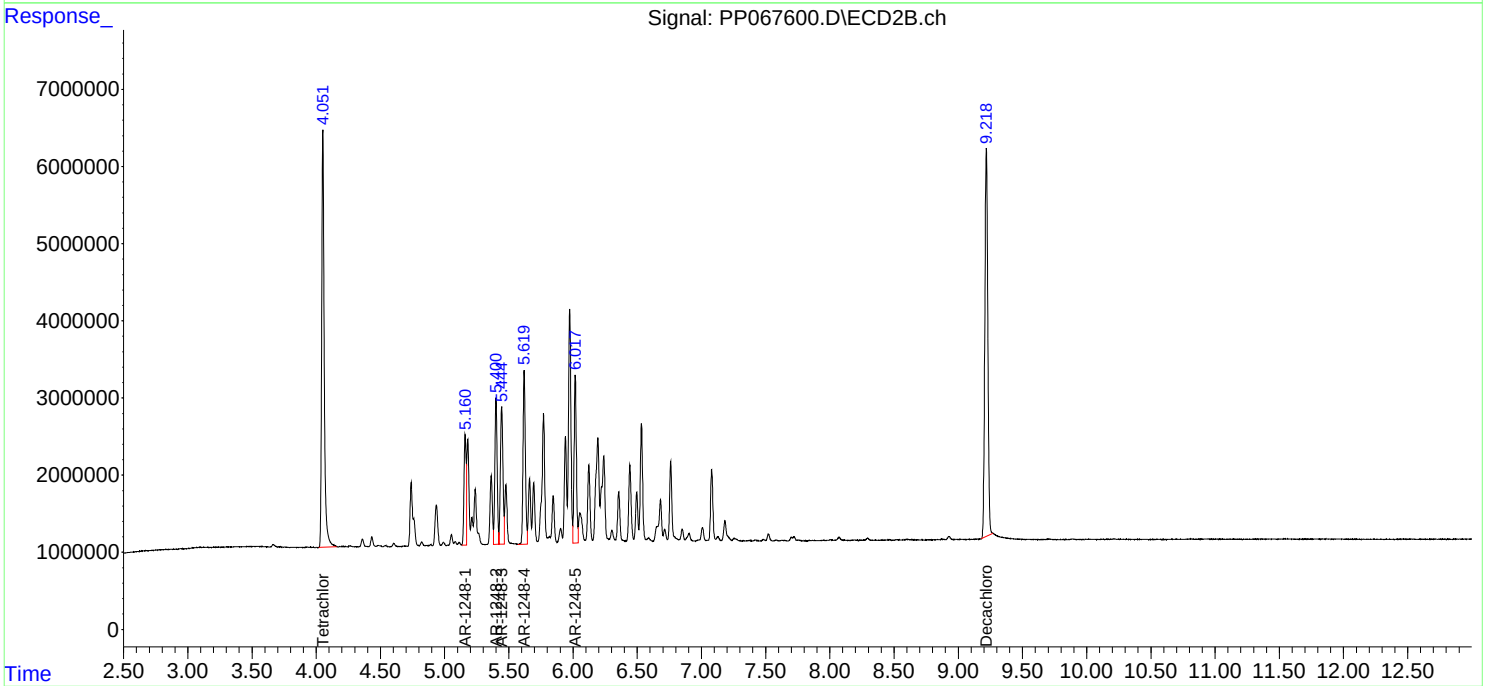
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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... | 4.754 | 4.052 | 47693362 | 50029562 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 58482460 | 56573282 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 10950168 | 11431997 | 500.000 | 500.000 |
| 22) | L5 AR-1248-2 | 6.191 | 5.400 | 17137536 | 16586689 | 500.000 | 500.000 |
| 23) | L5 AR-1248-3 | 6.396 | 5.443 | 18811532 | 17343136 | 500.000 | 500.000 |
| 24) | L5 AR-1248-4 | 6.796 | 5.618 | 20900161 | 20164510 | 500.000 | 500.000 |
| 25) | L5 AR-1248-5 | 6.836 | 6.017 | 20492008 | 18808021 | 500.000 | 500.000 |

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

Quantitation Report (QT Reviewed)

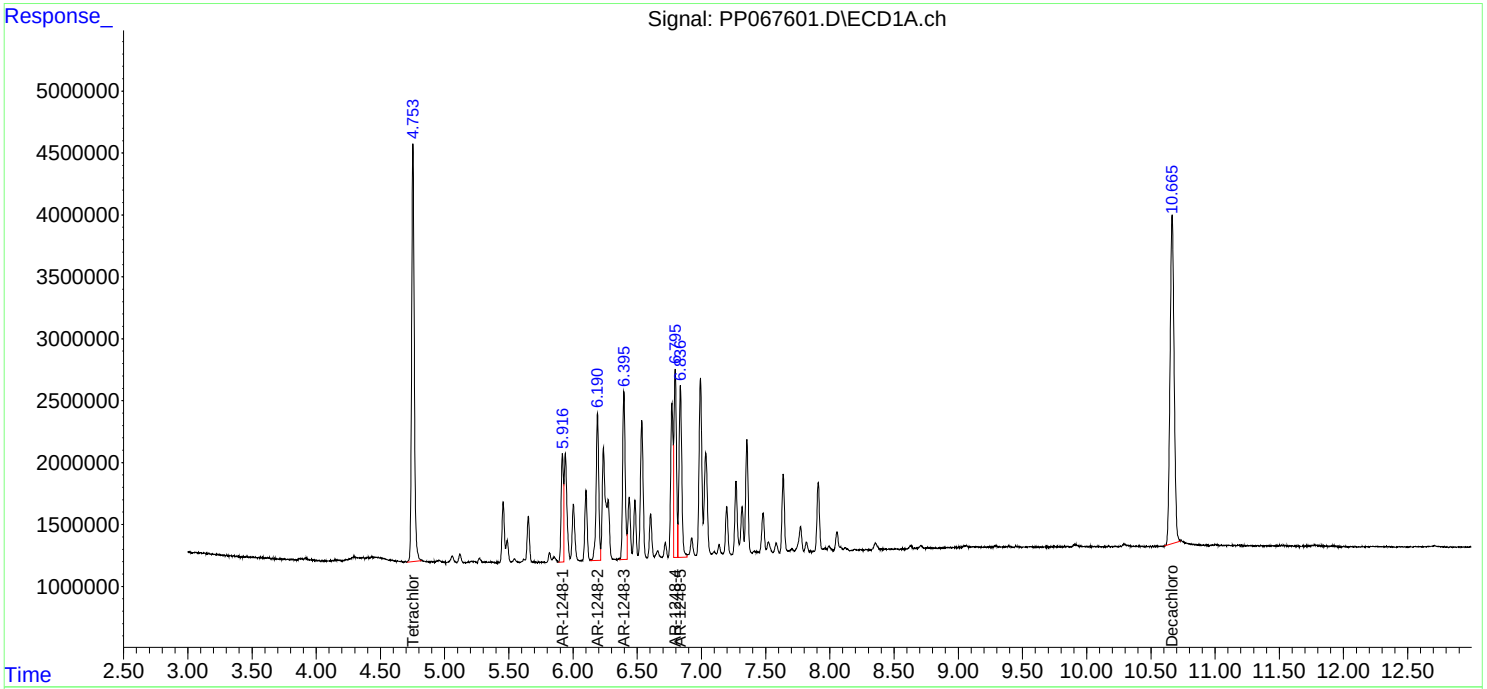
ICAL Form

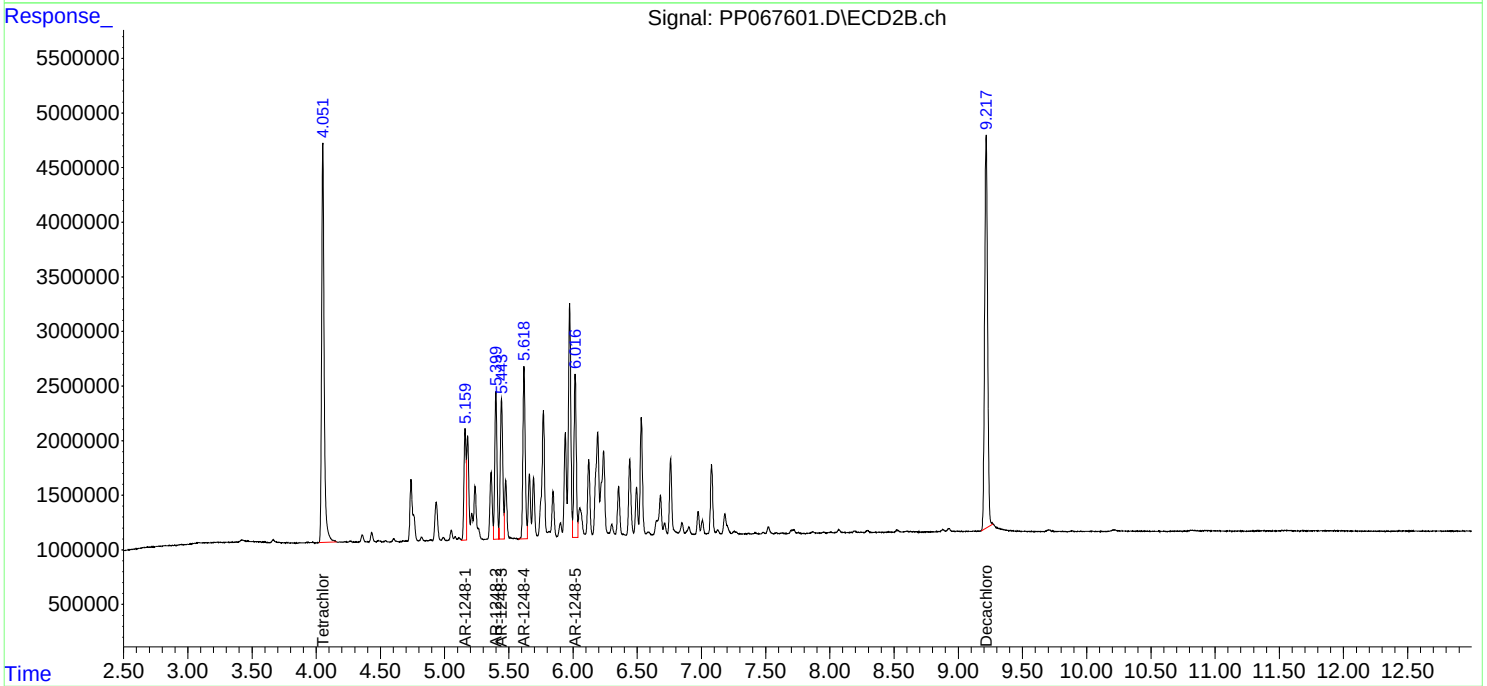
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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... | 4.754 | 4.052 | 24808977 | 26704709 | 26.009 | 26.689 |
| 2) | SA Decachlor... | 10.668 | 9.218 | 32052950 | 30387635 | 27.404 | 26.857 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.918 | 5.161 | 5912354 | 6018915 | 269.966 | 263.249 |
| 22) | L5 AR-1248-2 | 6.192 | 5.400 | 9231645 | 9030416 | 269.340 | 272.219 |
| 23) | L5 AR-1248-3 | 6.397 | 5.444 | 10139576 | 9394157 | 269.504 | 270.832 |
| 24) | L5 AR-1248-4 | 6.797 | 5.619 | 11182231 | 11056295 | 267.515 | 274.152 |
| 25) | L5 AR-1248-5 | 6.836 | 6.017 | 10945412 | 10118471 | 267.065 | 268.994 |

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

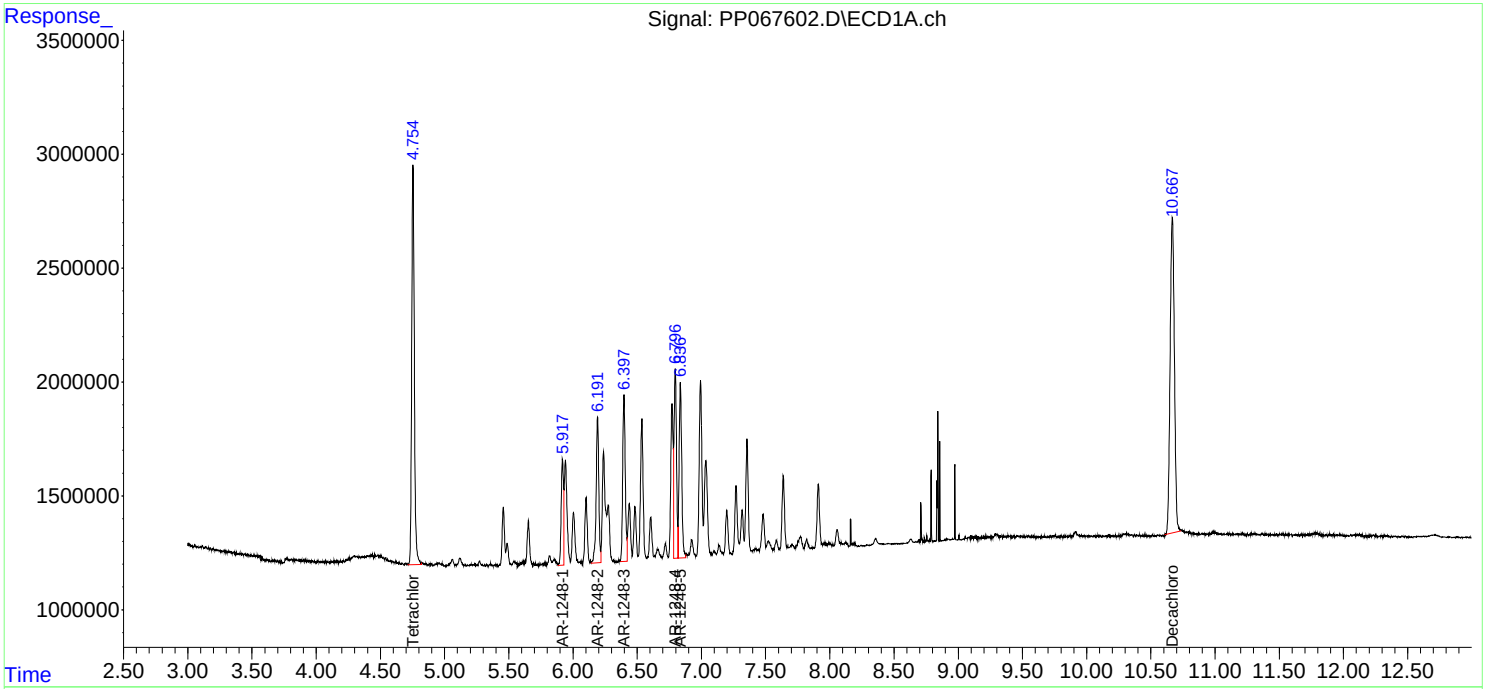
ICAL Form

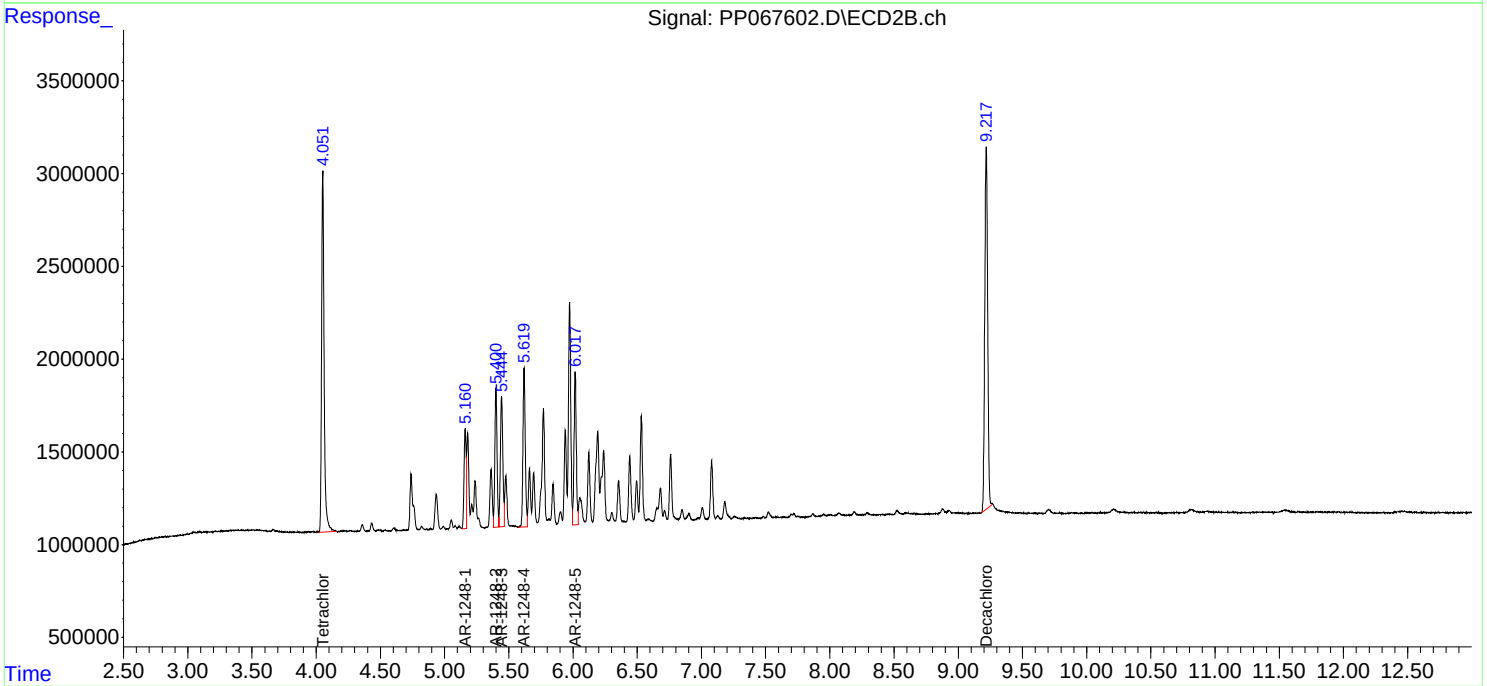
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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... | 4.753 | 4.051 | 4475784 | 4955188 | 4.692 | 4.952 |
| 2) SA | Decachlor... | 10.664 | 9.218 | 6512447 | 6206078 | 5.568 | 5.485 |
| | Target Compounds | | | | | | |
| 21) L5 | AR-1248-1 | 5.918 | 5.161 | 1039264 | 1208163 | 47.454 | 52.841 |
| 22) L5 | AR-1248-2 | 6.190 | 5.401 | 1735318 | 1749277 | 50.629 | 52.731 |
| 23) L5 | AR-1248-3 | 6.396 | 5.445 | 1828118 | 1794734 | 48.590 | 51.742 |
| 24) L5 | AR-1248-4 | 6.796 | 5.619 | 1969132 | 2246071 | 47.108 | 55.694 |
| 25) L5 | AR-1248-5 | 6.835 | 6.017 | 1892267 | 1950657 | 46.171 | 51.857 |

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

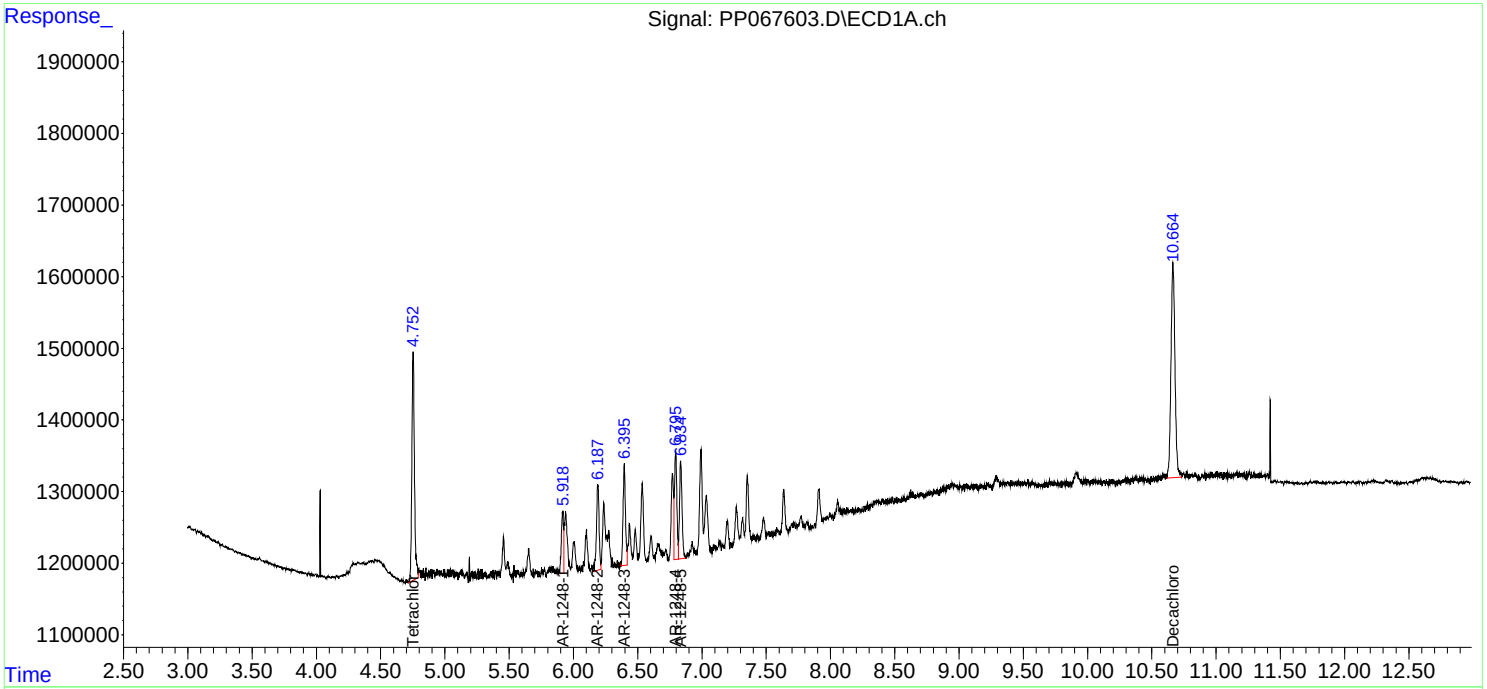
ICAL Form

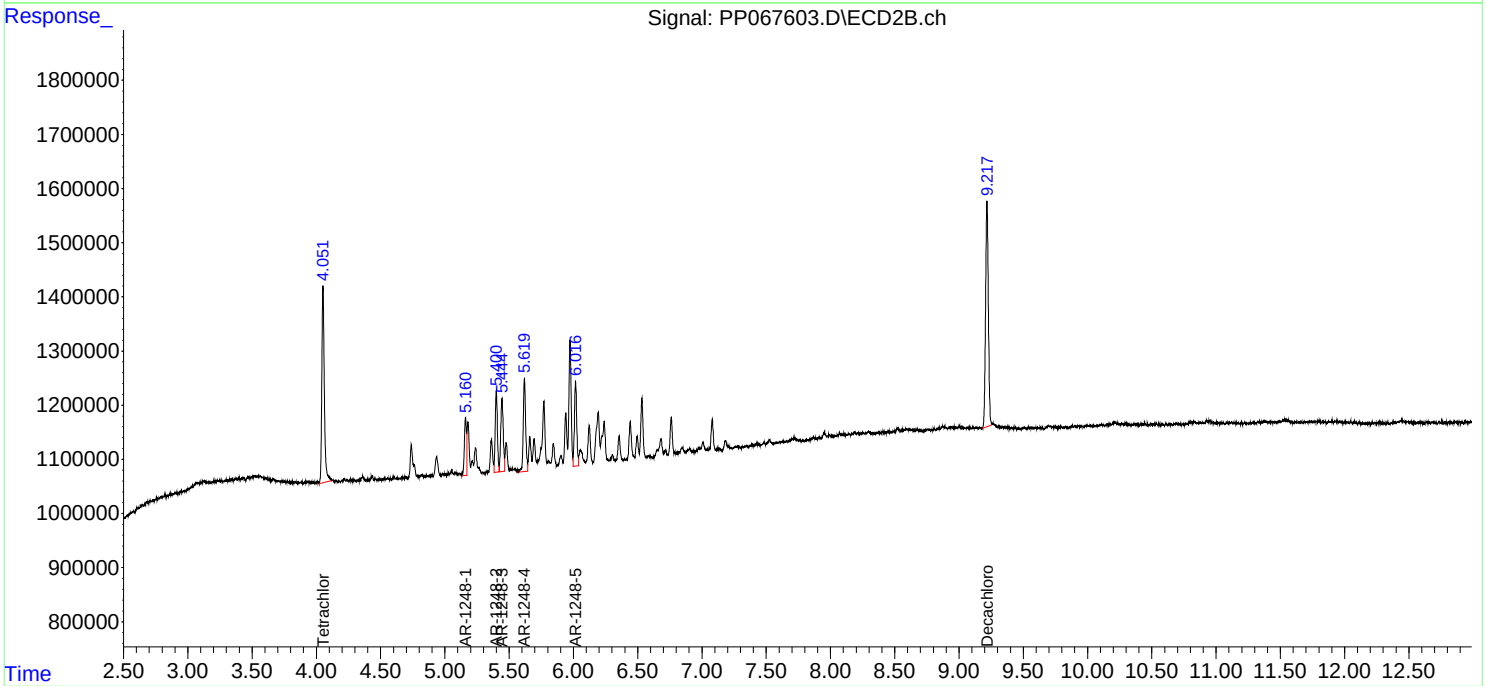
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:05
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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... | 4.755 | 4.052 | 93136358 | 96989057 | 97.408 | 93.351 |
| 2) | SA Decachlor... | 10.668 | 9.218 | 106.8E6 | 104.1E6 | 90.386 | 91.127 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.774 | 5.976 | 40350769 | 53478224 | 891.057 | 907.039 |
| 27) | L6 AR-1254-2 | 6.992 | 6.123 | 59814731 | 47135286 | 909.208 | 903.899 |
| 28) | L6 AR-1254-3 | 7.356 | 6.533 | 64043672 | 76675976 | 922.974 | 921.526 |
| 29) | L6 AR-1254-4 | 7.639 | 6.761 | 45989306 | 44235570 | 916.896 | 914.644 |
| 30) | L6 AR-1254-5 | 8.057 | 7.183 | 54192853 | 68142947 | 907.279 | 923.842 |

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

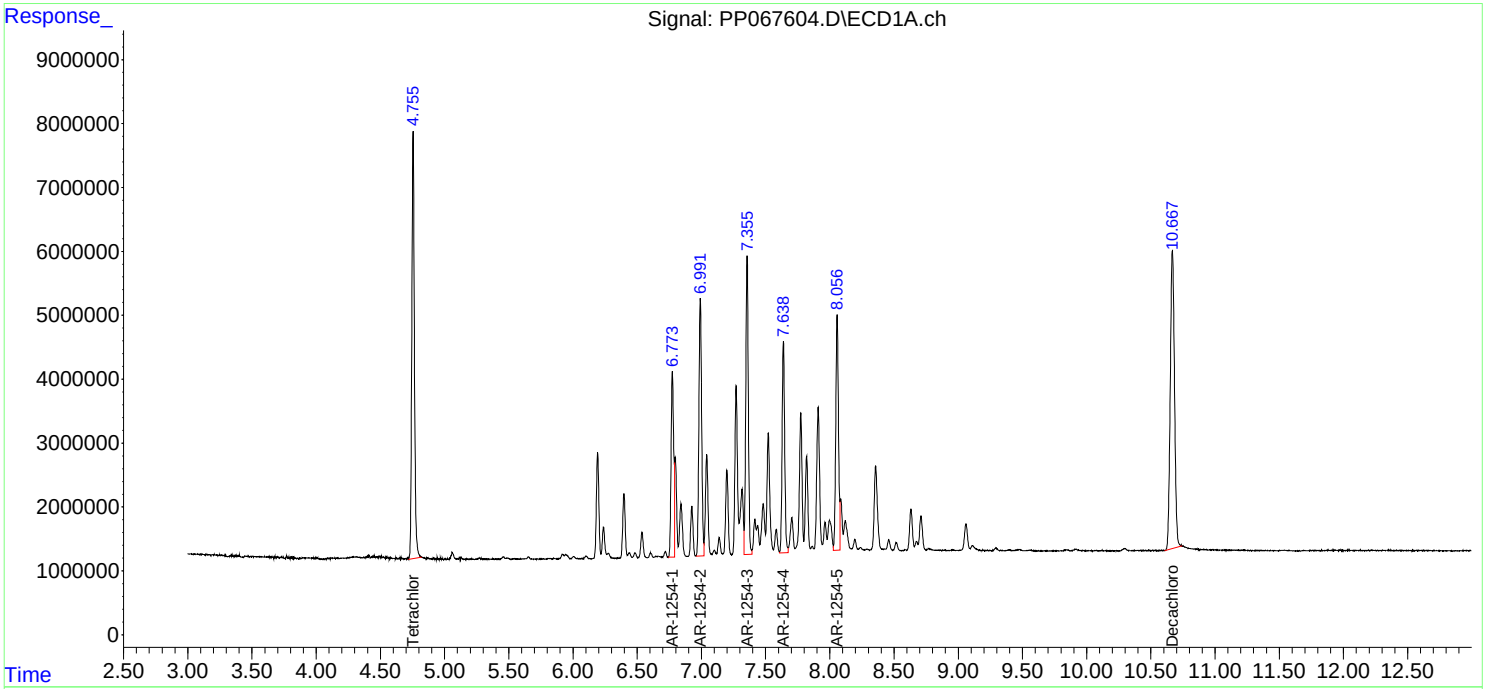
ICAL Form

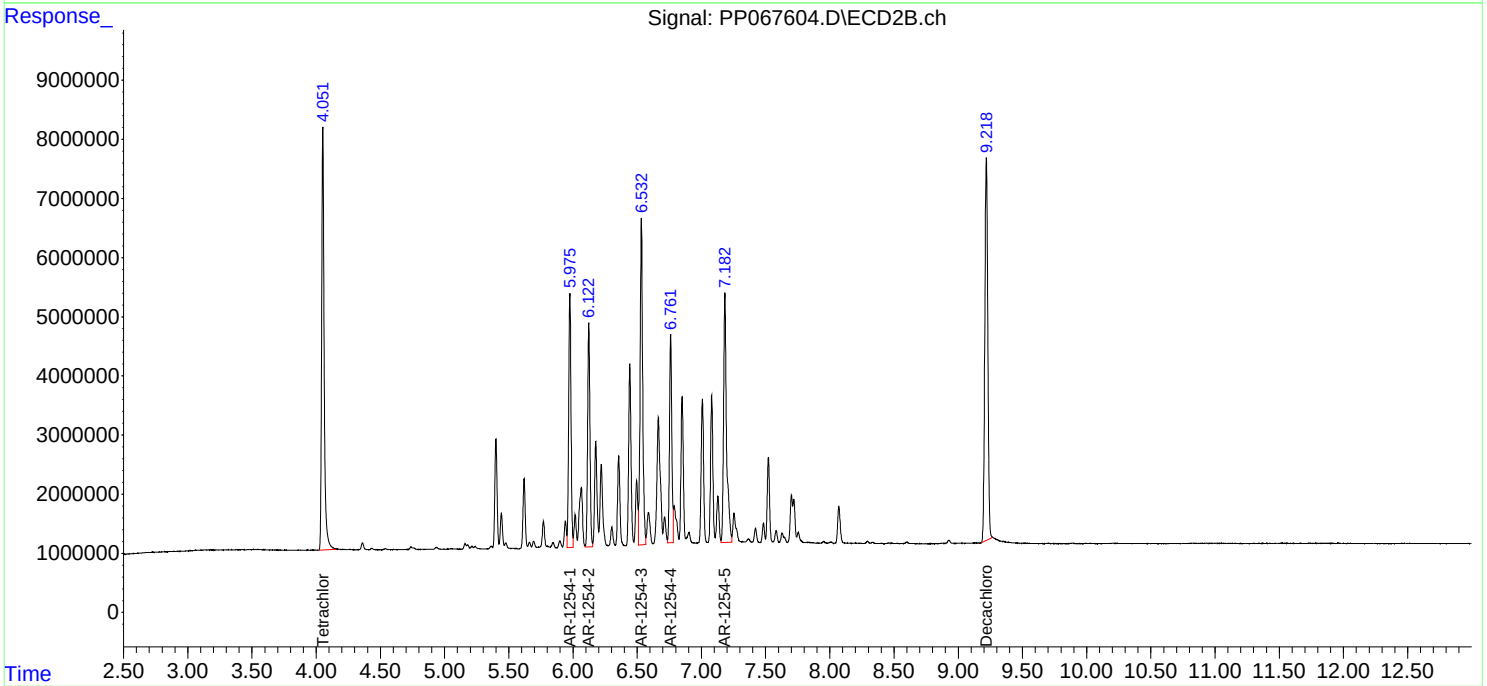
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:05
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:21
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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... | 4.753 | 4.051 | 70192351 | 74352040 | 73.411 | 71.563 |
| 2) | SA Decachlor... | 10.667 | 9.217 | 82958706 | 81163692 | 70.176 | 71.038 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.773 | 5.974 | 31561919 | 41171965 | 696.975 | 698.314 |
| 27) | L6 AR-1254-2 | 6.990 | 6.122 | 46597143 | 36504234 | 708.296 | 700.030 |
| 28) | L6 AR-1254-3 | 7.355 | 6.532 | 49373386 | 58927028 | 711.552 | 708.211 |
| 29) | L6 AR-1254-4 | 7.637 | 6.760 | 35595125 | 34454732 | 709.666 | 712.409 |
| 30) | L6 AR-1254-5 | 8.055 | 7.181 | 42804650 | 53003573 | 716.622m | 718.591 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:21
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

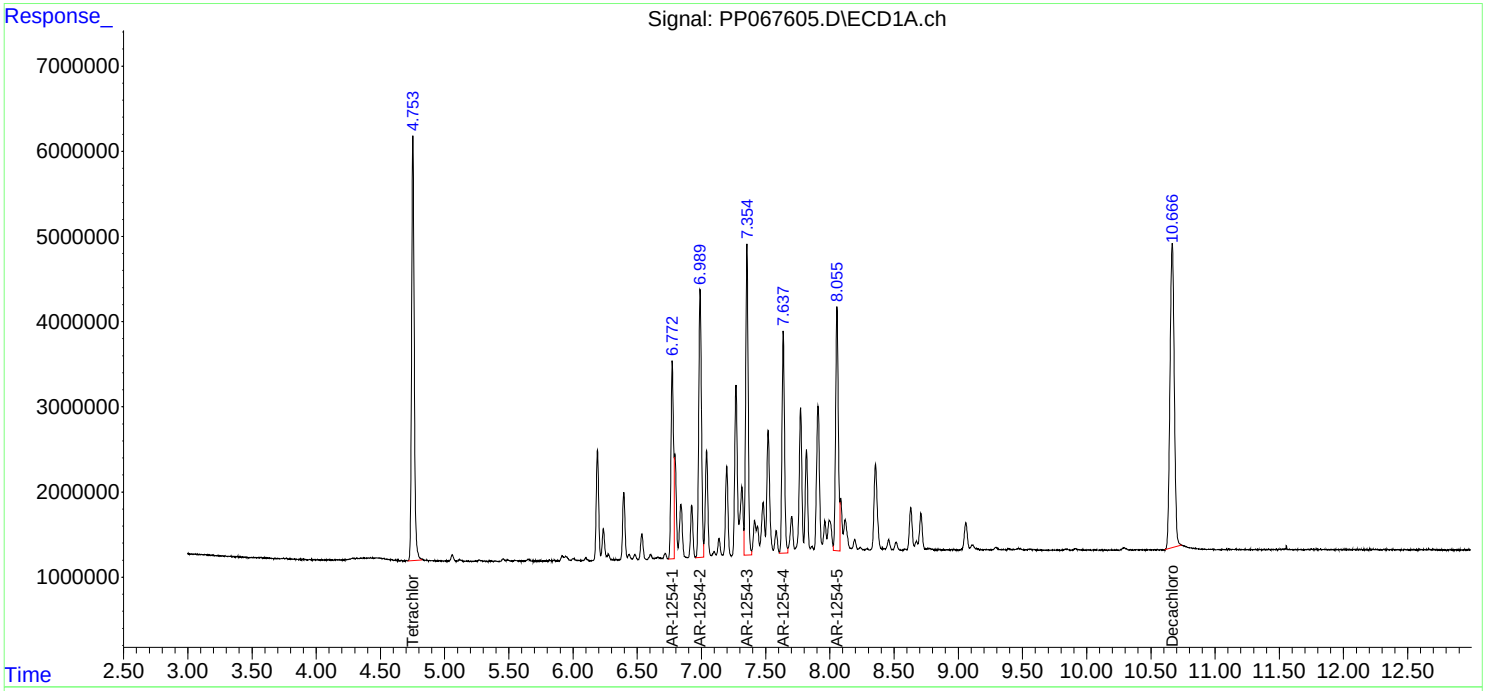
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

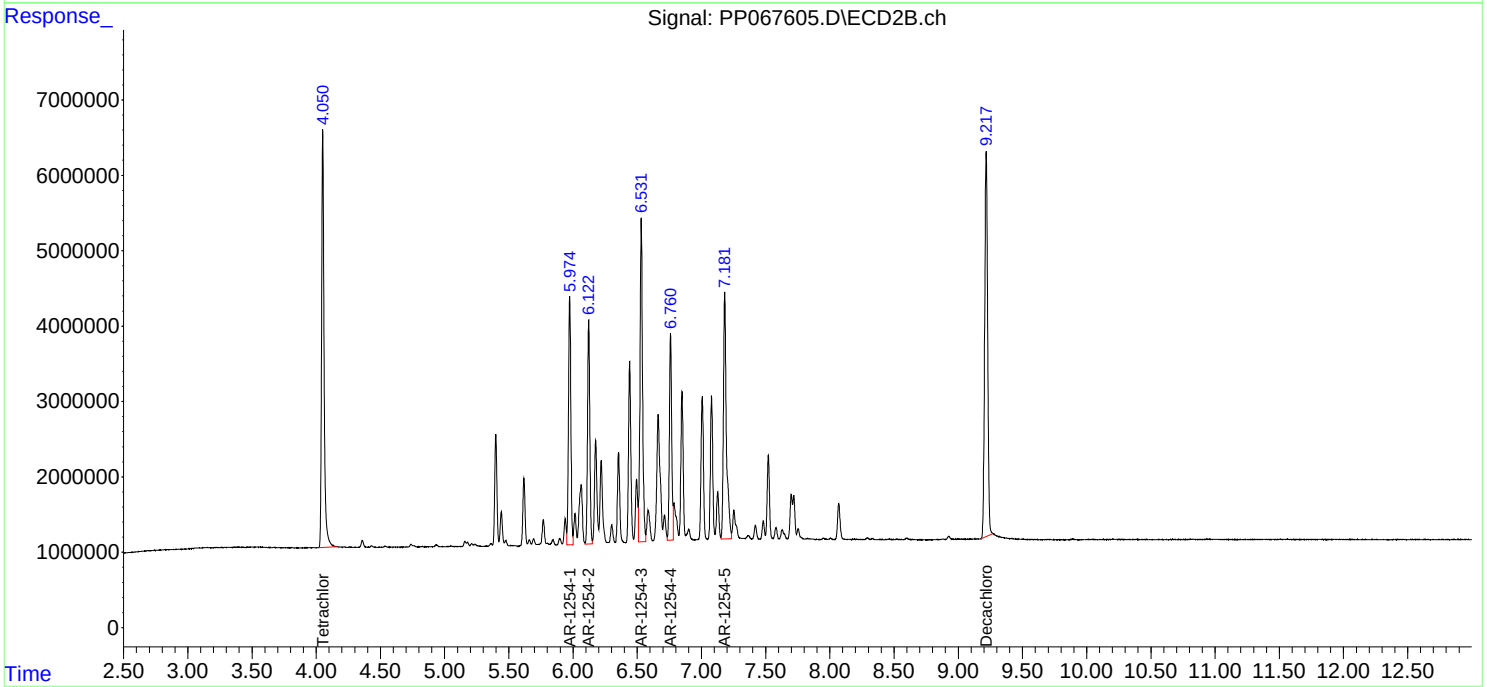
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:37
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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... | 4.754 | 4.052 | 47807478 | 51948776 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.665 | 9.217 | 59107523 | 57126860 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.773 | 5.975 | 22642078 | 29479569 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 6.990 | 6.122 | 32893849 | 26073326 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 7.354 | 6.532 | 34694173 | 41602708 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 7.637 | 6.760 | 25078789 | 24181840 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 8.055 | 7.182 | 29926276 | 36880207 | 501.016m | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:37
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

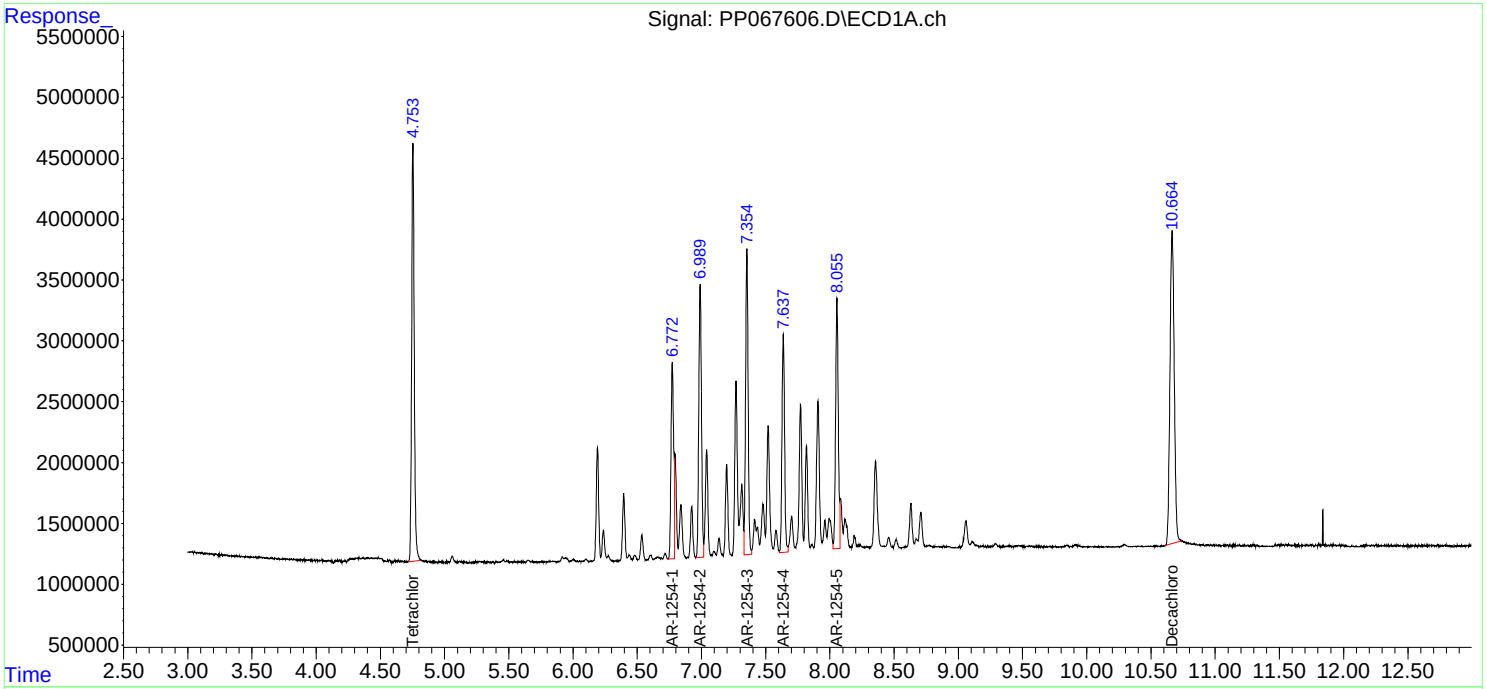
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

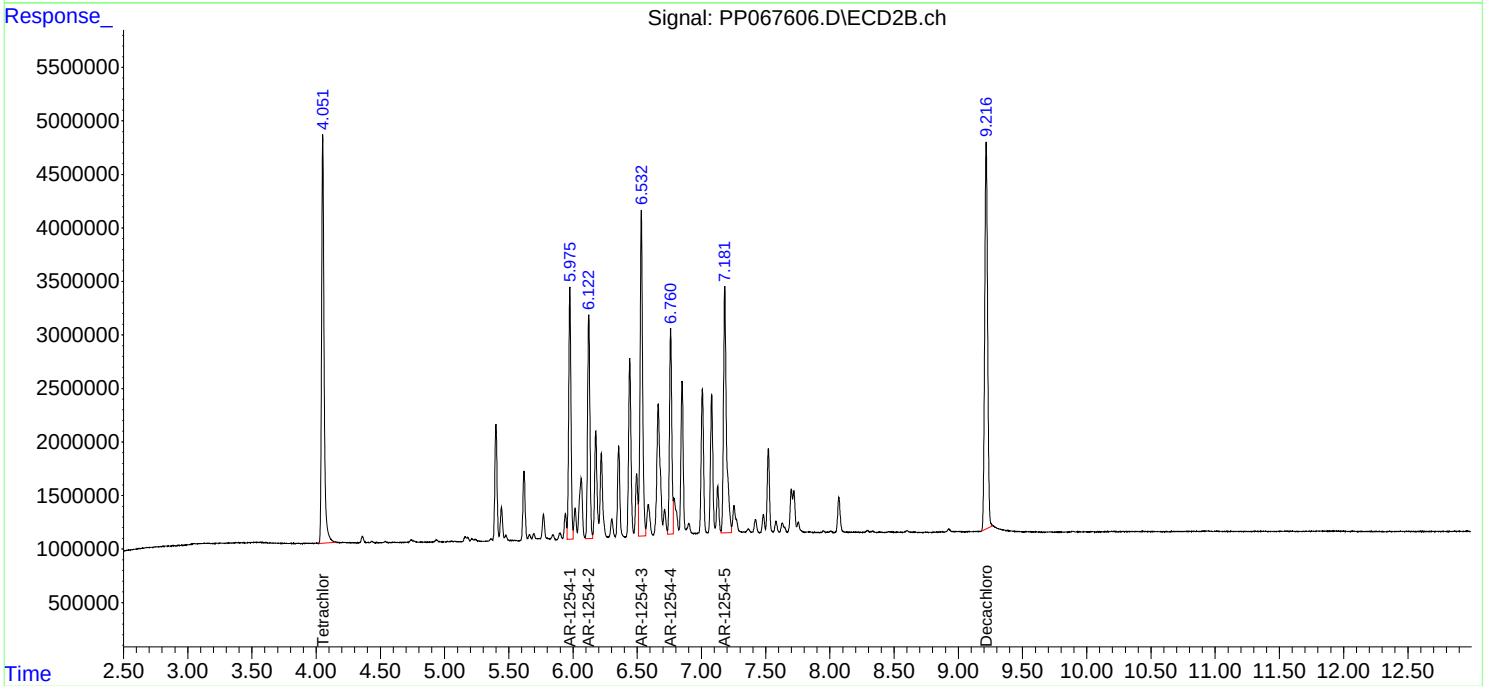
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:53
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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... | 4.754 | 4.052 | 24728991 | 26617685 | 25.863 | 25.619 |
| 2) | SA Decachlor... | 10.667 | 9.218 | 32450308 | 31106143 | 27.450 | 27.225 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.773 | 5.975 | 12217138 | 16021364 | 269.788 | 271.737 |
| 27) | L6 AR-1254-2 | 6.990 | 6.123 | 17906285 | 14230610 | 272.183 | 272.896 |
| 28) | L6 AR-1254-3 | 7.355 | 6.533 | 18695673 | 22271744 | 269.435 | 267.672 |
| 29) | L6 AR-1254-4 | 7.637 | 6.761 | 13605001 | 12984675 | 271.245 | 268.480 |
| 30) | L6 AR-1254-5 | 8.056 | 7.182 | 16027101 | 19703311 | 268.321 | 267.126 |

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

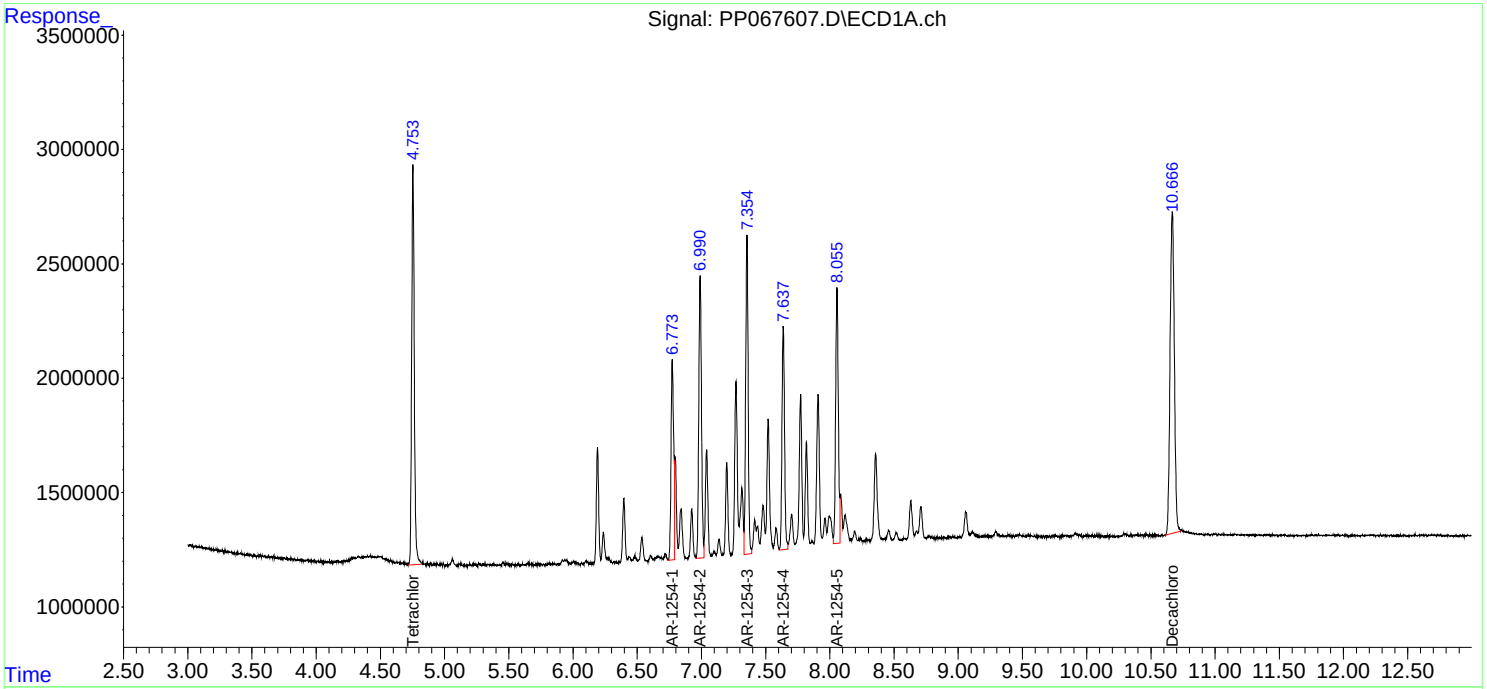
ICAL Form

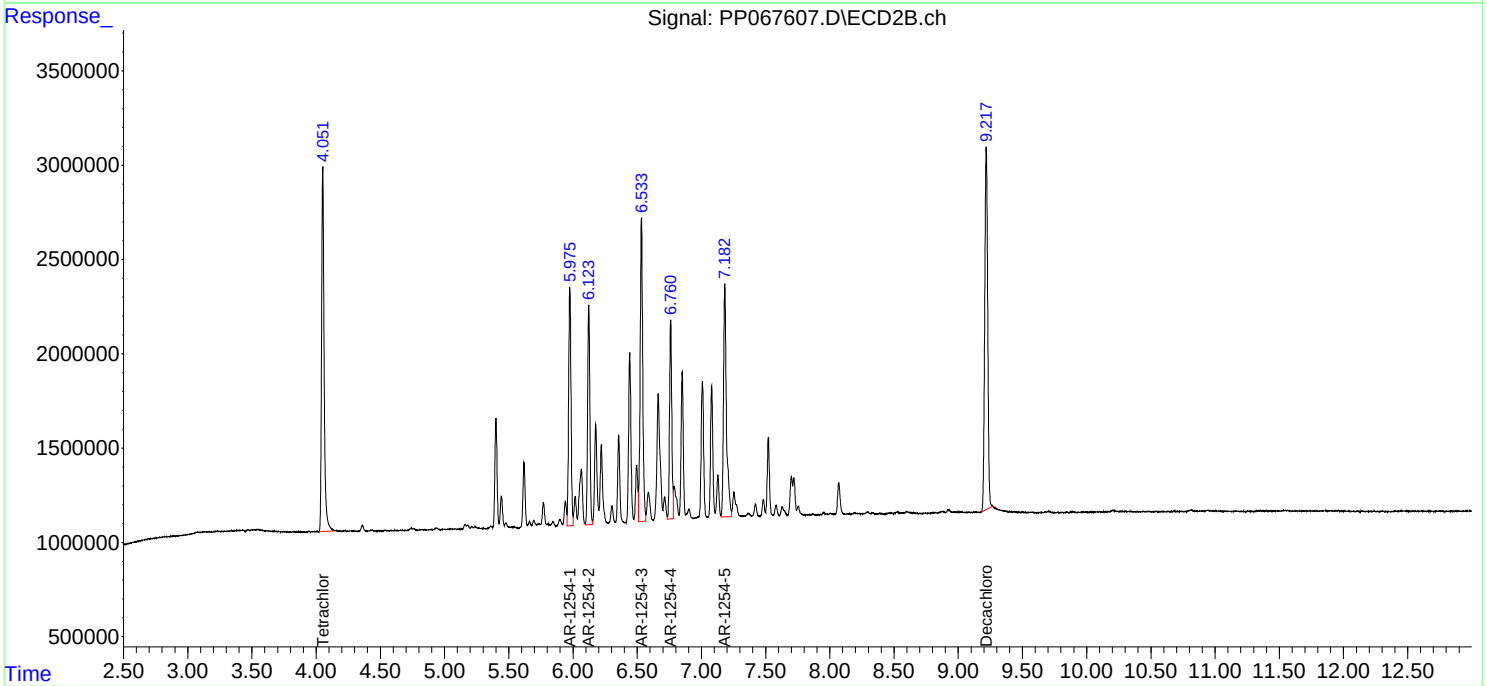
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:53
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:09
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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... | 4.753 | 4.052 | 4394026 | 4972328 | 4.596 | 4.786 |
| 2) | SA Decachlor... | 10.664 | 9.218 | 6314277 | 6350903 | 5.341 | 5.559 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.772 | 5.976 | 2366321 | 3200036 | 52.255m | 54.275 |
| 27) | L6 AR-1254-2 | 6.990 | 6.123 | 3556583 | 2872212 | 54.062 | 55.080 |
| 28) | L6 AR-1254-3 | 7.355 | 6.533 | 3660885 | 4425126 | 52.759 | 53.183 |
| 29) | L6 AR-1254-4 | 7.637 | 6.760 | 2574785 | 2544683 | 51.334 | 52.616m |
| 30) | L6 AR-1254-5 | 8.056 | 7.182 | 3061843 | 3818409 | 51.260 | 51.768 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:09
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

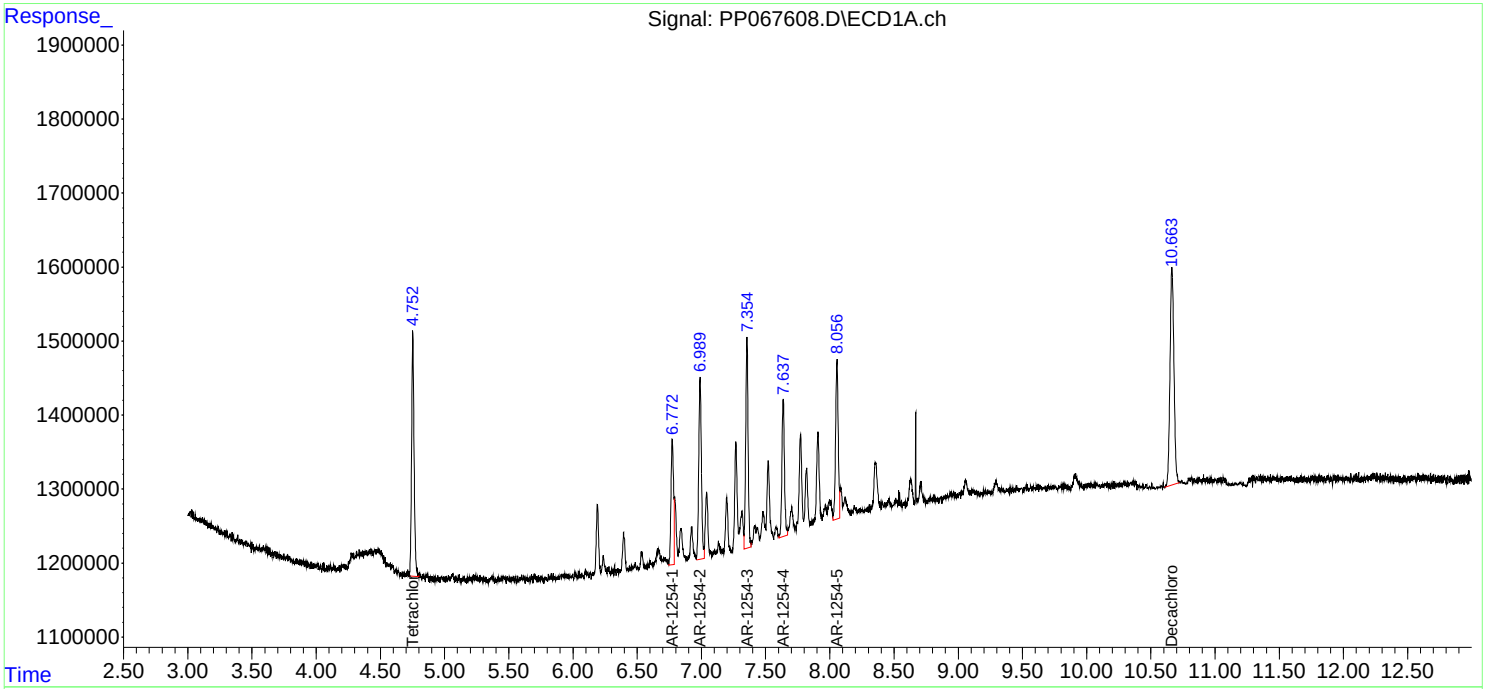
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

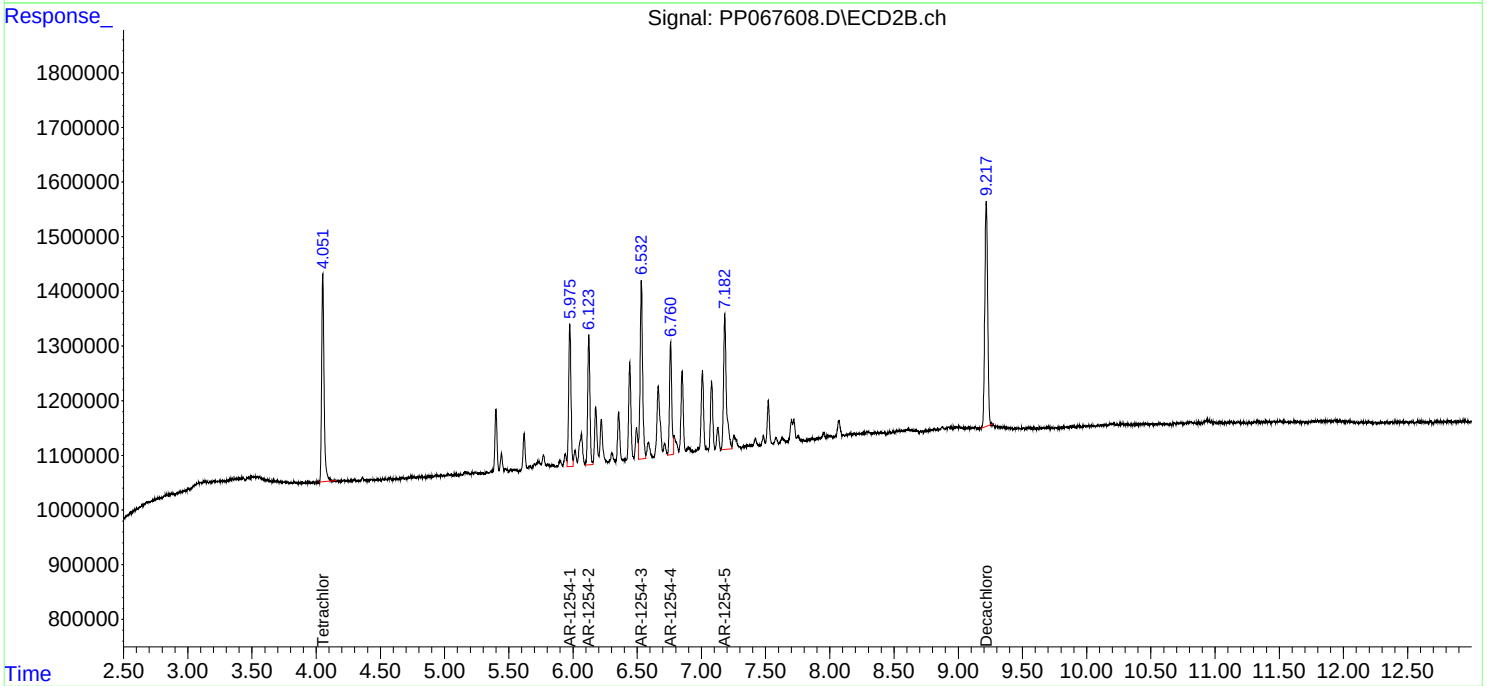
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:02:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 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... | 4.753 | 4.051 | 46189834 | 49400193 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.664 | 9.217 | 57664981 | 56385121 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 8.373 | 7.219 | 35885658 | 39336733 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 8.709 | 7.482 | 60790127 | 35481005 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 9.048 | 8.007 | 44257142 | 28549651 | 500.670m | 500.000 |
| 39) | L8 AR-1262-4 | 9.140 | 8.070 | 34972436 | 50218224 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 9.842 | 8.598 | 23395635 | 25008878 | 500.000 | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

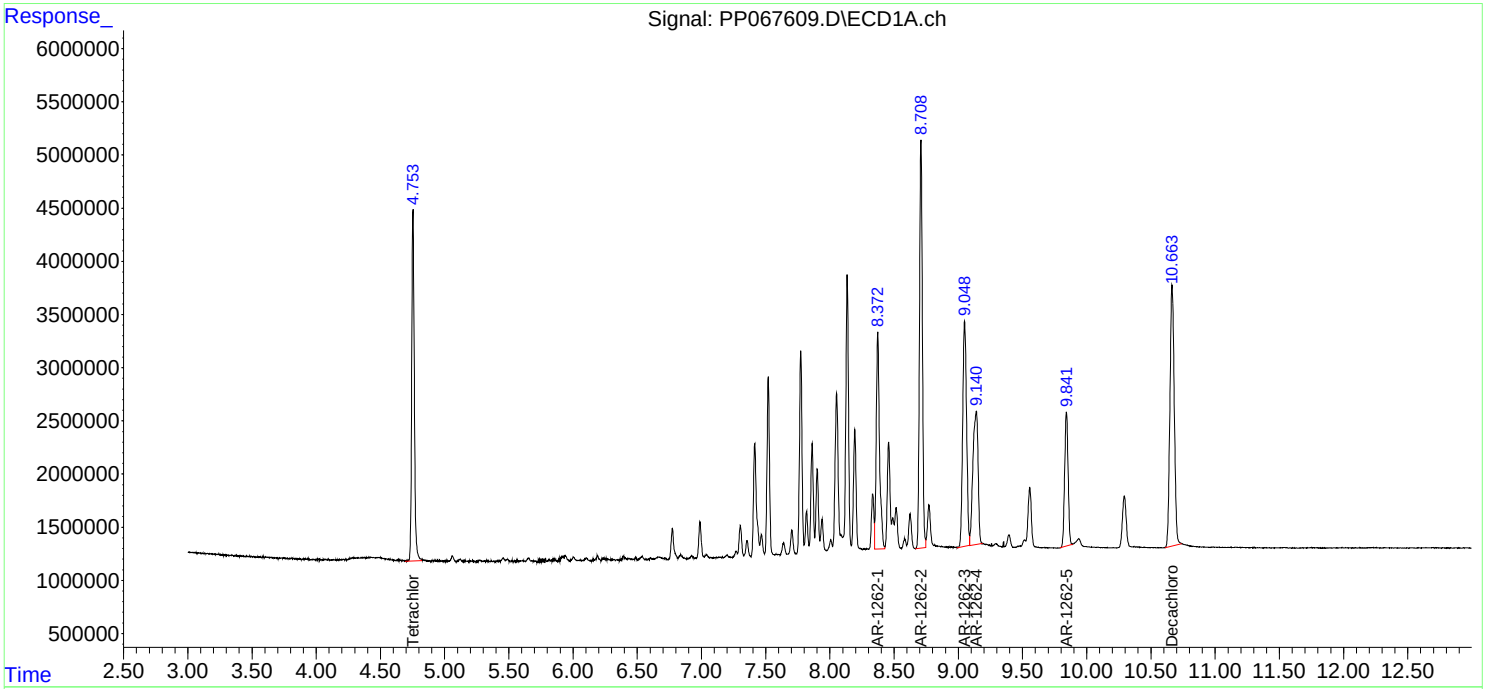
**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

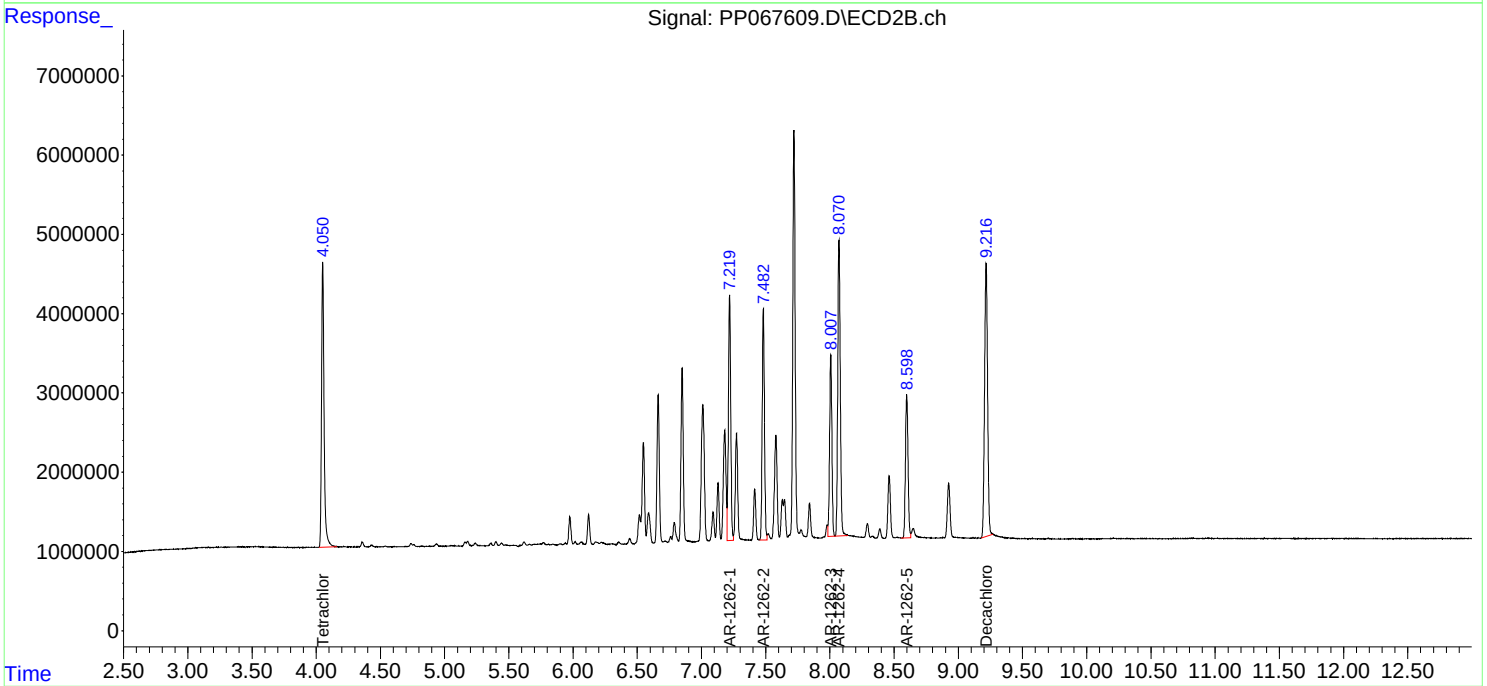
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:02:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:42
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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... | 4.755 | 4.051 | 90812575 | 97016985 | 95.024 | 96.337 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 175.8E6 | 175.5E6 | 90.038 | 92.883 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.045 | 8.006 | 139.5E6 | 147.0E6 | 925.475m | 929.738m |
| 42) | L9 AR-1268-2 | 9.145 | 8.072 | 125.7E6 | 133.1E6 | 920.211 | 933.699 |
| 43) | L9 AR-1268-3 | 9.396 | 8.291 | 110.7E6 | 117.4E6 | 925.055 | 927.652 |
| 44) | L9 AR-1268-4 | 9.844 | 8.599 | 48063749 | 51956547 | 911.676 | 948.161 |
| 45) | L9 AR-1268-5 | 10.295 | 8.926 | 348.4E6 | 359.3E6 | 936.060 | 959.229 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:42
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

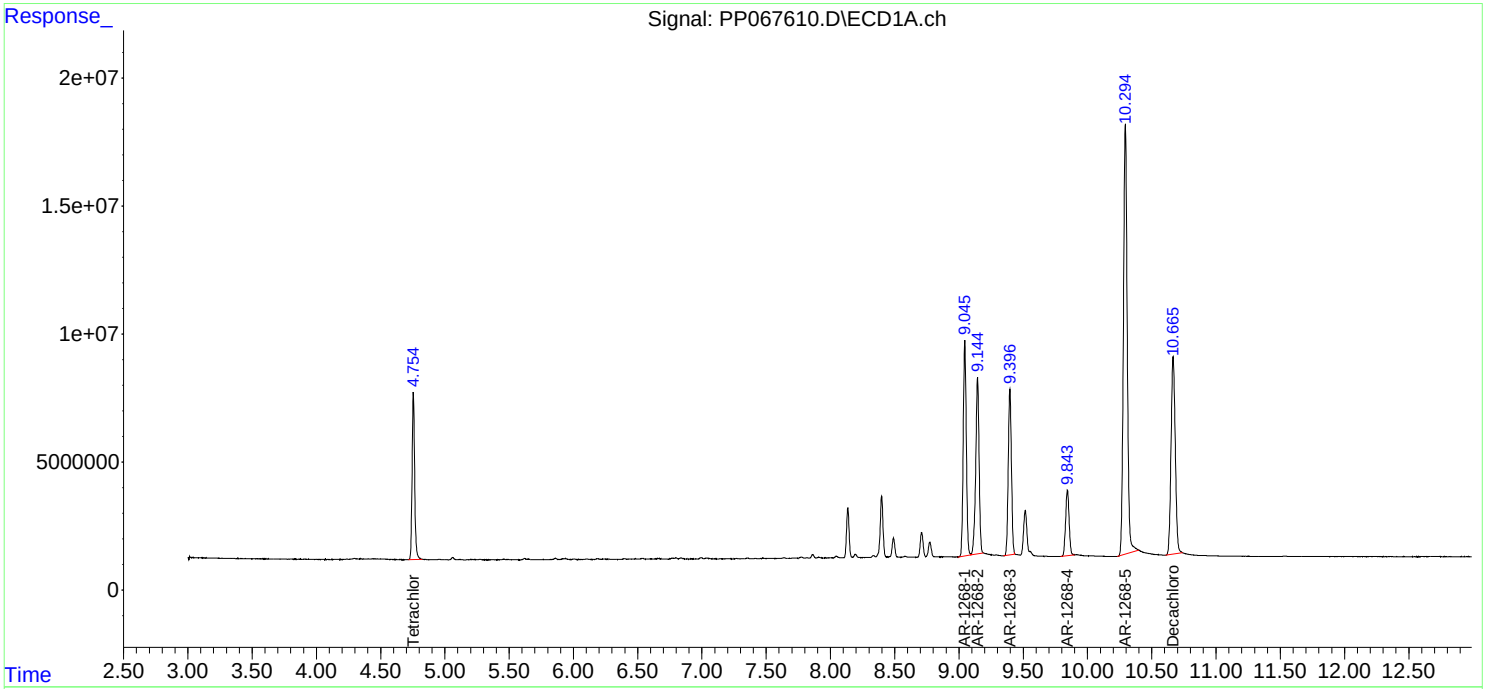
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

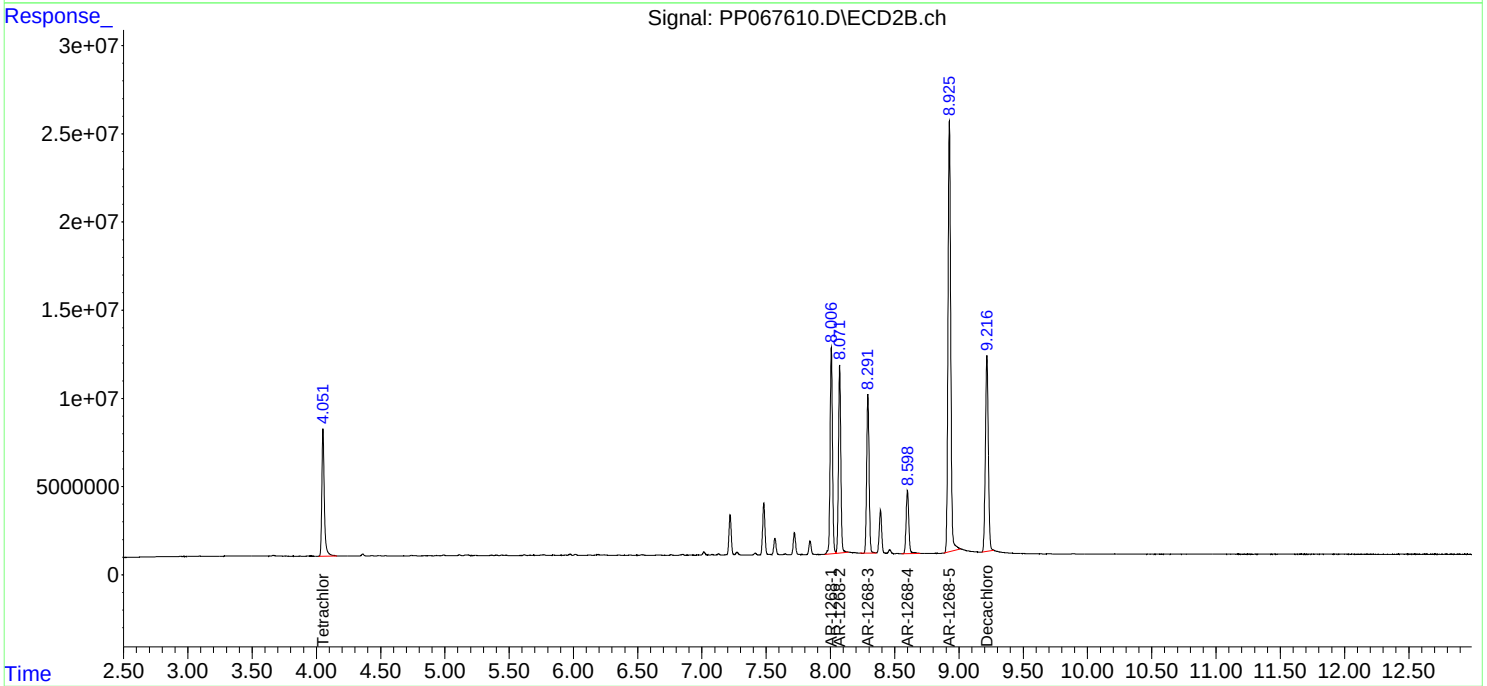
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:58
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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... | 4.753 | 4.052 | 69222191 | 74341167 | 72.432 | 73.820 |
| 2) | SA Decachlor... | 10.665 | 9.218 | 137.1E6 | 135.2E6 | 70.184 | 71.539 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.044 | 8.008 | 108.4E6 | 113.9E6 | 718.757m | 720.350m |
| 42) | L9 AR-1268-2 | 9.144 | 8.073 | 97566346 | 102.9E6 | 714.368 | 722.244 |
| 43) | L9 AR-1268-3 | 9.394 | 8.293 | 87555808 | 91128240 | 731.858 | 720.283 |
| 44) | L9 AR-1268-4 | 9.841 | 8.600 | 37417513 | 40464284 | 709.738 | 738.438 |
| 45) | L9 AR-1268-5 | 10.294 | 8.927 | 267.5E6 | 273.3E6 | 718.811 | 729.610 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:58
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

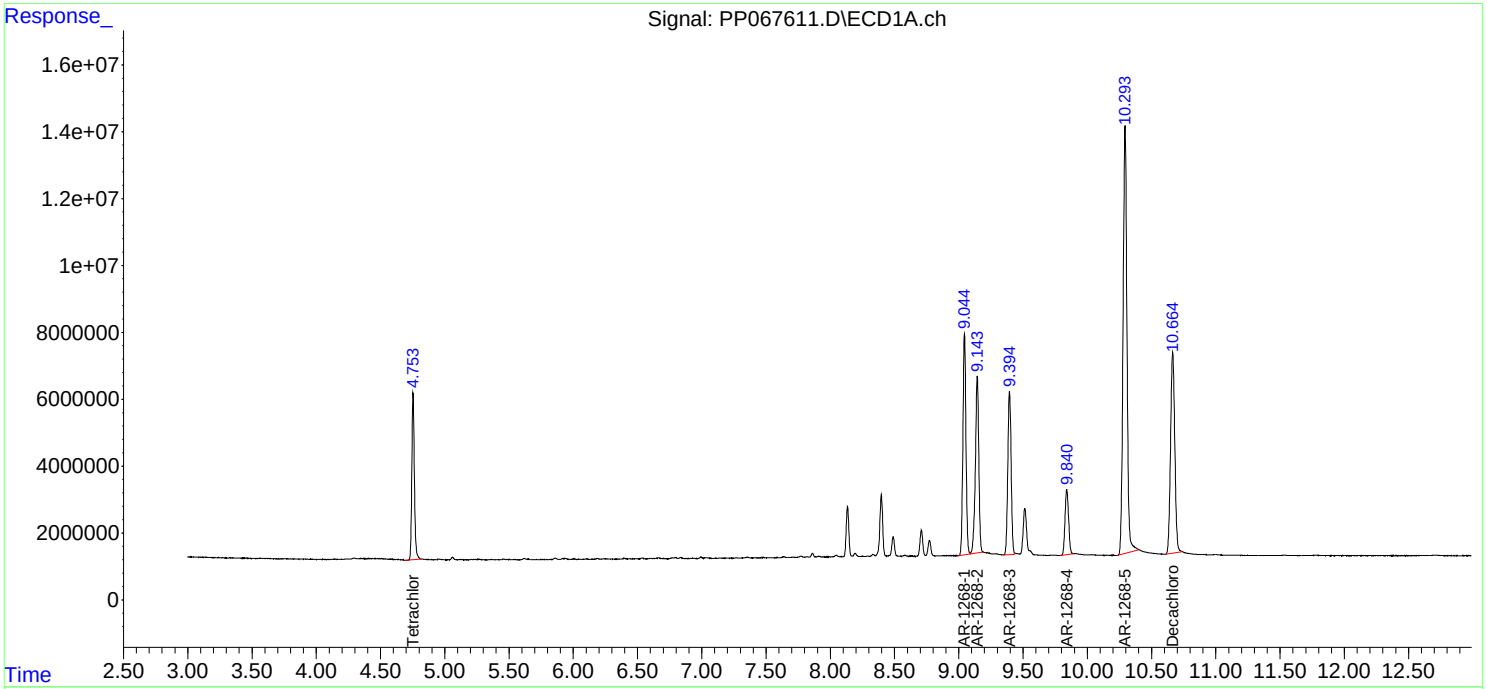
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

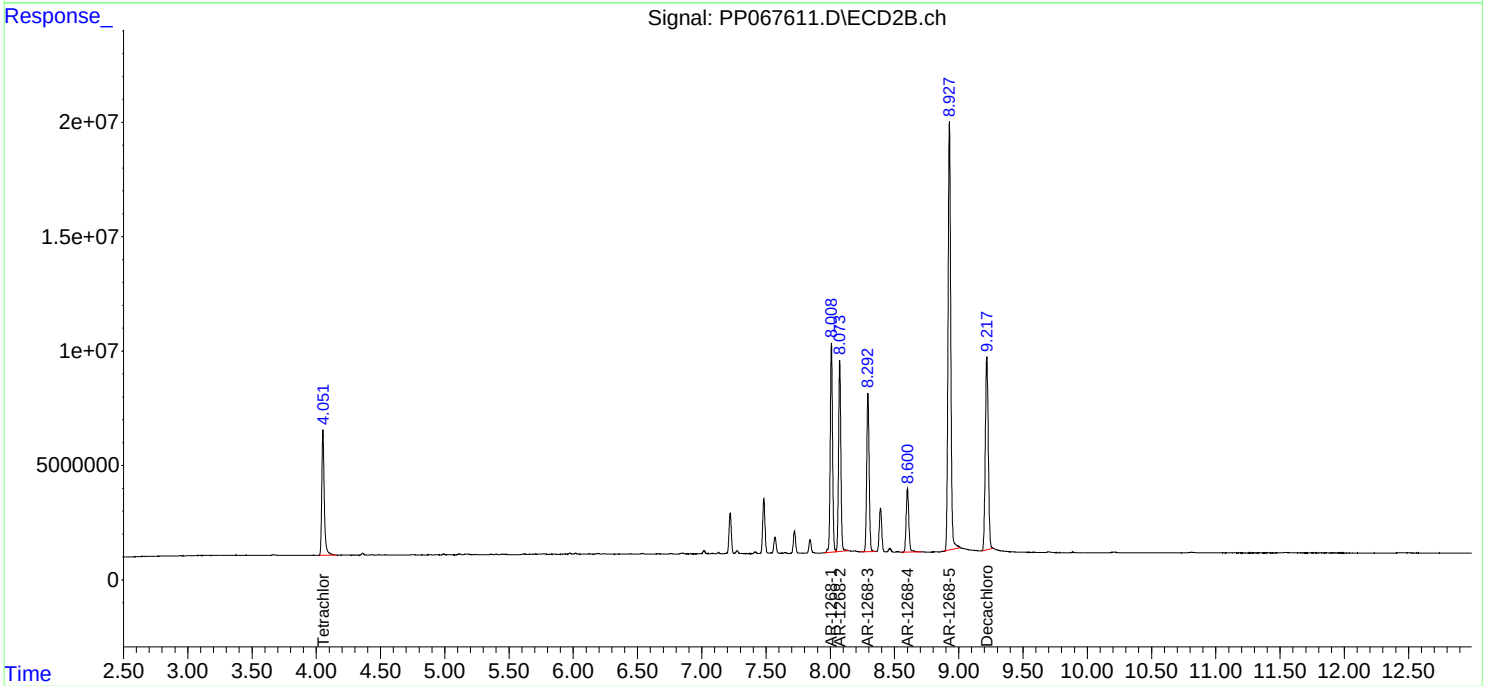
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:14
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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... | 4.753 | 4.052 | 47784228 | 50352989 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.665 | 9.217 | 97646544 | 94483308 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.043 | 8.007 | 75498831 | 79009584 | 500.821m | 499.762m |
| 42) | L9 AR-1268-2 | 9.144 | 8.073 | 68288565 | 71261711 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 9.395 | 8.292 | 59817506 | 63258627 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.843 | 8.599 | 26360092 | 27398577 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 10.294 | 8.925 | 186.1E6 | 187.3E6 | 500.000 | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:14
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

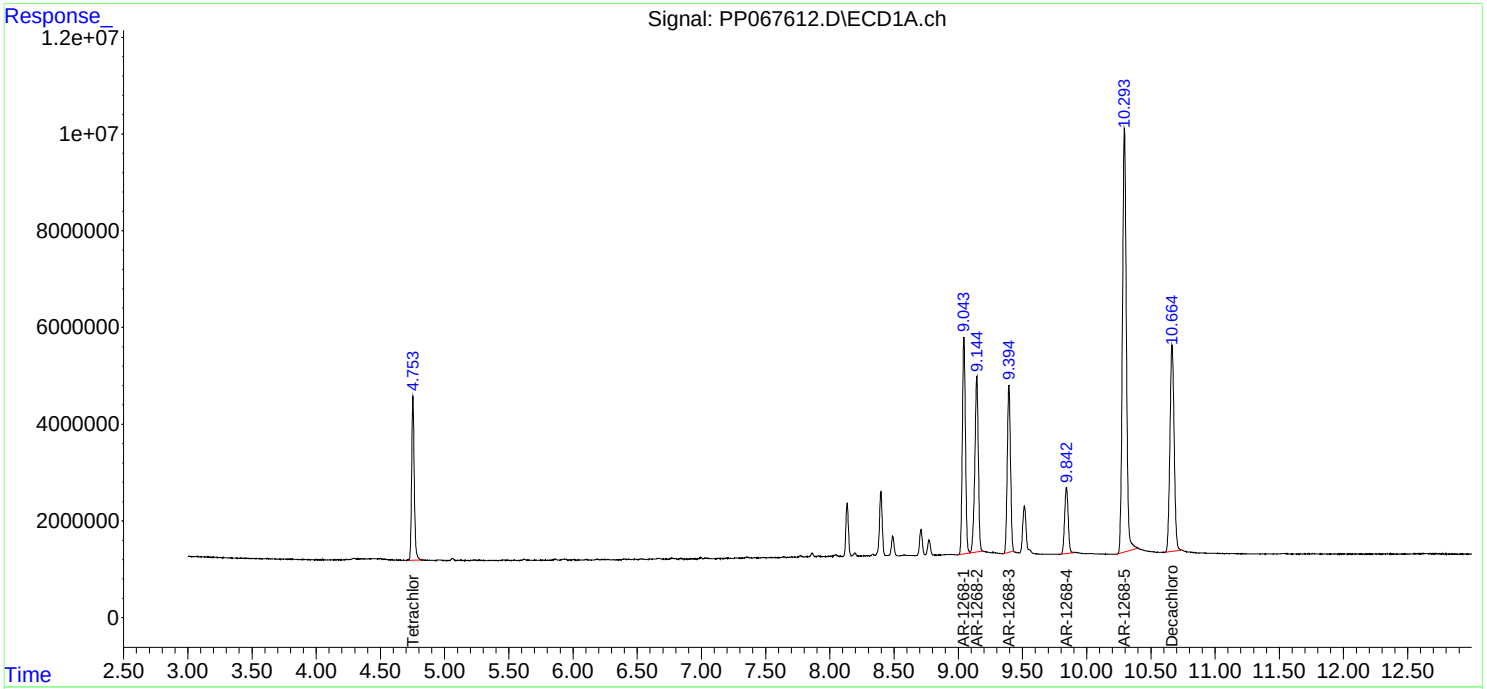
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

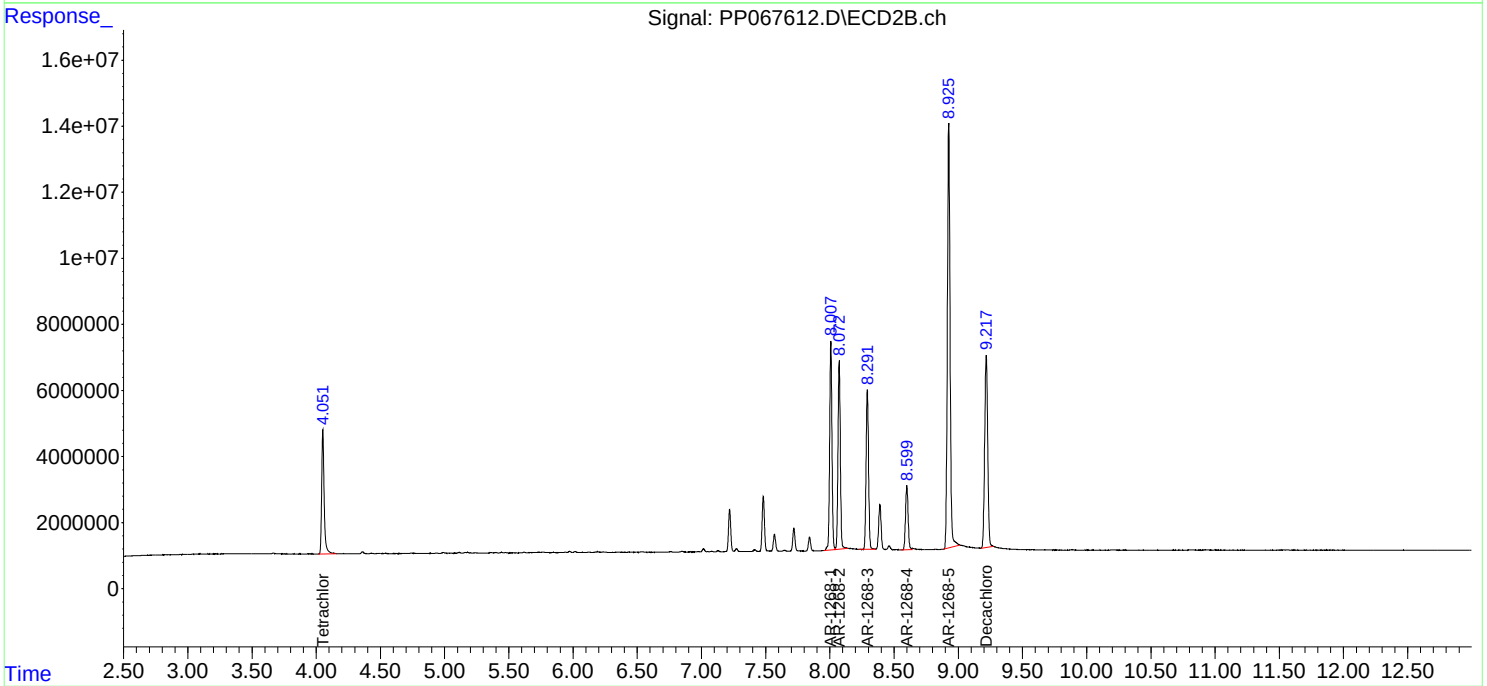
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:30
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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... | 4.753 | 4.050 | 24666919 | 26616902 | 25.811 | 26.430 |
| 2) | SA Decachlor... | 10.666 | 9.216 | 52348103 | 51189487 | 26.805 | 27.089 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.042 | 8.006 | 40679699 | 42019978 | 269.849m | 265.790m |
| 42) | L9 AR-1268-2 | 9.144 | 8.071 | 36435946 | 37805506 | 266.779 | 265.258 |
| 43) | L9 AR-1268-3 | 9.394 | 8.290 | 32633567 | 33939255 | 272.776 | 268.258 |
| 44) | L9 AR-1268-4 | 9.841 | 8.598 | 13910268 | 15250650 | 263.851 | 278.311 |
| 45) | L9 AR-1268-5 | 10.293 | 8.924 | 97405753 | 97904672 | 261.724 | 261.345 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:30
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

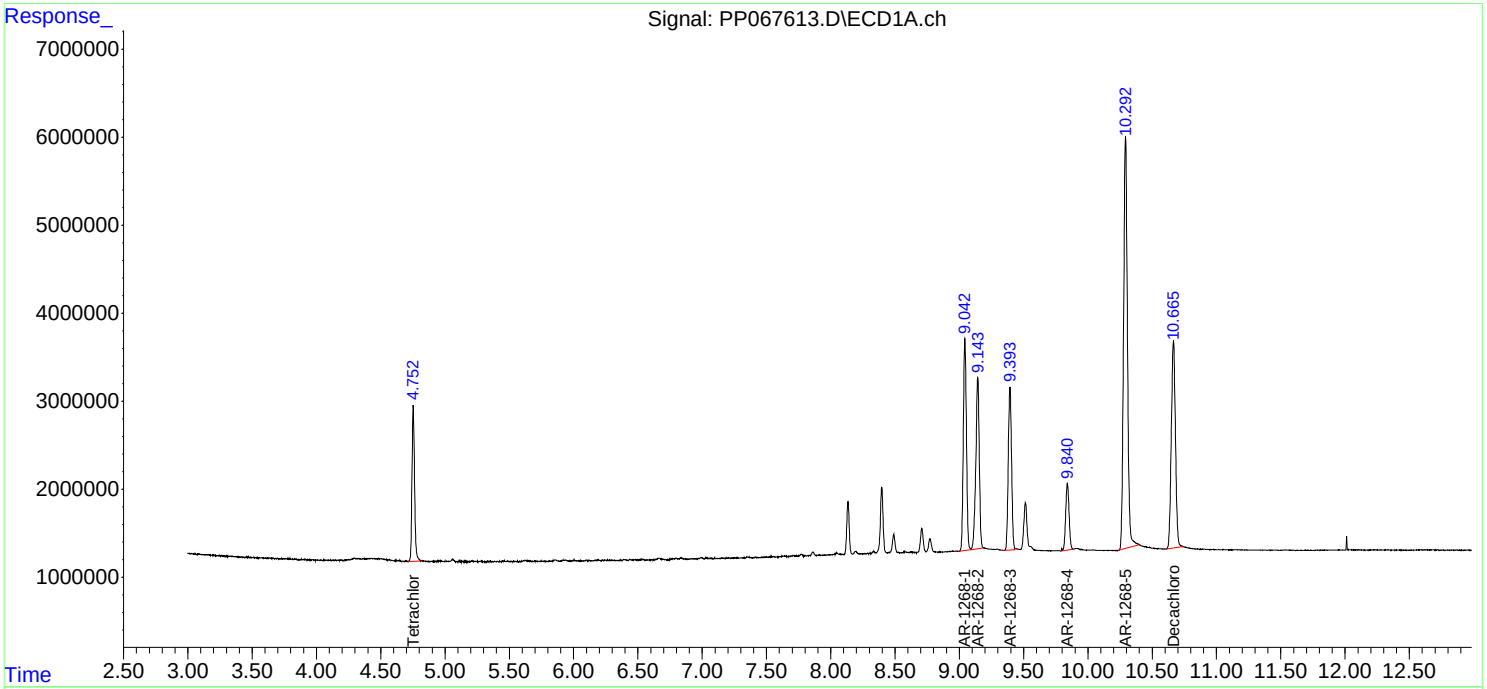
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

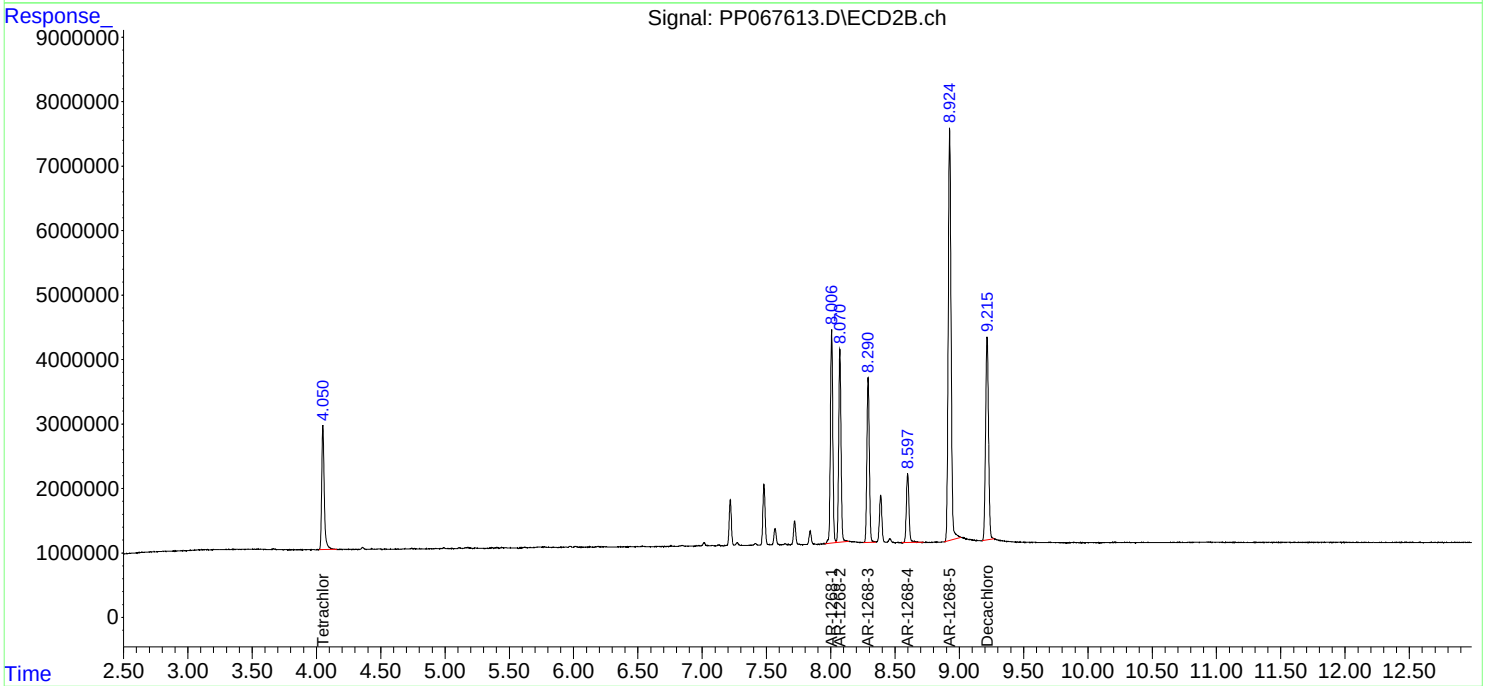
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:46
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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... | 4.754 | 4.052 | 4444051 | 4895264 | 4.650 | 4.861 |
| 2) | SA Decachlor... | 10.666 | 9.216 | 10815395 | 10765076 | 5.538 | 5.697 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.043 | 8.008 | 8277031 | 8538939 | 54.906m | 54.012m |
| 42) | L9 AR-1268-2 | 9.143 | 8.072 | 7244406 | 7593126 | 53.043 | 53.276 |
| 43) | L9 AR-1268-3 | 9.395 | 8.292 | 6350522 | 6820279 | 53.082 | 53.908 |
| 44) | L9 AR-1268-4 | 9.842 | 8.599 | 2389235 | 3033576 | 45.319 | 55.360 |
| 45) | L9 AR-1268-5 | 10.293 | 8.926 | 20024327 | 20008093 | 53.804 | 53.409 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:46
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

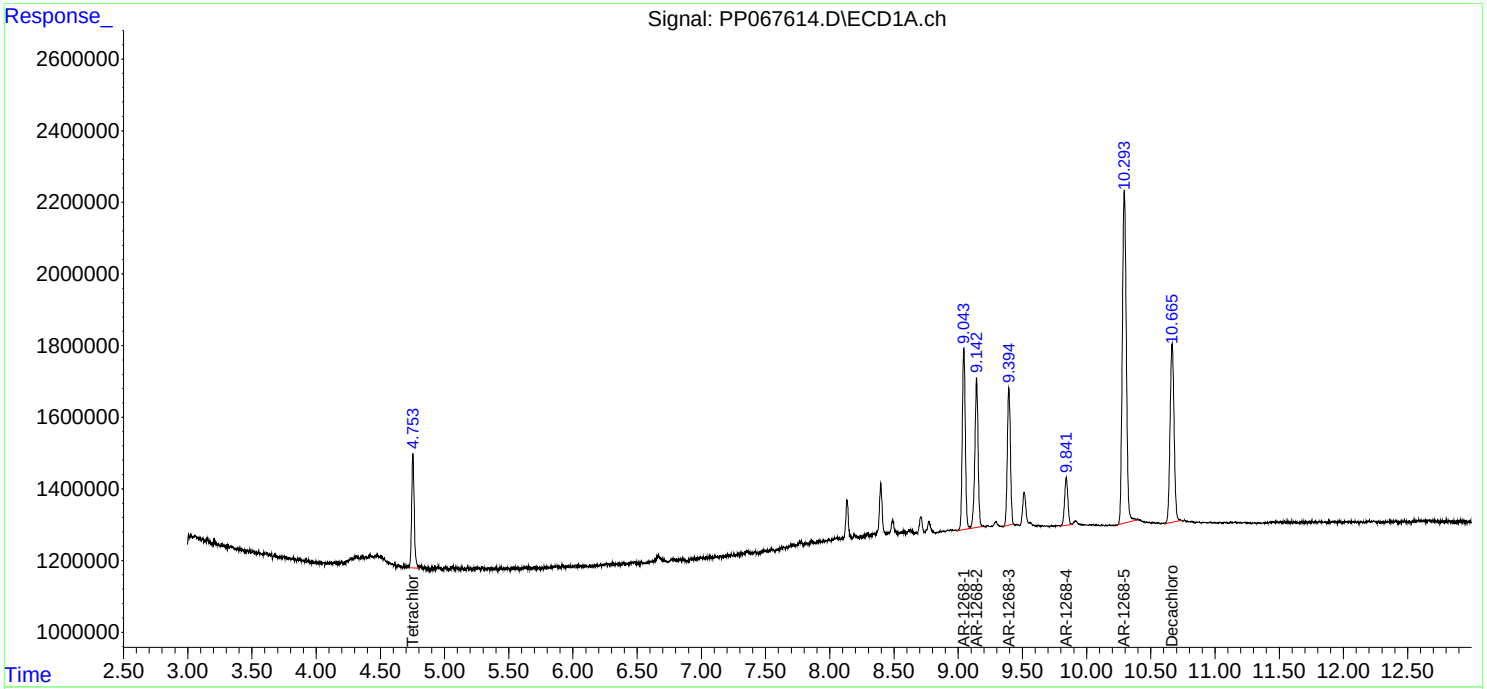
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

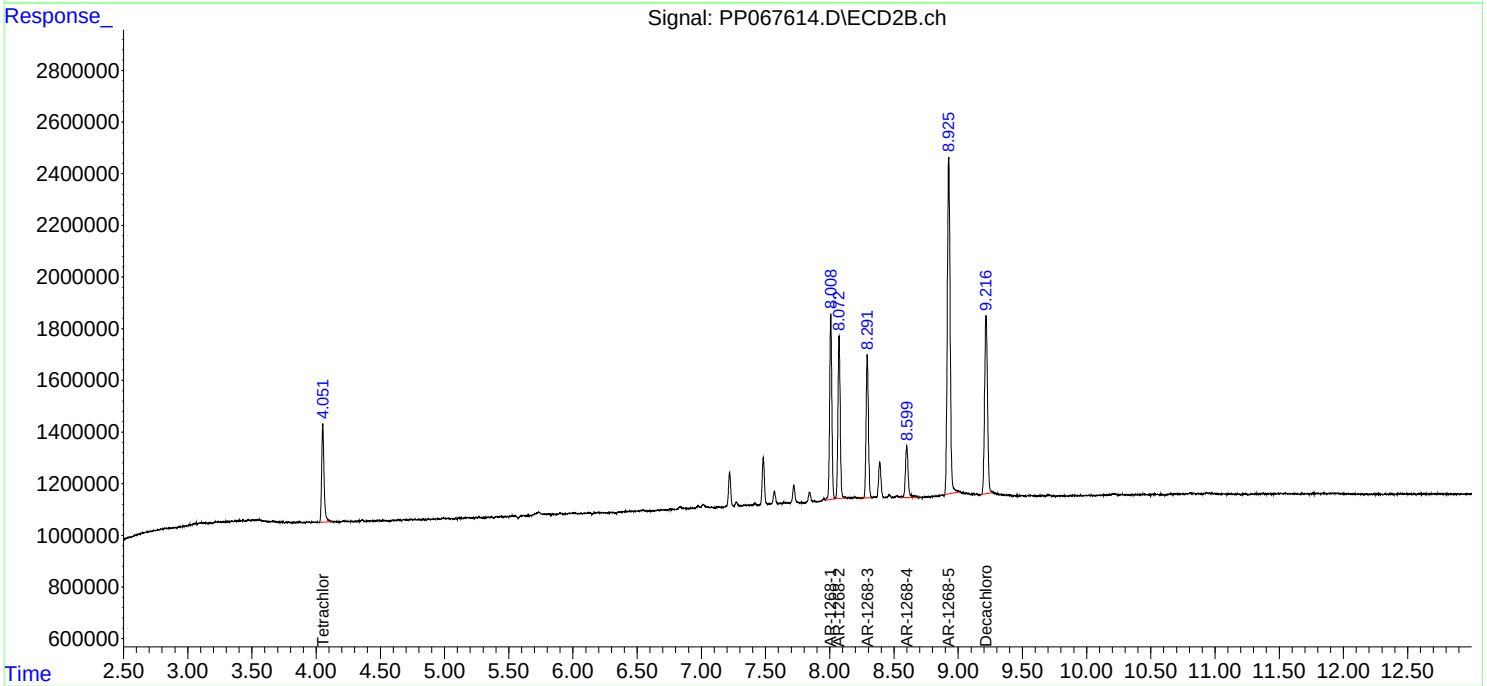
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:02
Operator : YP\AJ
Sample : PP100824ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 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... | 4.754 | 4.052 | 47818896 | 51563992 | 51.660 | 51.033 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 58541510 | 56291764 | 50.848 | 50.195 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.917 | 5.160 | 17263145 | 17512226 | 522.071 | 500.532 |
| 4) | L1 AR-1016-2 | 5.940 | 5.180 | 24637155 | 24097092 | 505.161 | 500.266 |
| 5) | L1 AR-1016-3 | 6.003 | 5.360 | 16248093 | 13652900 | 515.617 | 506.836 |
| 6) | L1 AR-1016-4 | 6.102 | 5.400 | 12907015 | 12153746 | 501.367 | 504.617 |
| 7) | L1 AR-1016-5 | 6.396 | 5.619 | 13858394 | 15642712 | 512.005 | 514.396 |
| 31) | L7 AR-1260-1 | 7.519 | 6.663 | 27268126 | 28191941 | 504.744 | 494.926 |
| 32) | L7 AR-1260-2 | 7.773 | 6.849 | 31860763 | 33140895 | 503.562 | 496.832 |
| 33) | L7 AR-1260-3 | 8.133 | 7.007 | 26673983 | 31543437 | 514.457 | 495.179 |
| 34) | L7 AR-1260-4 | 8.372 | 7.482 | 30787260 | 27615536 | 511.464 | 499.442 |
| 35) | L7 AR-1260-5 | 8.710 | 7.720 | 54874539 | 60890572 | 509.456 | 497.885 |

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

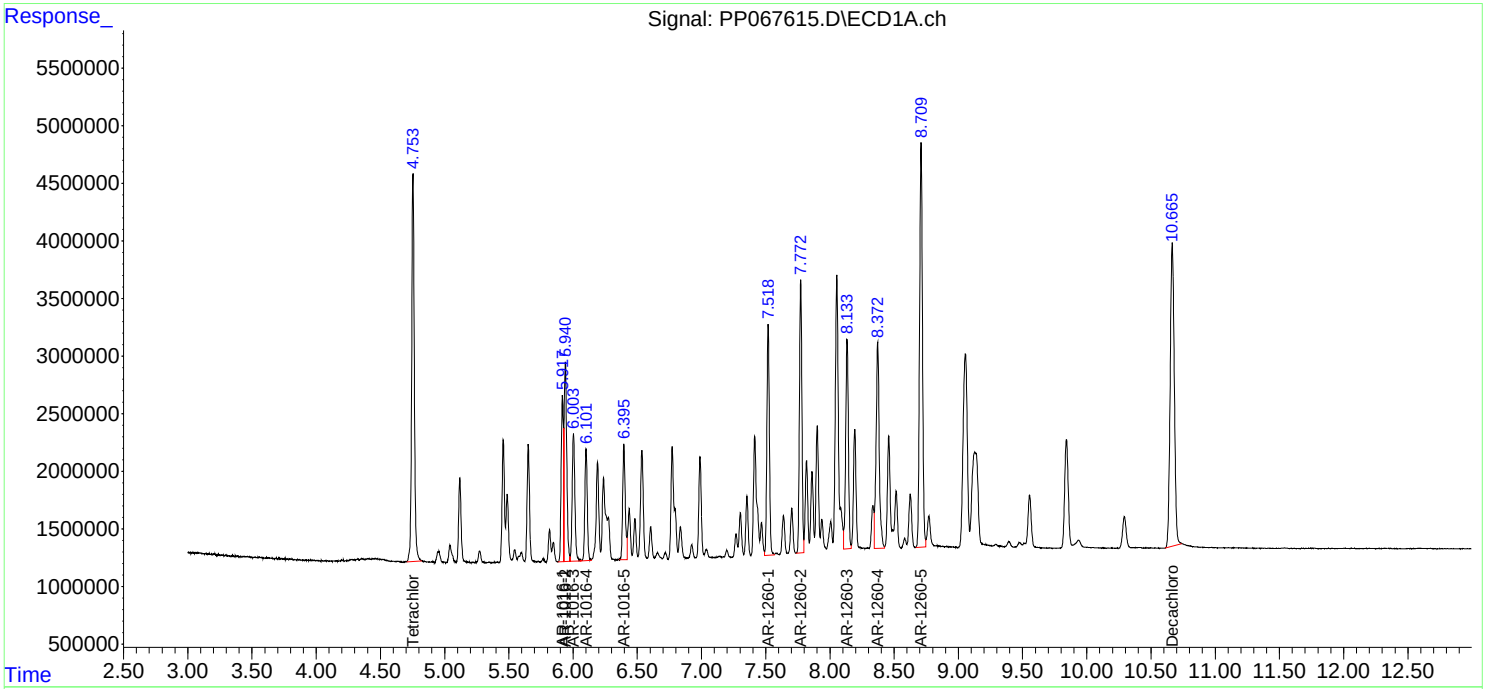
ICAL Form

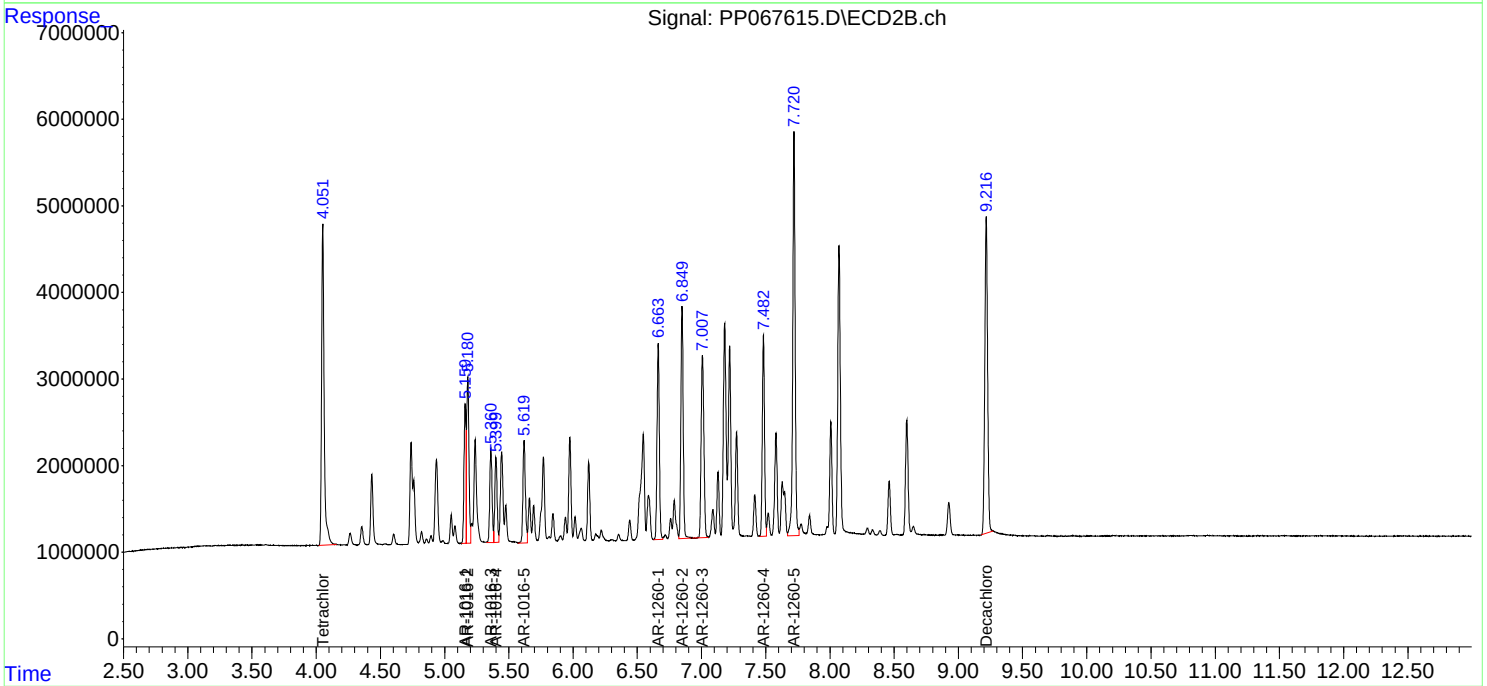
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:02
Operator : YP\AJ
Sample : PP100824ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:18
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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... | 4.753 | 4.052 | 48650594 | 52375624 | 51.902 | 51.231 |
| 2) | SA Decachlor... | 10.665 | 9.218 | 59346654 | 57254165 | 51.037 | 50.352 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.917 | 5.160 | 14462482 | 15978995 | 517.679 | 549.552m |
| 17) | L4 AR-1242-2 | 5.939 | 5.180 | 20778833 | 19616005 | 511.357 | 488.596m |
| 18) | L4 AR-1242-3 | 6.003 | 5.361 | 13537133 | 11580619 | 502.031 | 514.808 |
| 19) | L4 AR-1242-4 | 6.101 | 5.444 | 10883652 | 12214914 | 507.385 | 514.579 |
| 20) | L4 AR-1242-5 | 6.835 | 5.974 | 12246250 | 14434941 | 507.598 | 503.845 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:18
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

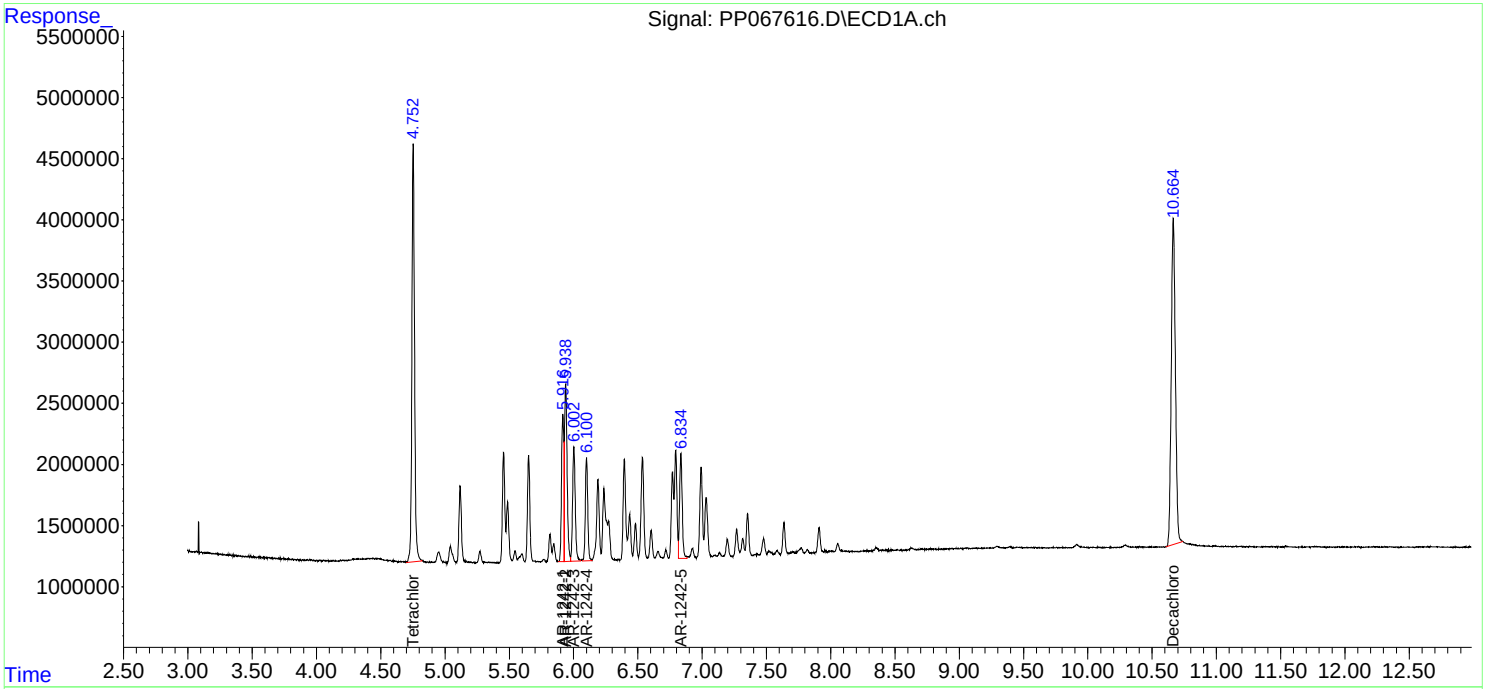
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

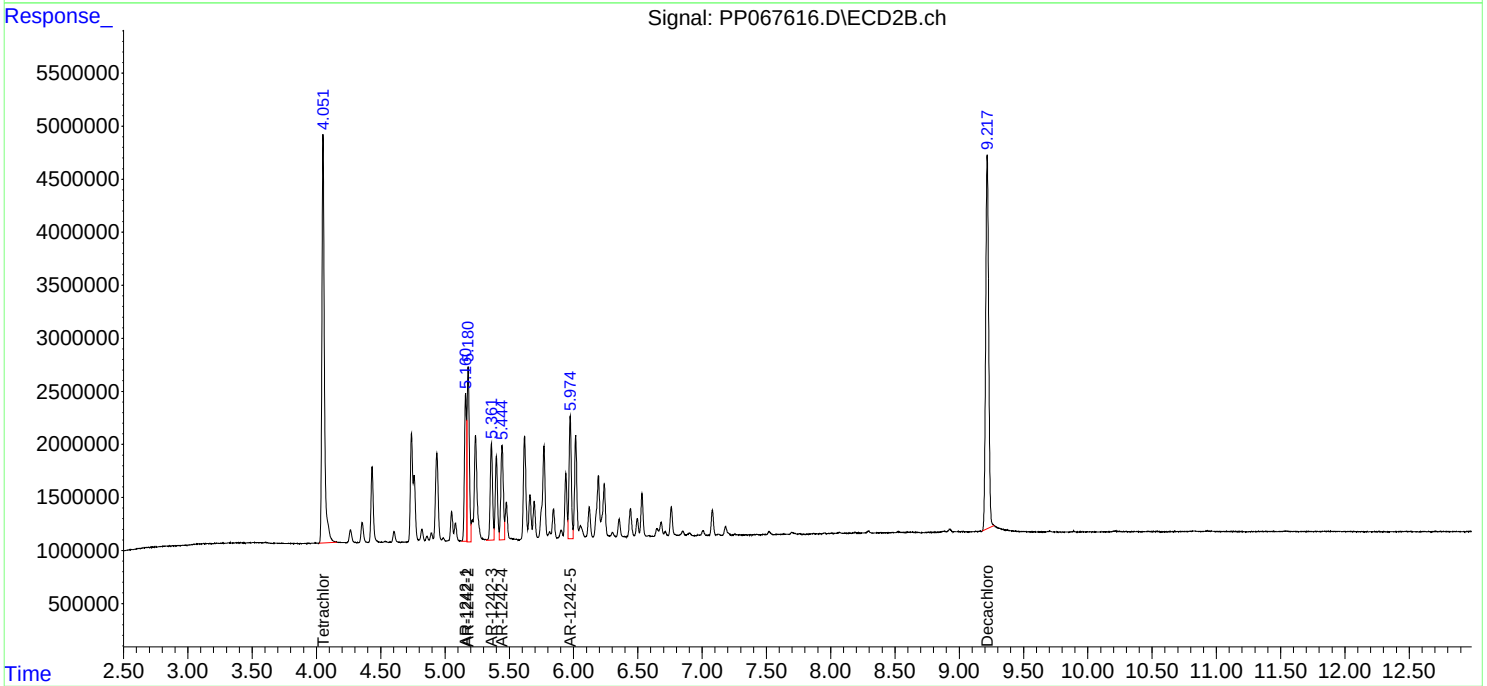
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:34
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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... | 4.753 | 4.052 | 47929126 | 51603157 | 51.315 | 51.526 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 59204707 | 57893421 | 50.009 | 50.840 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 11359469 | 11663900 | 530.249 | 514.649 |
| 22) | L5 AR-1248-2 | 6.190 | 5.400 | 17221900 | 16975707 | 512.302 | 512.926 |
| 23) | L5 AR-1248-3 | 6.396 | 5.444 | 18903781 | 17763189 | 516.138 | 515.254 |
| 24) | L5 AR-1248-4 | 6.796 | 5.619 | 20803279 | 20588412 | 514.287 | 502.697 |
| 25) | L5 AR-1248-5 | 6.835 | 6.017 | 20466751 | 18878098 | 516.042 | 504.180 |

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

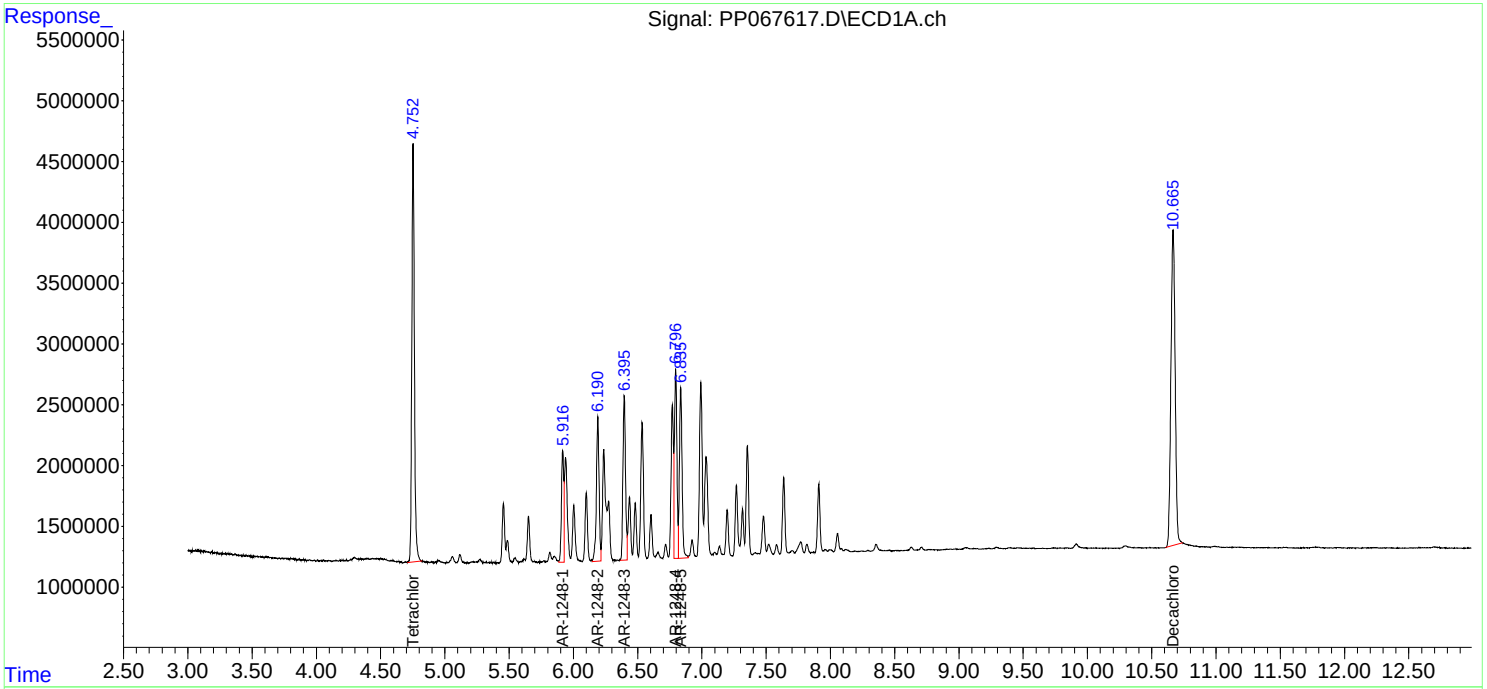
ICAL Form

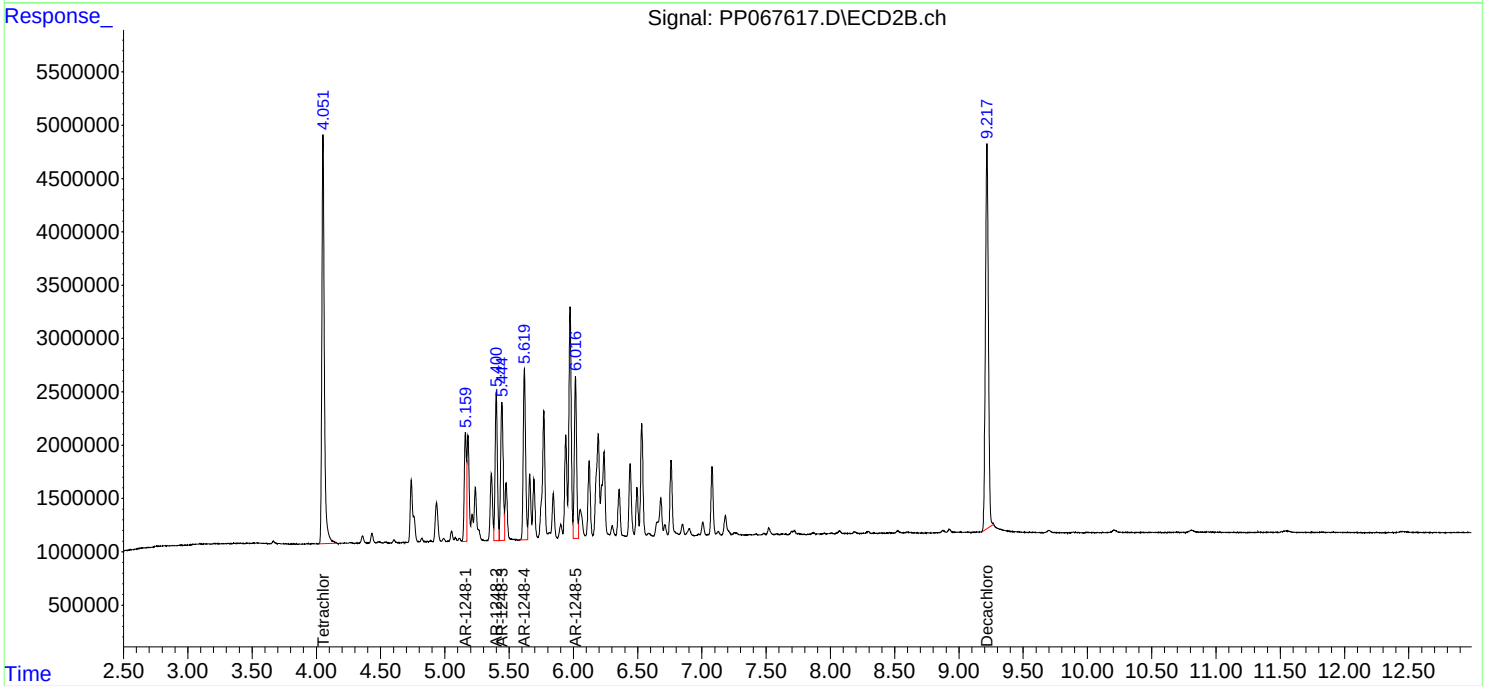
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:34
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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... | 4.756 | 4.051 | 48530224 | 52089649 | 51.723 | 51.478 |
| 2) | SA Decachlor... | 10.668 | 9.217 | 60024597 | 58780254 | 50.717 | 50.845 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.775 | 5.975 | 22815828 | 29677404 | 509.481 | 502.293 |
| 27) | L6 AR-1254-2 | 6.991 | 6.123 | 33399032 | 26325396 | 505.298 | 501.778 |
| 28) | L6 AR-1254-3 | 7.357 | 6.532 | 34711516 | 42198184 | 499.786 | 507.141 |
| 29) | L6 AR-1254-4 | 7.639 | 6.760 | 25405512 | 24704816 | 509.082 | 511.760m |
| 30) | L6 AR-1254-5 | 8.057 | 7.182 | 29963770 | 37426268 | 505.560m | 508.846 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

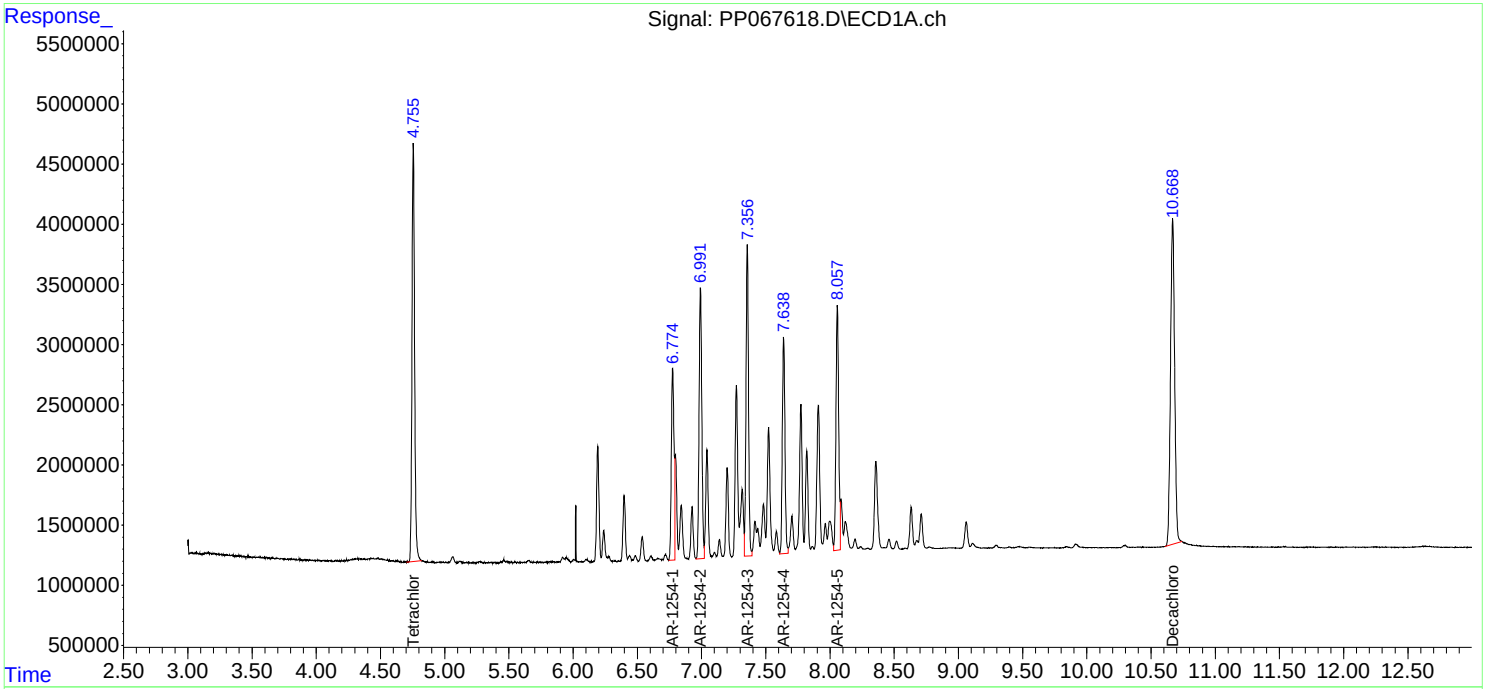
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

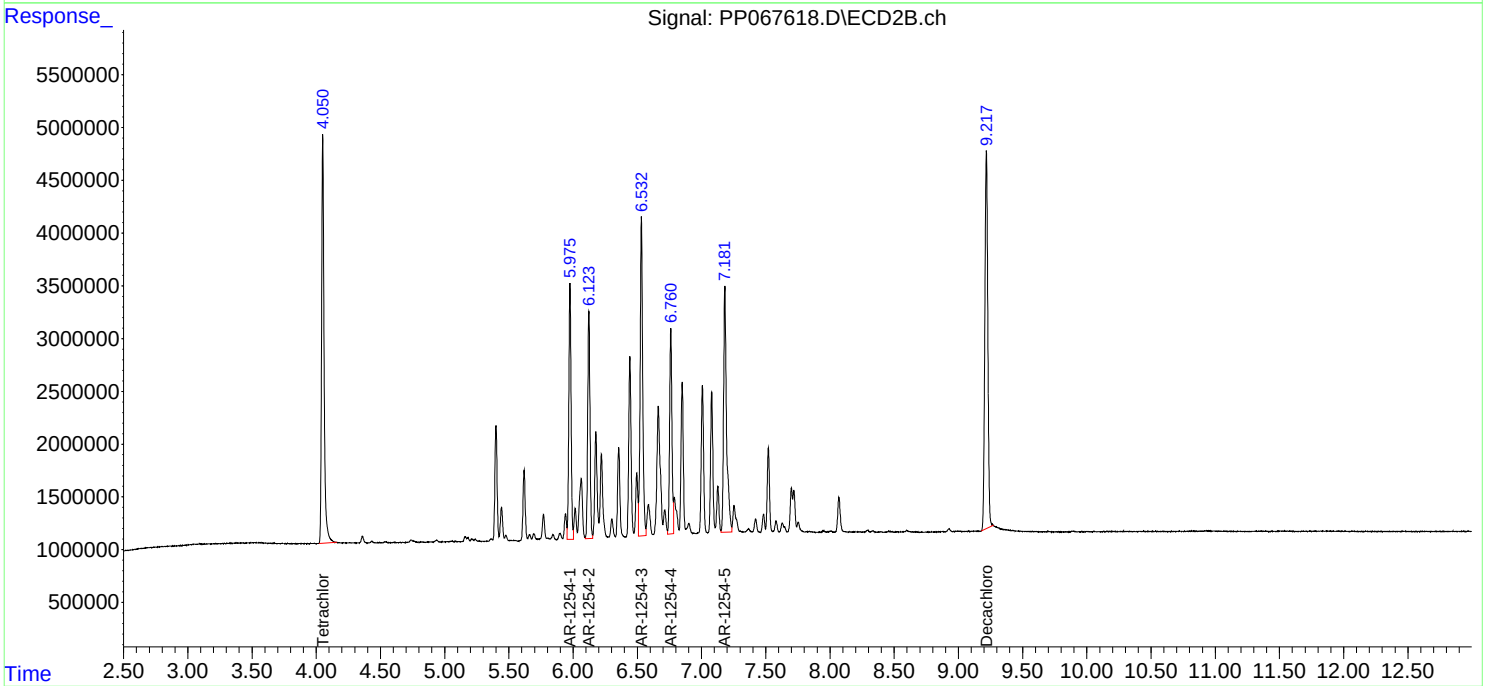
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 01:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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... | 4.754 | 4.051 | 48621846 | 52026024 | 52.144 | 51.900 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 98383292 | 95455146 | 50.217 | 49.469 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.044 | 8.007 | 76733240 | 79237054 | 502.842m | 497.855m |
| 42) | L9 AR-1268-2 | 9.145 | 8.072 | 69182573 | 71394410 | 506.478 | 498.613 |
| 43) | L9 AR-1268-3 | 9.396 | 8.292 | 60515330 | 63729520 | 500.466 | 499.802 |
| 44) | L9 AR-1268-4 | 9.842 | 8.598 | 26421113 | 28346402 | 519.897 | 501.919 |
| 45) | L9 AR-1268-5 | 10.294 | 8.926 | 188.0E6 | 188.8E6 | 503.342 | 499.468 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 01:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

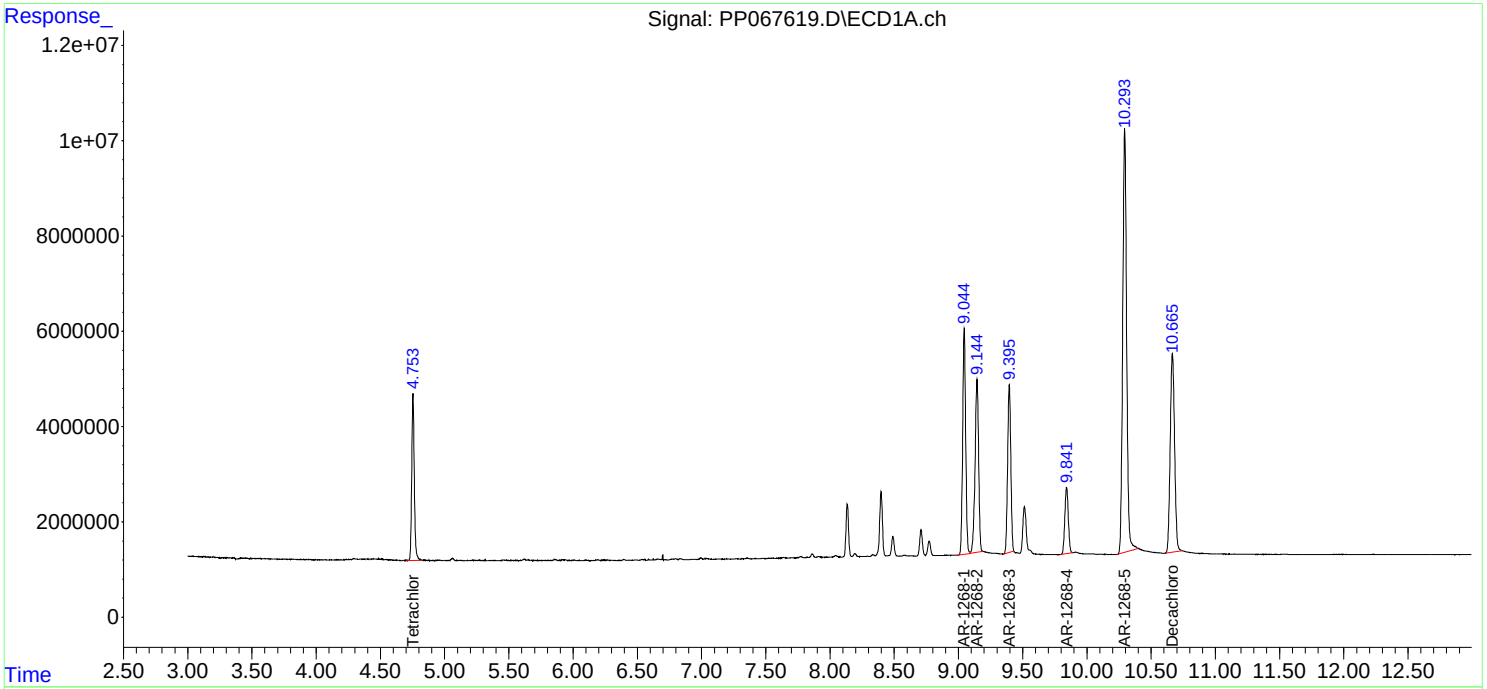
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

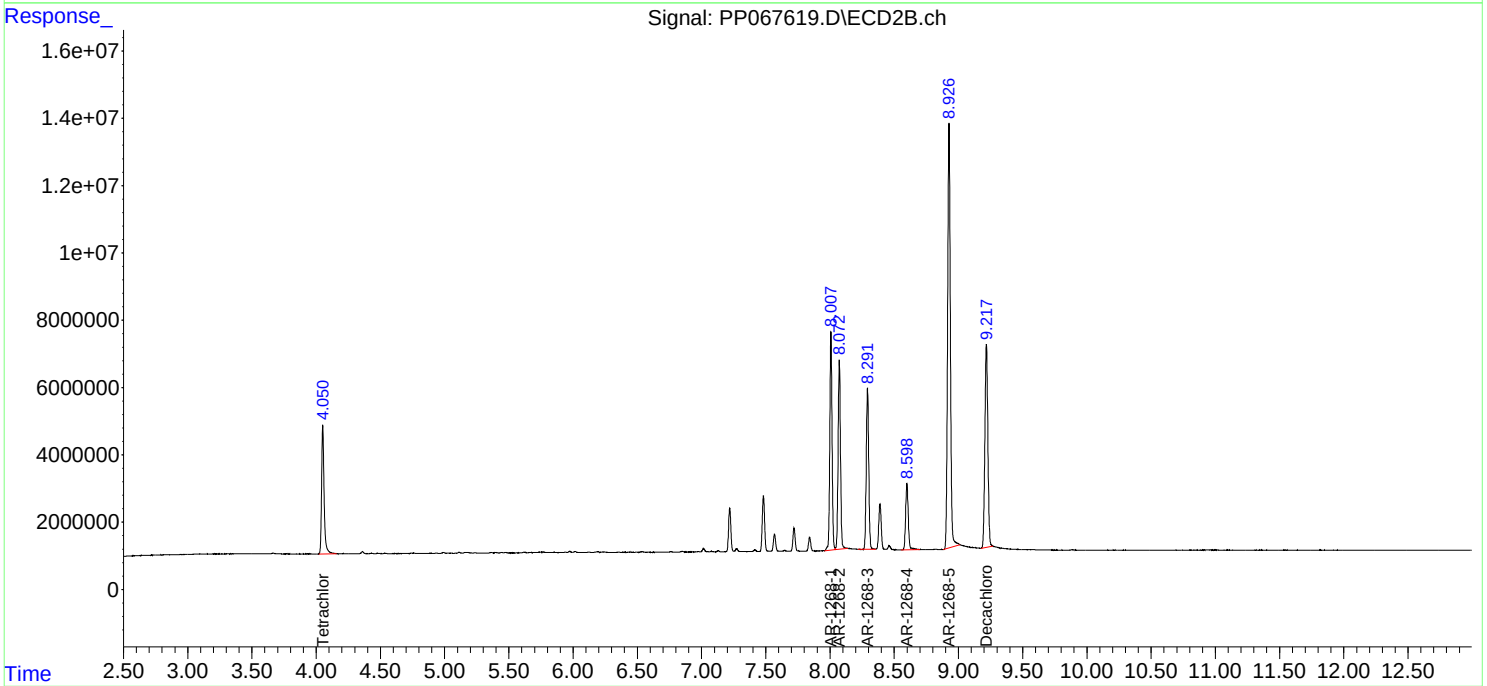
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 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



Raw Data: **PO107435.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 16:10 **Initial Calibration Time(s):** 18:27 02:36

**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) | 5.52 | 5.52 | 5.42 | 5.62 | 0.00 |
| Aroclor-1016-2 | (2) | 5.54 | 5.55 | 5.45 | 5.65 | 0.01 |
| Aroclor-1016-3 | (3) | 5.60 | 5.61 | 5.51 | 5.71 | 0.01 |
| Aroclor-1016-4 | (4) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-5 | (5) | 6.00 | 6.00 | 5.90 | 6.10 | 0.00 |
| Aroclor-1260-1 | (1) | 7.12 | 7.13 | 7.03 | 7.23 | 0.01 |
| Aroclor-1260-2 | (2) | 7.38 | 7.38 | 7.28 | 7.48 | 0.00 |
| Aroclor-1260-3 | (3) | 7.74 | 7.74 | 7.64 | 7.84 | 0.00 |
| Aroclor-1260-4 | (4) | 7.97 | 7.97 | 7.87 | 8.07 | 0.00 |
| Aroclor-1260-5 | (5) | 8.28 | 8.28 | 8.18 | 8.38 | 0.00 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 9.96 | 10.16 | 0.00 |

Raw Data: **PO107435.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 16:10 **Initial Calibration Time(s):** 18:27 02:36

**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) | 4.72 | 4.73 | 4.63 | 4.83 | 0.01 |
| Aroclor-1016-2 | (2) | 4.74 | 4.75 | 4.65 | 4.85 | 0.01 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-5 | (5) | 5.17 | 5.18 | 5.08 | 5.28 | 0.01 |
| Aroclor-1260-1 | (1) | 6.20 | 6.21 | 6.11 | 6.31 | 0.01 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.29 | 6.49 | 0.00 |
| Aroclor-1260-3 | (3) | 6.54 | 6.55 | 6.45 | 6.65 | 0.01 |
| Aroclor-1260-4 | (4) | 7.01 | 7.02 | 6.92 | 7.12 | 0.01 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.16 | 7.36 | 0.00 |
| Tetrachloro-m-xylene | | 3.64 | 3.65 | 3.55 | 3.75 | 0.01 |
| Decachlorobiphenyl | | 8.63 | 8.64 | 8.54 | 8.74 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/28/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107435.D **Time Analyzed:** 16:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.519 | 5.423 | 5.623 | 480.930 | 500.000 | -3.8 |
| Aroclor-1016-2 | 5.542 | 5.445 | 5.645 | 469.040 | 500.000 | -6.2 |
| Aroclor-1016-3 | 5.604 | 5.507 | 5.707 | 469.220 | 500.000 | -6.2 |
| Aroclor-1016-4 | 5.701 | 5.604 | 5.804 | 488.600 | 500.000 | -2.3 |
| Aroclor-1016-5 | 5.996 | 5.899 | 6.099 | 484.120 | 500.000 | -3.2 |
| Aroclor-1260-1 | 7.123 | 7.026 | 7.226 | 459.280 | 500.000 | -8.1 |
| Aroclor-1260-2 | 7.379 | 7.282 | 7.482 | 476.130 | 500.000 | -4.8 |
| Aroclor-1260-3 | 7.741 | 7.643 | 7.843 | 470.430 | 500.000 | -5.9 |
| Aroclor-1260-4 | 7.965 | 7.868 | 8.068 | 465.450 | 500.000 | -6.9 |
| Aroclor-1260-5 | 8.277 | 8.181 | 8.381 | 480.940 | 500.000 | -3.8 |
| Decachlorobiphenyl | 10.055 | 9.958 | 10.158 | 47.620 | 50.000 | -4.8 |
| Tetrachloro-m-xylene | 4.371 | 4.274 | 4.474 | 47.610 | 50.000 | -4.8 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/28/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107435.D **Time Analyzed:** 16:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.724 | 4.626 | 4.826 | 523.860 | 500.000 | 4.8 |
| Aroclor-1016-2 | 4.743 | 4.645 | 4.845 | 530.430 | 500.000 | 6.1 |
| Aroclor-1016-3 | 4.919 | 4.821 | 5.021 | 508.190 | 500.000 | 1.6 |
| Aroclor-1016-4 | 4.960 | 4.862 | 5.062 | 491.260 | 500.000 | -1.7 |
| Aroclor-1016-5 | 5.173 | 5.076 | 5.276 | 531.290 | 500.000 | 6.3 |
| Aroclor-1260-1 | 6.204 | 6.107 | 6.307 | 493.890 | 500.000 | -1.2 |
| Aroclor-1260-2 | 6.390 | 6.294 | 6.494 | 525.730 | 500.000 | 5.1 |
| Aroclor-1260-3 | 6.544 | 6.448 | 6.648 | 507.540 | 500.000 | 1.5 |
| Aroclor-1260-4 | 7.014 | 6.918 | 7.118 | 492.640 | 500.000 | -1.5 |
| Aroclor-1260-5 | 7.255 | 7.159 | 7.359 | 527.570 | 500.000 | 5.5 |
| Decachlorobiphenyl | 8.634 | 8.539 | 8.739 | 48.670 | 50.000 | -2.7 |
| Tetrachloro-m-xylene | 3.643 | 3.545 | 3.745 | 51.710 | 50.000 | 3.4 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.643 | 434.0E6 | 166.4E6 | 47.615 | 51.709 |
| 2) | SA Decachlor... | 10.055 | 8.634 | 116.8E6 | 133.4E6 | 47.620 | 48.670 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.519 | 4.724 | 129.8E6 | 54096790 | 480.930 | 523.860 |
| 4) | L1 AR-1016-2 | 5.542 | 4.743 | 186.2E6 | 74773720 | 469.040 | 530.431 |
| 5) | L1 AR-1016-3 | 5.604 | 4.919 | 117.9E6 | 40017638 | 469.218 | 508.189 |
| 6) | L1 AR-1016-4 | 5.701 | 4.960 | 94109529 | 32476524 | 488.597 | 491.262 |
| 7) | L1 AR-1016-5 | 5.996 | 5.173 | 88426602 | 43636786 | 484.122 | 531.289m |
| 31) | L7 AR-1260-1 | 7.123 | 6.204 | 118.8E6 | 76628986 | 459.277 | 493.888 |
| 32) | L7 AR-1260-2 | 7.379 | 6.390 | 125.3E6 | 92588971 | 476.132 | 525.728 |
| 33) | L7 AR-1260-3 | 7.741 | 6.544 | 84558116 | 85138903 | 470.433 | 507.540 |
| 34) | L7 AR-1260-4 | 7.965 | 7.014 | 81688411 | 71275922 | 465.451 | 492.643 |
| 35) | L7 AR-1260-5 | 8.277 | 7.255 | 136.8E6 | 173.8E6 | 480.940 | 527.570 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

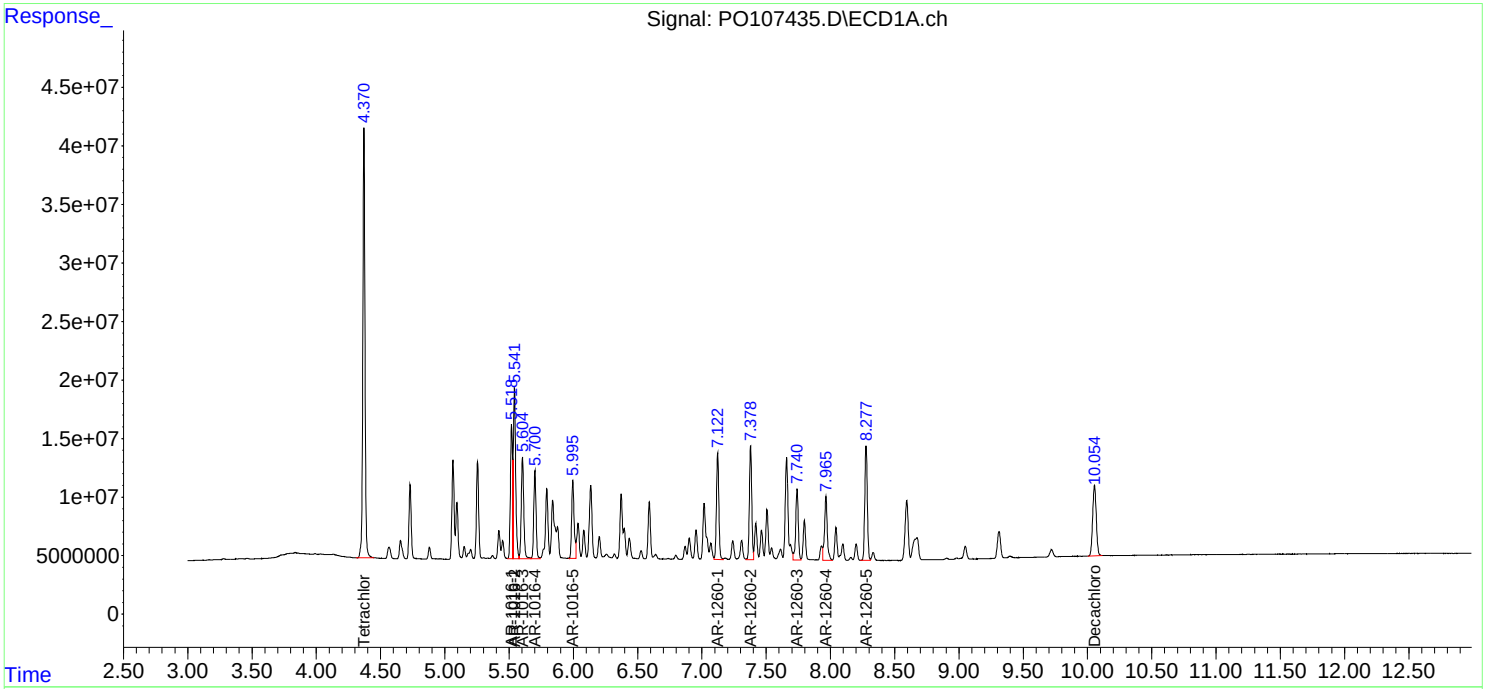
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

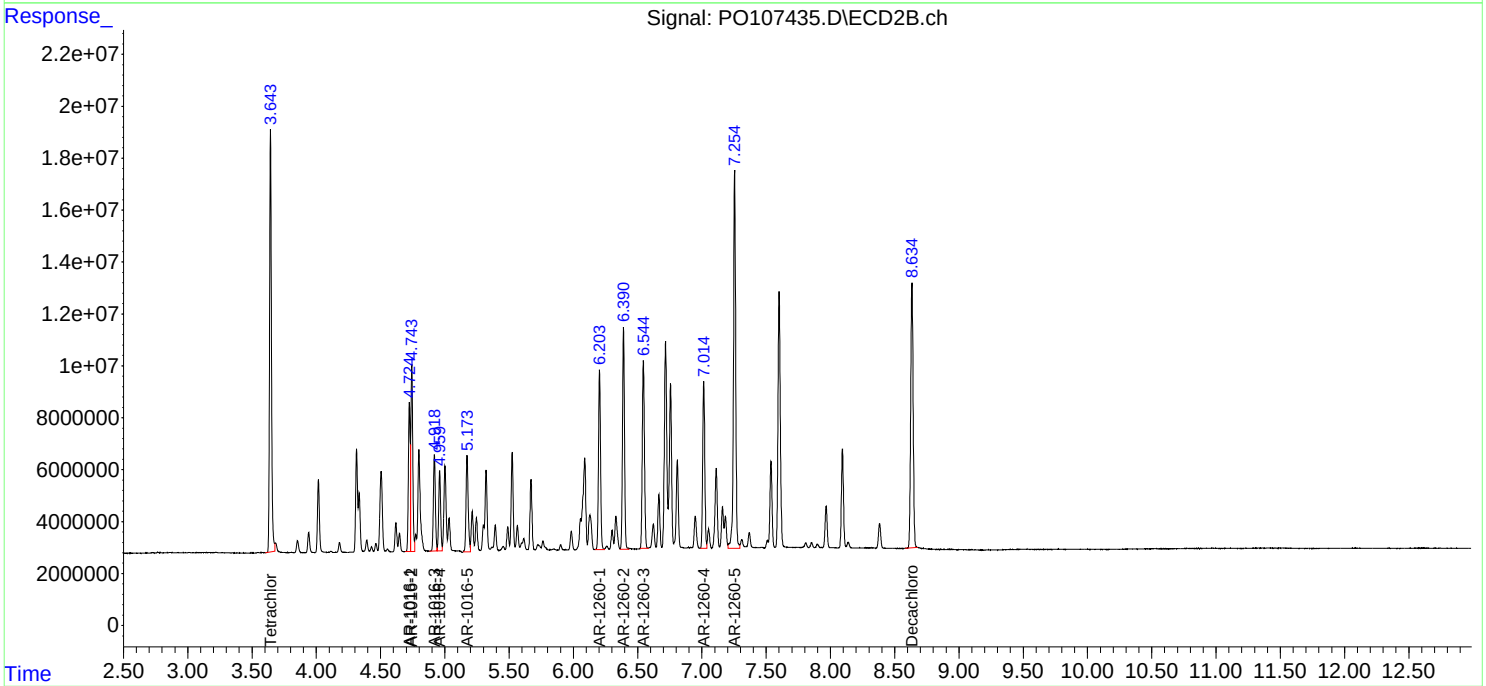
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



Raw Data: **PO107451.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 21:27 **Initial Calibration Time(s):** 18:27 02:36

**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) | 5.52 | 5.52 | 5.42 | 5.62 | 0.00 |
| Aroclor-1016-2 | (2) | 5.54 | 5.55 | 5.45 | 5.65 | 0.01 |
| Aroclor-1016-3 | (3) | 5.61 | 5.61 | 5.51 | 5.71 | 0.00 |
| Aroclor-1016-4 | (4) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-5 | (5) | 6.00 | 6.00 | 5.90 | 6.10 | 0.01 |
| Aroclor-1260-1 | (1) | 7.12 | 7.13 | 7.03 | 7.23 | 0.01 |
| Aroclor-1260-2 | (2) | 7.38 | 7.38 | 7.28 | 7.48 | 0.00 |
| Aroclor-1260-3 | (3) | 7.74 | 7.74 | 7.64 | 7.84 | 0.00 |
| Aroclor-1260-4 | (4) | 7.96 | 7.97 | 7.87 | 8.07 | 0.01 |
| Aroclor-1260-5 | (5) | 8.28 | 8.28 | 8.18 | 8.38 | 0.00 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 9.96 | 10.16 | 0.00 |

Raw Data: **PO107451.D**

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 21:27 **Initial Calibration Time(s):** 18:27 02:36

**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) | 4.73 | 4.73 | 4.63 | 4.83 | 0.01 |
| Aroclor-1016-2 | (2) | 4.74 | 4.75 | 4.65 | 4.85 | 0.01 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-5 | (5) | 5.17 | 5.18 | 5.08 | 5.28 | 0.01 |
| Aroclor-1260-1 | (1) | 6.20 | 6.21 | 6.11 | 6.31 | 0.01 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.29 | 6.49 | 0.00 |
| Aroclor-1260-3 | (3) | 6.54 | 6.55 | 6.45 | 6.65 | 0.01 |
| Aroclor-1260-4 | (4) | 7.01 | 7.02 | 6.92 | 7.12 | 0.01 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.16 | 7.36 | 0.00 |
| Tetrachloro-m-xylene | | 3.64 | 3.65 | 3.55 | 3.75 | 0.01 |
| Decachlorobiphenyl | | 8.63 | 8.64 | 8.54 | 8.74 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/28/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107451.D **Time Analyzed:** 21:27

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.519 | 5.423 | 5.623 | 419.080 | 500.000 | -16.2 |
| Aroclor-1016-2 | 5.542 | 5.445 | 5.645 | 408.530 | 500.000 | -18.3 |
| Aroclor-1016-3 | 5.605 | 5.507 | 5.707 | 396.930 | 500.000 | -20.6 |
| Aroclor-1016-4 | 5.701 | 5.604 | 5.804 | 414.160 | 500.000 | -17.2 |
| Aroclor-1016-5 | 5.995 | 5.899 | 6.099 | 444.570 | 500.000 | -11.1 |
| Aroclor-1260-1 | 7.122 | 7.026 | 7.226 | 416.700 | 500.000 | -16.7 |
| Aroclor-1260-2 | 7.379 | 7.282 | 7.482 | 413.910 | 500.000 | -17.2 |
| Aroclor-1260-3 | 7.741 | 7.643 | 7.843 | 409.630 | 500.000 | -18.1 |
| Aroclor-1260-4 | 7.964 | 7.868 | 8.068 | 421.520 | 500.000 | -15.7 |
| Aroclor-1260-5 | 8.278 | 8.181 | 8.381 | 434.130 | 500.000 | -13.2 |
| Decachlorobiphenyl | 10.055 | 9.958 | 10.158 | 44.130 | 50.000 | -11.7 |
| Tetrachloro-m-xylene | 4.371 | 4.274 | 4.474 | 49.810 | 50.000 | -0.4 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/28/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107451.D **Time Analyzed:** 21:27

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.725 | 4.626 | 4.826 | 532.630 | 500.000 | 6.5 |
| Aroclor-1016-2 | 4.744 | 4.645 | 4.845 | 543.130 | 500.000 | 8.6 |
| Aroclor-1016-3 | 4.919 | 4.821 | 5.021 | 518.800 | 500.000 | 3.8 |
| Aroclor-1016-4 | 4.961 | 4.862 | 5.062 | 498.430 | 500.000 | -0.3 |
| Aroclor-1016-5 | 5.174 | 5.076 | 5.276 | 521.590 | 500.000 | 4.3 |
| Aroclor-1260-1 | 6.204 | 6.107 | 6.307 | 468.750 | 500.000 | -6.3 |
| Aroclor-1260-2 | 6.391 | 6.294 | 6.494 | 491.530 | 500.000 | -1.7 |
| Aroclor-1260-3 | 6.544 | 6.448 | 6.648 | 461.820 | 500.000 | -7.6 |
| Aroclor-1260-4 | 7.014 | 6.918 | 7.118 | 430.720 | 500.000 | -13.9 |
| Aroclor-1260-5 | 7.256 | 7.159 | 7.359 | 448.970 | 500.000 | -10.2 |
| Decachlorobiphenyl | 8.634 | 8.539 | 8.739 | 39.290 | 50.000 | -21.4 |
| Tetrachloro-m-xylene | 3.644 | 3.545 | 3.745 | 52.350 | 50.000 | 4.7 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 21:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:50:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.644 | 454.0E6 | 168.5E6 | 49.810 | 52.348 | |
| 2) | SA Decachlor... | 10.055 | 8.634 | 108.3E6 | 107.7E6 | 44.131 | 39.293 | |
| | Target Compounds | | | | | | | |
| 3) | L1 AR-1016-1 | 5.519 | 4.725 | 113.1E6 | 55002399 | 419.081 | 532.630 | # |
| 4) | L1 AR-1016-2 | 5.542 | 4.744 | 162.1E6 | 76563474 | 408.530 | 543.128 | # |
| 5) | L1 AR-1016-3 | 5.605 | 4.919 | 99695991 | 40853126 | 396.927 | 518.799 | # |
| 6) | L1 AR-1016-4 | 5.701 | 4.961 | 79771928 | 32950329 | 414.159 | 498.429 | |
| 7) | L1 AR-1016-5 | 5.995 | 5.174 | 81202057 | 42840380 | 444.569 | 521.592 | |
| 31) | L7 AR-1260-1 | 7.122 | 6.204 | 107.8E6 | 72728523 | 416.703 | 468.749 | |
| 32) | L7 AR-1260-2 | 7.379 | 6.391 | 108.9E6 | 86566882 | 413.910 | 491.534 | |
| 33) | L7 AR-1260-3 | 7.741 | 6.544 | 73628112 | 77470255 | 409.625 | 461.825 | |
| 34) | L7 AR-1260-4 | 7.964 | 7.014 | 73978467 | 62316481 | 421.520 | 430.717 | |
| 35) | L7 AR-1260-5 | 8.278 | 7.256 | 123.5E6 | 147.9E6 | 434.126 | 448.966 | |

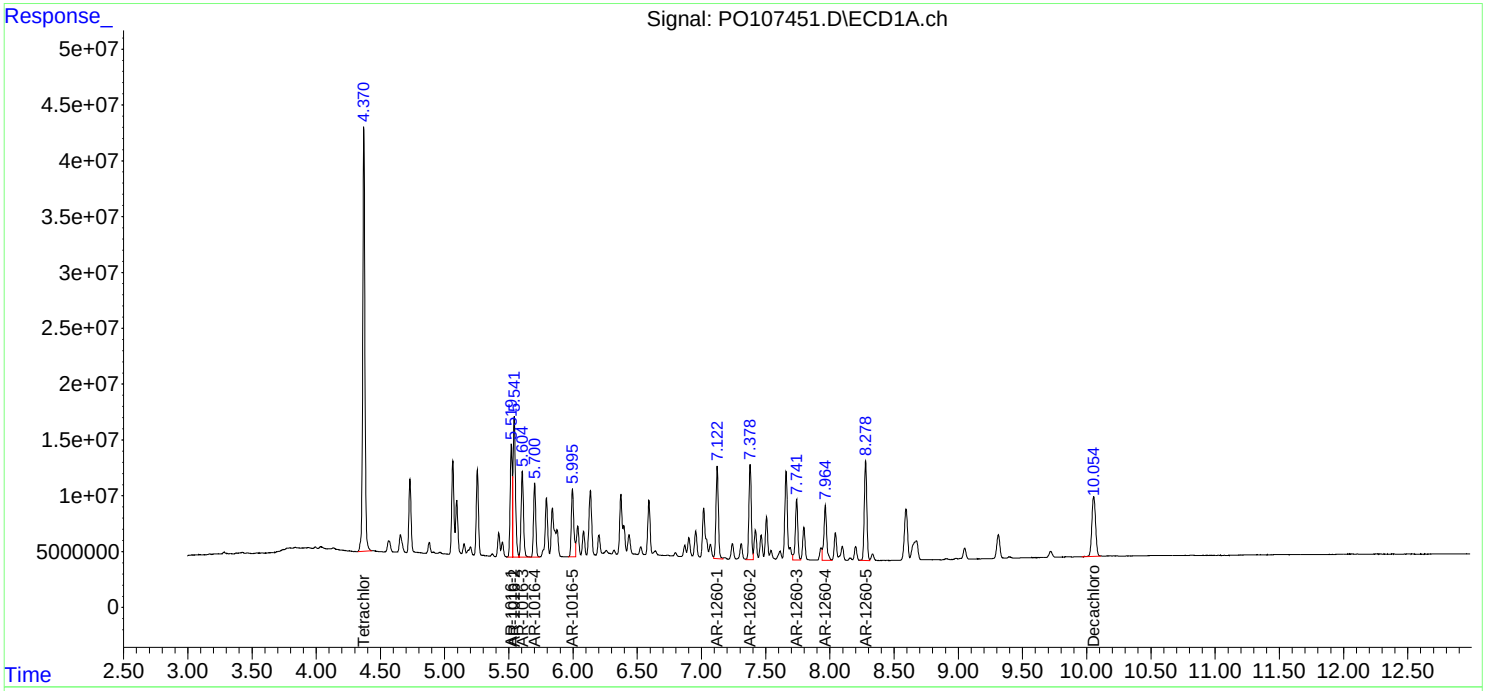
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

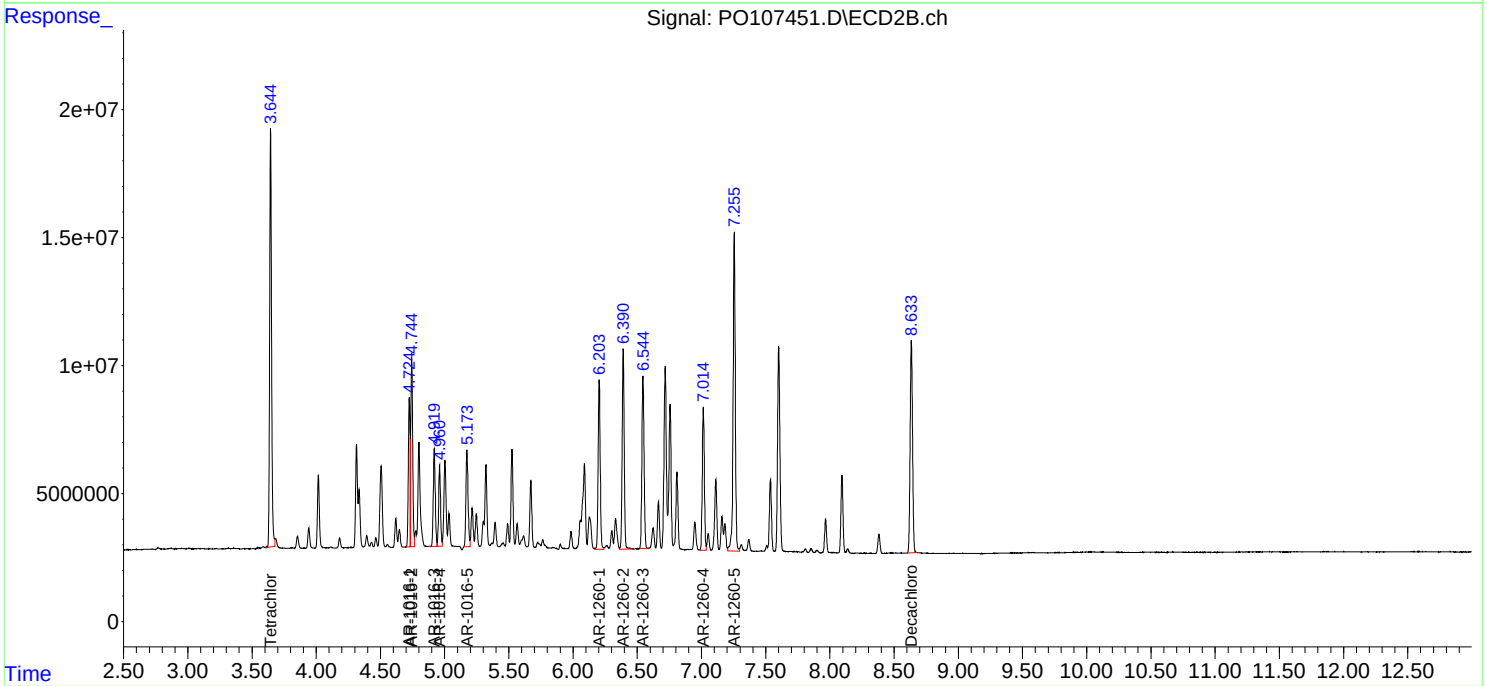
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 21:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:50:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



Raw Data: **PO107464.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/29/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 01:50 **Initial Calibration Time(s):** 18:27 02:36

**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) | 5.52 | 5.52 | 5.42 | 5.62 | 0.00 |
| Aroclor-1016-2 | (2) | 5.54 | 5.55 | 5.45 | 5.65 | 0.01 |
| Aroclor-1016-3 | (3) | 5.60 | 5.61 | 5.51 | 5.71 | 0.01 |
| Aroclor-1016-4 | (4) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-5 | (5) | 6.00 | 6.00 | 5.90 | 6.10 | 0.01 |
| Aroclor-1260-1 | (1) | 7.12 | 7.13 | 7.03 | 7.23 | 0.01 |
| Aroclor-1260-2 | (2) | 7.38 | 7.38 | 7.28 | 7.48 | 0.00 |
| Aroclor-1260-3 | (3) | 7.74 | 7.74 | 7.64 | 7.84 | 0.00 |
| Aroclor-1260-4 | (4) | 7.97 | 7.97 | 7.87 | 8.07 | 0.00 |
| Aroclor-1260-5 | (5) | 8.28 | 8.28 | 8.18 | 8.38 | 0.00 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Decachlorobiphenyl | | 10.05 | 10.06 | 9.96 | 10.16 | 0.01 |

Raw Data: **PO107464.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/29/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 01:50 **Initial Calibration Time(s):** 18:27 02:36

**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) | 4.72 | 4.73 | 4.63 | 4.83 | 0.01 |
| Aroclor-1016-2 | (2) | 4.74 | 4.75 | 4.65 | 4.85 | 0.01 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-5 | (5) | 5.17 | 5.18 | 5.08 | 5.28 | 0.01 |
| Aroclor-1260-1 | (1) | 6.20 | 6.21 | 6.11 | 6.31 | 0.01 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.29 | 6.49 | 0.00 |
| Aroclor-1260-3 | (3) | 6.54 | 6.55 | 6.45 | 6.65 | 0.01 |
| Aroclor-1260-4 | (4) | 7.01 | 7.02 | 6.92 | 7.12 | 0.01 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.16 | 7.36 | 0.00 |
| Tetrachloro-m-xylene | | 3.64 | 3.65 | 3.55 | 3.75 | 0.01 |
| Decachlorobiphenyl | | 8.63 | 8.64 | 8.54 | 8.74 | 0.01 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/29/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107464.D **Time Analyzed:** 01:50

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.520 | 5.423 | 5.623 | 472.650 | 500.000 | -5.5 |
| Aroclor-1016-2 | 5.542 | 5.445 | 5.645 | 463.570 | 500.000 | -7.3 |
| Aroclor-1016-3 | 5.604 | 5.507 | 5.707 | 458.350 | 500.000 | -8.3 |
| Aroclor-1016-4 | 5.701 | 5.604 | 5.804 | 474.940 | 500.000 | -5.0 |
| Aroclor-1016-5 | 5.995 | 5.899 | 6.099 | 476.080 | 500.000 | -4.8 |
| Aroclor-1260-1 | 7.122 | 7.026 | 7.226 | 444.530 | 500.000 | -11.1 |
| Aroclor-1260-2 | 7.379 | 7.282 | 7.482 | 452.620 | 500.000 | -9.5 |
| Aroclor-1260-3 | 7.740 | 7.643 | 7.843 | 456.730 | 500.000 | -8.7 |
| Aroclor-1260-4 | 7.965 | 7.868 | 8.068 | 469.950 | 500.000 | -6.0 |
| Aroclor-1260-5 | 8.277 | 8.181 | 8.381 | 472.910 | 500.000 | -5.4 |
| Decachlorobiphenyl | 10.054 | 9.958 | 10.158 | 44.950 | 50.000 | -10.1 |
| Tetrachloro-m-xylene | 4.370 | 4.274 | 4.474 | 50.210 | 50.000 | 0.4 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/29/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107464.D **Time Analyzed:** 01:50

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.724 | 4.626 | 4.826 | 537.050 | 500.000 | 7.4 |
| Aroclor-1016-2 | 4.743 | 4.645 | 4.845 | 547.370 | 500.000 | 9.5 |
| Aroclor-1016-3 | 4.919 | 4.821 | 5.021 | 523.250 | 500.000 | 4.7 |
| Aroclor-1016-4 | 4.960 | 4.862 | 5.062 | 504.760 | 500.000 | 1.0 |
| Aroclor-1016-5 | 5.174 | 5.076 | 5.276 | 535.810 | 500.000 | 7.2 |
| Aroclor-1260-1 | 6.204 | 6.107 | 6.307 | 511.330 | 500.000 | 2.3 |
| Aroclor-1260-2 | 6.391 | 6.294 | 6.494 | 537.550 | 500.000 | 7.5 |
| Aroclor-1260-3 | 6.544 | 6.448 | 6.648 | 517.490 | 500.000 | 3.5 |
| Aroclor-1260-4 | 7.014 | 6.918 | 7.118 | 493.460 | 500.000 | -1.3 |
| Aroclor-1260-5 | 7.255 | 7.159 | 7.359 | 503.490 | 500.000 | 0.7 |
| Decachlorobiphenyl | 8.634 | 8.539 | 8.739 | 41.710 | 50.000 | -16.6 |
| Tetrachloro-m-xylene | 3.643 | 3.545 | 3.745 | 52.750 | 50.000 | 5.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 01:50
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 05:17:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.370 | 3.643 | 457.6E6 | 169.8E6 | 50.214 | 52.750 |
| 2) | SA Decachlor... | 10.054 | 8.634 | 110.3E6 | 114.3E6 | 44.952 | 41.708 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.520 | 4.724 | 127.5E6 | 55458954 | 472.652 | 537.051 |
| 4) | L1 AR-1016-2 | 5.542 | 4.743 | 184.0E6 | 77162171 | 463.571 | 547.375 |
| 5) | L1 AR-1016-3 | 5.604 | 4.919 | 115.1E6 | 41203616 | 458.347 | 523.249 |
| 6) | L1 AR-1016-4 | 5.701 | 4.960 | 91478769 | 33368884 | 474.938 | 504.761 |
| 7) | L1 AR-1016-5 | 5.995 | 5.174 | 86957249 | 44007838 | 476.078 | 535.806 |
| 31) | L7 AR-1260-1 | 7.122 | 6.204 | 115.0E6 | 79335570 | 444.532 | 511.332 |
| 32) | L7 AR-1260-2 | 7.379 | 6.391 | 119.1E6 | 94670837 | 452.618 | 537.549 |
| 33) | L7 AR-1260-3 | 7.740 | 6.544 | 82094815 | 86807857 | 456.729 | 517.489 |
| 34) | L7 AR-1260-4 | 7.965 | 7.014 | 82478511 | 71394405 | 469.953 | 493.462 |
| 35) | L7 AR-1260-5 | 8.277 | 7.255 | 134.5E6 | 165.9E6 | 472.910 | 503.486 |

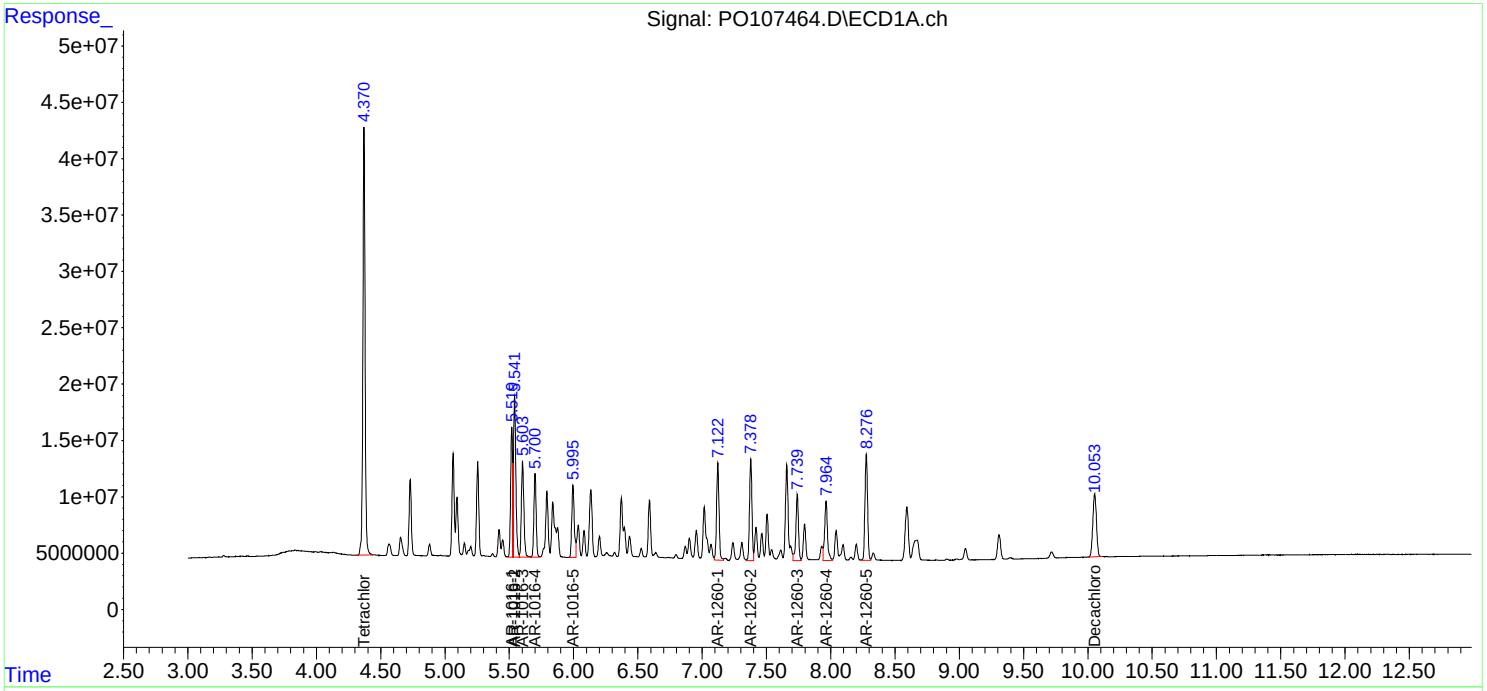
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

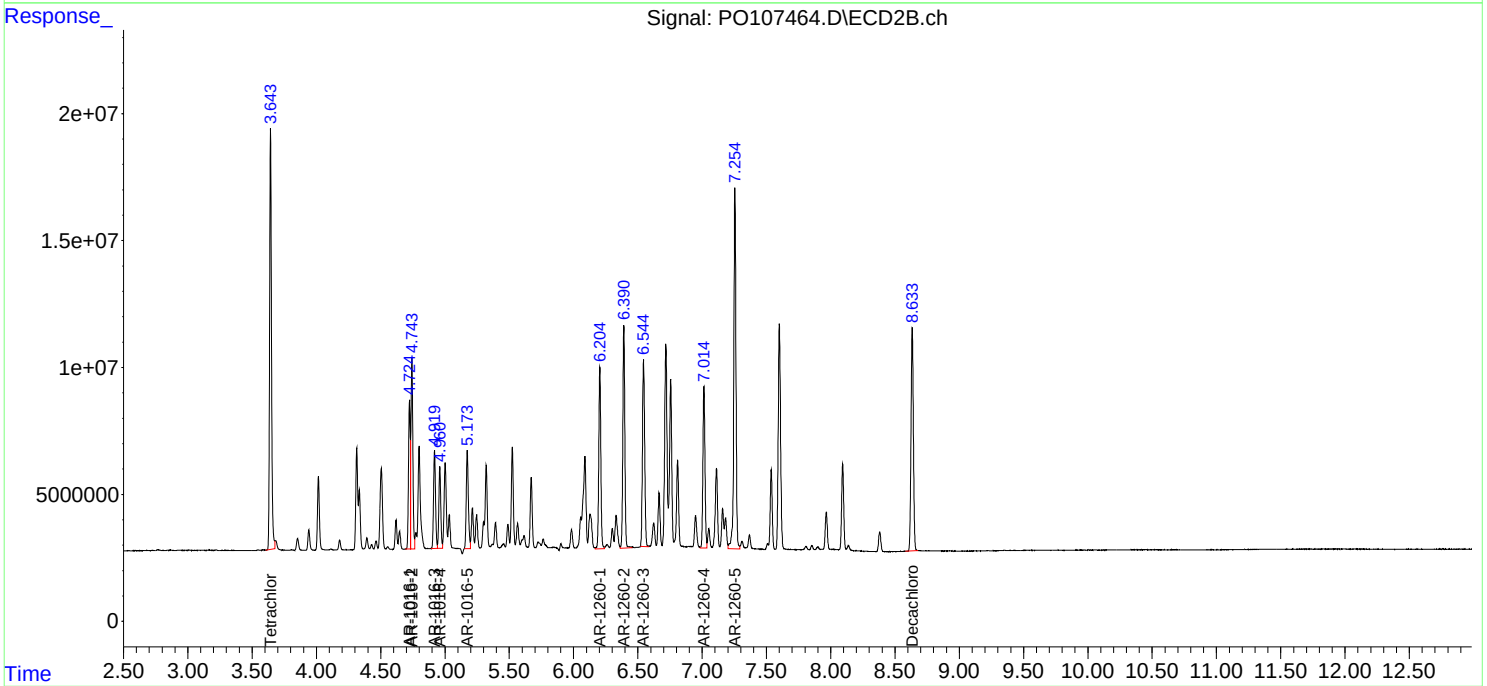
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 01:50
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 05:17:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



Raw Data: **PP068299.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/29/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 11:47 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.92 | 5.92 | 5.82 | 6.02 | 0.01 |
| Aroclor-1016-2 | (2) | 5.94 | 5.94 | 5.84 | 6.04 | 0.00 |
| Aroclor-1016-3 | (3) | 6.00 | 6.01 | 5.91 | 6.11 | 0.01 |
| Aroclor-1016-4 | (4) | 6.10 | 6.10 | 6.00 | 6.20 | 0.00 |
| Aroclor-1016-5 | (5) | 6.39 | 6.40 | 6.30 | 6.50 | 0.01 |
| Aroclor-1260-1 | (1) | 7.52 | 7.52 | 7.42 | 7.62 | 0.00 |
| Aroclor-1260-2 | (2) | 7.77 | 7.78 | 7.68 | 7.88 | 0.01 |
| Aroclor-1260-3 | (3) | 8.13 | 8.14 | 8.04 | 8.24 | 0.01 |
| Aroclor-1260-4 | (4) | 8.37 | 8.38 | 8.28 | 8.48 | 0.01 |
| Aroclor-1260-5 | (5) | 8.70 | 8.71 | 8.61 | 8.81 | 0.01 |
| Tetrachloro-m-xylene | | 4.75 | 4.76 | 4.66 | 4.86 | 0.01 |
| Decachlorobiphenyl | | 10.66 | 10.67 | 10.57 | 10.77 | 0.01 |

Raw Data: **PP068299.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/29/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 11:47 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.15 | 5.16 | 5.06 | 5.26 | 0.01 |
| Aroclor-1016-2 | (2) | 5.17 | 5.18 | 5.08 | 5.28 | 0.01 |
| Aroclor-1016-3 | (3) | 5.35 | 5.36 | 5.26 | 5.46 | 0.01 |
| Aroclor-1016-4 | (4) | 5.39 | 5.40 | 5.30 | 5.50 | 0.01 |
| Aroclor-1016-5 | (5) | 5.61 | 5.62 | 5.52 | 5.72 | 0.01 |
| Aroclor-1260-1 | (1) | 6.65 | 6.66 | 6.56 | 6.76 | 0.01 |
| Aroclor-1260-2 | (2) | 6.84 | 6.85 | 6.75 | 6.95 | 0.01 |
| Aroclor-1260-3 | (3) | 7.00 | 7.01 | 6.91 | 7.11 | 0.01 |
| Aroclor-1260-4 | (4) | 7.47 | 7.48 | 7.38 | 7.58 | 0.01 |
| Aroclor-1260-5 | (5) | 7.71 | 7.72 | 7.62 | 7.82 | 0.01 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 3.95 | 4.15 | 0.00 |
| Decachlorobiphenyl | | 9.20 | 9.22 | 9.12 | 9.32 | 0.02 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL04 **Date Analyzed:** 10/29/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068299.D **Time Analyzed:** 11:47

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.915 | 5.819 | 6.019 | 560.040 | 500.000 | 12.0 |
| Aroclor-1016-2 | 5.938 | 5.842 | 6.042 | 551.340 | 500.000 | 10.3 |
| Aroclor-1016-3 | 6.000 | 5.905 | 6.105 | 550.550 | 500.000 | 10.1 |
| Aroclor-1016-4 | 6.099 | 6.003 | 6.203 | 544.740 | 500.000 | 8.9 |
| Aroclor-1016-5 | 6.393 | 6.298 | 6.498 | 532.370 | 500.000 | 6.5 |
| Aroclor-1260-1 | 7.516 | 7.422 | 7.622 | 510.920 | 500.000 | 2.2 |
| Aroclor-1260-2 | 7.769 | 7.675 | 7.875 | 502.770 | 500.000 | 0.6 |
| Aroclor-1260-3 | 8.130 | 8.037 | 8.237 | 518.960 | 500.000 | 3.8 |
| Aroclor-1260-4 | 8.367 | 8.275 | 8.475 | 514.860 | 500.000 | 3.0 |
| Aroclor-1260-5 | 8.704 | 8.612 | 8.812 | 516.390 | 500.000 | 3.3 |
| Decachlorobiphenyl | 10.657 | 10.569 | 10.769 | 56.100 | 50.000 | 12.2 |
| Tetrachloro-m-xylene | 4.751 | 4.655 | 4.855 | 56.350 | 50.000 | 12.7 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL04 **Date Analyzed:** 10/29/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068299.D **Time Analyzed:** 11:47

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.153 | 5.061 | 5.261 | 503.500 | 500.000 | 0.7 |
| Aroclor-1016-2 | 5.173 | 5.081 | 5.281 | 499.880 | 500.000 | 0.0 |
| Aroclor-1016-3 | 5.354 | 5.262 | 5.462 | 524.560 | 500.000 | 4.9 |
| Aroclor-1016-4 | 5.393 | 5.301 | 5.501 | 523.430 | 500.000 | 4.7 |
| Aroclor-1016-5 | 5.612 | 5.520 | 5.720 | 508.770 | 500.000 | 1.8 |
| Aroclor-1260-1 | 6.654 | 6.564 | 6.764 | 493.590 | 500.000 | -1.3 |
| Aroclor-1260-2 | 6.840 | 6.750 | 6.950 | 495.080 | 500.000 | -1.0 |
| Aroclor-1260-3 | 6.998 | 6.908 | 7.108 | 493.360 | 500.000 | -1.3 |
| Aroclor-1260-4 | 7.472 | 7.383 | 7.583 | 496.630 | 500.000 | -0.7 |
| Aroclor-1260-5 | 7.711 | 7.622 | 7.822 | 495.530 | 500.000 | -0.9 |
| Decachlorobiphenyl | 9.202 | 9.119 | 9.319 | 52.510 | 50.000 | 5.0 |
| Tetrachloro-m-xylene | 4.047 | 3.952 | 4.152 | 50.920 | 50.000 | 1.8 |

Quantitation Report (QT Reviewed)

Sample Results: **PP068299.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 11:47
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:31:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.751 | 4.047 | 52163038 | 51446584 | 56.353 | 50.917 |
| 2) | SA Decachlor... | 10.657 | 9.202 | 64583360 | 58887236 | 56.096 | 52.510m |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.915 | 5.153 | 18518777 | 17615957 | 560.043 | 503.496 |
| 4) | L1 AR-1016-2 | 5.938 | 5.173 | 26889545 | 24078439 | 551.345 | 499.879 |
| 5) | L1 AR-1016-3 | 6.000 | 5.354 | 17349040 | 14130314 | 550.554 | 524.559 |
| 6) | L1 AR-1016-4 | 6.099 | 5.393 | 14023463 | 12606788 | 544.735 | 523.427 |
| 7) | L1 AR-1016-5 | 6.393 | 5.612 | 14409564 | 15471626 | 532.368 | 508.770 |
| 31) | L7 AR-1260-1 | 7.516 | 6.654 | 27602007 | 28116042 | 510.924 | 493.593 |
| 32) | L7 AR-1260-2 | 7.769 | 6.840 | 31810884 | 33023710 | 502.774 | 495.076 |
| 33) | L7 AR-1260-3 | 8.130 | 6.998 | 26907367 | 31427412 | 518.958 | 493.357 |
| 34) | L7 AR-1260-4 | 8.367 | 7.472 | 30991584 | 27460260 | 514.858 | 496.634 |
| 35) | L7 AR-1260-5 | 8.704 | 7.711 | 55621801 | 60602988 | 516.393 | 495.533 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 11:47
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

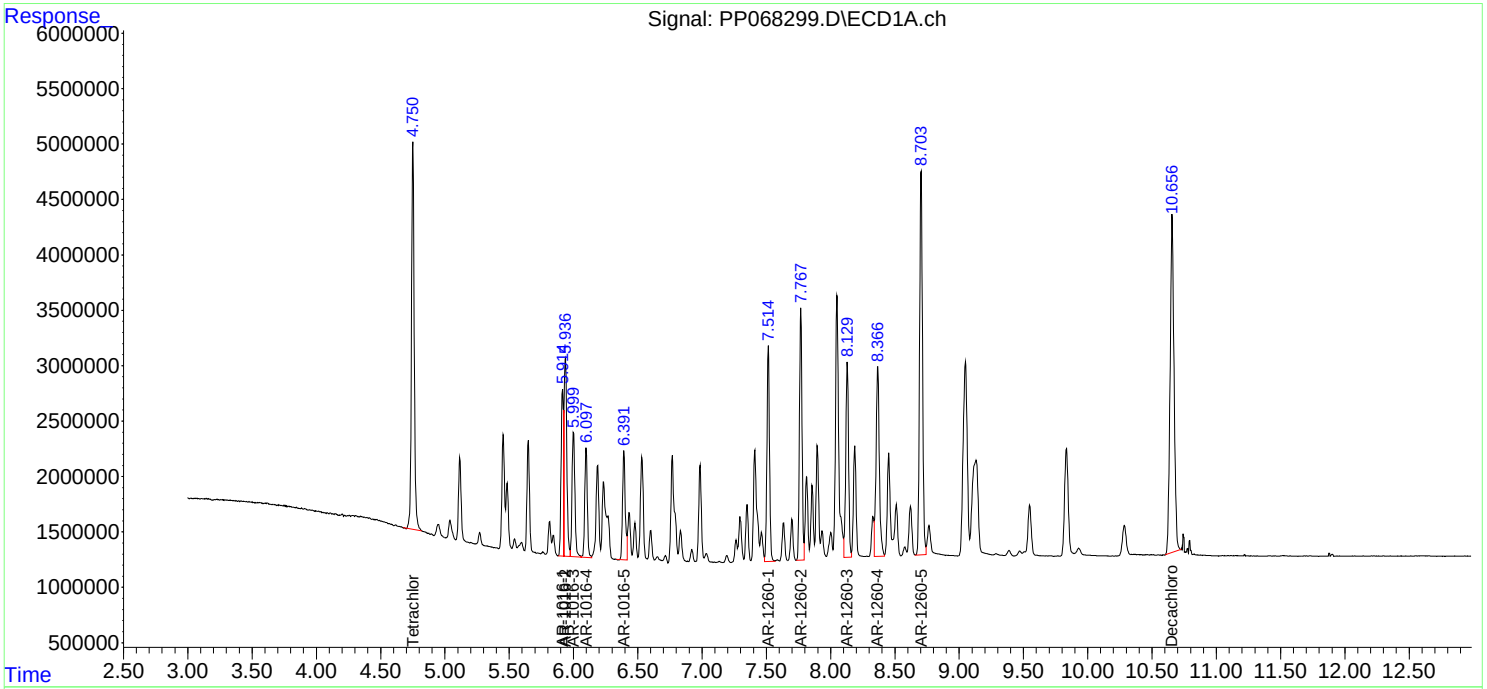
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

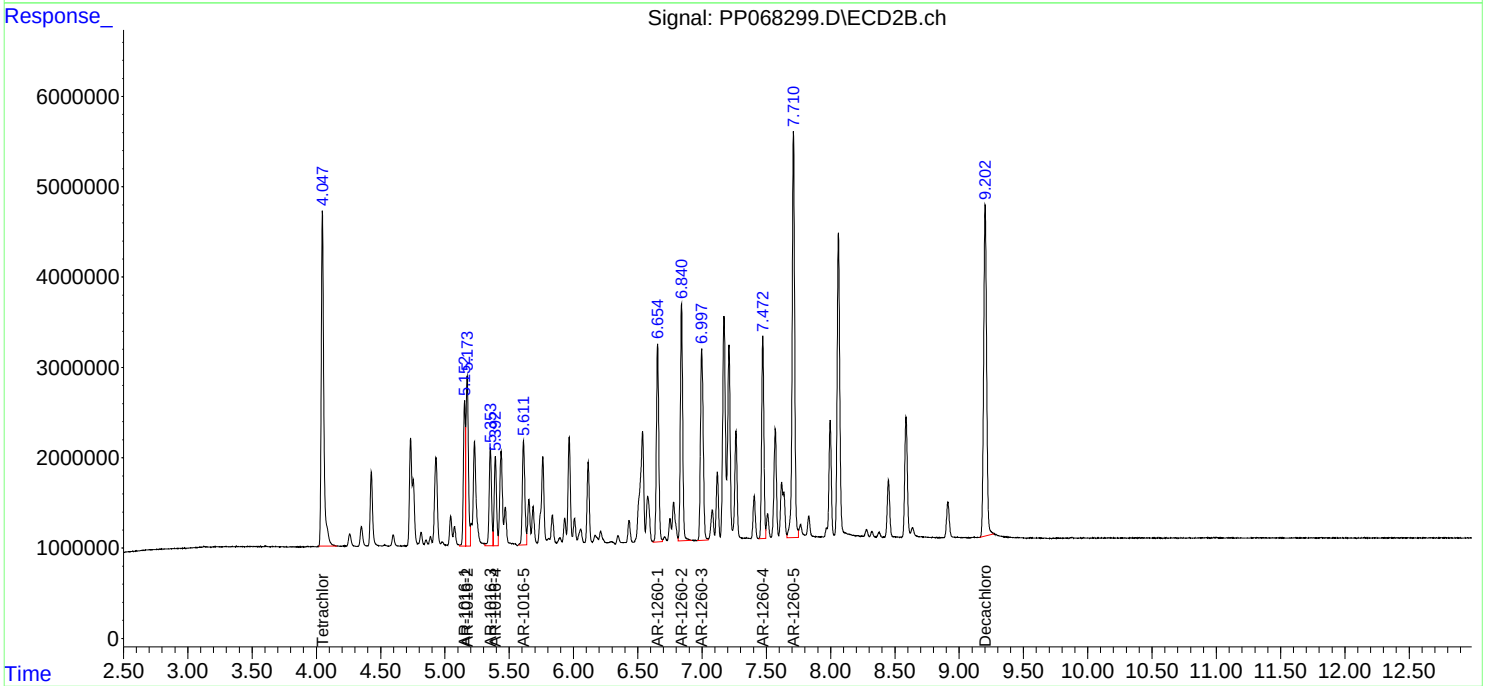
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:31:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



Raw Data: **PP068312.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/29/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 17:47 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.93 | 5.92 | 5.82 | 6.02 | -0.01 |
| Aroclor-1016-2 | (2) | 5.95 | 5.94 | 5.84 | 6.04 | -0.01 |
| Aroclor-1016-3 | (3) | 6.01 | 6.01 | 5.91 | 6.11 | 0.00 |
| Aroclor-1016-4 | (4) | 6.11 | 6.10 | 6.00 | 6.20 | -0.01 |
| Aroclor-1016-5 | (5) | 6.40 | 6.40 | 6.30 | 6.50 | 0.00 |
| Aroclor-1260-1 | (1) | 7.52 | 7.52 | 7.42 | 7.62 | 0.00 |
| Aroclor-1260-2 | (2) | 7.78 | 7.78 | 7.68 | 7.88 | 0.00 |
| Aroclor-1260-3 | (3) | 8.14 | 8.14 | 8.04 | 8.24 | 0.00 |
| Aroclor-1260-4 | (4) | 8.38 | 8.38 | 8.28 | 8.48 | 0.00 |
| Aroclor-1260-5 | (5) | 8.71 | 8.71 | 8.61 | 8.81 | 0.00 |
| Tetrachloro-m-xylene | | 4.76 | 4.76 | 4.66 | 4.86 | 0.00 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.57 | 10.77 | 0.00 |

Raw Data: **PP068312.D**

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**Continuing Calib Date:** 10/29/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 17:47 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.16 | 5.16 | 5.06 | 5.26 | 0.00 |
| Aroclor-1016-2 | (2) | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| Aroclor-1016-3 | (3) | 5.36 | 5.36 | 5.26 | 5.46 | 0.00 |
| Aroclor-1016-4 | (4) | 5.40 | 5.40 | 5.30 | 5.50 | 0.00 |
| Aroclor-1016-5 | (5) | 5.62 | 5.62 | 5.52 | 5.72 | 0.00 |
| Aroclor-1260-1 | (1) | 6.66 | 6.66 | 6.56 | 6.76 | 0.00 |
| Aroclor-1260-2 | (2) | 6.85 | 6.85 | 6.75 | 6.95 | 0.00 |
| Aroclor-1260-3 | (3) | 7.00 | 7.01 | 6.91 | 7.11 | 0.01 |
| Aroclor-1260-4 | (4) | 7.48 | 7.48 | 7.38 | 7.58 | 0.00 |
| Aroclor-1260-5 | (5) | 7.72 | 7.72 | 7.62 | 7.82 | 0.00 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 3.95 | 4.15 | 0.00 |
| Decachlorobiphenyl | | 9.21 | 9.22 | 9.12 | 9.32 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL05 **Date Analyzed:** 10/29/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068312.D **Time Analyzed:** 17:47

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.925 | 5.819 | 6.019 | 545.450 | 500.000 | 9.1 |
| Aroclor-1016-2 | 5.946 | 5.842 | 6.042 | 552.100 | 500.000 | 10.4 |
| Aroclor-1016-3 | 6.010 | 5.905 | 6.105 | 536.070 | 500.000 | 7.2 |
| Aroclor-1016-4 | 6.108 | 6.003 | 6.203 | 518.640 | 500.000 | 3.7 |
| Aroclor-1016-5 | 6.402 | 6.298 | 6.498 | 547.610 | 500.000 | 9.5 |
| Aroclor-1260-1 | 7.524 | 7.422 | 7.622 | 509.830 | 500.000 | 2.0 |
| Aroclor-1260-2 | 7.778 | 7.675 | 7.875 | 513.410 | 500.000 | 2.7 |
| Aroclor-1260-3 | 8.139 | 8.037 | 8.237 | 535.650 | 500.000 | 7.1 |
| Aroclor-1260-4 | 8.377 | 8.275 | 8.475 | 524.710 | 500.000 | 4.9 |
| Aroclor-1260-5 | 8.713 | 8.612 | 8.812 | 533.880 | 500.000 | 6.8 |
| Decachlorobiphenyl | 10.669 | 10.569 | 10.769 | 58.530 | 50.000 | 17.1 |
| Tetrachloro-m-xylene | 4.761 | 4.655 | 4.855 | 58.210 | 50.000 | 16.4 |

Raw Data: **PP068312.D**

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL05 **Date Analyzed:** 10/29/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068312.D **Time Analyzed:** 17:47

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.159 | 5.061 | 5.261 | 517.750 | 500.000 | 3.6 |
| Aroclor-1016-2 | 5.179 | 5.081 | 5.281 | 530.920 | 500.000 | 6.2 |
| Aroclor-1016-3 | 5.359 | 5.262 | 5.462 | 531.030 | 500.000 | 6.2 |
| Aroclor-1016-4 | 5.399 | 5.301 | 5.501 | 530.080 | 500.000 | 6.0 |
| Aroclor-1016-5 | 5.617 | 5.520 | 5.720 | 548.700 | 500.000 | 9.7 |
| Aroclor-1260-1 | 6.660 | 6.564 | 6.764 | 507.760 | 500.000 | 1.6 |
| Aroclor-1260-2 | 6.847 | 6.750 | 6.950 | 513.820 | 500.000 | 2.8 |
| Aroclor-1260-3 | 7.004 | 6.908 | 7.108 | 513.220 | 500.000 | 2.6 |
| Aroclor-1260-4 | 7.478 | 7.383 | 7.583 | 516.080 | 500.000 | 3.2 |
| Aroclor-1260-5 | 7.716 | 7.622 | 7.822 | 529.410 | 500.000 | 5.9 |
| Decachlorobiphenyl | 9.208 | 9.119 | 9.319 | 58.550 | 50.000 | 17.1 |
| Tetrachloro-m-xylene | 4.053 | 3.952 | 4.152 | 52.210 | 50.000 | 4.4 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 17:47
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 00:57:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.761 | 4.053 | 53880778 | 52748840 | 58.209 | 52.206 |
| 2) | SA Decachlor... | 10.669 | 9.208 | 67382490 | 65663271 | 58.527 | 58.552 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.925 | 5.159 | 18036380 | 18114553 | 545.455 | 517.747 |
| 4) | L1 AR-1016-2 | 5.946 | 5.179 | 26926288 | 25573663 | 552.098 | 530.920 |
| 5) | L1 AR-1016-3 | 6.010 | 5.359 | 16892548 | 14304637 | 536.068 | 531.031 |
| 6) | L1 AR-1016-4 | 6.108 | 5.399 | 13351764 | 12767118 | 518.643 | 530.084 |
| 7) | L1 AR-1016-5 | 6.402 | 5.617 | 14822065 | 16685854 | 547.608 | 548.699 |
| 31) | L7 AR-1260-1 | 7.524 | 6.660 | 27542747 | 28922894 | 509.827 | 507.758 |
| 32) | L7 AR-1260-2 | 7.778 | 6.847 | 32484056 | 34274289 | 513.413 | 513.824 |
| 33) | L7 AR-1260-3 | 8.139 | 7.004 | 27772925 | 32692545 | 535.652 | 513.218 |
| 34) | L7 AR-1260-4 | 8.377 | 7.478 | 31584529 | 28535461 | 524.709 | 516.080 |
| 35) | L7 AR-1260-5 | 8.713 | 7.716 | 57505301 | 64745602 | 533.880 | 529.406 |

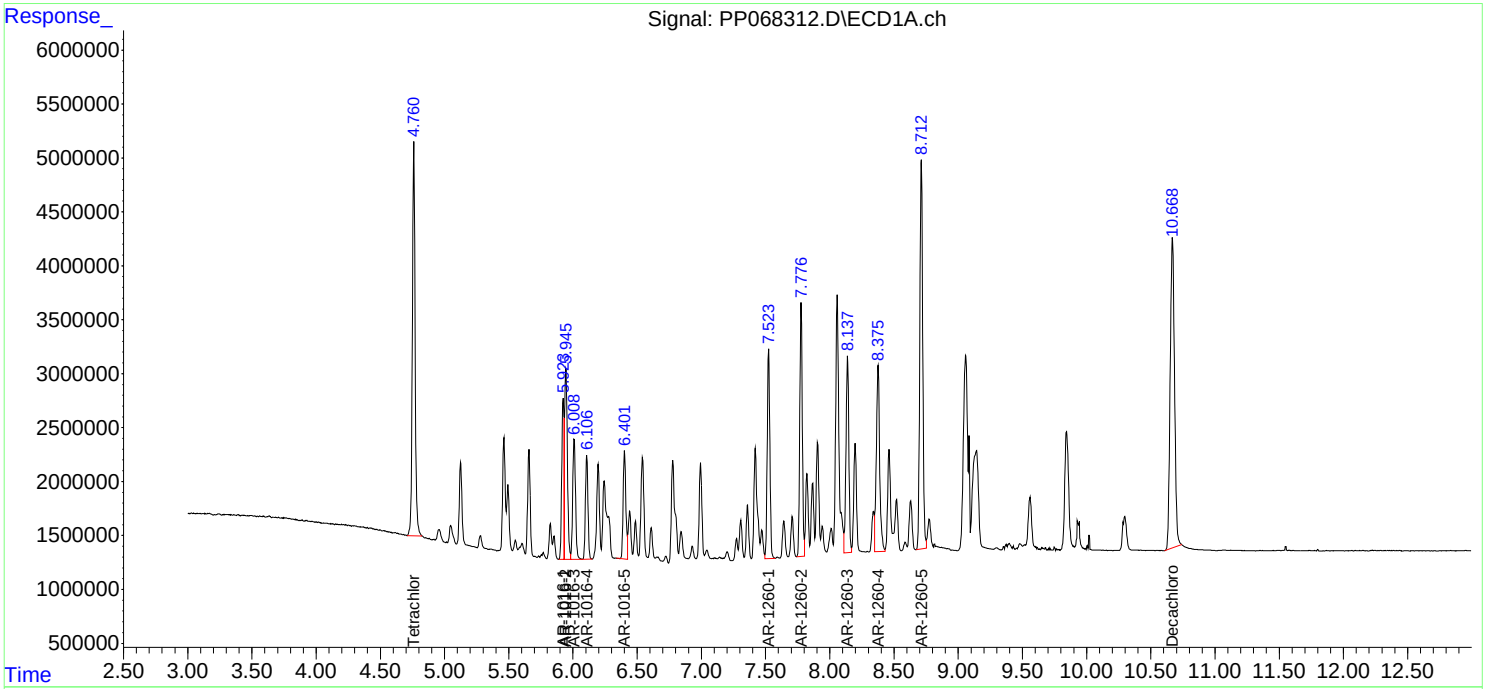
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

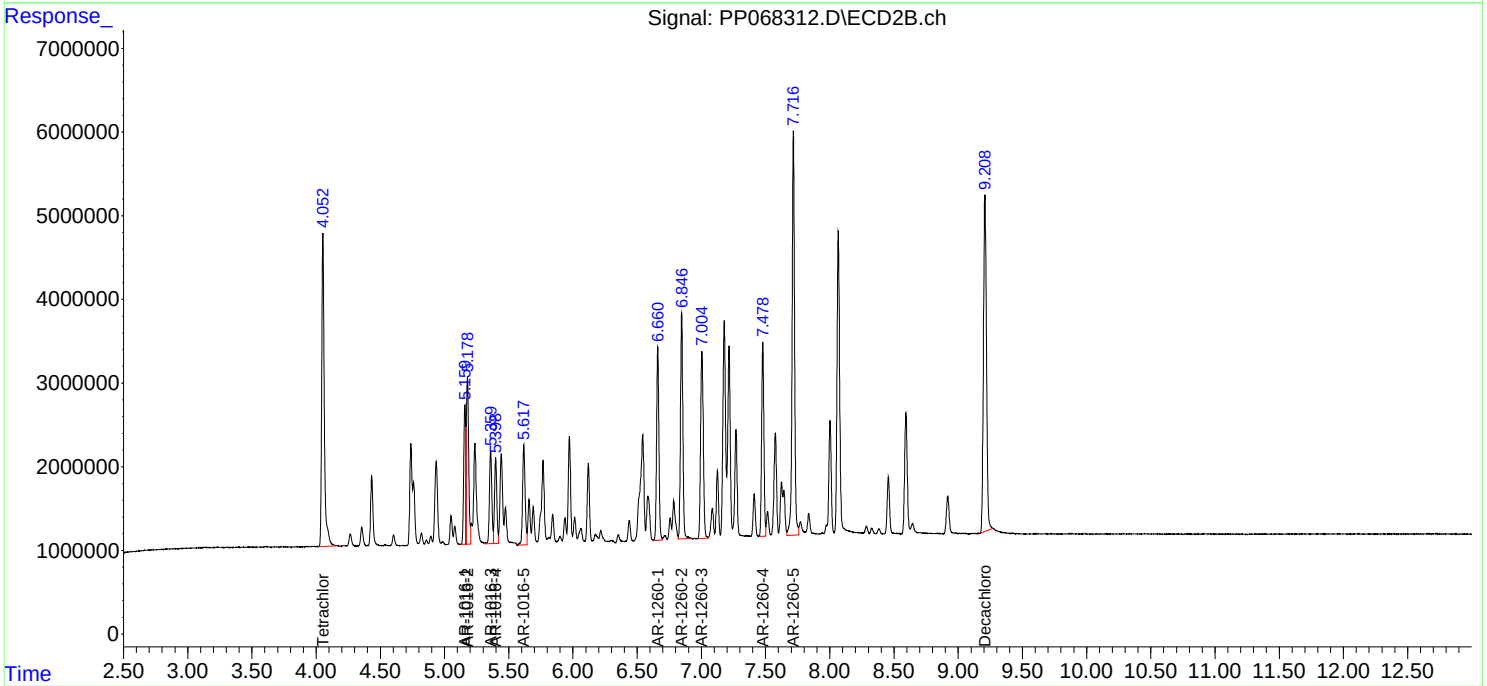
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 17:47
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 00:57:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



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Fax : 908 789 8922

# Analytical Sequence

**Client:** Portal Partners Tri-Venture **SDG No.:** P4578

**Project:** Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_O

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

**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 | 10/15/2024 | 18:08 | PO107183.D | 10.06 | 4.37 |
| AR1660ICC1000 | AR1660ICC1000 | 10/15/2024 | 18:27 | PO107184.D | 10.06 | 4.37 |
| AR1660ICC750 | AR1660ICC750 | 10/15/2024 | 18:45 | PO107185.D | 10.06 | 4.37 |
| AR1660ICC500 | AR1660ICC500 | 10/15/2024 | 19:03 | PO107186.D | 10.06 | 4.37 |
| AR1660ICC250 | AR1660ICC250 | 10/15/2024 | 19:21 | PO107187.D | 10.06 | 4.37 |
| AR1660ICC050 | AR1660ICC050 | 10/15/2024 | 19:39 | PO107188.D | 10.06 | 4.37 |
| AR1221ICC500 | AR1221ICC500 | 10/15/2024 | 19:57 | PO107189.D | 10.06 | 4.37 |
| AR1232ICC500 | AR1232ICC500 | 10/15/2024 | 20:15 | PO107190.D | 10.06 | 4.37 |
| AR1242ICC1000 | AR1242ICC1000 | 10/15/2024 | 20:34 | PO107191.D | 10.06 | 4.37 |
| AR1242ICC750 | AR1242ICC750 | 10/15/2024 | 20:52 | PO107192.D | 10.06 | 4.37 |
| AR1242ICC500 | AR1242ICC500 | 10/15/2024 | 21:10 | PO107193.D | 10.06 | 4.37 |
| AR1242ICC250 | AR1242ICC250 | 10/15/2024 | 21:28 | PO107194.D | 10.06 | 4.37 |
| AR1242ICC050 | AR1242ICC050 | 10/15/2024 | 21:46 | PO107195.D | 10.06 | 4.37 |
| AR1248ICC1000 | AR1248ICC1000 | 10/15/2024 | 22:04 | PO107196.D | 10.06 | 4.37 |
| AR1248ICC750 | AR1248ICC750 | 10/15/2024 | 22:22 | PO107197.D | 10.06 | 4.37 |
| AR1248ICC500 | AR1248ICC500 | 10/15/2024 | 22:41 | PO107198.D | 10.06 | 4.37 |
| AR1248ICC250 | AR1248ICC250 | 10/15/2024 | 22:59 | PO107199.D | 10.06 | 4.37 |
| AR1248ICC050 | AR1248ICC050 | 10/15/2024 | 23:17 | PO107200.D | 10.06 | 4.37 |
| AR1254ICC1000 | AR1254ICC1000 | 10/15/2024 | 23:35 | PO107201.D | 10.06 | 4.37 |
| AR1254ICC750 | AR1254ICC750 | 10/15/2024 | 23:53 | PO107202.D | 10.06 | 4.37 |
| AR1254ICC500 | AR1254ICC500 | 10/16/2024 | 00:11 | PO107203.D | 10.06 | 4.37 |
| AR1254ICC250 | AR1254ICC250 | 10/16/2024 | 00:29 | PO107204.D | 10.06 | 4.37 |
| AR1254ICC050 | AR1254ICC050 | 10/16/2024 | 00:47 | PO107205.D | 10.06 | 4.37 |
| AR1262ICC500 | AR1262ICC500 | 10/16/2024 | 01:05 | PO107206.D | 10.06 | 4.37 |
| AR1268ICC1000 | AR1268ICC1000 | 10/16/2024 | 01:23 | PO107207.D | 10.06 | 4.37 |
| AR1268ICC750 | AR1268ICC750 | 10/16/2024 | 01:41 | PO107208.D | 10.06 | 4.37 |
| AR1268ICC500 | AR1268ICC500 | 10/16/2024 | 01:59 | PO107209.D | 10.06 | 4.37 |
| AR1268ICC250 | AR1268ICC250 | 10/16/2024 | 02:18 | PO107210.D | 10.06 | 4.37 |
| AR1268ICC050 | AR1268ICC050 | 10/16/2024 | 02:36 | PO107211.D | 10.06 | 4.37 |
| AR1660CCC500 | AR1660CCC500 | 10/28/2024 | 16:10 | PO107435.D | 10.06 | 4.37 |
| I.BLK | I.BLK | 10/28/2024 | 17:40 | PO107440.D | 10.06 | 4.37 |
| PB164459BL | PB164459BL | 10/28/2024 | 17:58 | PO107441.D | 10.06 | 4.37 |
| PB164459BS | PB164459BS | 10/28/2024 | 18:16 | PO107442.D | 10.06 | 4.37 |
| HD-01-102524MS | P4566-01MS | 10/28/2024 | 19:28 | PO107446.D | 10.06 | 4.37 |
| HD-01-102524MSD | P4566-01MSD | 10/28/2024 | 19:46 | PO107447.D | 10.06 | 4.37 |
| AR1660CCC500 | AR1660CCC500 | 10/28/2024 | 21:27 | PO107451.D | 10.06 | 4.37 |
| I.BLK | I.BLK | 10/28/2024 | 22:39 | PO107455.D | 10.06 | 4.37 |
| WB-305-TOP | P4578-03 | 10/29/2024 | 00:09 | PO107460.D | 10.05 | 4.37 |
| WB-305-TOP-1 | P4578-04 | 10/29/2024 | 00:27 | PO107461.D | 10.06 | 4.37 |
| WB-305-BOT | P4578-05 | 10/29/2024 | 00:45 | PO107462.D | 10.06 | 4.37 |
| WB-305-BOT-1 | P4578-07 | 10/29/2024 | 01:03 | PO107463.D | 10.05 | 4.37 |
| AR1660CCC500 | AR1660CCC500 | 10/29/2024 | 01:50 | PO107464.D | 10.05 | 4.37 |

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# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 10/29/2024 | 03:02 | PO107468.D | 10.06 | 4.37 |
| I.BLK | I.BLK | 10/08/2024 | 16:14 | PP067586.D | 10.67 | 4.75 |
| AR1660ICC1000 | AR1660ICC1000 | 10/08/2024 | 16:30 | PP067587.D | 10.67 | 4.75 |
| AR1660ICC750 | AR1660ICC750 | 10/08/2024 | 16:46 | PP067588.D | 10.67 | 4.75 |
| AR1660ICC500 | AR1660ICC500 | 10/08/2024 | 17:02 | PP067589.D | 10.67 | 4.76 |
| AR1660ICC250 | AR1660ICC250 | 10/08/2024 | 17:19 | PP067590.D | 10.67 | 4.75 |
| AR1660ICC050 | AR1660ICC050 | 10/08/2024 | 17:35 | PP067591.D | 10.67 | 4.76 |
| AR1221ICC500 | AR1221ICC500 | 10/08/2024 | 17:51 | PP067592.D | 10.67 | 4.75 |
| AR1232ICC500 | AR1232ICC500 | 10/08/2024 | 18:07 | PP067593.D | 10.67 | 4.75 |
| AR1242ICC1000 | AR1242ICC1000 | 10/08/2024 | 18:23 | PP067594.D | 10.67 | 4.76 |
| AR1242ICC750 | AR1242ICC750 | 10/08/2024 | 18:39 | PP067595.D | 10.67 | 4.76 |
| AR1242ICC500 | AR1242ICC500 | 10/08/2024 | 18:55 | PP067596.D | 10.67 | 4.75 |
| AR1242ICC250 | AR1242ICC250 | 10/08/2024 | 19:12 | PP067597.D | 10.67 | 4.76 |
| AR1242ICC050 | AR1242ICC050 | 10/08/2024 | 19:28 | PP067598.D | 10.67 | 4.75 |
| AR1248ICC1000 | AR1248ICC1000 | 10/08/2024 | 19:44 | PP067599.D | 10.67 | 4.75 |
| AR1248ICC750 | AR1248ICC750 | 10/08/2024 | 20:00 | PP067600.D | 10.67 | 4.75 |
| AR1248ICC500 | AR1248ICC500 | 10/08/2024 | 20:16 | PP067601.D | 10.67 | 4.75 |
| AR1248ICC250 | AR1248ICC250 | 10/08/2024 | 20:32 | PP067602.D | 10.67 | 4.75 |
| AR1248ICC050 | AR1248ICC050 | 10/08/2024 | 20:49 | PP067603.D | 10.66 | 4.75 |
| AR1254ICC1000 | AR1254ICC1000 | 10/08/2024 | 21:05 | PP067604.D | 10.67 | 4.76 |
| AR1254ICC750 | AR1254ICC750 | 10/08/2024 | 21:21 | PP067605.D | 10.67 | 4.75 |
| AR1254ICC500 | AR1254ICC500 | 10/08/2024 | 21:37 | PP067606.D | 10.67 | 4.75 |
| AR1254ICC250 | AR1254ICC250 | 10/08/2024 | 21:53 | PP067607.D | 10.67 | 4.75 |
| AR1254ICC050 | AR1254ICC050 | 10/08/2024 | 22:09 | PP067608.D | 10.66 | 4.75 |
| AR1262ICC500 | AR1262ICC500 | 10/08/2024 | 22:25 | PP067609.D | 10.66 | 4.75 |
| AR1268ICC1000 | AR1268ICC1000 | 10/08/2024 | 22:42 | PP067610.D | 10.67 | 4.76 |
| AR1268ICC750 | AR1268ICC750 | 10/08/2024 | 22:58 | PP067611.D | 10.67 | 4.75 |
| AR1268ICC500 | AR1268ICC500 | 10/08/2024 | 23:14 | PP067612.D | 10.67 | 4.75 |
| AR1268ICC250 | AR1268ICC250 | 10/08/2024 | 23:30 | PP067613.D | 10.67 | 4.75 |
| AR1268ICC050 | AR1268ICC050 | 10/08/2024 | 23:46 | PP067614.D | 10.67 | 4.75 |
| AR1660CCC500 | AR1660CCC500 | 10/29/2024 | 11:47 | PP068299.D | 10.66 | 4.75 |
| I.BLK | I.BLK | 10/29/2024 | 13:45 | PP068303.D | 10.67 | 4.76 |
| PB164493BL | PB164493BL | 10/29/2024 | 15:16 | PP068304.D | 10.68 | 4.76 |
| PB164493BS | PB164493BS | 10/29/2024 | 15:32 | PP068305.D | 10.67 | 4.76 |
| PB164493BSD | PB164493BSD | 10/29/2024 | 15:48 | PP068306.D | 10.67 | 4.76 |
| WB-305-SW | P4578-01 | 10/29/2024 | 16:21 | PP068308.D | 10.67 | 4.76 |
| WB-305-SW-1 | P4578-02 | 10/29/2024 | 16:37 | PP068309.D | 10.67 | 4.76 |
| AR1660CCC500 | AR1660CCC500 | 10/29/2024 | 17:47 | PP068312.D | 10.67 | 4.76 |
| I.BLK | I.BLK | 10/29/2024 | 18:53 | PP068316.D | 10.67 | 4.76 |

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Analytical Sequence

**Client:** Portal Partners Tri-Venture **SDG No.:** P4578

**Project:** Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_O

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

**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 | 10/15/2024 | 18:08 | PO107183.D | 8.64 | 3.64 |
| AR1660ICC1000 | AR1660ICC1000 | 10/15/2024 | 18:27 | PO107184.D | 8.64 | 3.64 |
| AR1660ICC750 | AR1660ICC750 | 10/15/2024 | 18:45 | PO107185.D | 8.64 | 3.64 |
| AR1660ICC500 | AR1660ICC500 | 10/15/2024 | 19:03 | PO107186.D | 8.64 | 3.65 |
| AR1660ICC250 | AR1660ICC250 | 10/15/2024 | 19:21 | PO107187.D | 8.64 | 3.64 |
| AR1660ICC050 | AR1660ICC050 | 10/15/2024 | 19:39 | PO107188.D | 8.64 | 3.64 |
| AR1221ICC500 | AR1221ICC500 | 10/15/2024 | 19:57 | PO107189.D | 8.64 | 3.64 |
| AR1232ICC500 | AR1232ICC500 | 10/15/2024 | 20:15 | PO107190.D | 8.64 | 3.64 |
| AR1242ICC1000 | AR1242ICC1000 | 10/15/2024 | 20:34 | PO107191.D | 8.64 | 3.64 |
| AR1242ICC750 | AR1242ICC750 | 10/15/2024 | 20:52 | PO107192.D | 8.64 | 3.64 |
| AR1242ICC500 | AR1242ICC500 | 10/15/2024 | 21:10 | PO107193.D | 8.64 | 3.64 |
| AR1242ICC250 | AR1242ICC250 | 10/15/2024 | 21:28 | PO107194.D | 8.64 | 3.65 |
| AR1242ICC050 | AR1242ICC050 | 10/15/2024 | 21:46 | PO107195.D | 8.64 | 3.64 |
| AR1248ICC1000 | AR1248ICC1000 | 10/15/2024 | 22:04 | PO107196.D | 8.64 | 3.64 |
| AR1248ICC750 | AR1248ICC750 | 10/15/2024 | 22:22 | PO107197.D | 8.64 | 3.64 |
| AR1248ICC500 | AR1248ICC500 | 10/15/2024 | 22:41 | PO107198.D | 8.64 | 3.64 |
| AR1248ICC250 | AR1248ICC250 | 10/15/2024 | 22:59 | PO107199.D | 8.64 | 3.64 |
| AR1248ICC050 | AR1248ICC050 | 10/15/2024 | 23:17 | PO107200.D | 8.64 | 3.64 |
| AR1254ICC1000 | AR1254ICC1000 | 10/15/2024 | 23:35 | PO107201.D | 8.64 | 3.65 |
| AR1254ICC750 | AR1254ICC750 | 10/15/2024 | 23:53 | PO107202.D | 8.64 | 3.64 |
| AR1254ICC500 | AR1254ICC500 | 10/16/2024 | 00:11 | PO107203.D | 8.64 | 3.64 |
| AR1254ICC250 | AR1254ICC250 | 10/16/2024 | 00:29 | PO107204.D | 8.64 | 3.64 |
| AR1254ICC050 | AR1254ICC050 | 10/16/2024 | 00:47 | PO107205.D | 8.64 | 3.65 |
| AR1262ICC500 | AR1262ICC500 | 10/16/2024 | 01:05 | PO107206.D | 8.64 | 3.64 |
| AR1268ICC1000 | AR1268ICC1000 | 10/16/2024 | 01:23 | PO107207.D | 8.64 | 3.65 |
| AR1268ICC750 | AR1268ICC750 | 10/16/2024 | 01:41 | PO107208.D | 8.64 | 3.64 |
| AR1268ICC500 | AR1268ICC500 | 10/16/2024 | 01:59 | PO107209.D | 8.64 | 3.65 |
| AR1268ICC250 | AR1268ICC250 | 10/16/2024 | 02:18 | PO107210.D | 8.64 | 3.64 |
| AR1268ICC050 | AR1268ICC050 | 10/16/2024 | 02:36 | PO107211.D | 8.64 | 3.65 |
| AR1660CCC500 | AR1660CCC500 | 10/28/2024 | 16:10 | PO107435.D | 8.63 | 3.64 |
| I.BLK | I.BLK | 10/28/2024 | 17:40 | PO107440.D | 8.63 | 3.64 |
| PB164459BL | PB164459BL | 10/28/2024 | 17:58 | PO107441.D | 8.63 | 3.64 |
| PB164459BS | PB164459BS | 10/28/2024 | 18:16 | PO107442.D | 8.64 | 3.64 |
| HD-01-102524MS | P4566-01MS | 10/28/2024 | 19:28 | PO107446.D | 8.64 | 3.65 |
| HD-01-102524MSD | P4566-01MSD | 10/28/2024 | 19:46 | PO107447.D | 8.64 | 3.64 |
| AR1660CCC500 | AR1660CCC500 | 10/28/2024 | 21:27 | PO107451.D | 8.63 | 3.64 |
| I.BLK | I.BLK | 10/28/2024 | 22:39 | PO107455.D | 8.63 | 3.64 |
| WB-305-TOP | P4578-03 | 10/29/2024 | 00:09 | PO107460.D | 8.63 | 3.64 |
| WB-305-TOP-1 | P4578-04 | 10/29/2024 | 00:27 | PO107461.D | 8.63 | 3.64 |
| WB-305-BOT | P4578-05 | 10/29/2024 | 00:45 | PO107462.D | 8.63 | 3.64 |
| WB-305-BOT-1 | P4578-07 | 10/29/2024 | 01:03 | PO107463.D | 8.63 | 3.64 |
| AR1660CCC500 | AR1660CCC500 | 10/29/2024 | 01:50 | PO107464.D | 8.63 | 3.64 |

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Fax : 908 789 8922

# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 10/29/2024 | 03:02 | PO107468.D | 8.63 | 3.64 |
| I.BLK | I.BLK | 10/08/2024 | 16:14 | PP067586.D | 9.22 | 4.05 |
| AR1660ICC1000 | AR1660ICC1000 | 10/08/2024 | 16:30 | PP067587.D | 9.22 | 4.05 |
| AR1660ICC750 | AR1660ICC750 | 10/08/2024 | 16:46 | PP067588.D | 9.22 | 4.05 |
| AR1660ICC500 | AR1660ICC500 | 10/08/2024 | 17:02 | PP067589.D | 9.22 | 4.05 |
| AR1660ICC250 | AR1660ICC250 | 10/08/2024 | 17:19 | PP067590.D | 9.22 | 4.05 |
| AR1660ICC050 | AR1660ICC050 | 10/08/2024 | 17:35 | PP067591.D | 9.22 | 4.05 |
| AR1221ICC500 | AR1221ICC500 | 10/08/2024 | 17:51 | PP067592.D | 9.22 | 4.05 |
| AR1232ICC500 | AR1232ICC500 | 10/08/2024 | 18:07 | PP067593.D | 9.22 | 4.05 |
| AR1242ICC1000 | AR1242ICC1000 | 10/08/2024 | 18:23 | PP067594.D | 9.22 | 4.05 |
| AR1242ICC750 | AR1242ICC750 | 10/08/2024 | 18:39 | PP067595.D | 9.22 | 4.05 |
| AR1242ICC500 | AR1242ICC500 | 10/08/2024 | 18:55 | PP067596.D | 9.22 | 4.05 |
| AR1242ICC250 | AR1242ICC250 | 10/08/2024 | 19:12 | PP067597.D | 9.22 | 4.05 |
| AR1242ICC050 | AR1242ICC050 | 10/08/2024 | 19:28 | PP067598.D | 9.22 | 4.05 |
| AR1248ICC1000 | AR1248ICC1000 | 10/08/2024 | 19:44 | PP067599.D | 9.22 | 4.05 |
| AR1248ICC750 | AR1248ICC750 | 10/08/2024 | 20:00 | PP067600.D | 9.22 | 4.05 |
| AR1248ICC500 | AR1248ICC500 | 10/08/2024 | 20:16 | PP067601.D | 9.22 | 4.05 |
| AR1248ICC250 | AR1248ICC250 | 10/08/2024 | 20:32 | PP067602.D | 9.22 | 4.05 |
| AR1248ICC050 | AR1248ICC050 | 10/08/2024 | 20:49 | PP067603.D | 9.22 | 4.05 |
| AR1254ICC1000 | AR1254ICC1000 | 10/08/2024 | 21:05 | PP067604.D | 9.22 | 4.05 |
| AR1254ICC750 | AR1254ICC750 | 10/08/2024 | 21:21 | PP067605.D | 9.22 | 4.05 |
| AR1254ICC500 | AR1254ICC500 | 10/08/2024 | 21:37 | PP067606.D | 9.22 | 4.05 |
| AR1254ICC250 | AR1254ICC250 | 10/08/2024 | 21:53 | PP067607.D | 9.22 | 4.05 |
| AR1254ICC050 | AR1254ICC050 | 10/08/2024 | 22:09 | PP067608.D | 9.22 | 4.05 |
| AR1262ICC500 | AR1262ICC500 | 10/08/2024 | 22:25 | PP067609.D | 9.22 | 4.05 |
| AR1268ICC1000 | AR1268ICC1000 | 10/08/2024 | 22:42 | PP067610.D | 9.22 | 4.05 |
| AR1268ICC750 | AR1268ICC750 | 10/08/2024 | 22:58 | PP067611.D | 9.22 | 4.05 |
| AR1268ICC500 | AR1268ICC500 | 10/08/2024 | 23:14 | PP067612.D | 9.22 | 4.05 |
| AR1268ICC250 | AR1268ICC250 | 10/08/2024 | 23:30 | PP067613.D | 9.22 | 4.05 |
| AR1268ICC050 | AR1268ICC050 | 10/08/2024 | 23:46 | PP067614.D | 9.22 | 4.05 |
| AR1660CCC500 | AR1660CCC500 | 10/29/2024 | 11:47 | PP068299.D | 9.20 | 4.05 |
| I.BLK | I.BLK | 10/29/2024 | 13:45 | PP068303.D | 9.21 | 4.05 |
| PB164493BL | PB164493BL | 10/29/2024 | 15:16 | PP068304.D | 9.21 | 4.06 |
| PB164493BS | PB164493BS | 10/29/2024 | 15:32 | PP068305.D | 9.21 | 4.05 |
| PB164493BSD | PB164493BSD | 10/29/2024 | 15:48 | PP068306.D | 9.21 | 4.05 |
| WB-305-SW | P4578-01 | 10/29/2024 | 16:21 | PP068308.D | 9.21 | 4.05 |
| WB-305-SW-1 | P4578-02 | 10/29/2024 | 16:37 | PP068309.D | 9.21 | 4.05 |
| AR1660CCC500 | AR1660CCC500 | 10/29/2024 | 17:47 | PP068312.D | 9.21 | 4.05 |
| I.BLK | I.BLK | 10/29/2024 | 18:53 | PP068316.D | 9.21 | 4.05 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: PB164459BS

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164459BS Date(s) Analyzed: 10/28/2024 10/28/2024

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 PO107442.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.52 | 5.47 | 5.57 | 156 | | |
| | 2 | 5.542 | 5.492 | 5.592 | 155 | | |
| | 3 | 5.605 | 5.555 | 5.655 | 154 | | |
| COLUMN 1 | 4 | 5.702 | 5.652 | 5.752 | 161 | | |
| | 5 | 5.996 | 5.946 | 6.046 | 154 | 156 | |
| | 1 | 4.725 | 4.675 | 4.775 | 165 | | |
| | 2 | 4.743 | 4.693 | 4.793 | 167 | | |
| | 3 | 4.92 | 4.87 | 4.97 | 160 | | |
| | 4 | 4.96 | 4.91 | 5.01 | 151 | | |
| COLUMN 2 | 5 | 5.174 | 5.124 | 5.224 | 157 | 160 | 2.53 |
| Aroclor-1260 | 1 | 7.124 | 7.074 | 7.174 | 159 | | |
| | 2 | 7.38 | 7.33 | 7.43 | 162 | | |
| | 3 | 7.741 | 7.691 | 7.791 | 136 | | |
| COLUMN 1 | 4 | 7.965 | 7.915 | 8.015 | 147 | | |
| | 5 | 8.279 | 8.229 | 8.329 | 140 | 149 | |
| | 1 | 6.204 | 6.154 | 6.254 | 166 | | |
| | 2 | 6.391 | 6.341 | 6.441 | 176 | | |
| | 3 | 6.544 | 6.494 | 6.594 | 170 | | |
| | 4 | 7.015 | 6.965 | 7.065 | 145 | | |
| COLUMN 2 | 5 | 7.255 | 7.205 | 7.305 | 154 | 162 | 8.36 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: HD-01-102524MS

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: P4566-01MS Date(s) Analyzed: 10/28/2024 10/28/2024

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 PO107446.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.52 | 5.47 | 5.57 | 145 | | |
| | 2 | 5.542 | 5.492 | 5.592 | 130 | | |
| | 3 | 5.604 | 5.554 | 5.654 | 131 | | |
| COLUMN 1 | 4 | 5.702 | 5.652 | 5.752 | 150 | | |
| | 5 | 5.995 | 5.945 | 6.045 | 161 | 143 | |
| | 1 | 4.725 | 4.675 | 4.775 | 161 | | |
| | 2 | 4.744 | 4.694 | 4.794 | 155 | | |
| | 3 | 4.919 | 4.869 | 4.969 | 159 | | |
| | 4 | 4.961 | 4.911 | 5.011 | 155 | | |
| COLUMN 2 | 5 | 5.173 | 5.123 | 5.223 | 123 | 151 | 5.44 |
| Aroclor-1260 | 1 | 7.123 | 7.073 | 7.173 | 138 | | |
| | 2 | 7.38 | 7.33 | 7.43 | 152 | | |
| | 3 | 7.742 | 7.692 | 7.792 | 125 | | |
| COLUMN 1 | 4 | 7.966 | 7.916 | 8.016 | 145 | | |
| | 5 | 8.279 | 8.229 | 8.329 | 145 | 141 | |
| | 1 | 6.204 | 6.154 | 6.254 | 137 | | |
| | 2 | 6.391 | 6.341 | 6.441 | 142 | | |
| | 3 | 6.544 | 6.494 | 6.594 | 130 | | |
| | 4 | 7.015 | 6.965 | 7.065 | 109 | | |
| COLUMN 2 | 5 | 7.255 | 7.205 | 7.305 | 117 | 127 | 10.45 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

HD-01-102524MSD

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: P4566-01MSD Date(s) Analyzed: 10/28/2024 10/28/2024

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 PO107447.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.521 | 5.471 | 5.571 | 139 | | |
| | 2 | 5.543 | 5.493 | 5.593 | 126 | | |
| | 3 | 5.605 | 5.555 | 5.655 | 129 | | |
| COLUMN 1 | 4 | 5.702 | 5.652 | 5.752 | 144 | | |
| | 5 | 5.995 | 5.945 | 6.045 | 155 | 139 | |
| | 1 | 4.725 | 4.675 | 4.775 | 161 | | |
| | 2 | 4.744 | 4.694 | 4.794 | 154 | | |
| | 3 | 4.919 | 4.869 | 4.969 | 157 | | |
| | 4 | 4.961 | 4.911 | 5.011 | 152 | | |
| COLUMN 2 | 5 | 5.173 | 5.123 | 5.223 | 124 | 150 | 7.61 |
| Aroclor-1260 | 1 | 7.124 | 7.074 | 7.174 | 130 | | |
| | 2 | 7.38 | 7.33 | 7.43 | 142 | | |
| | 3 | 7.742 | 7.692 | 7.792 | 112 | | |
| COLUMN 1 | 4 | 7.966 | 7.916 | 8.016 | 132 | | |
| | 5 | 8.28 | 8.23 | 8.33 | 135 | 130 | |
| | 1 | 6.205 | 6.155 | 6.255 | 132 | | |
| | 2 | 6.391 | 6.341 | 6.441 | 141 | | |
| | 3 | 6.545 | 6.495 | 6.595 | 125 | | |
| | 4 | 7.015 | 6.965 | 7.065 | 106 | | |
| COLUMN 2 | 5 | 7.256 | 7.206 | 7.306 | 112 | 123 | 5.53 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164493BS

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164493BS Date(s) Analyzed: 10/29/2024 10/29/2024

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP068305.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.924 | 5.874 | 5.974 | 4.27 | | |
| | 2 | 5.946 | 5.896 | 5.996 | 4.43 | | |
| | 3 | 6.01 | 5.96 | 6.06 | 4.29 | | |
| COLUMN 1 | 4 | 6.108 | 6.058 | 6.158 | 4.75 | | |
| | 5 | 6.402 | 6.352 | 6.452 | 4.15 | 4.40 | |
| | 1 | 5.16 | 5.11 | 5.21 | 3.85 | | |
| | 2 | 5.179 | 5.129 | 5.229 | 3.93 | | |
| | 3 | 5.36 | 5.31 | 5.41 | 3.92 | | |
| | 4 | 5.399 | 5.349 | 5.449 | 3.91 | | |
| COLUMN 2 | 5 | 5.618 | 5.568 | 5.668 | 3.78 | 3.90 | 12.05 |
| Aroclor-1260 | 1 | 7.525 | 7.475 | 7.575 | 4.40 | | |
| | 2 | 7.778 | 7.728 | 7.828 | 4.29 | | |
| | 3 | 8.139 | 8.089 | 8.189 | 3.87 | | |
| COLUMN 1 | 4 | 8.376 | 8.326 | 8.426 | 4.00 | | |
| | 5 | 8.715 | 8.665 | 8.765 | 3.87 | 4.10 | |
| | 1 | 6.66 | 6.61 | 6.71 | 4.04 | | |
| | 2 | 6.847 | 6.797 | 6.897 | 4.05 | | |
| | 3 | 7.004 | 6.954 | 7.054 | 4.09 | | |
| | 4 | 7.478 | 7.428 | 7.528 | 3.66 | | |
| COLUMN 2 | 5 | 7.717 | 7.667 | 7.767 | 3.65 | 3.90 | 5 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164493BSD

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164493BSD Date(s) Analyzed: 10/29/2024 10/29/2024

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP068306.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.924 | 5.874 | 5.974 | 3.93 | | |
| | 2 | 5.943 | 5.893 | 5.993 | 4.94 | | |
| | 3 | 6.009 | 5.959 | 6.059 | 4.21 | | |
| COLUMN 1 | 4 | 6.108 | 6.058 | 6.158 | 4.30 | | |
| | 5 | 6.4 | 6.35 | 6.45 | 4.30 | 4.30 | |
| | 1 | 5.159 | 5.109 | 5.209 | 3.82 | | |
| | 2 | 5.179 | 5.129 | 5.229 | 3.89 | | |
| | 3 | 5.359 | 5.309 | 5.409 | 3.88 | | |
| | 4 | 5.399 | 5.349 | 5.449 | 3.90 | | |
| COLUMN 2 | 5 | 5.617 | 5.567 | 5.667 | 3.76 | 3.90 | 9.76 |
| Aroclor-1260 | 1 | 7.524 | 7.474 | 7.574 | 4.26 | | |
| | 2 | 7.777 | 7.727 | 7.827 | 4.19 | | |
| | 3 | 8.138 | 8.088 | 8.188 | 3.75 | | |
| COLUMN 1 | 4 | 8.376 | 8.326 | 8.426 | 4.00 | | |
| | 5 | 8.714 | 8.664 | 8.764 | 3.79 | 4.00 | |
| | 1 | 6.659 | 6.609 | 6.709 | 4.02 | | |
| | 2 | 6.846 | 6.796 | 6.896 | 4.01 | | |
| | 3 | 7.003 | 6.953 | 7.053 | 4.04 | | |
| | 4 | 7.478 | 7.428 | 7.528 | 3.56 | | |
| COLUMN 2 | 5 | 7.716 | 7.666 | 7.766 | 3.57 | 3.80 | 5.13 |

# QC SAMPLE DATA

Raw Data: **PO107441.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | |
| Client Sample ID: | PB164459BL | SDG No.: | P4578 |
| Lab Sample ID: | PB164459BL | 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 |
|---|---|---|---|---|
| PO107441.D | 1 | 10/28/24 08:30 | 10/28/24 17:58 | PB164459 |

| 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 | 21.7 | | 30 (32) - 150 (144) | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.8 | | 30 (32) - 150 (175) | 114% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107441.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:58
Operator : YP/AJ
Sample : PB164459BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB164459BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:44:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.644 | 191.2E6 | 69803672 | 20.984 | 21.688 |
| 2) | SA Decachlor... | 10.055 | 8.634 | 55996456 | 61506370 | 22.824 | 22.435 |
| | Target Compounds | | | | | | |

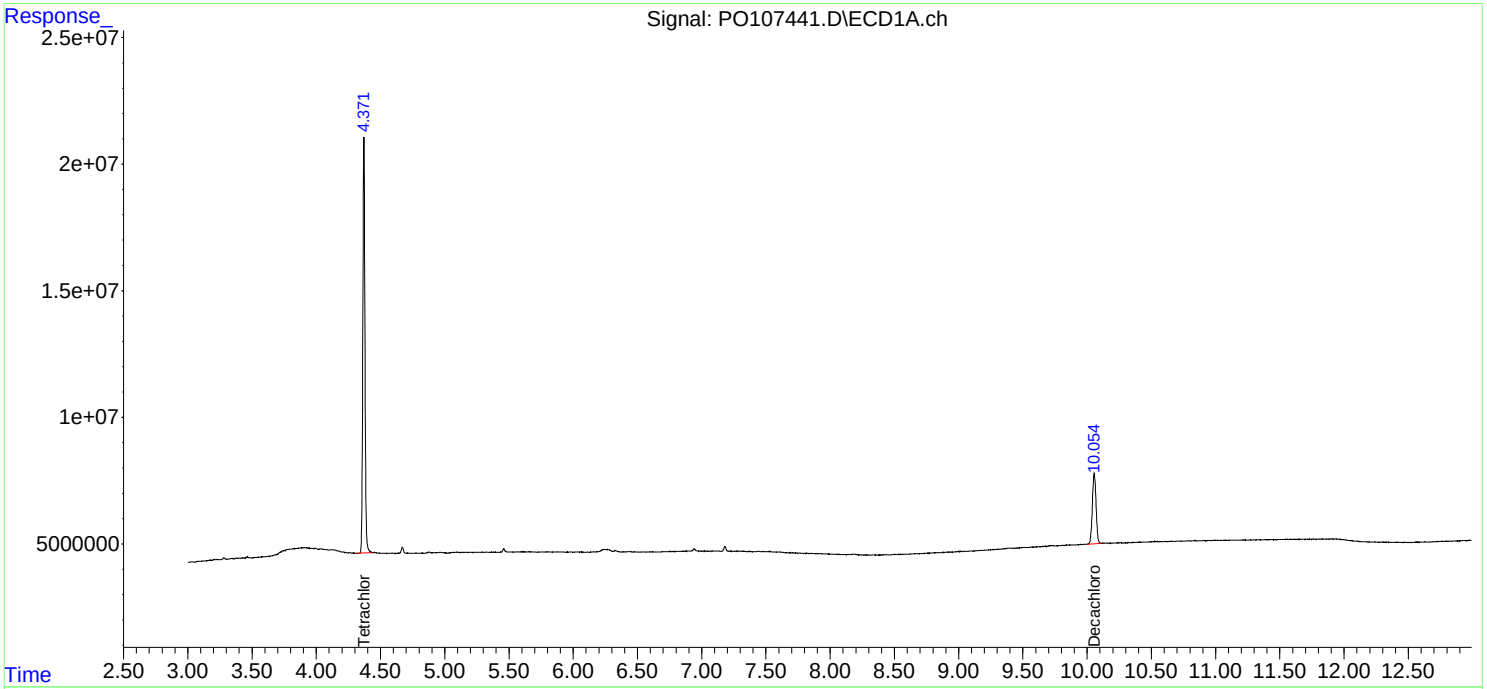
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

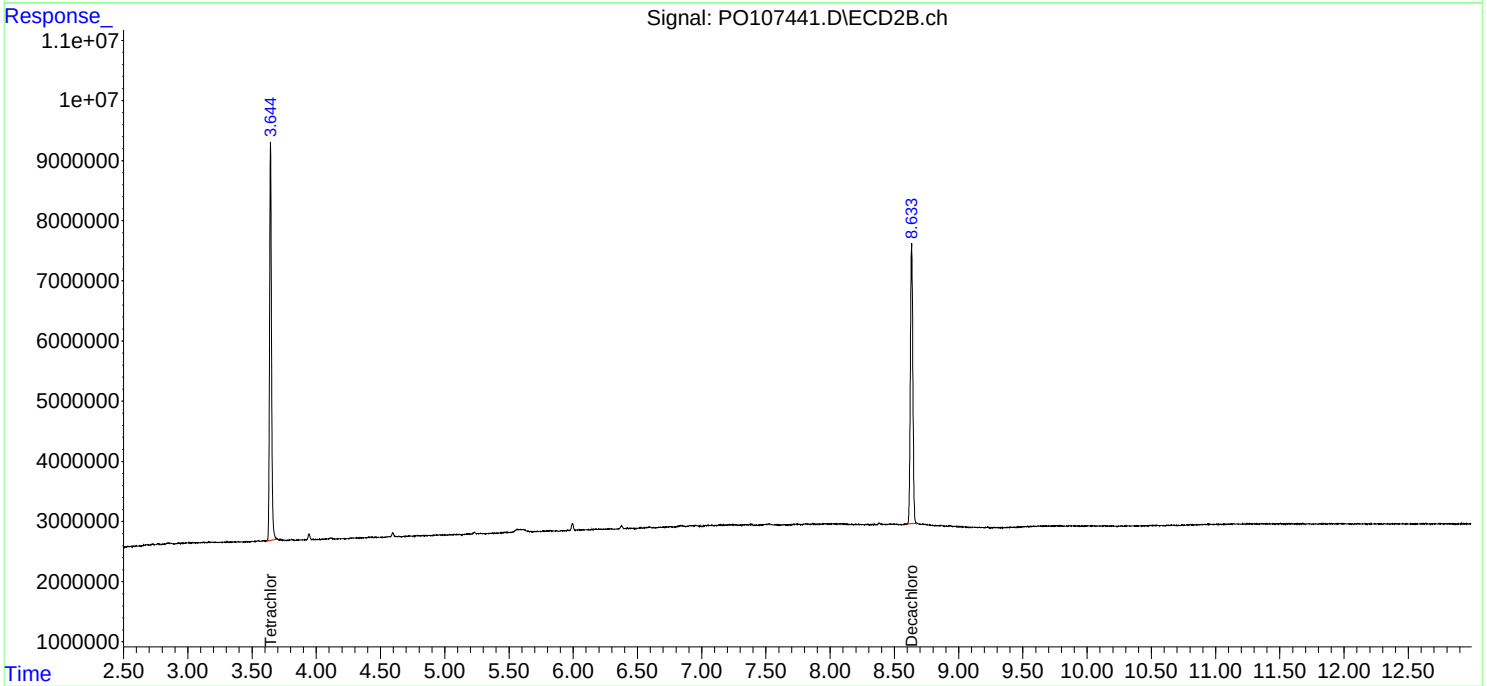
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:58
Operator : YP/AJ
Sample : PB164459BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

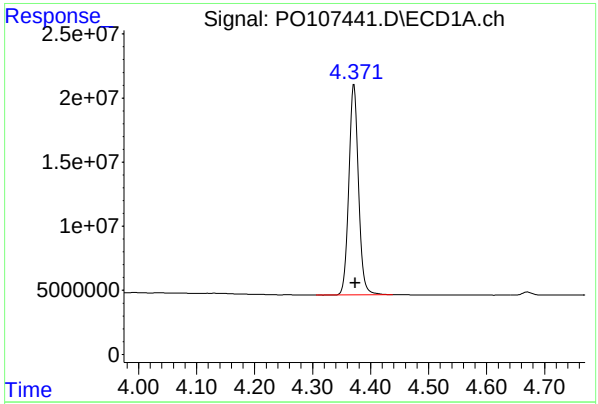
**Instrument :**
ECD_O
**ClientSampleId :**
PB164459BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:44:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



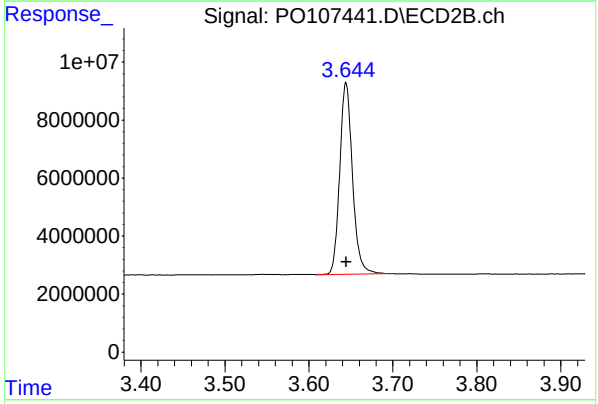






#1 Tetrachloro-m-xylene

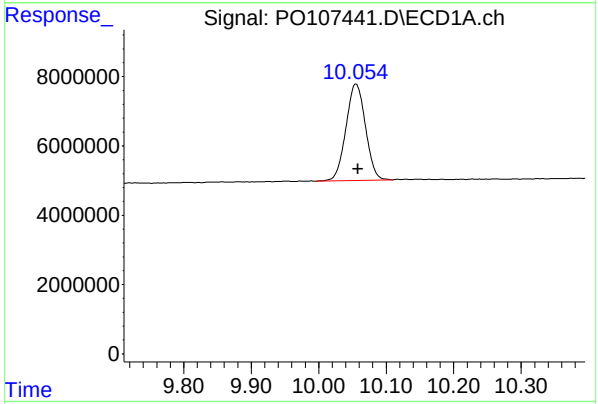
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 191241558
Conc: 20.98 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB164459BL



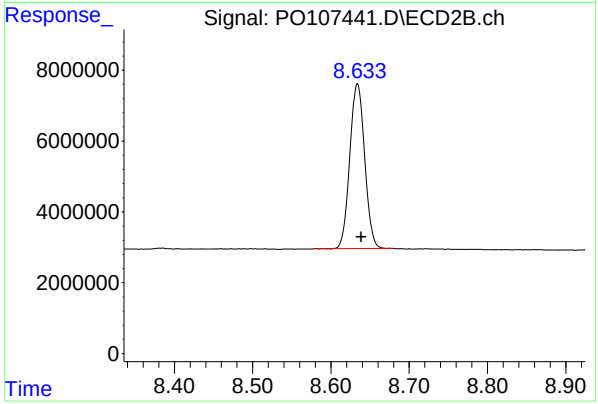

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 69803672
Conc: 21.69 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 55996456
Conc: 22.82 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 61506370
Conc: 22.43 ng/ml

Raw Data: **PP068304.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | |
| Client Sample ID: | PB164493BL | SDG No.: | P4578 |
| Lab Sample ID: | PB164493BL | 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 : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068304.D | 1 | 10/29/24 08:50 | 10/29/24 15:16 | PB164493 |

| 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 |
| 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 |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.4 | | 30 (10) - 150 (157) | 97% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.8 | | 30 (10) - 150 (173) | 109% | 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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 15:16
Operator : YP\AJ
Sample : PB164493BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB164493BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:34:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.763 | 4.055 | 17953025 | 18359465 | 19.395 | 18.170 |
| 2) | SA Decachlor... | 10.677 | 9.211 | 25088274 | 23504519 | 21.791 | 20.959 |
| | Target Compounds | | | | | | |

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

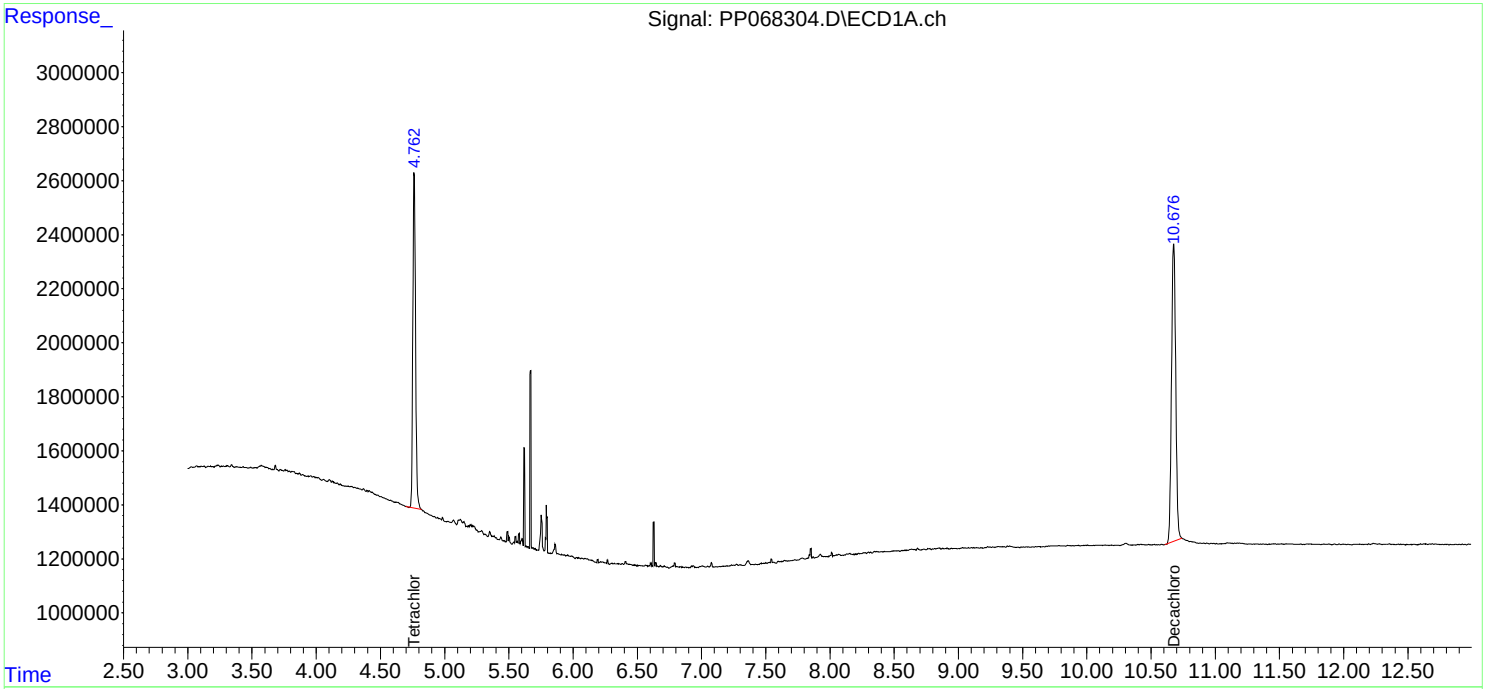
Sample Results: **PP068304.D**

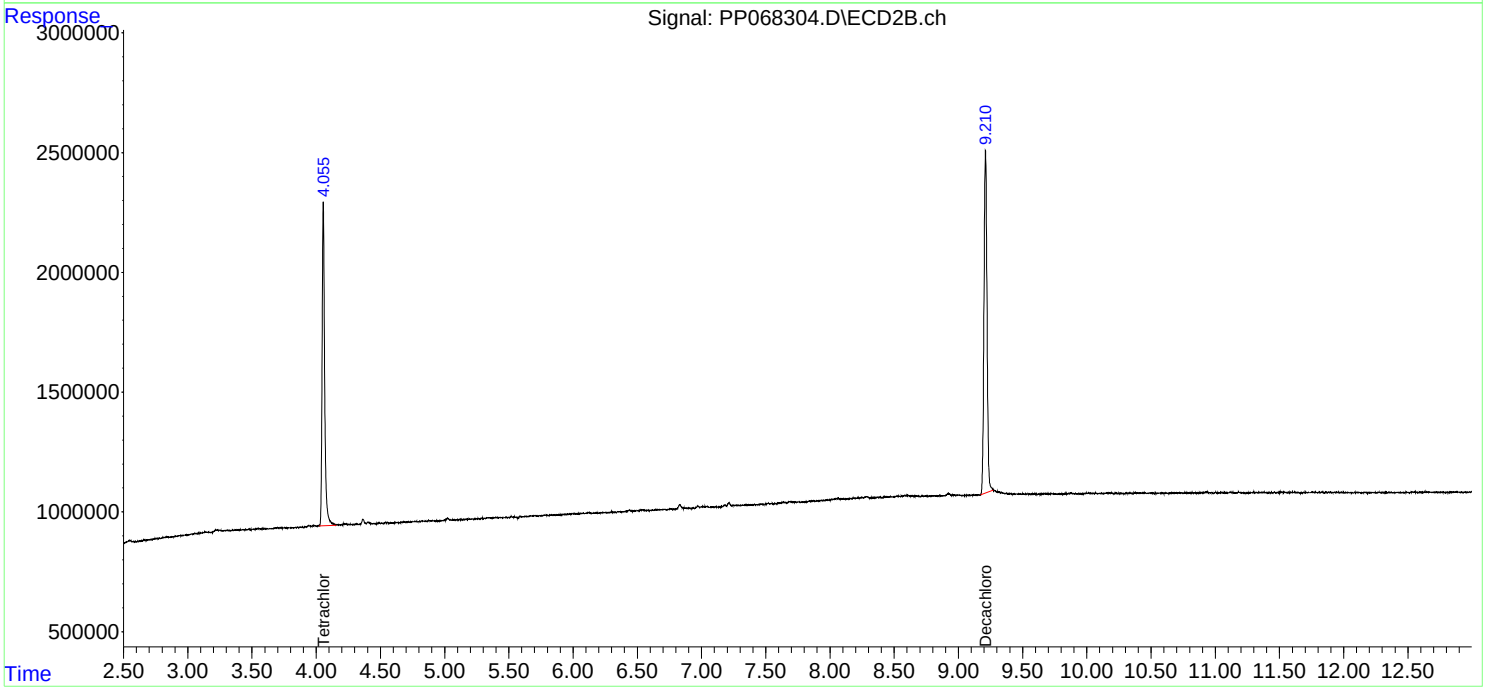
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 15:16
Operator : YP\AJ
Sample : PB164493BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

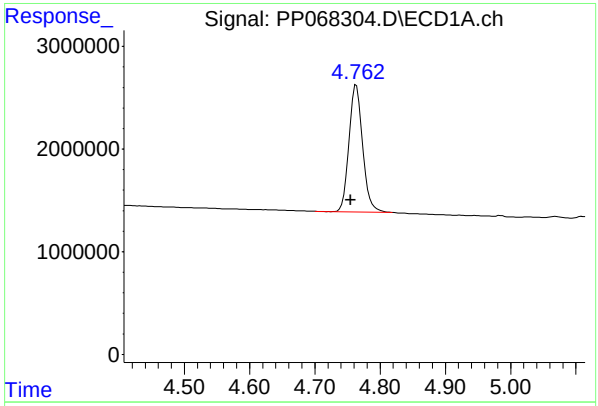
**Instrument :**
ECD_P
**ClientSampleId :**
PB164493BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:34:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



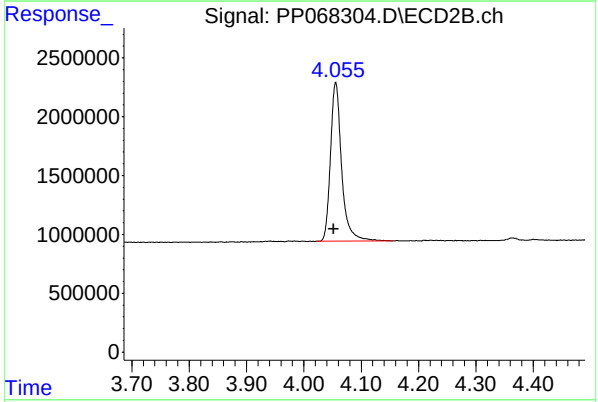






#1 Tetrachloro-m-xylene

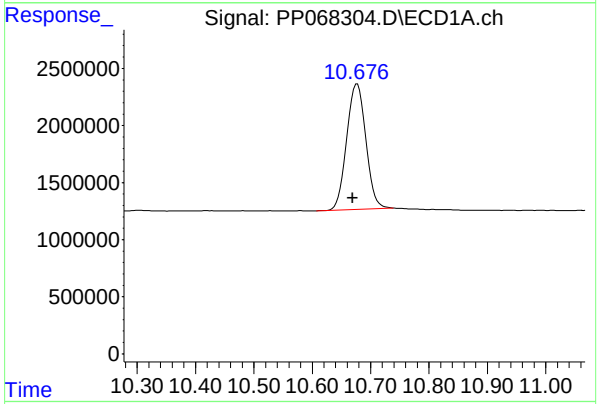
R.T.: 4.763 min
Delta R.T.: 0.008 min
Response: 17953025
Conc: 19.40 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB164493BL



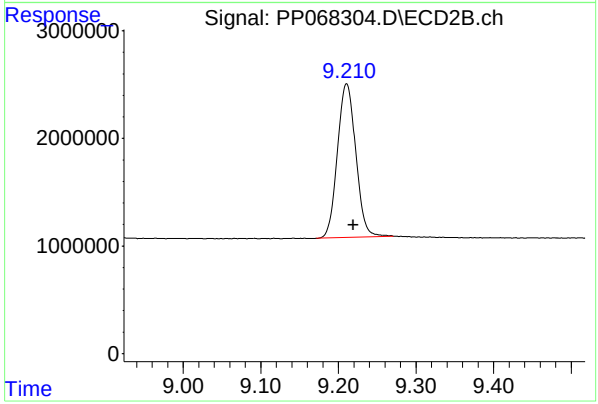

#1 Tetrachloro-m-xylene

R.T.: 4.055 min
Delta R.T.: 0.003 min
Response: 18359465
Conc: 18.17 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.677 min
Delta R.T.: 0.008 min
Response: 25088274
Conc: 21.79 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 23504519
Conc: 20.96 ng/ml

Raw Data: **PO107183.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/15/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/15/24 |
| Client Sample ID: | PIBLK-PO107183.D | SDG No.: | P4578 |
| Lab Sample ID: | I.BLK-PO107183.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 |
|---|---|---|---|---|
| PO107183.D | 1 | | 10/15/24 | po101524 |

| 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 | 22.1 | | 70 (60) - 130 (140) | 110% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.8 | | 70 (60) - 130 (140) | 114% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107183.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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... | 4.373 | 3.644 | 204.9E6 | 71065652 | 22.480 | 22.080 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 57445703 | 62504934 | 23.415 | 22.799 |
| | Target Compounds | | | | | | |

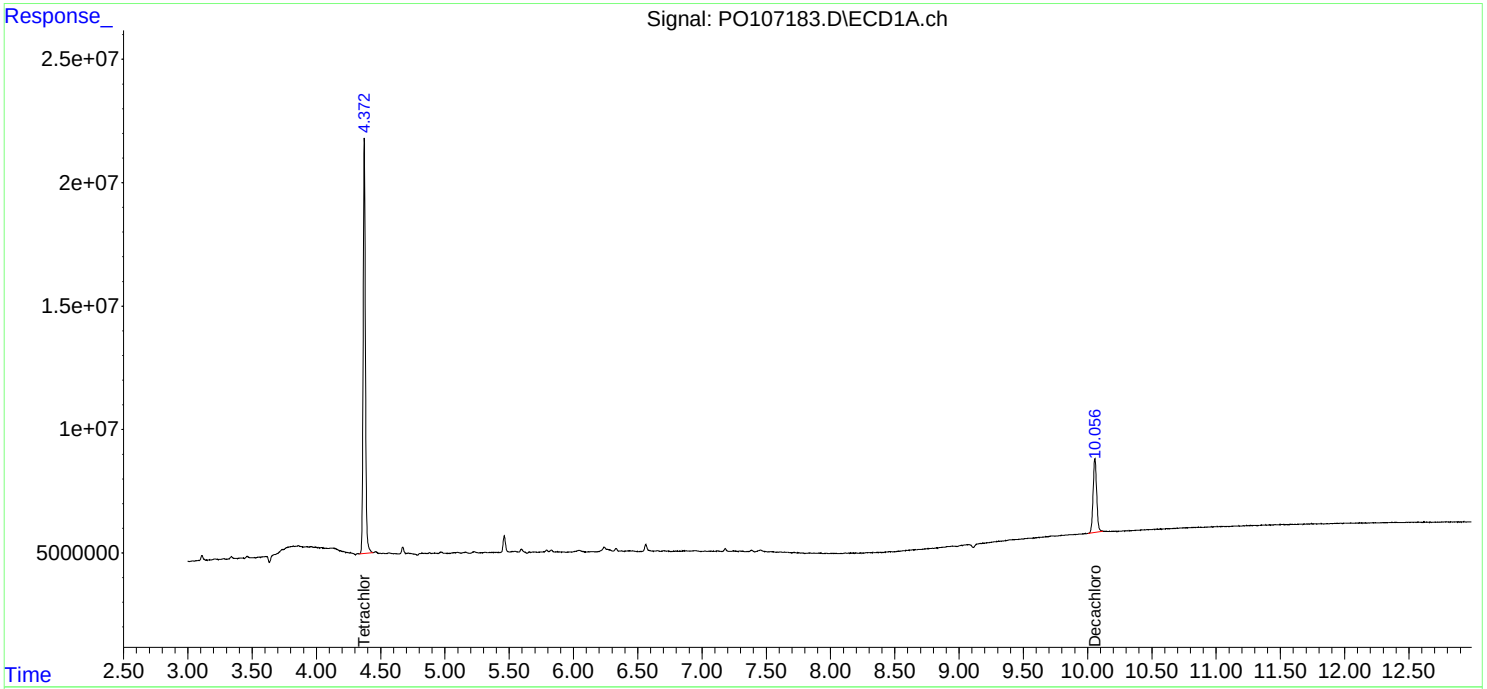
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

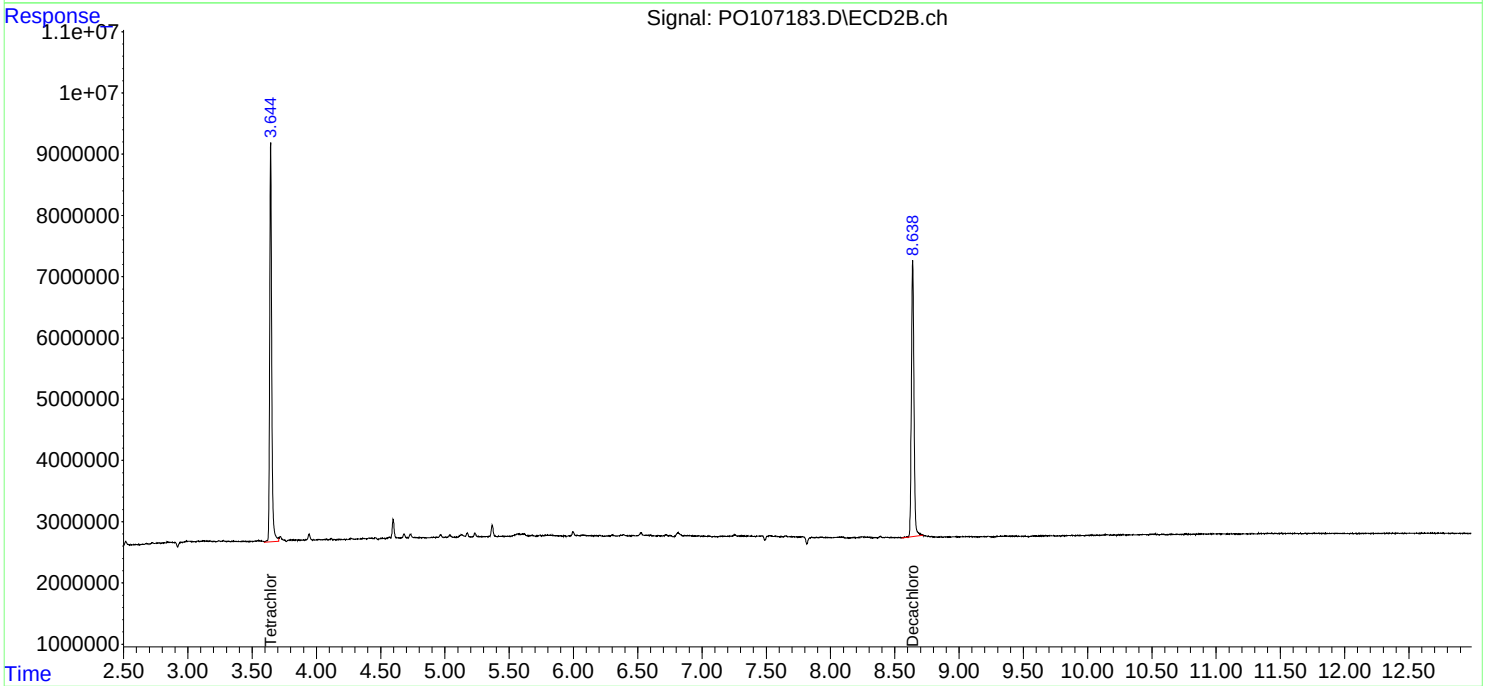
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

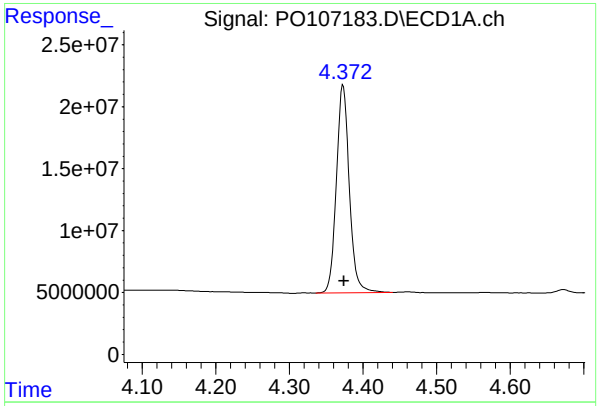
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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



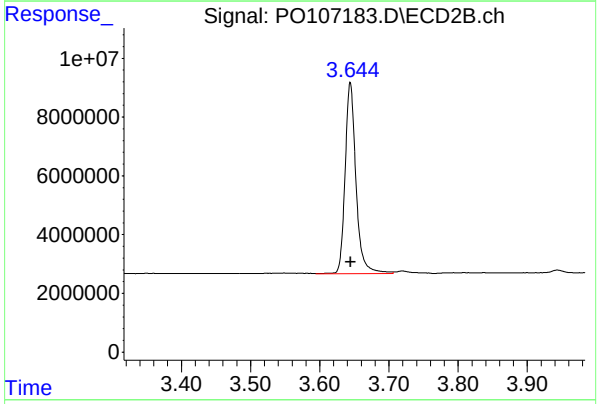






#1 Tetrachloro-m-xylene

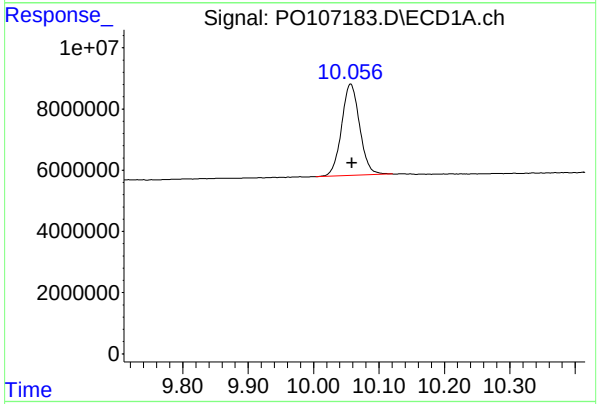
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 204884980
Conc: 22.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



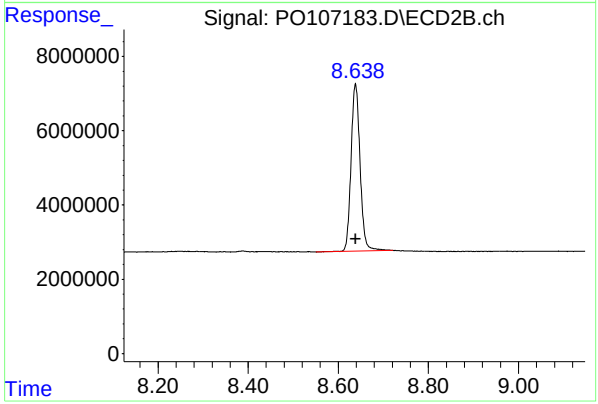

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 71065652
Conc: 22.08 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.002 min
Response: 57445703
Conc: 23.41 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 62504934
Conc: 22.80 ng/ml

Raw Data: **PO107440.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/28/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/28/24 |
| Client Sample ID: | PIBLK-PO107440.D | SDG No.: | P4578 |
| Lab Sample ID: | I.BLK-PO107440.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 |
|---|---|---|---|---|
| PO107440.D | 1 | | 10/28/24 | po102824 |

| 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 | 19.9 | | 70 (60) - 130 (140) | 100% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.4 | | 70 (60) - 130 (140) | 102% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107440.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:40
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:44:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.644 | 181.9E6 | 65986971 | 19.955 | 20.502 |
| 2) | SA Decachlor... | 10.058 | 8.634 | 50293257 | 55916642 | 20.500 | 20.396 |
| | Target Compounds | | | | | | |

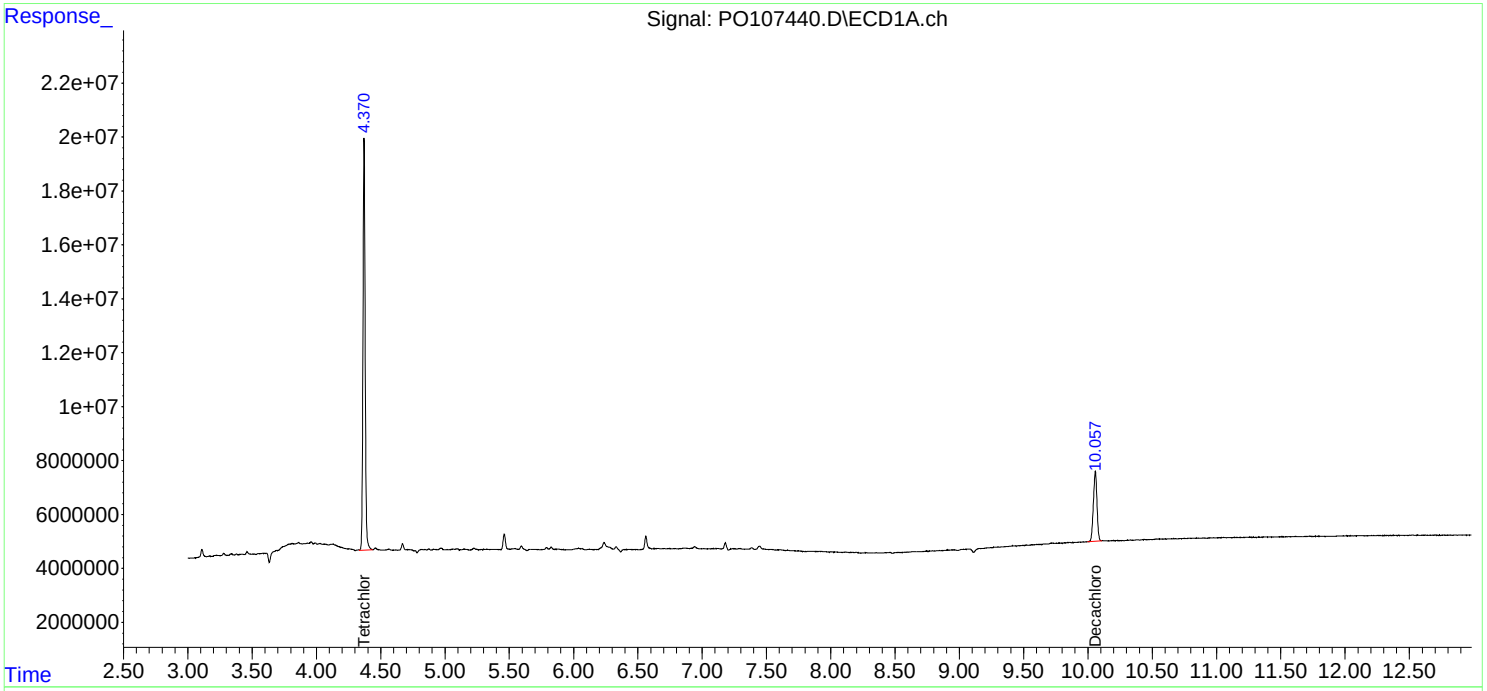
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

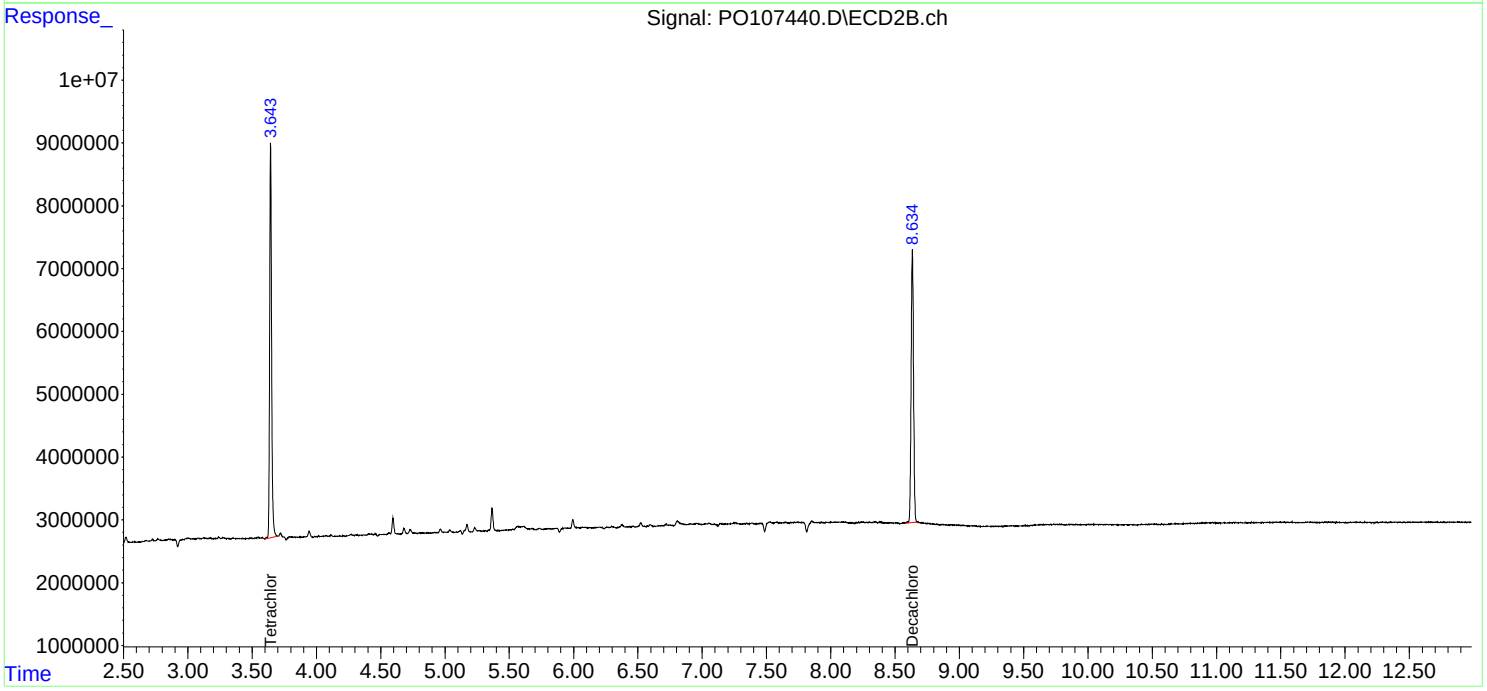
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:40
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

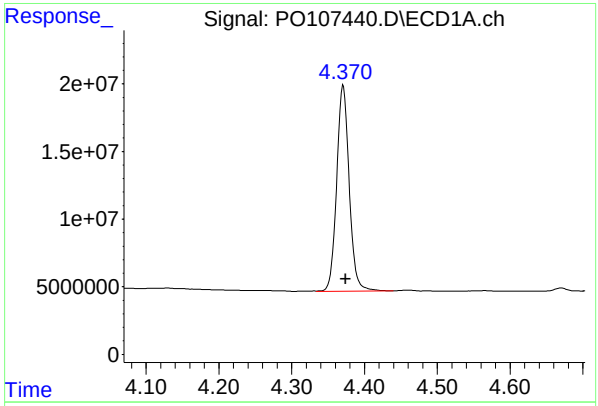
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:44:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



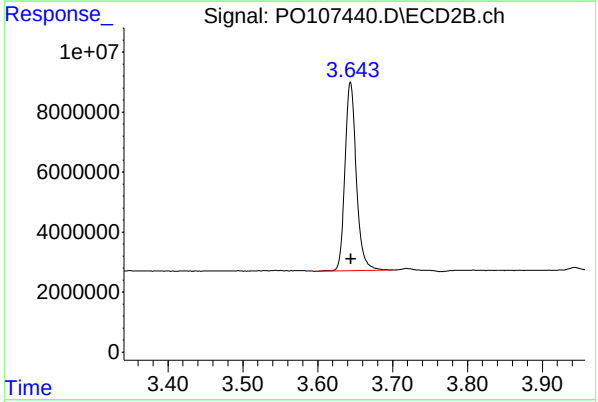






#1 Tetrachloro-m-xylene

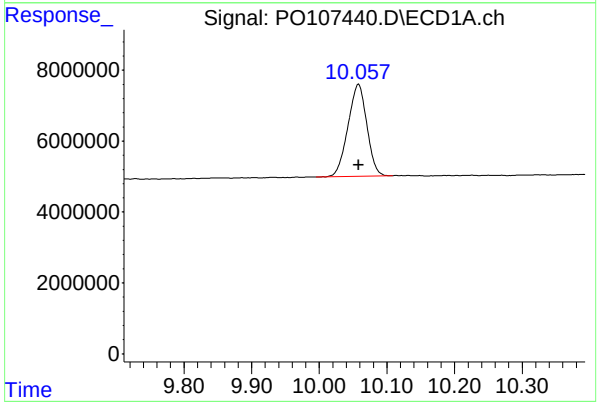
R.T.: 4.371 min
Delta R.T.: -0.003 mi
Response: 181866622
Conc: 19.95 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



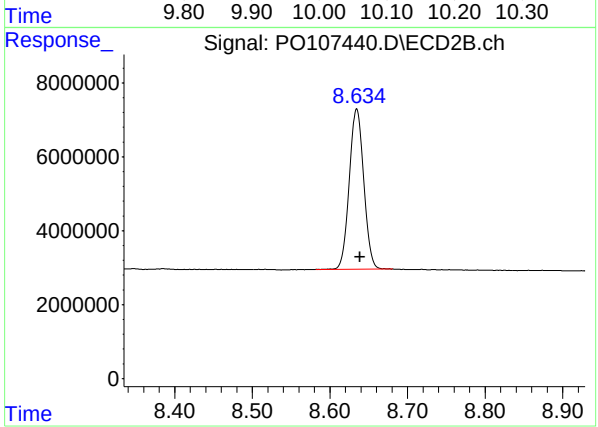

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 65986971
Conc: 20.50 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 50293257
Conc: 20.50 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.004 min
Response: 55916642
Conc: 20.40 ng/ml

Raw Data: **PO107455.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/28/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/28/24 |
| Client Sample ID: | PIBLK-PO107455.D | SDG No.: | P4578 |
| Lab Sample ID: | I.BLK-PO107455.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 |
|---|---|---|---|---|
| PO107455.D | 1 | | 10/28/24 | po102824 |

| 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 | 19.6 | | 70 (60) - 130 (140) | 98% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.9 | | 70 (60) - 130 (140) | 85% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107455.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 22:39
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:53:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.644 | 178.3E6 | 65125479 | 19.565 | 20.235 |
| 2) | SA Decachlor... | 10.055 | 8.634 | 45991208 | 46337180 | 18.746 | 16.902 |
| | Target Compounds | | | | | | |

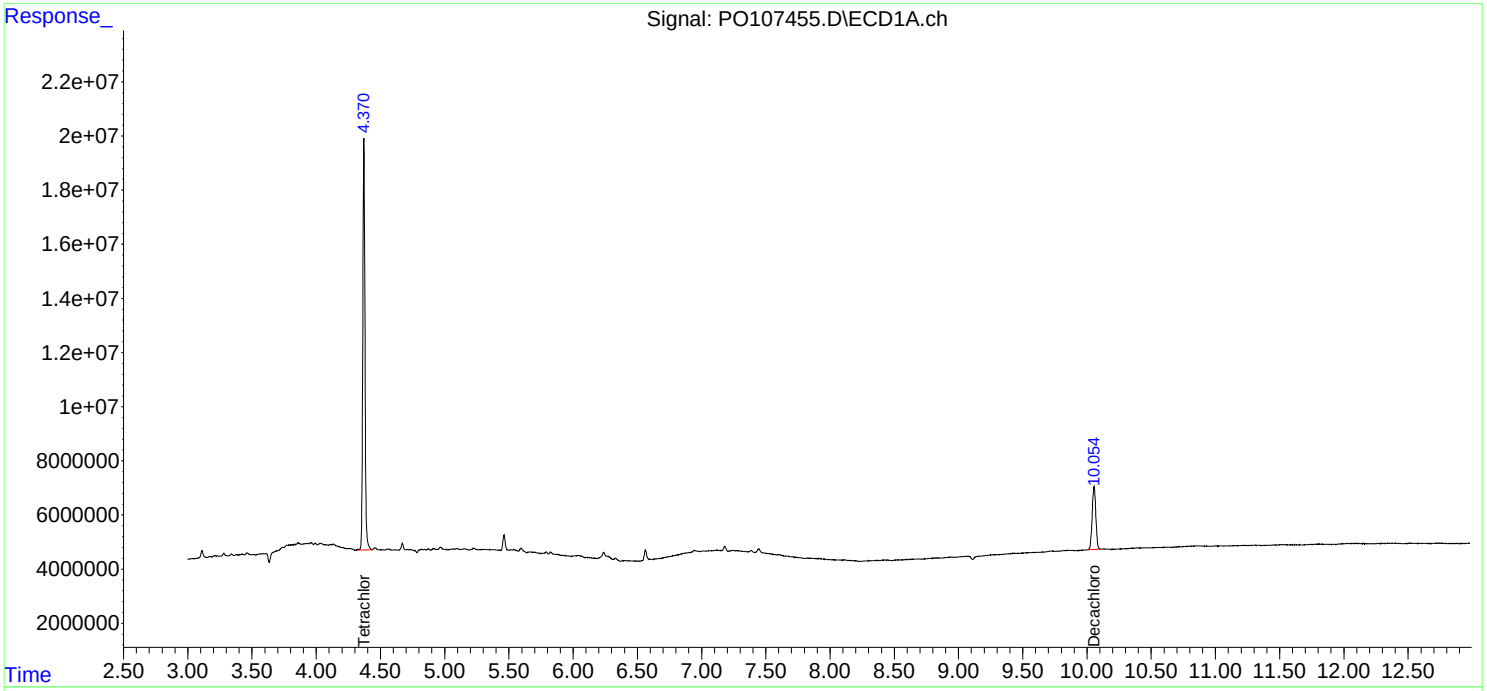
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

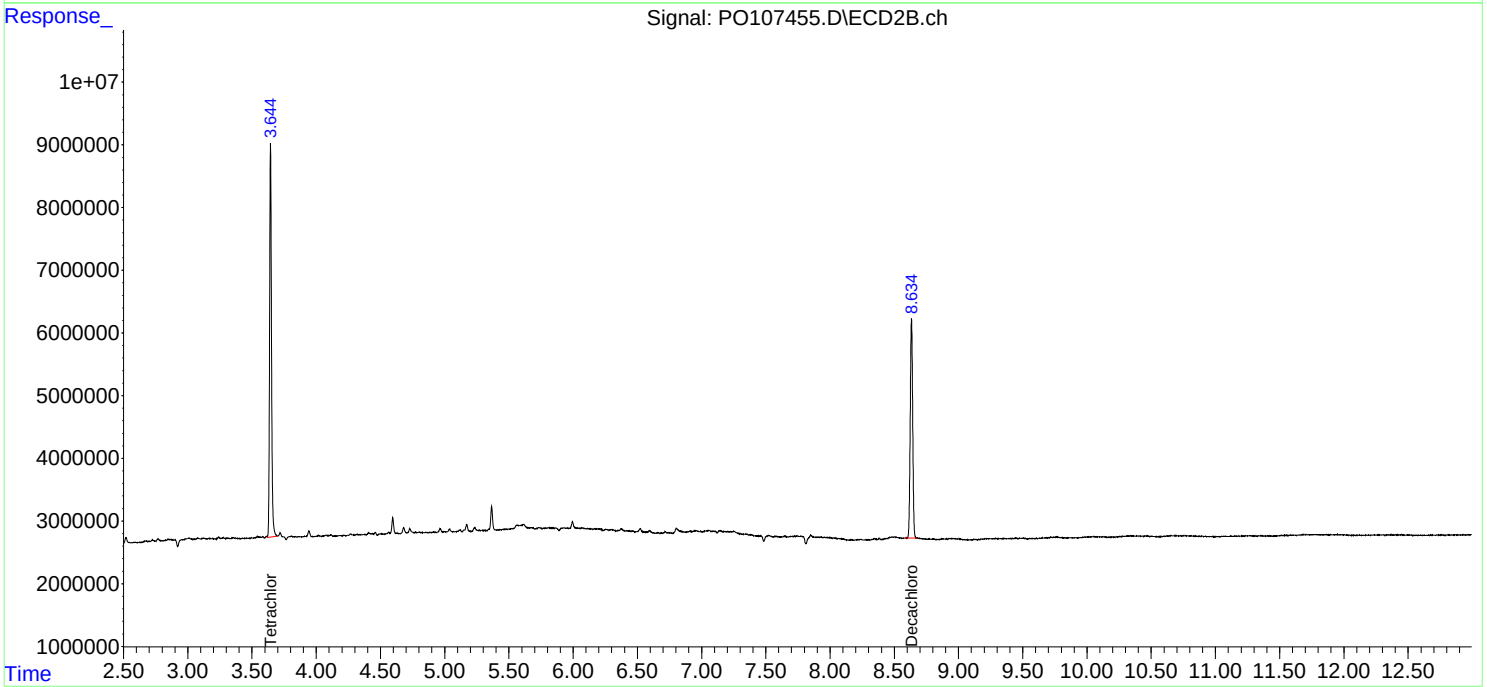
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 22:39
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

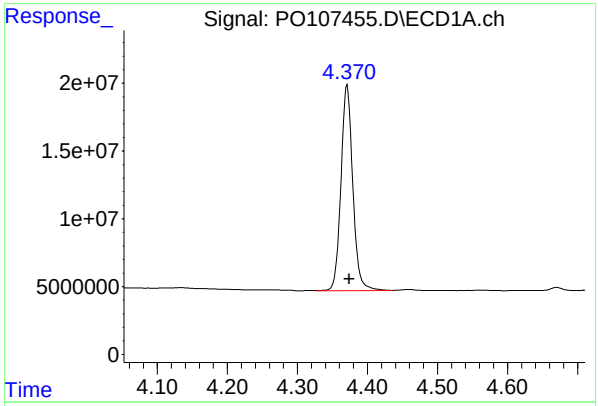
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:53:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



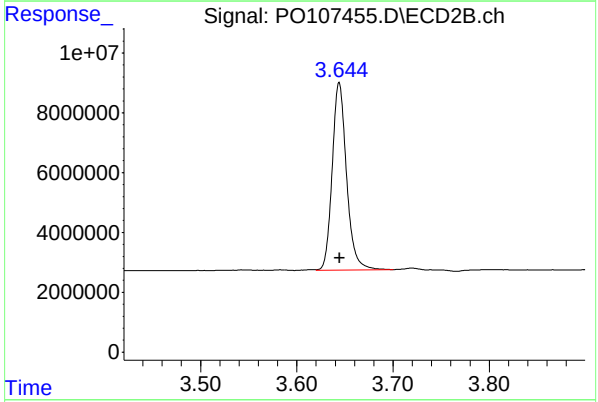






#1 Tetrachloro-m-xylene

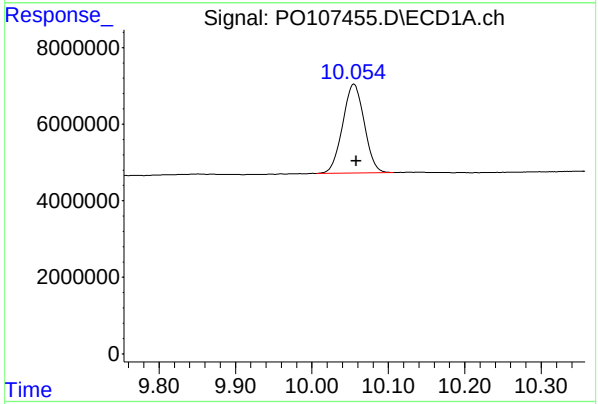
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 178315601
Conc: 19.57 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



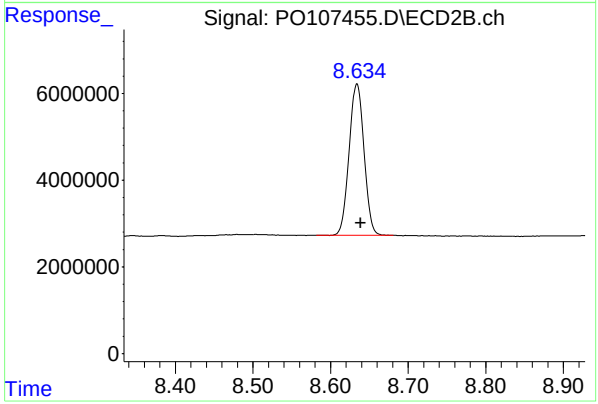

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 65125479
Conc: 20.23 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 45991208
Conc: 18.75 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 46337180
Conc: 16.90 ng/ml

Raw Data: **PO107468.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/29/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/29/24 |
| Client Sample ID: | PIBLK-PO107468.D | SDG No.: | P4578 |
| Lab Sample ID: | I.BLK-PO107468.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 |
|---|---|---|---|---|
| PO107468.D | 1 | | 10/29/24 | po102824 |

| 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 | 19.8 | | 70 (60) - 130 (140) | 99% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.5 | | 70 (60) - 130 (140) | 87% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107468.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 03:02
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 05:19:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.644 | 180.1E6 | 66393264 | 19.760 | 20.629 |
| 2) | SA Decachlor... | 10.055 | 8.632 | 47199498 | 47880349 | 19.239 | 17.464 |
| | Target Compounds | | | | | | |

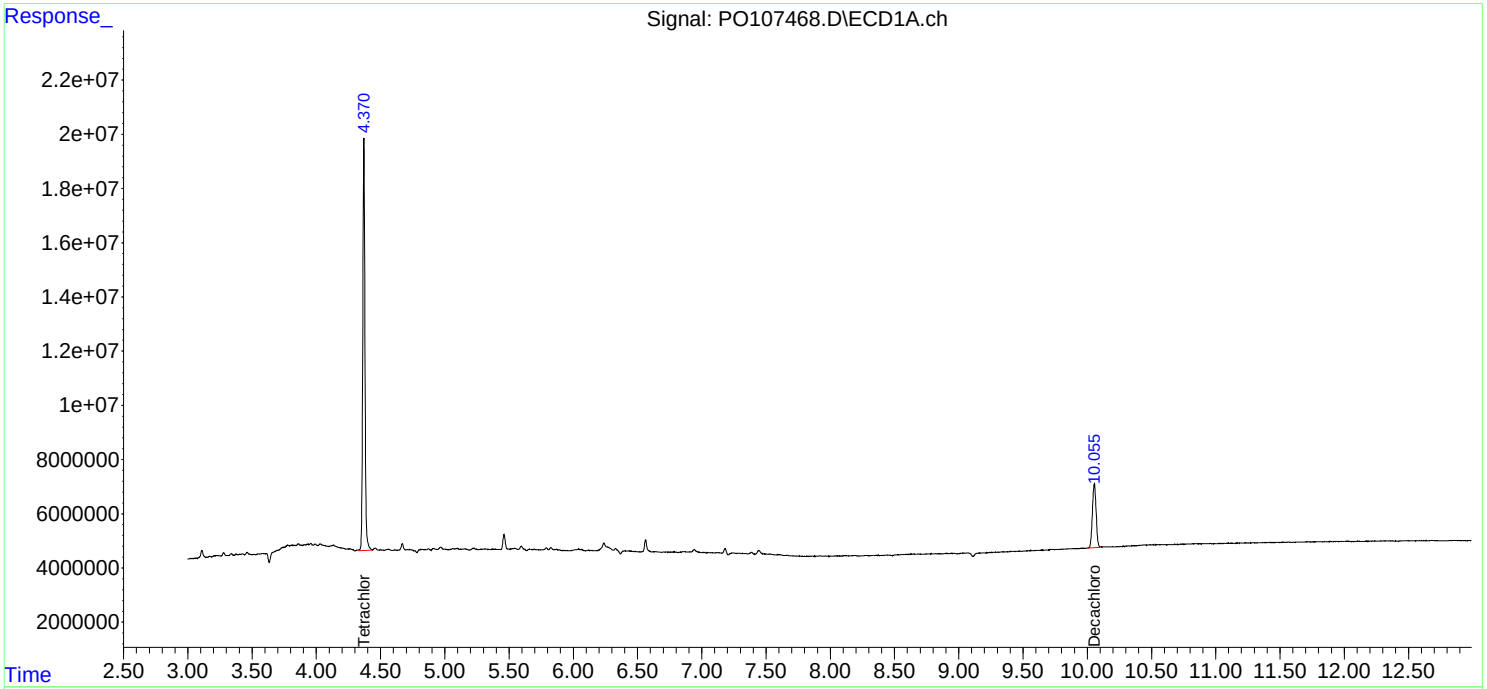
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

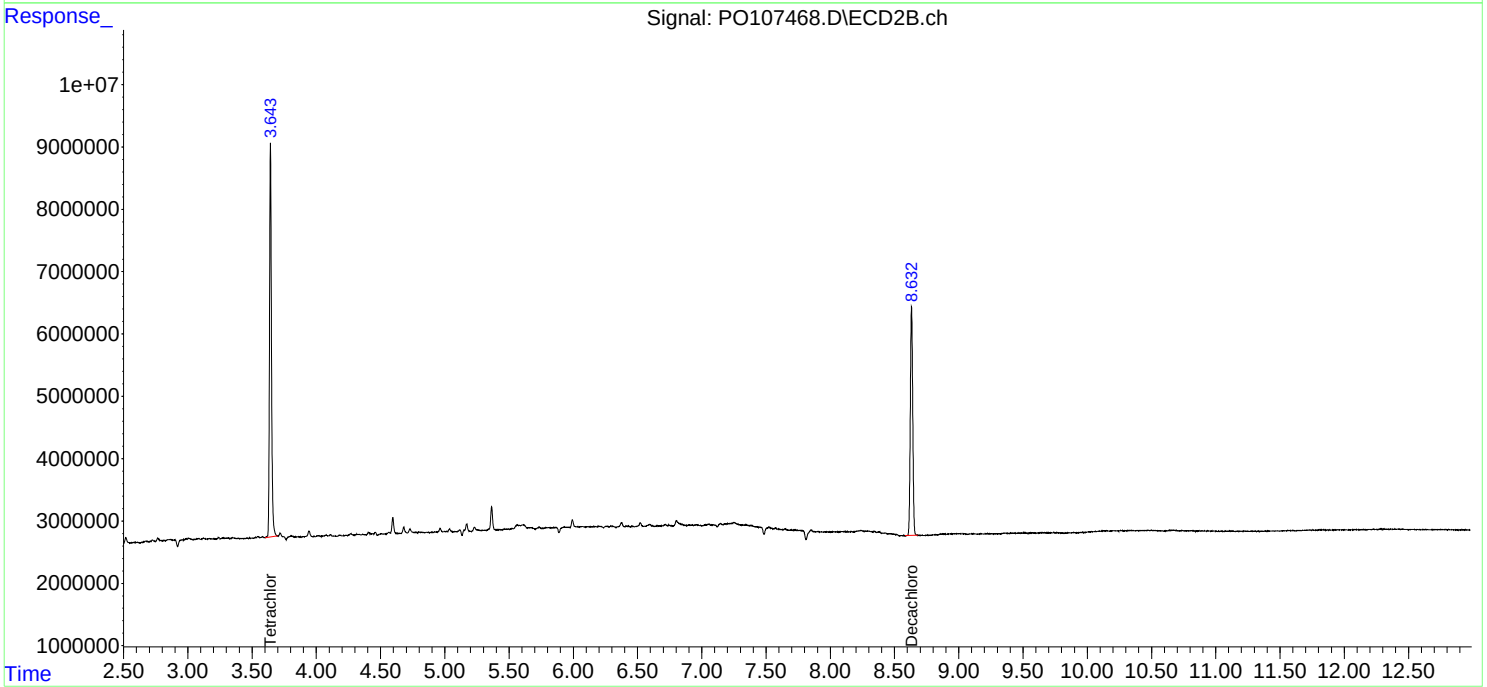
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 03:02
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

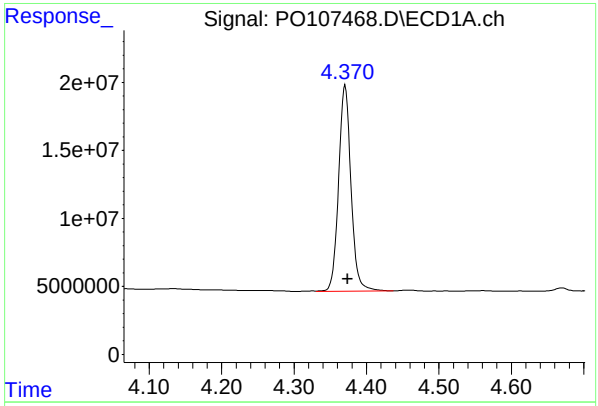
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 05:19:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



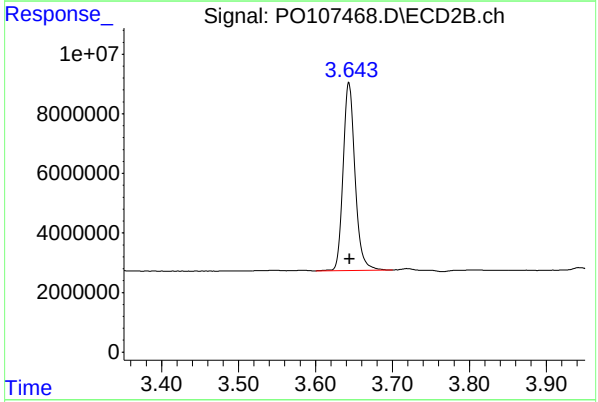






#1 Tetrachloro-m-xylene

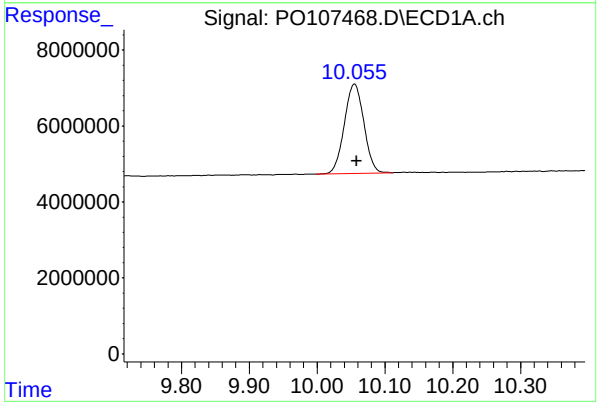
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 180090104
Conc: 19.76 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



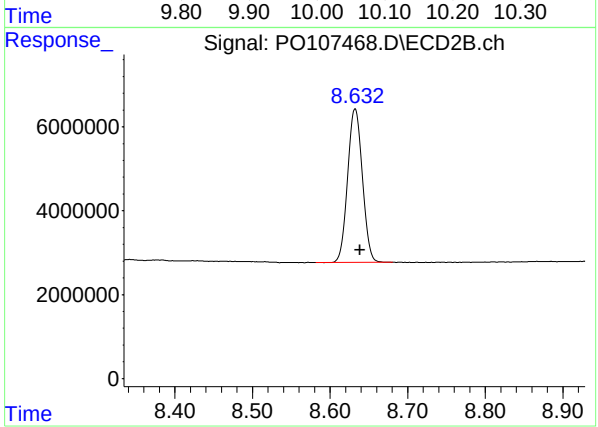

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: -0.001 min
Response: 66393264
Conc: 20.63 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 47199498
Conc: 19.24 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.632 min
Delta R.T.: -0.006 min
Response: 47880349
Conc: 17.46 ng/ml

Raw Data: **PP067586.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/08/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/08/24 |
| Client Sample ID: | PIBLK-PP067586.D | SDG No.: | P4578 |
| Lab Sample ID: | I.BLK-PP067586.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 |
|---|---|---|---|---|
| PP067586.D | 1 | | 10/08/24 | pp100824 |

| 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 | 21.1 | | 70 (60) - 130 (140) | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 23.5 | | 70 (60) - 130 (140) | 117% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PP067586.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:50:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.754 | 4.052 | 19509395 | 22280537 | 21.077 | 22.051 |
| 2) | SA Decachlor... | 10.665 | 9.218 | 27200282 | 26328613 | 23.626 | 23.477 |
| | Target Compounds | | | | | | |

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

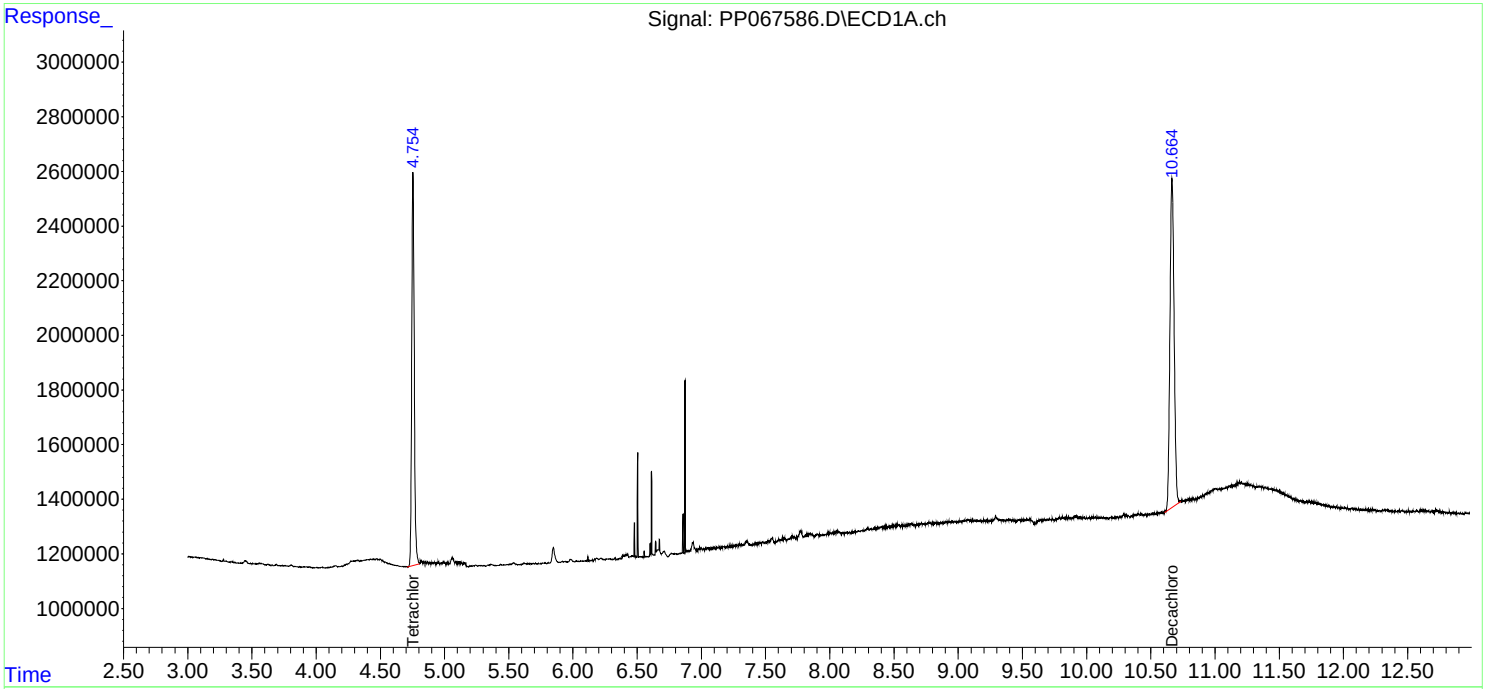
Sample Results: **PP067586.D**

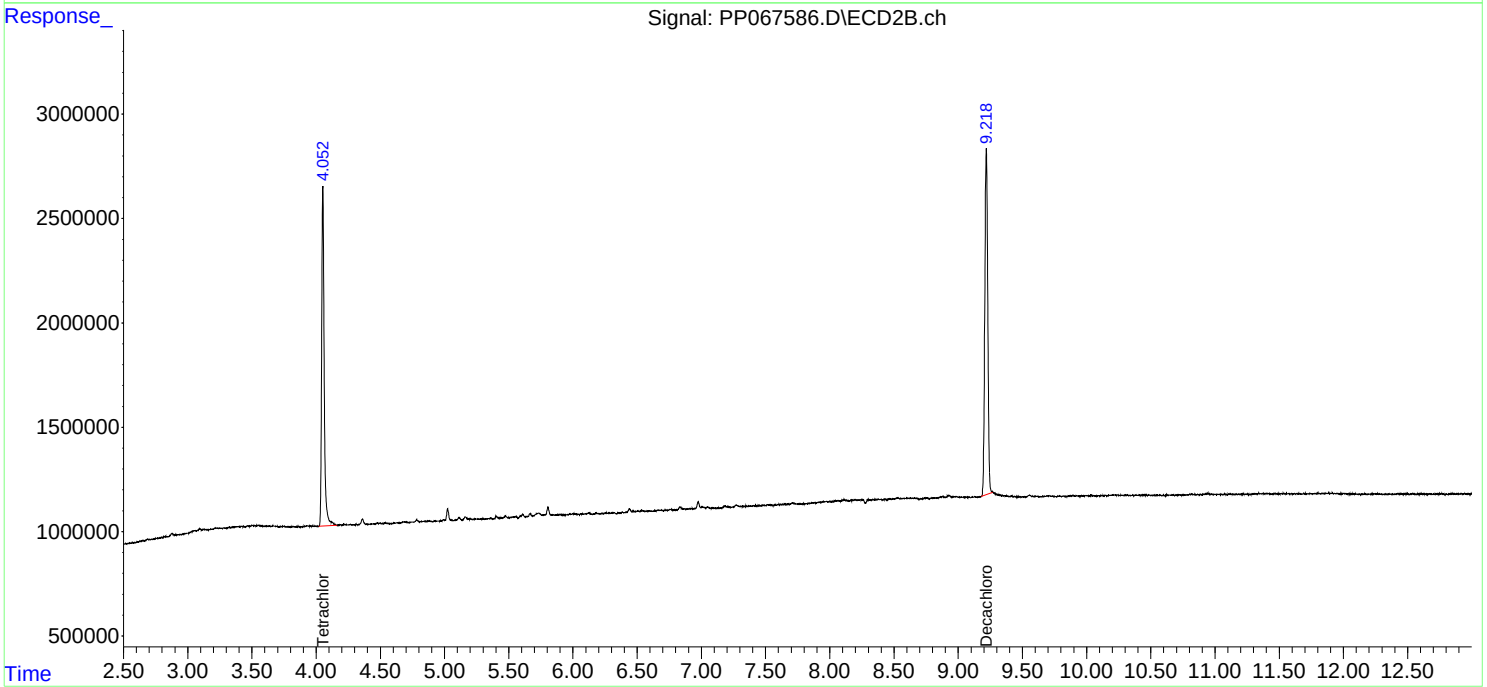
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

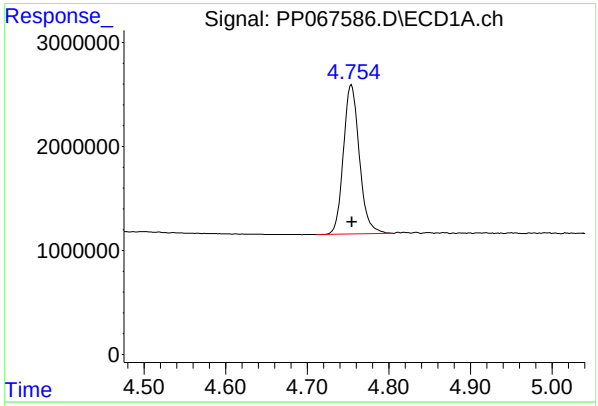
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:50:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



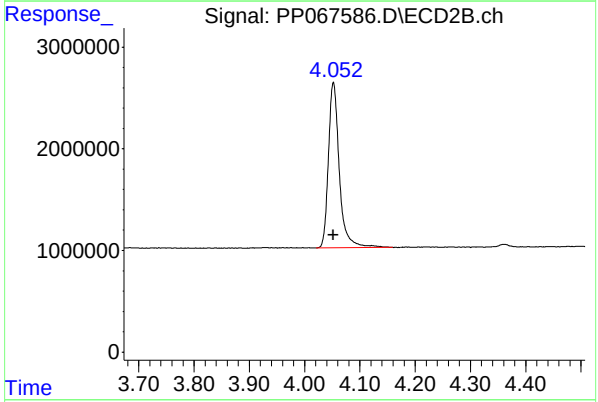






#1 Tetrachloro-m-xylene

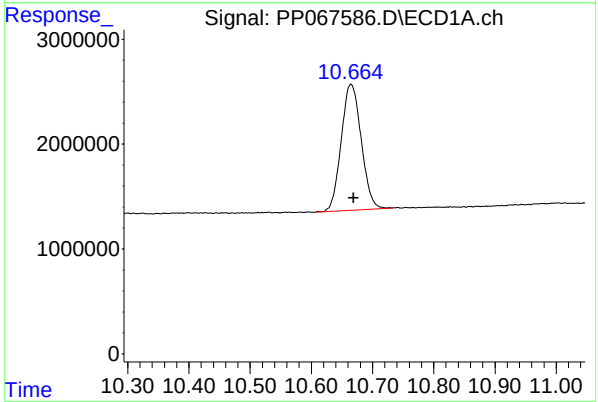
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 19509395
Conc: 21.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I,BLK



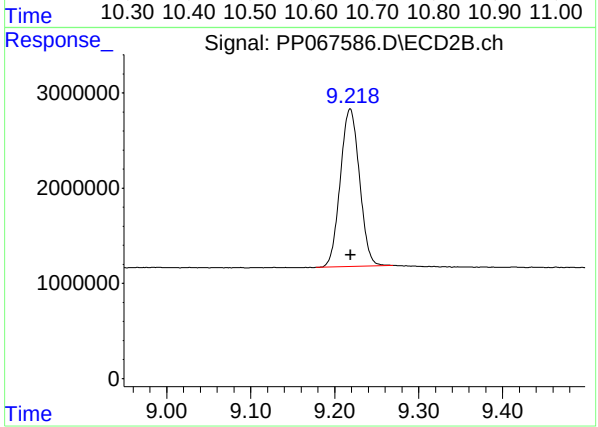

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 22280537
Conc: 22.05 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: -0.004 min
Response: 27200282
Conc: 23.63 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 26328613
Conc: 23.48 ng/ml

Raw Data: **PP068303.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/29/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/29/24 |
| Client Sample ID: | PIBLK-PP068303.D | SDG No.: | P4578 |
| Lab Sample ID: | I.BLK-PP068303.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 |
|---|---|---|---|---|
| PP068303.D | 1 | | 10/29/24 | PP102924 |

| 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 | 17.4 | | 70 (60) - 130 (140) | 87% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.7 | | 70 (60) - 130 (140) | 104% | 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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 13:45
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:34:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.759 | 4.052 | 18999867 | 17611764 | 20.526 | 17.430 |
| 2) | SA Decachlor... | 10.667 | 9.207 | 25293118 | 23225516 | 21.969 | 20.710 |
| | Target Compounds | | | | | | |

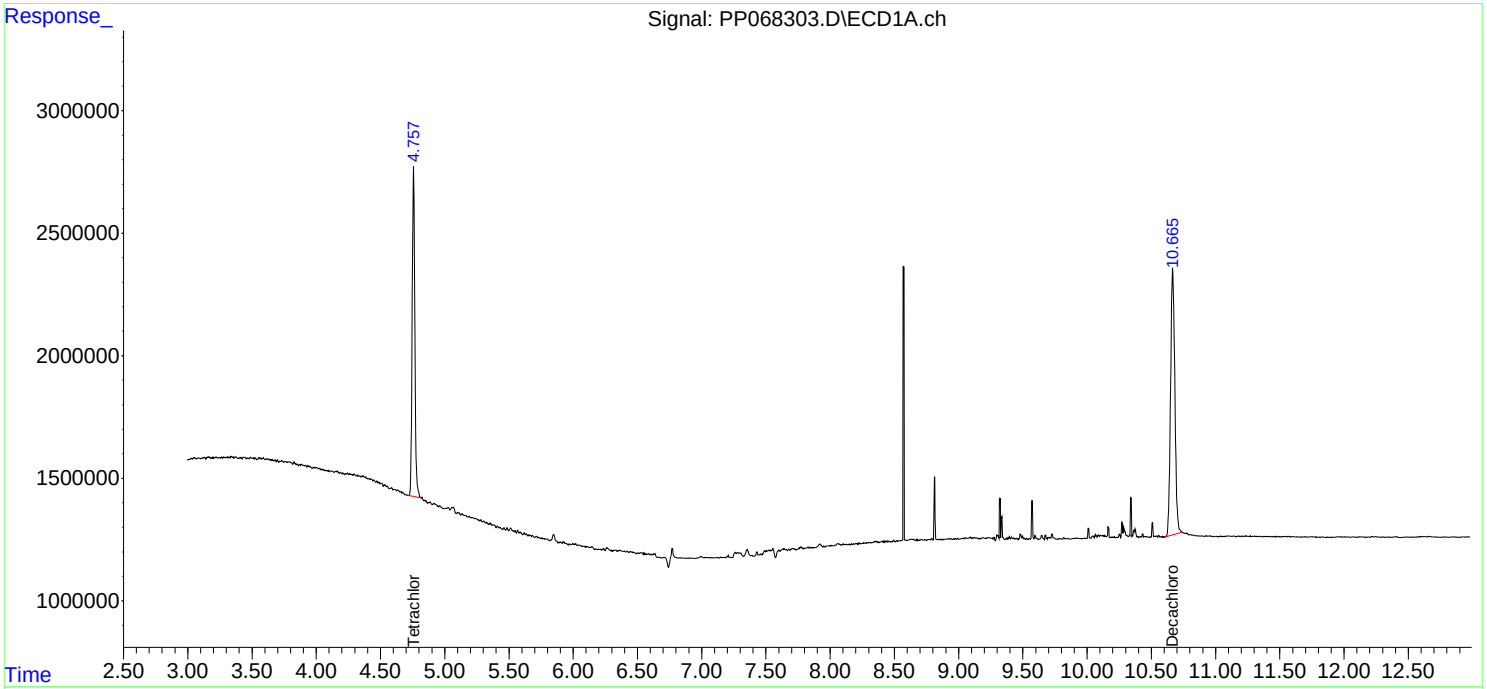
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

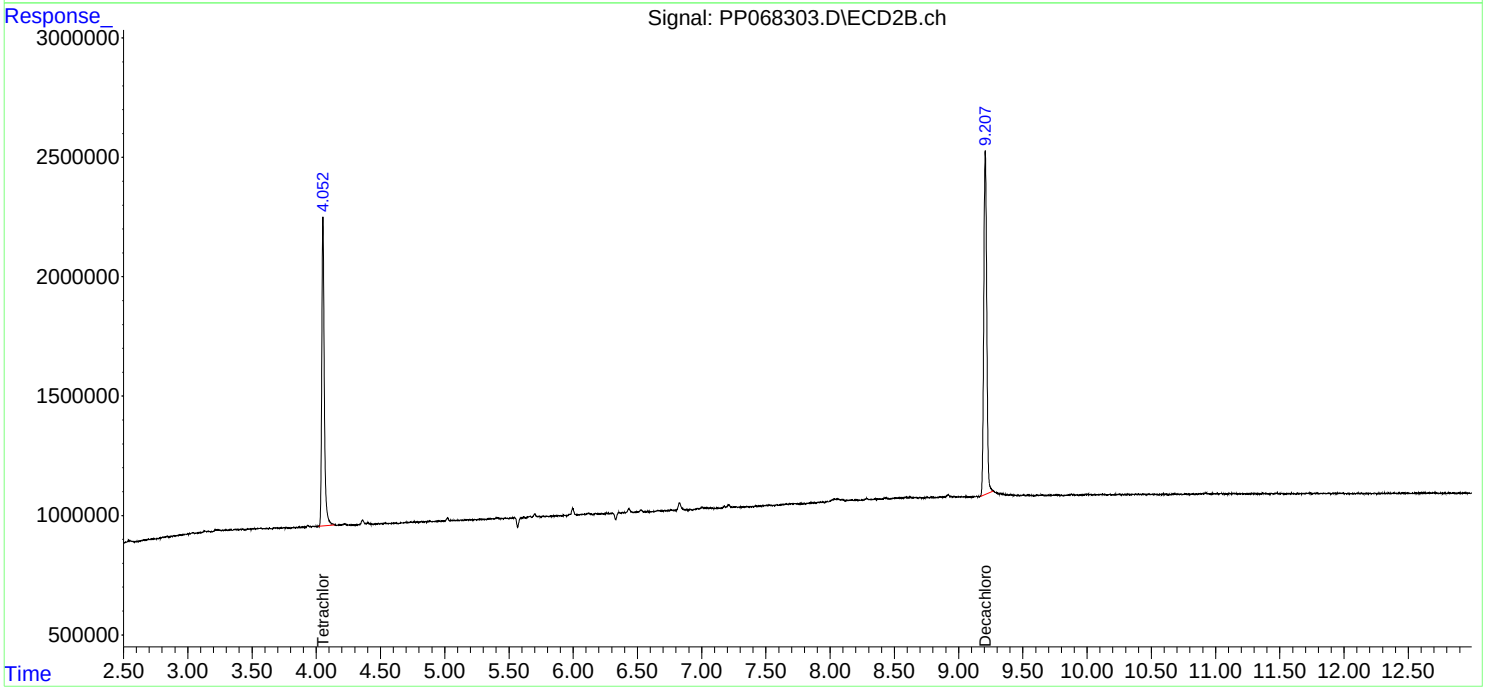
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 13:45
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

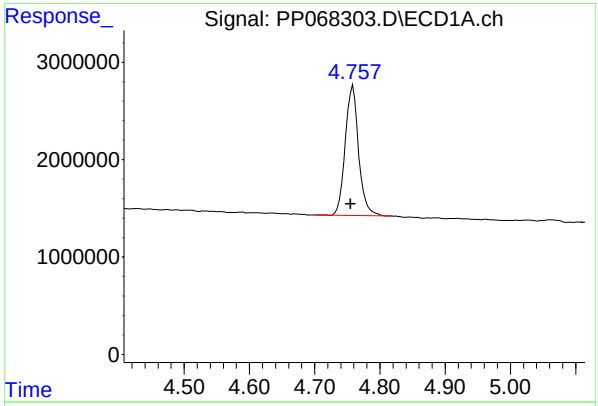
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:34:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



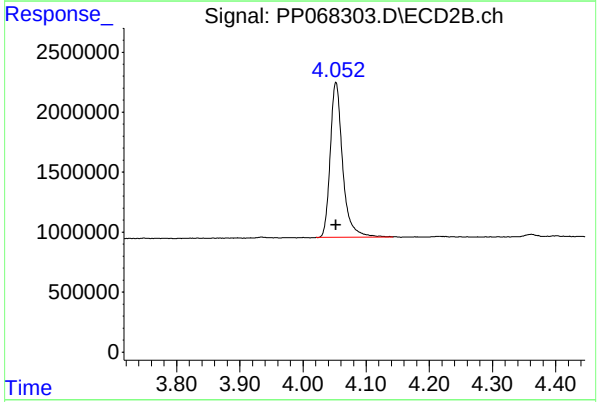






#1 Tetrachloro-m-xylene

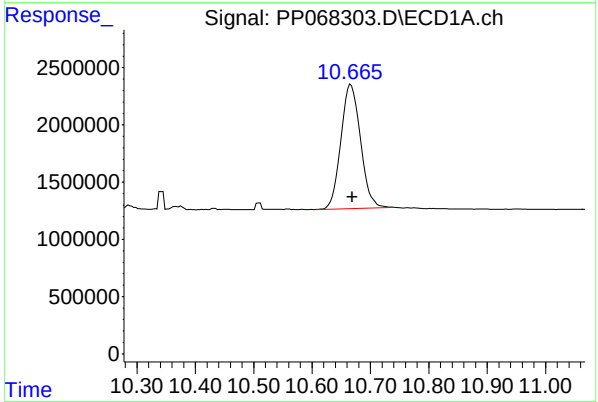
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 18999867
Conc: 20.53 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



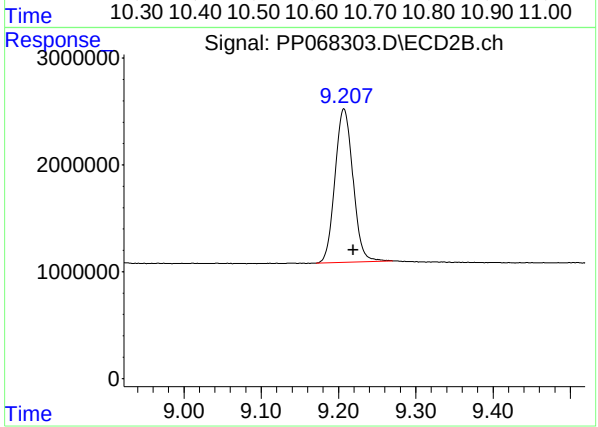

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 17611764
Conc: 17.43 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: -0.002 min
Response: 25293118
Conc: 21.97 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.207 min
Delta R.T.: -0.012 min
Response: 23225516
Conc: 20.71 ng/ml

Raw Data: **PP068316.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/29/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/29/24 |
| Client Sample ID: | PIBLK-PP068316.D | SDG No.: | P4578 |
| Lab Sample ID: | I.BLK-PP068316.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 |
|---|---|---|---|---|
| PP068316.D | 1 | | 10/29/24 | PP102924 |

| 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 | 18.1 | | 70 (60) - 130 (140) | 91% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.5 | | 70 (60) - 130 (140) | 108% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PP068316.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 18:53
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:00:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.762 | 4.053 | 18627319 | 18332974 | 20.124 | 18.144 |
| 2) | SA Decachlor... | 10.671 | 9.207 | 25319659 | 24151356 | 21.992 | 21.536 |
| | Target Compounds | | | | | | |

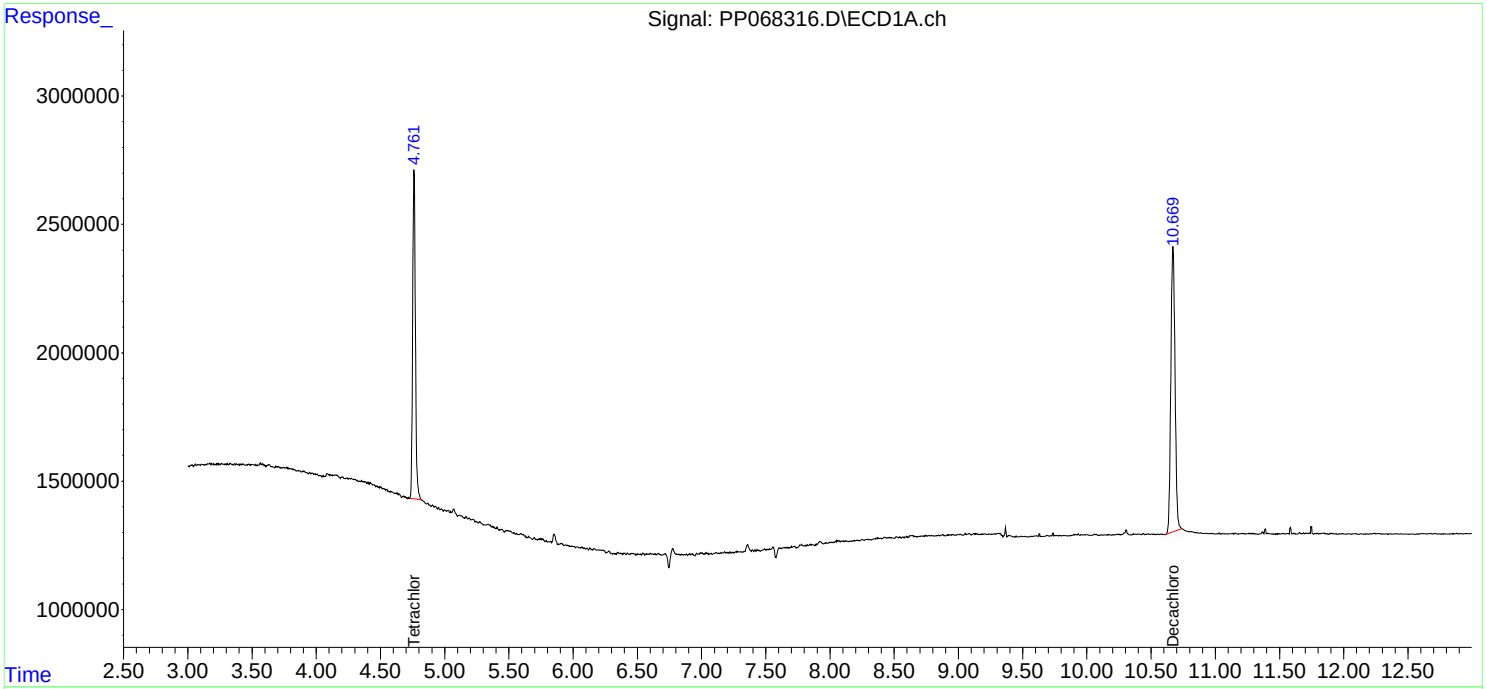
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

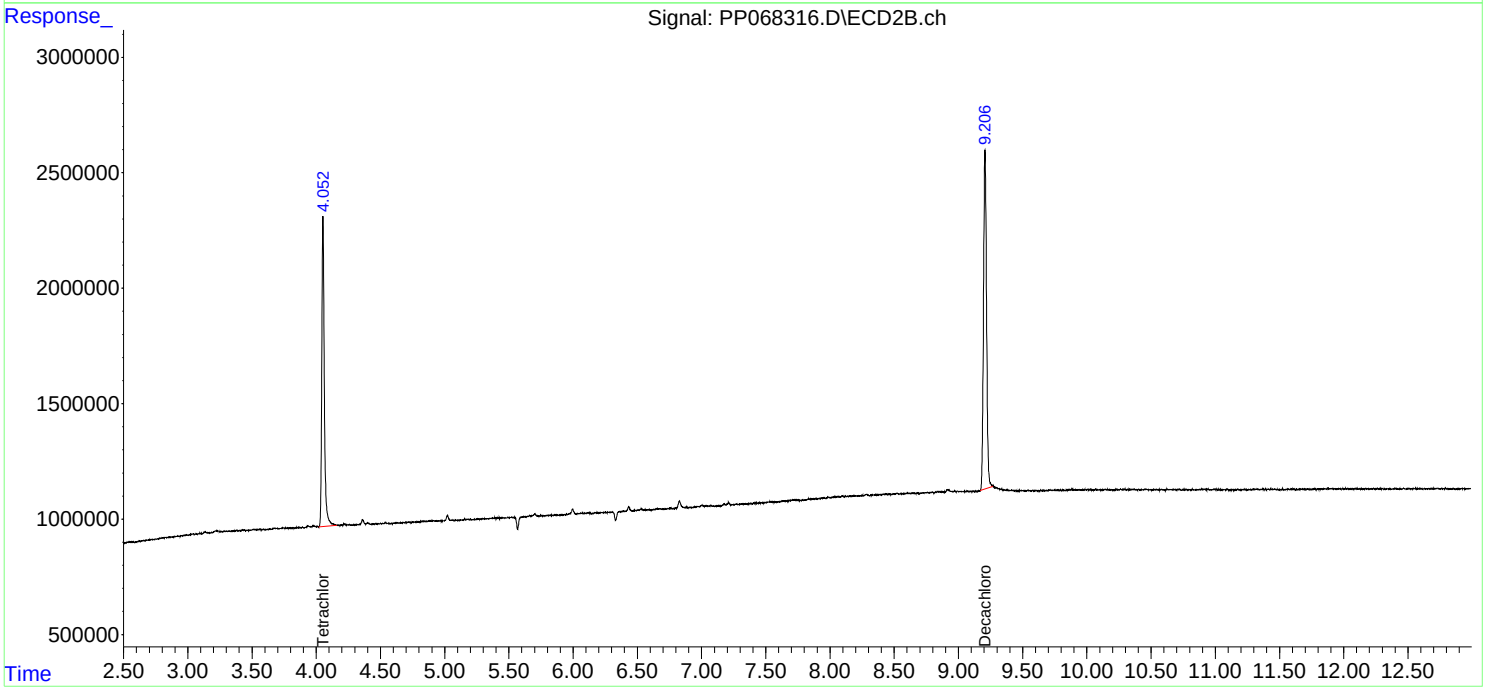
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 18:53
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

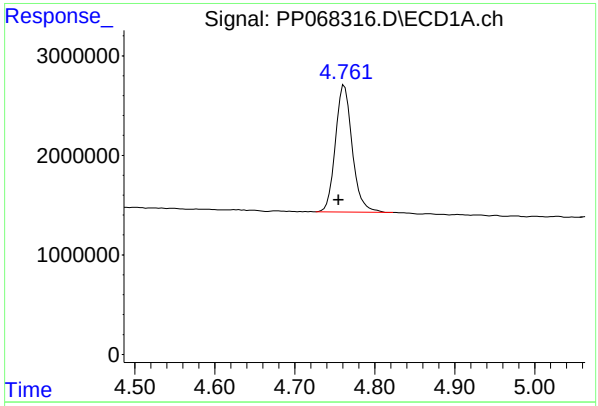
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:00:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



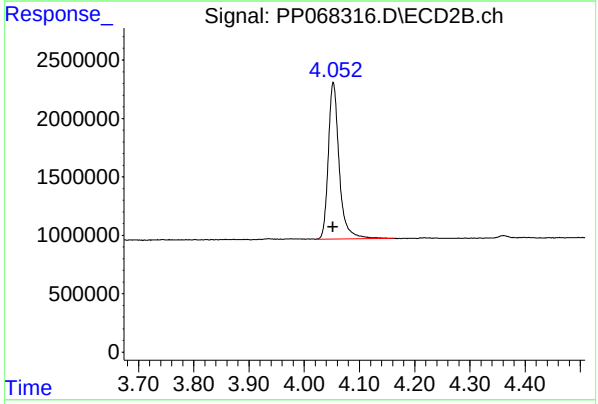






#1 Tetrachloro-m-xylene

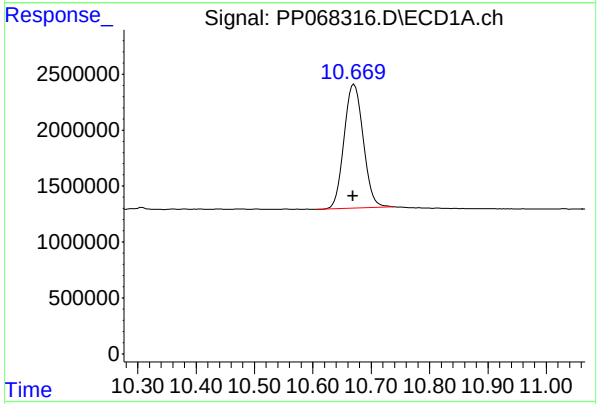
R.T.: 4.762 min
Delta R.T.: 0.007 mi
Response: 18627319
Conc: 20.12 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



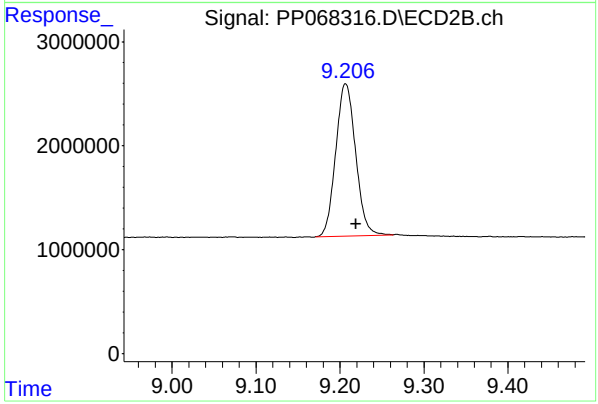

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 18332974
Conc: 18.14 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.671 min
Delta R.T.: 0.002 min
Response: 25319659
Conc: 21.99 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.207 min
Delta R.T.: -0.012 min
Response: 24151356
Conc: 21.54 ng/ml

Raw Data: **PO107442.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | |
| Client Sample ID: | PB164459BS | SDG No.: | P4578 |
| Lab Sample ID: | PB164459BS | 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 |
|---|---|---|---|---|
| PO107442.D | 1 | 10/28/24 08:30 | 10/28/24 18:16 | PB164459 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 160 | | 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 | 162 | | 2.90 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.6 | | 30 (32) - 150 (144) | 103% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.1 | | 30 (32) - 150 (175) | 110% | 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

Sample Results: **PO107442.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:16
Operator : YP/AJ
Sample : PB164459BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB164459BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:45:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.644 | 187.8E6 | 64396311 | 20.609 | 20.008 |
| 2) | SA Decachlor... | 10.057 | 8.635 | 54146799 | 59960863 | 22.070 | 21.871 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.520 | 4.725 | 126.4E6 | 51115745 | 468.450 | 494.993 |
| 4) | L1 AR-1016-2 | 5.542 | 4.743 | 184.2E6 | 70687895 | 464.047 | 501.447 |
| 5) | L1 AR-1016-3 | 5.605 | 4.920 | 116.4E6 | 37744879 | 463.582 | 479.327 |
| 6) | L1 AR-1016-4 | 5.702 | 4.960 | 93231305 | 29998416 | 484.037 | 453.777 |
| 7) | L1 AR-1016-5 | 5.996 | 5.174 | 84471028 | 38761716 | 462.466 | 471.934 |
| 31) | L7 AR-1260-1 | 7.124 | 6.204 | 123.6E6 | 77139178 | 478.154 | 497.176 |
| 32) | L7 AR-1260-2 | 7.380 | 6.391 | 128.3E6 | 92957328 | 487.562 | 527.820 |
| 33) | L7 AR-1260-3 | 7.741 | 6.544 | 73214520 | 85815643 | 407.324 | 511.574m# |
| 34) | L7 AR-1260-4 | 7.965 | 7.015 | 77702372 | 62965240 | 442.739m | 435.201 |
| 35) | L7 AR-1260-5 | 8.279 | 7.255 | 119.6E6 | 152.7E6 | 420.536 | 463.529 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:16
Operator : YP/AJ
Sample : PB164459BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

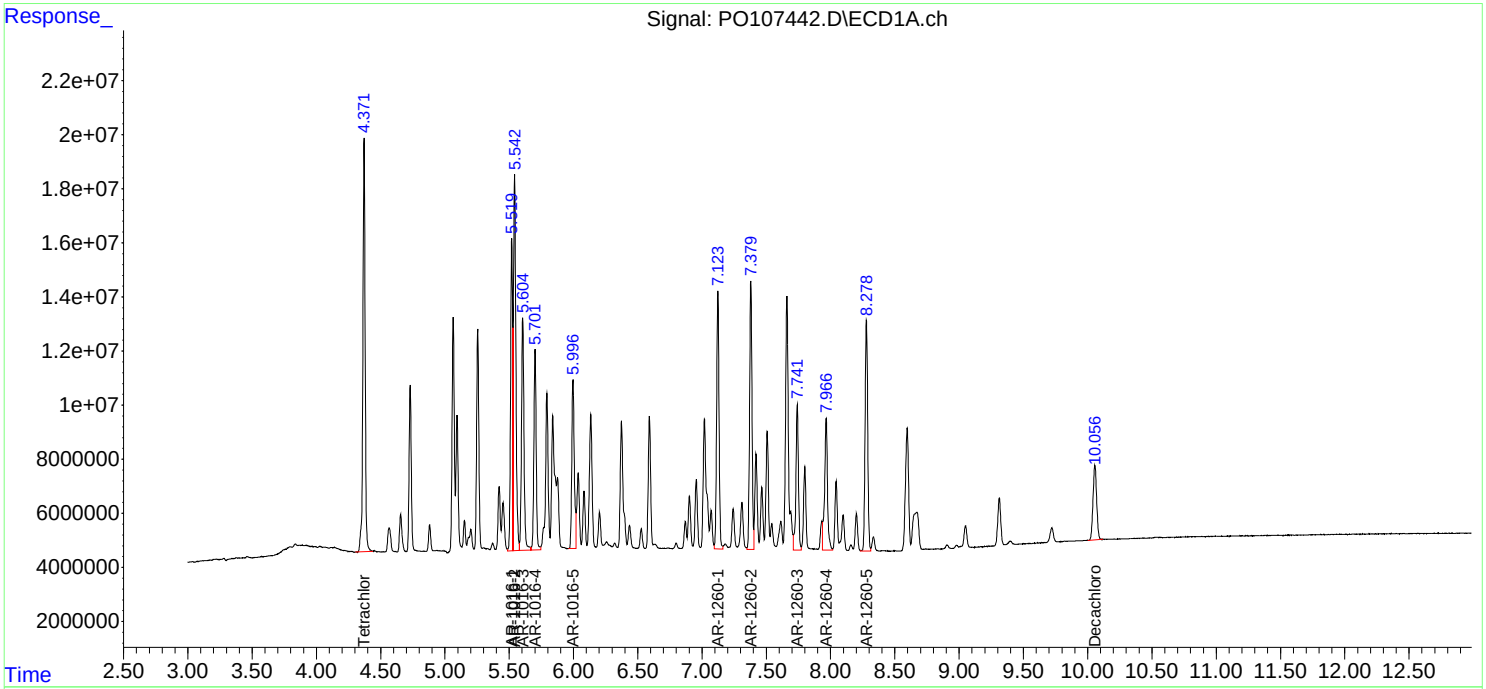
**Instrument :**
ECD_O
**ClientSampleId :**
PB164459BS

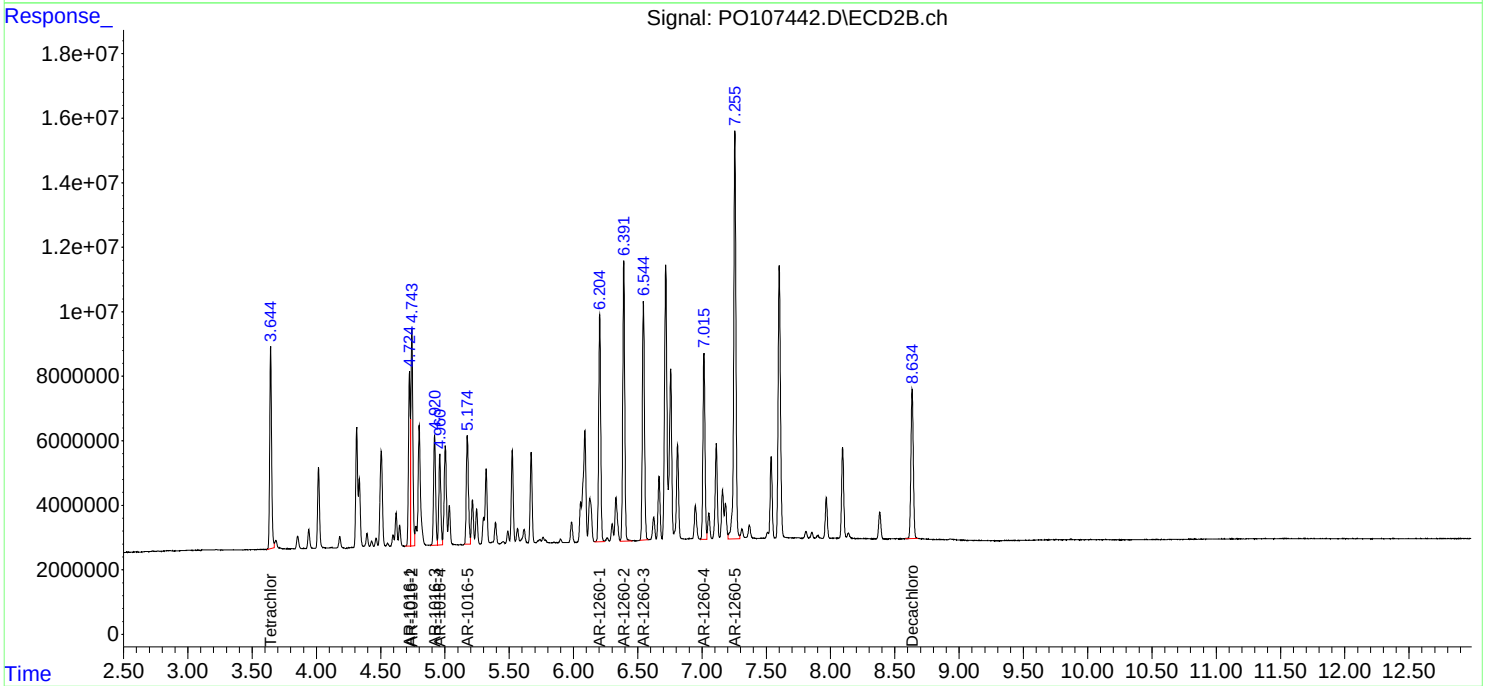
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:45:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



Raw Data: **PP068305.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | |
| Client Sample ID: | PB164493BS | SDG No.: | P4578 |
| Lab Sample ID: | PB164493BS | 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 : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068305.D | 1 | 10/29/24 08:50 | 10/29/24 15:32 | PB164493 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.40 | | 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 |
| 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 |
| 11096-82-5 | Aroclor-1260 | 4.10 | | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 30 (10) - 150 (157) | 103% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.3 | | 30 (10) - 150 (173) | 112% | 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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 15:32
Operator : YP\AJ
Sample : PB164493BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB164493BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:35:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.760 | 4.054 | 19124188 | 18749306 | 20.660 | 18.556 |
| 2) | SA Decachlor... | 10.673 | 9.209 | 25716203 | 24105587 | 22.337 | 21.495 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.924 | 5.160 | 14123979 | 13474955 | 427.136 | 385.139 |
| 4) | L1 AR-1016-2 | 5.946 | 5.179 | 21623076 | 18908546 | 443.361 | 392.550 |
| 5) | L1 AR-1016-3 | 6.010 | 5.360 | 13524466 | 10550004 | 429.185 | 391.648 |
| 6) | L1 AR-1016-4 | 6.108 | 5.399 | 12237223 | 9423304 | 475.349 | 391.250 |
| 7) | L1 AR-1016-5 | 6.402 | 5.618 | 11221868 | 11491789 | 414.597 | 377.897 |
| 31) | L7 AR-1260-1 | 7.525 | 6.660 | 23777823 | 23022692 | 440.137 | 404.176 |
| 32) | L7 AR-1260-2 | 7.778 | 6.847 | 27134515 | 26990041 | 428.863 | 404.622 |
| 33) | L7 AR-1260-3 | 8.139 | 7.004 | 20045224 | 26041485 | 386.609 | 408.807 |
| 34) | L7 AR-1260-4 | 8.376 | 7.478 | 24049555 | 20264271 | 399.531m | 366.491 |
| 35) | L7 AR-1260-5 | 8.715 | 7.717 | 41678807 | 44683666 | 386.946 | 365.365 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 15:32
Operator : YP\AJ
Sample : PB164493BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

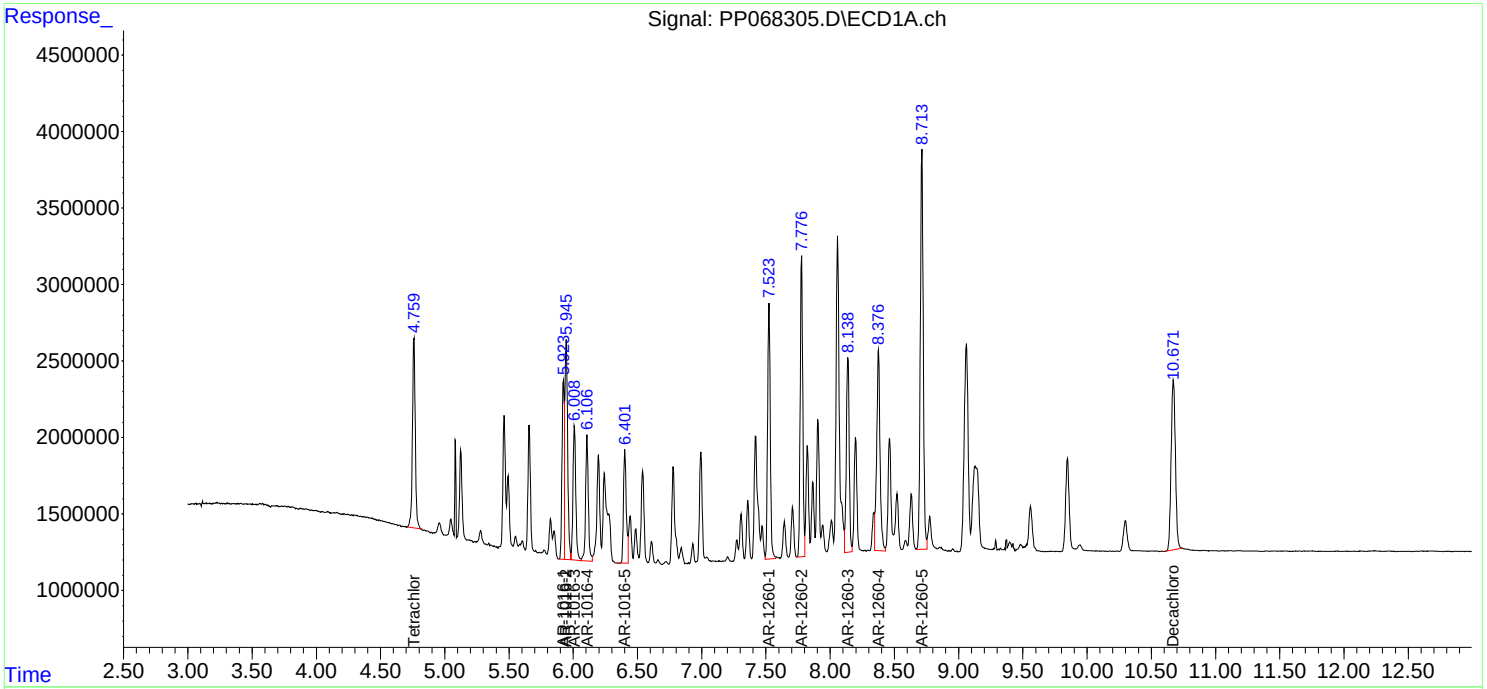
**Instrument :**
ECD_P
**ClientSampleId :**
PB164493BS

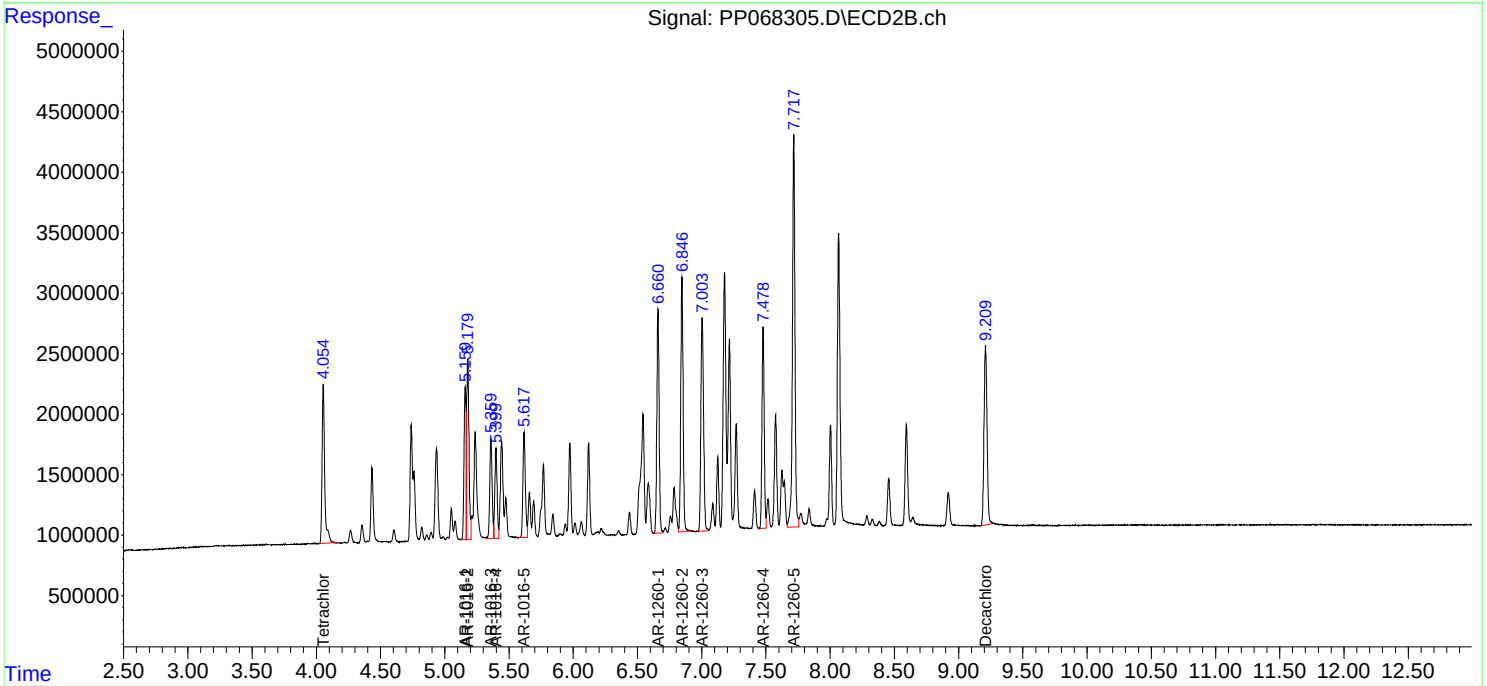
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:35:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



Raw Data: **PP068306.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | |
| Client Sample ID: | PB164493BSD | SDG No.: | P4578 |
| Lab Sample ID: | PB164493BSD | 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 : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068306.D | 1 | 10/29/24 08:50 | 10/29/24 15:48 | PB164493 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.30 | | 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 |
| 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 |
| 11096-82-5 | Aroclor-1260 | 4.00 | | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.8 | | 30 (10) - 150 (157) | 104% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.3 | | 30 (10) - 150 (173) | 111% | 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

Sample Results: **PP068306.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 15:48
Operator : YP\AJ
Sample : PB164493BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB164493BSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:36:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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... | 4.760 | 4.053 | 19285797 | 18735505 | 20.835 | 18.543 |
| 2) | SA Decachlor... | 10.671 | 9.209 | 25637467 | 23455174 | 22.268 | 20.915 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.924 | 5.159 | 13009942 | 13362082 | 393.446 | 381.913 |
| 4) | L1 AR-1016-2 | 5.943 | 5.179 | 24093201 | 18754094 | 494.008 | 389.343 |
| 5) | L1 AR-1016-3 | 6.009 | 5.359 | 13268233 | 10462568 | 421.054 | 388.402 |
| 6) | L1 AR-1016-4 | 6.108 | 5.399 | 11061537 | 9381088 | 429.680 | 389.497 |
| 7) | L1 AR-1016-5 | 6.400 | 5.617 | 11636724 | 11439435 | 429.924m | 376.175 |
| 31) | L7 AR-1260-1 | 7.524 | 6.659 | 22989855 | 22900468 | 425.551 | 402.031 |
| 32) | L7 AR-1260-2 | 7.777 | 6.846 | 26529777 | 26729498 | 419.305 | 400.716 |
| 33) | L7 AR-1260-3 | 8.138 | 7.003 | 19429546 | 25766701 | 374.734 | 404.494 |
| 34) | L7 AR-1260-4 | 8.376 | 7.478 | 24080439 | 19703733 | 400.044m | 356.353 |
| 35) | L7 AR-1260-5 | 8.714 | 7.716 | 40848851 | 43619130 | 379.241 | 356.661 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102924\
Data File : PP068306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 15:48
Operator : YP\AJ
Sample : PB164493BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

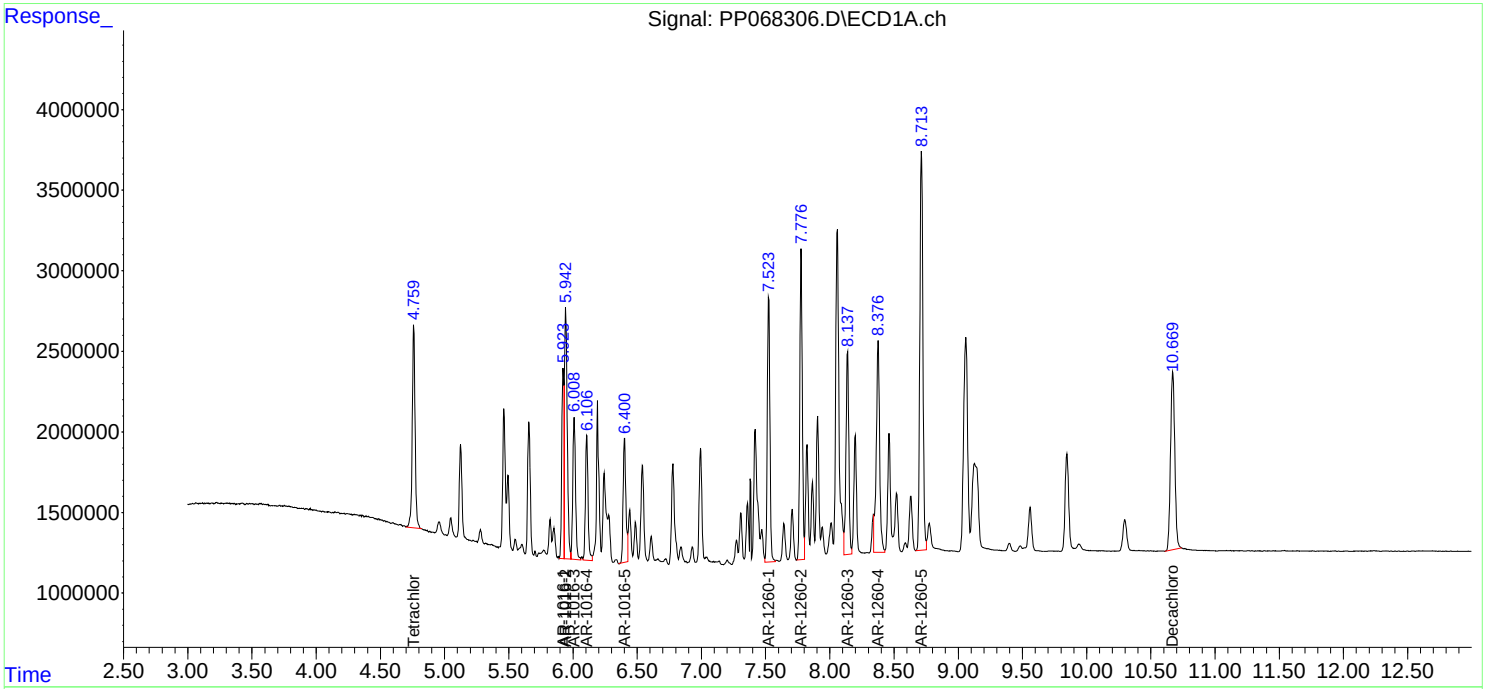
**Instrument :**
ECD_P
**ClientSampleId :**
PB164493BSD

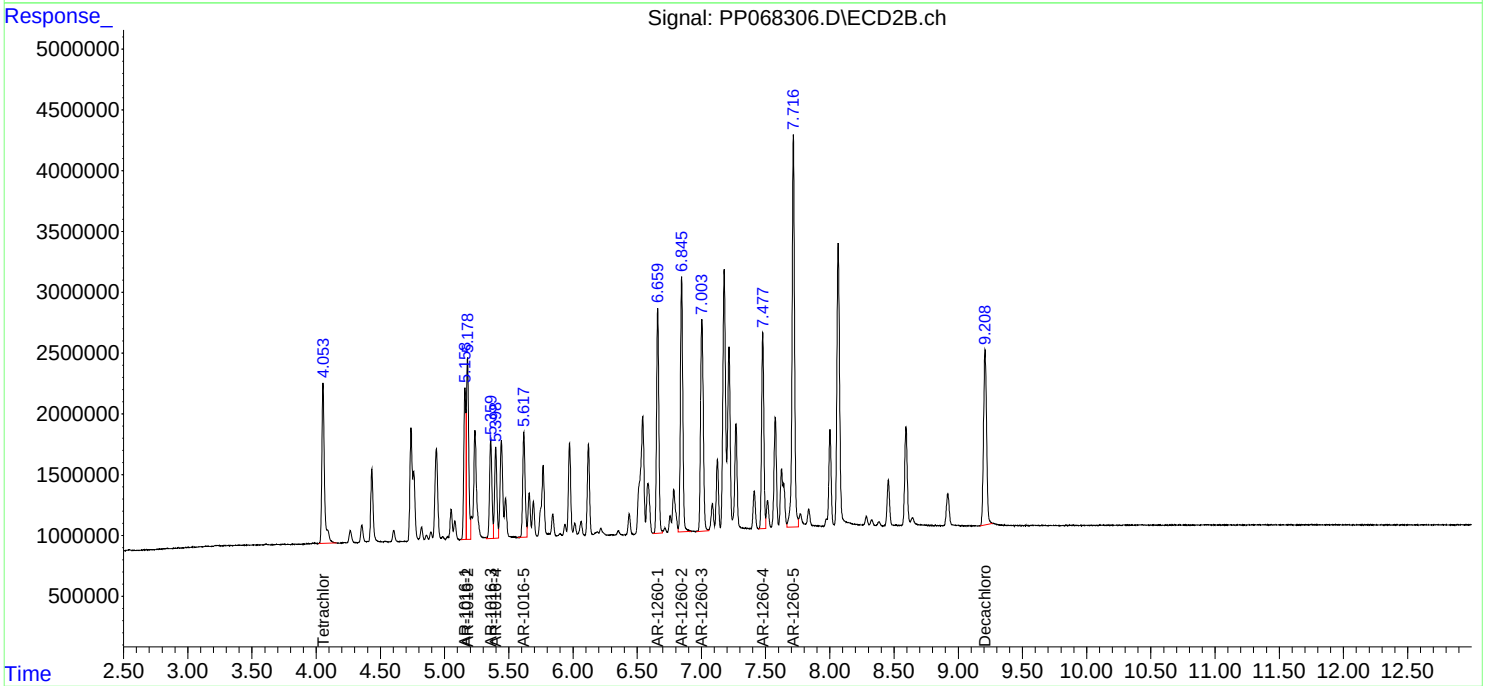
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 16:36:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



Raw Data: **PO107446.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | HD-01-102524MS | SDG No.: | P4578 |
| Lab Sample ID: | P4566-01MS | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 97.2 Decanted: |
| Sample Wt/Vol: | 30.06 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 |
|---|---|---|---|---|
| PO107446.D | 1 | 10/28/24 08:30 | 10/28/24 19:28 | PB164459 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 151 | | 3.50 | 17.5 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 6.60 | U | 6.60 | 17.5 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.50 | U | 3.50 | 17.5 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.50 | U | 3.50 | 17.5 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 8.10 | U | 8.10 | 17.5 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 2.80 | U | 2.80 | 17.5 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.70 | U | 4.70 | 17.5 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.50 | U | 3.50 | 17.5 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 141 | | 3.00 | 17.5 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.8 | | 30 (32) - 150 (144) | 94% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.3 | | 30 (32) - 150 (175) | 87% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107446.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 19:28
Operator : YP/AJ
Sample : P4566-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
HD-01-102524MS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:47:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.645 | 151.5E6 | 60331475 | 16.625m | 18.745 | |
| 2) | SA Decachlor... | 10.056 | 8.636 | 42535266 | 40618324 | 17.337 | 14.816 | |
| | Target Compounds | | | | | | | |
| 3) | L1 AR-1016-1 | 5.520 | 4.725 | 114.3E6 | 48686897 | 423.678m | 471.472 | |
| 4) | L1 AR-1016-2 | 5.542 | 4.744 | 150.5E6 | 63976326 | 379.240m | 453.837 | |
| 5) | L1 AR-1016-3 | 5.604 | 4.919 | 96188798 | 36682273 | 382.964m | 465.832 | |
| 6) | L1 AR-1016-4 | 5.702 | 4.961 | 84266032 | 29943185 | 437.491m | 452.941 | |
| 7) | L1 AR-1016-5 | 5.995 | 5.173 | 85879210 | 29604184 | 470.175m | 360.438 | |
| 31) | L7 AR-1260-1 | 7.123 | 6.204 | 104.6E6 | 62311405 | 404.427 | 401.608 | |
| 32) | L7 AR-1260-2 | 7.380 | 6.391 | 117.1E6 | 73115238 | 445.053 | 415.155 | |
| 33) | L7 AR-1260-3 | 7.742 | 6.544 | 65417179 | 63509194 | 363.944 | 378.598 | |
| 34) | L7 AR-1260-4 | 7.966 | 7.015 | 74427130 | 45946966 | 424.077 | 317.575 | # |
| 35) | L7 AR-1260-5 | 8.279 | 7.255 | 120.9E6 | 113.0E6 | 424.956 | 343.132 | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 19:28
Operator : YP/AJ
Sample : P4566-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

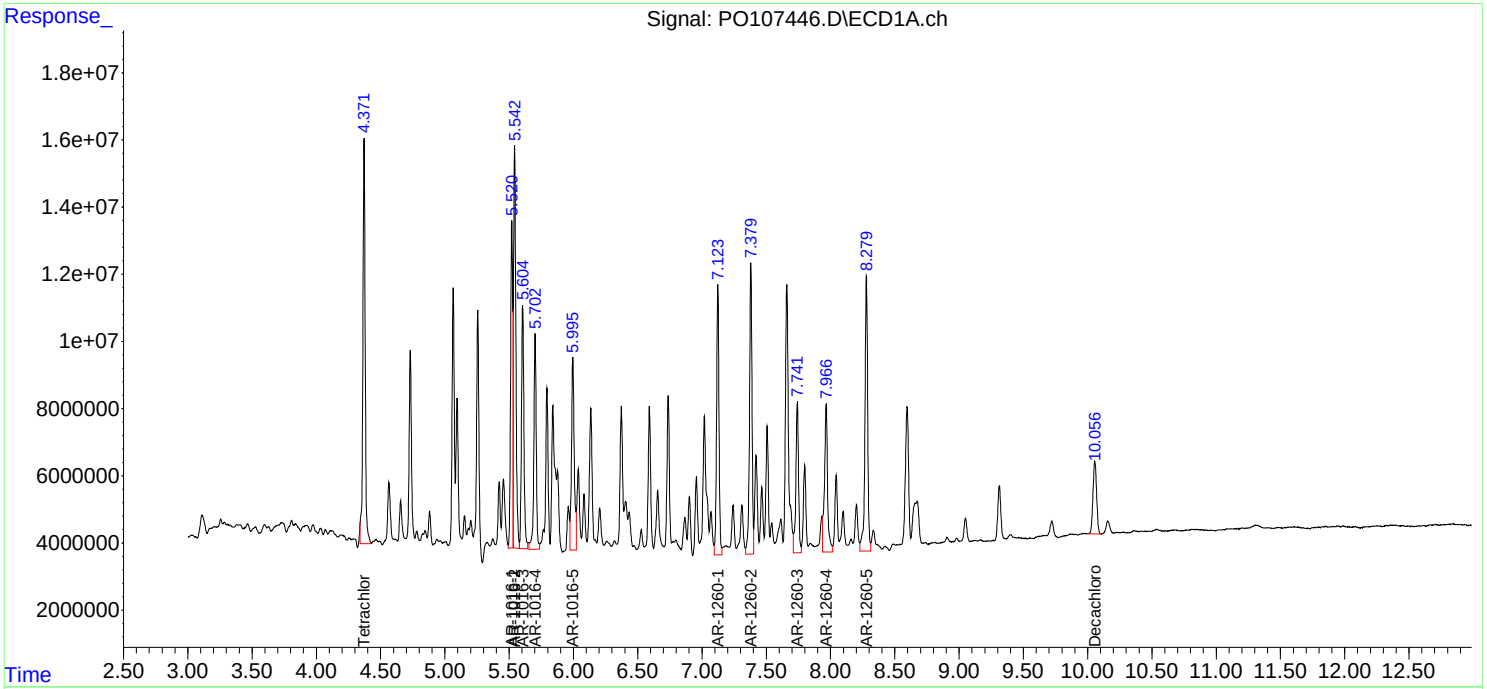
**Instrument :**
ECD_O
**ClientSampleId :**
HD-01-102524MS

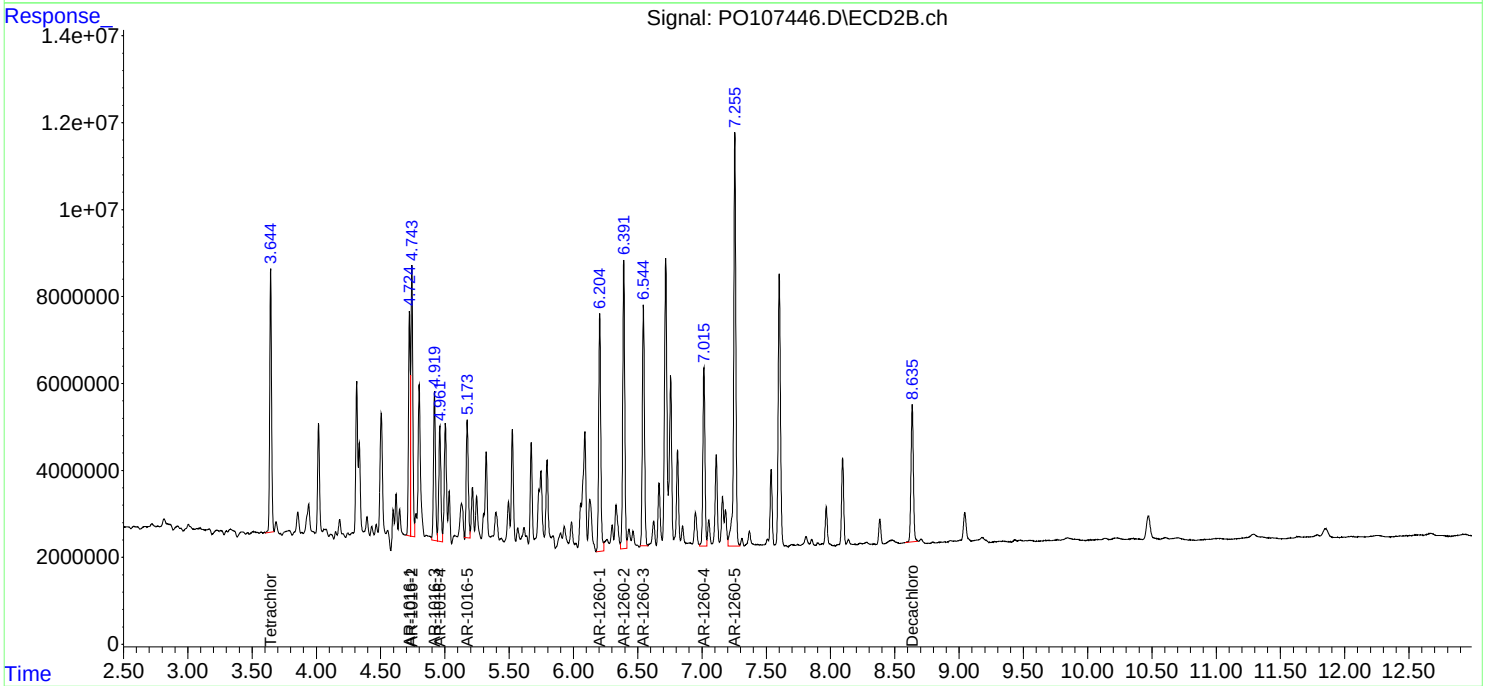
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:47:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



Raw Data: **PO107447.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 10/25/24 |
| Project: | Amtrak Sawtooth Bridges 2024 | Date Received: | 10/25/24 |
| Client Sample ID: | HD-01-102524MSD | SDG No.: | P4578 |
| Lab Sample ID: | P4566-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 97.2 Decanted: |
| Sample Wt/Vol: | 30.08 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 |
|---|---|---|---|---|
| PO107447.D | 1 | 10/28/24 08:30 | 10/28/24 19:46 | PB164459 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 150 | | 3.50 | 17.4 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 6.60 | U | 6.60 | 17.4 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.50 | U | 3.50 | 17.4 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.50 | U | 3.50 | 17.4 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 8.10 | U | 8.10 | 17.4 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 2.80 | U | 2.80 | 17.4 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.70 | U | 4.70 | 17.4 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.50 | U | 3.50 | 17.4 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 130 | | 3.00 | 17.4 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.0 | | 30 (32) - 150 (144) | 95% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.8 | | 30 (32) - 150 (175) | 84% | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO107447.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 19:46
Operator : YP/AJ
Sample : P4566-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
HD-01-102524MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:48:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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... | 4.371 | 3.644 | 150.7E6 | 61024127 | 16.531m | 18.960 |
| 2) | SA Decachlor... | 10.058 | 8.636 | 41211871 | 38858415 | 16.798 | 14.174 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.521 | 4.725 | 109.5E6 | 48617590 | 405.735m | 470.801 |
| 4) | L1 AR-1016-2 | 5.543 | 4.744 | 146.6E6 | 63496317 | 369.259m | 450.431 |
| 5) | L1 AR-1016-3 | 5.605 | 4.919 | 95086283 | 36238545 | 378.574m | 460.197 |
| 6) | L1 AR-1016-4 | 5.702 | 4.961 | 81137148 | 29432498 | 421.247m | 445.216 |
| 7) | L1 AR-1016-5 | 5.995 | 5.173 | 82673388 | 29710168 | 452.624m | 361.729m |
| 31) | L7 AR-1260-1 | 7.124 | 6.205 | 98243450 | 60008584 | 379.922 | 386.766 |
| 32) | L7 AR-1260-2 | 7.380 | 6.391 | 109.3E6 | 72540871 | 415.108 | 411.893 |
| 33) | L7 AR-1260-3 | 7.742 | 6.545 | 58902638 | 61421642 | 327.701 | 366.154 |
| 34) | L7 AR-1260-4 | 7.966 | 7.015 | 67971286 | 44651259 | 387.292 | 308.619 |
| 35) | L7 AR-1260-5 | 8.280 | 7.256 | 112.4E6 | 108.3E6 | 395.318 | 328.823 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 19:46
Operator : YP/AJ
Sample : P4566-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

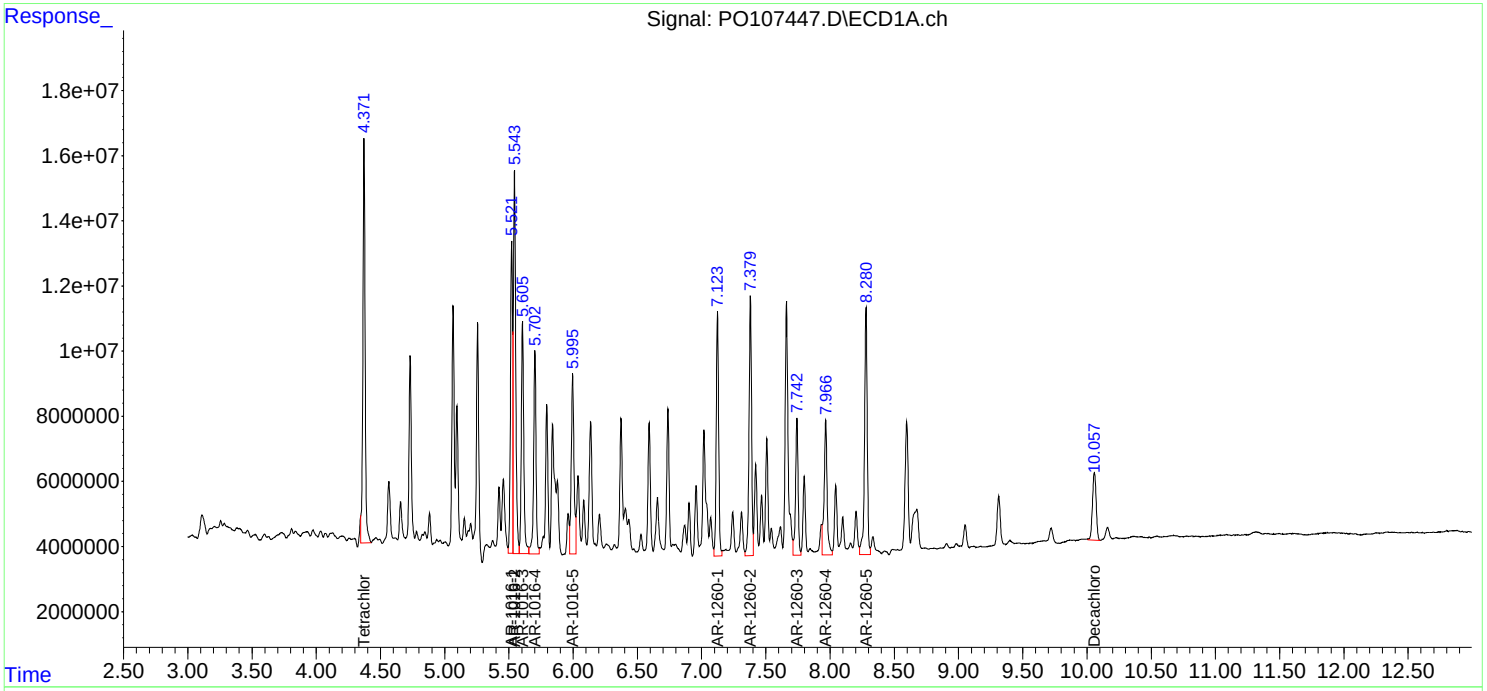
**Instrument :**
ECD_O
**ClientSampleId :**
HD-01-102524MSD

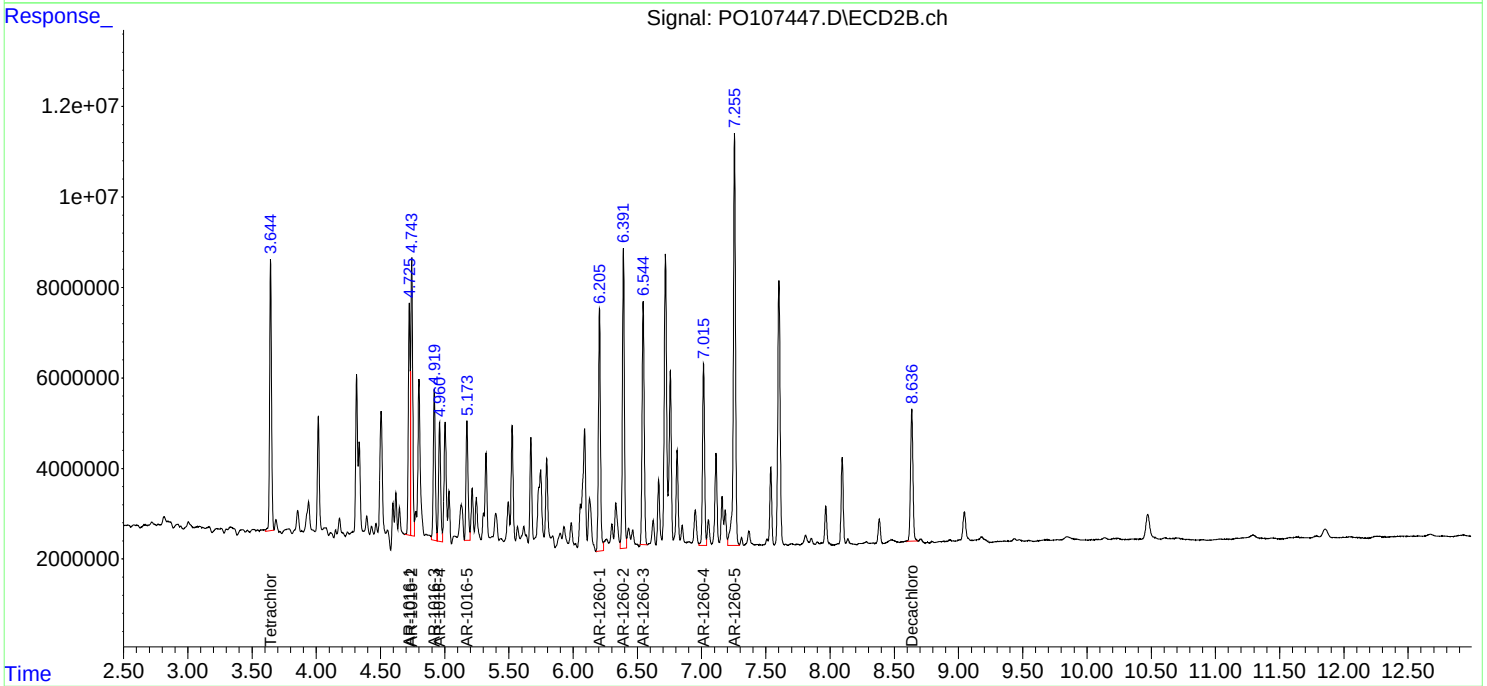
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:48:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



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

# Manual Integration Report

| Sequence: | po101524 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC050 | PO107188.D | AR-1260-1 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-2 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-3 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-3 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-4 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-5 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-5 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | Decachlorobiphenyl #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1268ICC050 | PO107211.D | AR-1268-1 | yogesh | 10/16/2024 8:49:03 AM | Ankita | 10/16/2024 9:57:36 | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | PO102824 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254CCC500 | PO107423.D | AR-1254-2 #2 | yogesh | 10/29/2024 9:25:31 AM | Ankita | 10/29/2024 9:46:17 | Peak Integrated by Software |
| AR1660CCC500 | PO107435.D | AR-1016-5 #2 | yogesh | 10/29/2024 9:25:38 AM | Ankita | 10/29/2024 9:46:22 | Peak Integrated by Software |
| AR1248CCC500 | PO107438.D | AR-1248-5 #2 | yogesh | 10/29/2024 9:25:40 AM | Ankita | 10/29/2024 9:46:23 | Peak Integrated by Software |
| AR1254CCC500 | PO107439.D | AR-1254-2 #2 | yogesh | 10/29/2024 9:25:42 AM | Ankita | 10/29/2024 9:46:24 | Peak Integrated by Software |
| PB164459BS | PO107442.D | AR-1260-3 #2 | yogesh | 10/29/2024 9:25:44 AM | Ankita | 10/29/2024 9:46:26 | Peak Integrated by Software |
| PB164459BS | PO107442.D | AR-1260-4 | yogesh | 10/29/2024 9:25:44 AM | Ankita | 10/29/2024 9:46:26 | Peak Integrated by Software |
| P4566-01MS | PO107446.D | AR-1016-1 | yogesh | 10/29/2024 9:25:47 AM | Ankita | 10/29/2024 9:46:29 | Peak Integrated by Software |
| P4566-01MS | PO107446.D | AR-1016-2 | yogesh | 10/29/2024 9:25:47 AM | Ankita | 10/29/2024 9:46:29 | Peak Integrated by Software |
| P4566-01MS | PO107446.D | AR-1016-3 | yogesh | 10/29/2024 9:25:47 AM | Ankita | 10/29/2024 9:46:29 | Peak Integrated by Software |
| P4566-01MS | PO107446.D | AR-1016-4 | yogesh | 10/29/2024 9:25:47 AM | Ankita | 10/29/2024 9:46:29 | Peak Integrated by Software |
| P4566-01MS | PO107446.D | AR-1016-5 | yogesh | 10/29/2024 9:25:47 AM | Ankita | 10/29/2024 9:46:29 | Peak Integrated by Software |
| P4566-01MS | PO107446.D | Tetrachloro-m-xylene | yogesh | 10/29/2024 9:25:47 AM | Ankita | 10/29/2024 9:46:29 | Peak Integrated by Software |
| P4566-01MSD | PO107447.D | AR-1016-1 | yogesh | 10/29/2024 9:25:49 AM | Ankita | 10/29/2024 9:46:31 | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | PO102824 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| P4566-01MSD | PO107447.D | AR-1016-2 | yogesh | 10/29/2024 9:25:49 AM | Ankita | 10/29/2024 9:46:31 | Peak Integrated by Software |
| P4566-01MSD | PO107447.D | AR-1016-3 | yogesh | 10/29/2024 9:25:49 AM | Ankita | 10/29/2024 9:46:31 | Peak Integrated by Software |
| P4566-01MSD | PO107447.D | AR-1016-4 | yogesh | 10/29/2024 9:25:49 AM | Ankita | 10/29/2024 9:46:31 | Peak Integrated by Software |
| P4566-01MSD | PO107447.D | AR-1016-5 | yogesh | 10/29/2024 9:25:49 AM | Ankita | 10/29/2024 9:46:31 | Peak Integrated by Software |
| P4566-01MSD | PO107447.D | AR-1016-5 #2 | yogesh | 10/29/2024 9:25:49 AM | Ankita | 10/29/2024 9:46:31 | Peak Integrated by Software |
| P4566-01MSD | PO107447.D | Tetrachloro-m-xylene | yogesh | 10/29/2024 9:25:49 AM | Ankita | 10/29/2024 9:46:31 | Peak Integrated by Software |
| AR1242CCC500 | PO107452.D | AR-1242-2 #2 | yogesh | 10/29/2024 1:58:22 PM | Ankita | 10/29/2024 1:58:46 | Peak Integrated by Software |
| AR1242CCC500 | PO107452.D | AR-1242-3 #2 | yogesh | 10/29/2024 1:58:22 PM | Ankita | 10/29/2024 1:58:46 | Peak Integrated by Software |
| AR1242CCC500 | PO107452.D | AR-1242-4 #2 | yogesh | 10/29/2024 1:58:22 PM | Ankita | 10/29/2024 1:58:46 | Peak Integrated by Software |
| AR1242CCC500 | PO107452.D | AR-1242-5 #2 | yogesh | 10/29/2024 1:58:22 PM | Ankita | 10/29/2024 1:58:46 | Peak Integrated by Software |
| AR1242CCC500 | PO107452.D | Decachlorobiphenyl #2 | yogesh | 10/29/2024 1:58:22 PM | Ankita | 10/29/2024 1:58:46 | Peak Integrated by Software |
| AR1248CCC500 | PO107453.D | AR-1248-5 #2 | yogesh | 10/29/2024 9:25:53 AM | Ankita | 10/29/2024 9:46:44 | Peak Integrated by Software |
| AR1254CCC500 | PO107454.D | AR-1254-1 #2 | yogesh | 10/29/2024 9:25:54 AM | Ankita | 10/29/2024 9:46:46 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO102824 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254CCC50 0 | PO107454.D | AR-1254-2 #2 | yogesh | 10/29/2024 9:25:54 AM | Ankita | 10/29/2024 9:46:46 | Peak Integrated by Software |
| P4578-03 | PO107460.D | Tetrachloro-m-xylene | yogesh | 10/29/2024 9:25:58 AM | Ankita | 10/29/2024 9:46:59 | Peak Integrated by Software |
| P4578-03 | PO107460.D | Tetrachloro-m-xylene #2 | yogesh | 10/29/2024 9:25:58 AM | Ankita | 10/29/2024 9:46:59 | Peak Integrated by Software |
| P4578-04 | PO107461.D | Tetrachloro-m-xylene | yogesh | 10/29/2024 9:25:59 AM | Ankita | 10/29/2024 9:47:01 | Peak Integrated by Software |
| P4578-04 | PO107461.D | Tetrachloro-m-xylene #2 | yogesh | 10/29/2024 9:25:59 AM | Ankita | 10/29/2024 9:47:01 | Peak Integrated by Software |
| AR1242CCC50 0 | PO107465.D | Tetrachloro-m-xylene #2 | yogesh | 10/29/2024 9:26:01 AM | Ankita | 10/29/2024 9:47:02 | Peak Integrated by Software |
| AR1248CCC50 0 | PO107466.D | AR-1248-5 #2 | yogesh | 10/29/2024 9:26:03 AM | Ankita | 10/29/2024 9:47:04 | Peak Integrated by Software |
| AR1254CCC50 0 | PO107467.D | AR-1254-2 #2 | yogesh | 10/29/2024 9:26:05 AM | Ankita | 10/29/2024 9:47:06 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp100824 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC250 | PP067590.D | AR-1016-5 #2 | yogesh | 10/9/2024 8:24:09 AM | Ankita | 10/9/2024 9:46:08 | Peak Integrated by Software |
| AR1660ICC050 | PP067591.D | AR-1016-5 #2 | yogesh | 10/9/2024 8:24:11 AM | Ankita | 10/9/2024 9:46:09 | Peak Integrated by Software |
| AR1242ICC500 | PP067596.D | Tetrachloro-m-xylene | yogesh | 10/9/2024 8:24:13 AM | Ankita | 10/9/2024 9:46:11 | Peak Integrated by Software |
| AR1242ICC050 | PP067598.D | Tetrachloro-m-xylene | yogesh | 10/9/2024 8:24:16 AM | Ankita | 10/9/2024 9:46:12 | Peak Integrated by Software |
| AR1254ICC750 | PP067605.D | AR-1254-5 | yogesh | 10/9/2024 8:24:18 AM | Ankita | 10/9/2024 9:46:13 | Peak Integrated by Software |
| AR1254ICC500 | PP067606.D | AR-1254-5 | yogesh | 10/9/2024 8:24:20 AM | Ankita | 10/9/2024 9:46:15 | Peak Integrated by Software |
| AR1254ICC050 | PP067608.D | AR-1254-1 | yogesh | 10/9/2024 8:24:22 AM | Ankita | 10/9/2024 9:48:32 | Peak Integrated by Software |
| AR1254ICC050 | PP067608.D | AR-1254-4 #2 | yogesh | 10/9/2024 8:24:22 AM | Ankita | 10/9/2024 9:48:32 | Peak Integrated by Software |
| AR1262ICC500 | PP067609.D | AR-1262-3 | yogesh | 10/9/2024 8:24:24 AM | Ankita | 10/9/2024 9:48:33 | Peak Integrated by Software |
| AR1268ICC1000 | PP067610.D | AR-1268-1 | yogesh | 10/9/2024 8:24:27 AM | Ankita | 10/9/2024 9:48:35 | Peak Integrated by Software |
| AR1268ICC1000 | PP067610.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:27 AM | Ankita | 10/9/2024 9:48:35 | Peak Integrated by Software |
| AR1268ICC750 | PP067611.D | AR-1268-1 | yogesh | 10/9/2024 8:24:29 AM | Ankita | 10/9/2024 9:48:36 | Peak Integrated by Software |
| AR1268ICC750 | PP067611.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:29 AM | Ankita | 10/9/2024 9:48:36 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp100824 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1268ICC500 | PP067612.D | AR-1268-1 | yogesh | 10/9/2024 8:24:31 AM | Ankita | 10/9/2024 9:48:38 | Peak Integrated by Software |
| AR1268ICC500 | PP067612.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:31 AM | Ankita | 10/9/2024 9:48:38 | Peak Integrated by Software |
| AR1268ICC250 | PP067613.D | AR-1268-1 | yogesh | 10/9/2024 8:24:33 AM | Ankita | 10/9/2024 9:48:39 | Peak Integrated by Software |
| AR1268ICC250 | PP067613.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:33 AM | Ankita | 10/9/2024 9:48:39 | Peak Integrated by Software |
| AR1268ICC050 | PP067614.D | AR-1268-1 | yogesh | 10/9/2024 8:24:35 AM | Ankita | 10/9/2024 9:48:41 | Peak Integrated by Software |
| AR1268ICC050 | PP067614.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:35 AM | Ankita | 10/9/2024 9:48:41 | Peak Integrated by Software |
| AR1242ICV500 | PP067616.D | AR-1242-1 #2 | yogesh | 10/9/2024 8:24:36 AM | Ankita | 10/9/2024 9:48:43 | Peak Integrated by Software |
| AR1242ICV500 | PP067616.D | AR-1242-2 #2 | yogesh | 10/9/2024 8:24:36 AM | Ankita | 10/9/2024 9:48:43 | Peak Integrated by Software |
| AR1254ICV500 | PP067618.D | AR-1254-4 #2 | yogesh | 10/9/2024 8:24:38 AM | Ankita | 10/9/2024 9:48:44 | Peak Integrated by Software |
| AR1254ICV500 | PP067618.D | AR-1254-5 | yogesh | 10/9/2024 8:24:38 AM | Ankita | 10/9/2024 9:48:44 | Peak Integrated by Software |
| AR1268ICV500 | PP067619.D | AR-1268-1 | yogesh | 10/9/2024 8:24:40 AM | Ankita | 10/9/2024 9:48:46 | Peak Integrated by Software |
| AR1268ICV500 | PP067619.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:40 AM | Ankita | 10/9/2024 9:48:46 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp100824 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | PP102924 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660CCC50 0 | PP068299.D | Decachlorobiphenyl #2 | yogesh | 10/30/2024 8:38:29 AM | Ankita | 10/30/2024 9:17:02 | Peak Integrated by Software |
| AR1242CCC50 0 | PP068300.D | Decachlorobiphenyl #2 | yogesh | 10/30/2024 8:38:30 AM | Ankita | 10/30/2024 9:17:03 | Peak Integrated by Software |
| AR1248CCC50 0 | PP068301.D | Decachlorobiphenyl #2 | yogesh | 10/30/2024 8:38:32 AM | Ankita | 10/30/2024 9:17:05 | Peak Integrated by Software |
| AR1254CCC50 0 | PP068302.D | AR-1254-1 | yogesh | 10/30/2024 8:38:33 AM | Ankita | 10/30/2024 9:17:06 | Peak Integrated by Software |
| AR1254CCC50 0 | PP068302.D | AR-1254-5 | yogesh | 10/30/2024 8:38:33 AM | Ankita | 10/30/2024 9:17:06 | Peak Integrated by Software |
| PB164493BS | PP068305.D | AR-1260-4 | yogesh | 10/30/2024 8:38:35 AM | Ankita | 10/30/2024 9:17:07 | Peak Integrated by Software |
| PB164493BSD | PP068306.D | AR-1016-5 | yogesh | 10/30/2024 8:38:36 AM | Ankita | 10/30/2024 9:17:09 | Peak Integrated by Software |
| PB164493BSD | PP068306.D | AR-1260-4 | yogesh | 10/30/2024 8:38:36 AM | Ankita | 10/30/2024 9:17:09 | Peak Integrated by Software |
| AR1248CCC50 0 | PP068314.D | AR-1248-1 | yogesh | 10/30/2024 8:38:41 AM | Ankita | 10/30/2024 9:17:14 | Peak Integrated by Software |
| AR1254CCC50 0 | PP068315.D | AR-1254-1 | yogesh | 10/30/2024 8:38:43 AM | Ankita | 10/30/2024 9:17:15 | Peak Integrated by Software |
| AR1254CCC50 0 | PP068315.D | AR-1254-5 | yogesh | 10/30/2024 8:38:43 AM | Ankita | 10/30/2024 9:17:15 | Peak Integrated by Software |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO107180.D | 15 Oct 2024 13:05 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO107181.D | 15 Oct 2024 13:23 | YP/AJ | Not Ok |
| 3 | HEXANE | PO107182.D | 15 Oct 2024 17:50 | YP/AJ | Ok |
| 4 | I.BLK | PO107183.D | 15 Oct 2024 18:08 | YP/AJ | Ok |
| 5 | AR1660ICC1000 | PO107184.D | 15 Oct 2024 18:27 | YP/AJ | Ok |
| 6 | AR1660ICC750 | PO107185.D | 15 Oct 2024 18:45 | YP/AJ | Ok |
| 7 | AR1660ICC500 | PO107186.D | 15 Oct 2024 19:03 | YP/AJ | Ok |
| 8 | AR1660ICC250 | PO107187.D | 15 Oct 2024 19:21 | YP/AJ | Ok |
| 9 | AR1660ICC050 | PO107188.D | 15 Oct 2024 19:39 | YP/AJ | Ok,M |
| 10 | AR1221ICC500 | PO107189.D | 15 Oct 2024 19:57 | YP/AJ | Ok |
| 11 | AR1232ICC500 | PO107190.D | 15 Oct 2024 20:15 | YP/AJ | Ok |
| 12 | AR1242ICC1000 | PO107191.D | 15 Oct 2024 20:34 | YP/AJ | Ok |
| 13 | AR1242ICC750 | PO107192.D | 15 Oct 2024 20:52 | YP/AJ | Ok |
| 14 | AR1242ICC500 | PO107193.D | 15 Oct 2024 21:10 | YP/AJ | Ok |
| 15 | AR1242ICC250 | PO107194.D | 15 Oct 2024 21:28 | YP/AJ | Ok |
| 16 | AR1242ICC050 | PO107195.D | 15 Oct 2024 21:46 | YP/AJ | Ok |
| 17 | AR1248ICC1000 | PO107196.D | 15 Oct 2024 22:04 | YP/AJ | Ok |
| 18 | AR1248ICC750 | PO107197.D | 15 Oct 2024 22:22 | YP/AJ | Ok |
| 19 | AR1248ICC500 | PO107198.D | 15 Oct 2024 22:41 | YP/AJ | Ok |
| 20 | AR1248ICC250 | PO107199.D | 15 Oct 2024 22:59 | YP/AJ | Ok |
| 21 | AR1248ICC050 | PO107200.D | 15 Oct 2024 23:17 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC1000 | PO107201.D | 15 Oct 2024 23:35 | YP/AJ | Ok |
| 23 | AR1254ICC750 | PO107202.D | 15 Oct 2024 23:53 | YP/AJ | Ok |
| 24 | AR1254ICC500 | PO107203.D | 16 Oct 2024 00:11 | YP/AJ | Ok |
| 25 | AR1254ICC250 | PO107204.D | 16 Oct 2024 00:29 | YP/AJ | Ok |
| 26 | AR1254ICC050 | PO107205.D | 16 Oct 2024 00:47 | YP/AJ | Ok |
| 27 | AR1262ICC500 | PO107206.D | 16 Oct 2024 01:05 | YP/AJ | Ok |
| 28 | AR1268ICC1000 | PO107207.D | 16 Oct 2024 01:23 | YP/AJ | Ok |
| 29 | AR1268ICC750 | PO107208.D | 16 Oct 2024 01:41 | YP/AJ | Ok |
| 30 | AR1268ICC500 | PO107209.D | 16 Oct 2024 01:59 | YP/AJ | Ok |
| 31 | AR1268ICC250 | PO107210.D | 16 Oct 2024 02:18 | YP/AJ | Ok |
| 32 | AR1268ICC050 | PO107211.D | 16 Oct 2024 02:36 | YP/AJ | Ok,M |
| 33 | PO101524ICV500 | PO107212.D | 16 Oct 2024 02:54 | YP/AJ | Ok |
| 34 | AR1242ICV500 | PO107213.D | 16 Oct 2024 03:12 | YP/AJ | Ok |
| 35 | AR1248ICV500 | PO107214.D | 16 Oct 2024 03:30 | YP/AJ | Ok |
| 36 | AR1254ICV500 | PO107215.D | 16 Oct 2024 03:48 | YP/AJ | Ok |
| 37 | AR1268ICV500 | PO107216.D | 16 Oct 2024 04:06 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2024 9:26:23 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 9:47:18 AM | | |
| SubDirectory | PO102824 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | I.BLK | PO107414.D | 28 Oct 2024 09:16 | YP/AJ | Ok |
| 2 | AR1221ICC1000 | PO107415.D | 28 Oct 2024 09:34 | YP/AJ | Ok |
| 3 | AR1221ICC750 | PO107416.D | 28 Oct 2024 09:52 | YP/AJ | Ok |
| 4 | AR1221ICC500 | PO107417.D | 28 Oct 2024 10:10 | YP/AJ | Ok |
| 5 | AR1221ICC250 | PO107418.D | 28 Oct 2024 10:28 | YP/AJ | Ok |
| 6 | AR1221ICC050 | PO107419.D | 28 Oct 2024 10:46 | YP/AJ | Ok |
| 7 | AR1221ICV500 | PO107420.D | 28 Oct 2024 11:04 | YP/AJ | Ok |
| 8 | AR1660CCC500 | PO107421.D | 28 Oct 2024 11:22 | YP/AJ | Ok |
| 9 | AR1221CCC500 | PO107422.D | 28 Oct 2024 11:40 | YP/AJ | Ok |
| 10 | AR1254CCC500 | PO107423.D | 28 Oct 2024 11:58 | YP/AJ | Ok,M |
| 11 | I.BLK | PO107424.D | 28 Oct 2024 12:16 | YP/AJ | Ok |
| 12 | PB164405BL | PO107425.D | 28 Oct 2024 12:34 | YP/AJ | Ok |
| 13 | PB164405BS | PO107426.D | 28 Oct 2024 12:52 | YP/AJ | Ok |
| 14 | P4495-19 | PO107427.D | 28 Oct 2024 13:10 | YP/AJ | Dilution |
| 15 | P4495-19DL | PO107428.D | 28 Oct 2024 13:28 | YP/AJ | Not Ok |
| 16 | PB164403BL | PO107429.D | 28 Oct 2024 13:46 | YP/AJ | Ok |
| 17 | P4549-02RE | PO107430.D | 28 Oct 2024 14:04 | YP/AJ | Confirms |
| 18 | P4549-03RE | PO107431.D | 28 Oct 2024 14:22 | YP/AJ | Confirms |
| 19 | P4549-04RE | PO107432.D | 28 Oct 2024 14:40 | YP/AJ | Confirms |
| 20 | P4545-01RE | PO107433.D | 28 Oct 2024 14:58 | YP/AJ | Confirms |
| 21 | P4495-19DL | PO107434.D | 28 Oct 2024 15:52 | YP/AJ | Ok,M |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2024 9:26:23 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 9:47:18 AM | | |
| SubDirectory | PO102824 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1660CCC500 | PO107435.D | 28 Oct 2024 16:10 | YP/AJ | Ok,M |
| 23 | AR1221CCC500 | PO107436.D | 28 Oct 2024 16:28 | YP/AJ | Ok |
| 24 | AR1242CCC500 | PO107437.D | 28 Oct 2024 16:46 | YP/AJ | Ok |
| 25 | AR1248CCC500 | PO107438.D | 28 Oct 2024 17:04 | YP/AJ | Ok,M |
| 26 | AR1254CCC500 | PO107439.D | 28 Oct 2024 17:22 | YP/AJ | Ok,M |
| 27 | I.BLK | PO107440.D | 28 Oct 2024 17:40 | YP/AJ | Ok |
| 28 | PB164459BL | PO107441.D | 28 Oct 2024 17:58 | YP/AJ | Ok |
| 29 | PB164459BS | PO107442.D | 28 Oct 2024 18:16 | YP/AJ | Ok,M |
| 30 | P4561-01 | PO107443.D | 28 Oct 2024 18:34 | YP/AJ | Ok |
| 31 | P4561-05 | PO107444.D | 28 Oct 2024 18:52 | YP/AJ | Ok |
| 32 | P4566-01 | PO107445.D | 28 Oct 2024 19:10 | YP/AJ | Ok,M |
| 33 | P4566-01MS | PO107446.D | 28 Oct 2024 19:28 | YP/AJ | Ok,M |
| 34 | P4566-01MSD | PO107447.D | 28 Oct 2024 19:46 | YP/AJ | Ok,M |
| 35 | P4567-01 | PO107448.D | 28 Oct 2024 20:04 | YP/AJ | Ok |
| 36 | P4567-05 | PO107449.D | 28 Oct 2024 20:22 | YP/AJ | Ok |
| 37 | P4567-09 | PO107450.D | 28 Oct 2024 20:40 | YP/AJ | Ok |
| 38 | AR1660CCC500 | PO107451.D | 28 Oct 2024 21:27 | YP/AJ | Ok |
| 39 | AR1242CCC500 | PO107452.D | 28 Oct 2024 21:45 | YP/AJ | Not Ok |
| 40 | AR1248CCC500 | PO107453.D | 28 Oct 2024 22:03 | YP/AJ | Ok,M |
| 41 | AR1254CCC500 | PO107454.D | 28 Oct 2024 22:21 | YP/AJ | Ok,M |
| 42 | I.BLK | PO107455.D | 28 Oct 2024 22:39 | YP/AJ | Ok |
| 43 | P4574-01 | PO107456.D | 28 Oct 2024 22:57 | YP/AJ | Ok |
| 44 | P4574-04 | PO107457.D | 28 Oct 2024 23:15 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2024 9:26:23 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 9:47:18 AM | | |
| SubDirectory | PO102824 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | P4575-01 | PO107458.D | 28 Oct 2024 23:33 | YP/AJ | Ok,M |
| 46 | P4577-01 | PO107459.D | 28 Oct 2024 23:51 | YP/AJ | Ok |
| 47 | P4578-03 | PO107460.D | 29 Oct 2024 00:09 | YP/AJ | Ok,M |
| 48 | P4578-04 | PO107461.D | 29 Oct 2024 00:27 | YP/AJ | Ok,M |
| 49 | P4578-05 | PO107462.D | 29 Oct 2024 00:45 | YP/AJ | Ok |
| 50 | P4578-07 | PO107463.D | 29 Oct 2024 01:03 | YP/AJ | Ok |
| 51 | AR1660CCC500 | PO107464.D | 29 Oct 2024 01:50 | YP/AJ | Ok |
| 52 | AR1242CCC500 | PO107465.D | 29 Oct 2024 02:08 | YP/AJ | Ok,M |
| 53 | AR1248CCC500 | PO107466.D | 29 Oct 2024 02:26 | YP/AJ | Ok,M |
| 54 | AR1254CCC500 | PO107467.D | 29 Oct 2024 02:44 | YP/AJ | Ok,M |
| 55 | I.BLK | PO107468.D | 29 Oct 2024 03:02 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP067585.D | 08 Oct 2024 15:58 | YP\AJ | Ok |
| 2 | I.BLK | PP067586.D | 08 Oct 2024 16:14 | YP\AJ | Ok |
| 3 | AR1660ICC1000 | PP067587.D | 08 Oct 2024 16:30 | YP\AJ | Ok |
| 4 | AR1660ICC750 | PP067588.D | 08 Oct 2024 16:46 | YP\AJ | Ok |
| 5 | AR1660ICC500 | PP067589.D | 08 Oct 2024 17:02 | YP\AJ | Ok |
| 6 | AR1660ICC250 | PP067590.D | 08 Oct 2024 17:19 | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | PP067591.D | 08 Oct 2024 17:35 | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | PP067592.D | 08 Oct 2024 17:51 | YP\AJ | Ok |
| 9 | AR1232ICC500 | PP067593.D | 08 Oct 2024 18:07 | YP\AJ | Ok |
| 10 | AR1242ICC1000 | PP067594.D | 08 Oct 2024 18:23 | YP\AJ | Ok |
| 11 | AR1242ICC750 | PP067595.D | 08 Oct 2024 18:39 | YP\AJ | Ok |
| 12 | AR1242ICC500 | PP067596.D | 08 Oct 2024 18:55 | YP\AJ | Ok,M |
| 13 | AR1242ICC250 | PP067597.D | 08 Oct 2024 19:12 | YP\AJ | Ok |
| 14 | AR1242ICC050 | PP067598.D | 08 Oct 2024 19:28 | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | PP067599.D | 08 Oct 2024 19:44 | YP\AJ | Ok |
| 16 | AR1248ICC750 | PP067600.D | 08 Oct 2024 20:00 | YP\AJ | Ok |
| 17 | AR1248ICC500 | PP067601.D | 08 Oct 2024 20:16 | YP\AJ | Ok |
| 18 | AR1248ICC250 | PP067602.D | 08 Oct 2024 20:32 | YP\AJ | Ok |
| 19 | AR1248ICC050 | PP067603.D | 08 Oct 2024 20:49 | YP\AJ | Ok |
| 20 | AR1254ICC1000 | PP067604.D | 08 Oct 2024 21:05 | YP\AJ | Ok |
| 21 | AR1254ICC750 | PP067605.D | 08 Oct 2024 21:21 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PP067606.D | 08 Oct 2024 21:37 | YP\AJ | Ok,M |
| 23 | AR1254ICC250 | PP067607.D | 08 Oct 2024 21:53 | YP\AJ | Ok |
| 24 | AR1254ICC050 | PP067608.D | 08 Oct 2024 22:09 | YP\AJ | Ok,M |
| 25 | AR1262ICC500 | PP067609.D | 08 Oct 2024 22:25 | YP\AJ | Ok,M |
| 26 | AR1268ICC1000 | PP067610.D | 08 Oct 2024 22:42 | YP\AJ | Ok,M |
| 27 | AR1268ICC750 | PP067611.D | 08 Oct 2024 22:58 | YP\AJ | Ok,M |
| 28 | AR1268ICC500 | PP067612.D | 08 Oct 2024 23:14 | YP\AJ | Ok,M |
| 29 | AR1268ICC250 | PP067613.D | 08 Oct 2024 23:30 | YP\AJ | Ok,M |
| 30 | AR1268ICC050 | PP067614.D | 08 Oct 2024 23:46 | YP\AJ | Ok,M |
| 31 | PP100824ICV500 | PP067615.D | 09 Oct 2024 00:02 | YP\AJ | Ok |
| 32 | AR1242ICV500 | PP067616.D | 09 Oct 2024 00:18 | YP\AJ | Ok,M |
| 33 | AR1248ICV500 | PP067617.D | 09 Oct 2024 00:34 | YP\AJ | Ok |
| 34 | AR1254ICV500 | PP067618.D | 09 Oct 2024 00:51 | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | PP067619.D | 09 Oct 2024 01:07 | YP\AJ | Ok,M |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP102924

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/30/2024 8:38:56 AM | | |
| Supervise By | Ankita | Supervise On | 10/30/2024 9:17:27 AM | | |
| SubDirectory | PP102924 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP068291.D | 29 Oct 2024 09:39 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP068292.D | 29 Oct 2024 09:55 | YP\AJ | Ok |
| 3 | AR1242CCC500 | PP068293.D | 29 Oct 2024 10:11 | YP\AJ | Ok |
| 4 | I.BLK | PP068294.D | 29 Oct 2024 10:27 | YP\AJ | Ok |
| 5 | P4563-01DL | PP068295.D | 29 Oct 2024 10:43 | YP\AJ | Ok |
| 6 | P4563-05DL | PP068296.D | 29 Oct 2024 10:59 | YP\AJ | Ok,M |
| 7 | P4563-06DL | PP068297.D | 29 Oct 2024 11:15 | YP\AJ | Ok |
| 8 | P4563-07DL | PP068298.D | 29 Oct 2024 11:31 | YP\AJ | Ok |
| 9 | AR1660CCC500 | PP068299.D | 29 Oct 2024 11:47 | YP\AJ | Ok,M |
| 10 | AR1242CCC500 | PP068300.D | 29 Oct 2024 12:03 | YP\AJ | Ok,M |
| 11 | AR1248CCC500 | PP068301.D | 29 Oct 2024 12:20 | YP\AJ | Ok,M |
| 12 | AR1254CCC500 | PP068302.D | 29 Oct 2024 13:29 | YP\AJ | Ok,M |
| 13 | I.BLK | PP068303.D | 29 Oct 2024 13:45 | YP\AJ | Ok |
| 14 | PB164493BL | PP068304.D | 29 Oct 2024 15:16 | YP\AJ | Ok |
| 15 | PB164493BS | PP068305.D | 29 Oct 2024 15:32 | YP\AJ | Ok,M |
| 16 | PB164493BSD | PP068306.D | 29 Oct 2024 15:48 | YP\AJ | Ok,M |
| 17 | P4564-01 | PP068307.D | 29 Oct 2024 16:05 | YP\AJ | Ok,M |
| 18 | P4578-01 | PP068308.D | 29 Oct 2024 16:21 | YP\AJ | Ok |
| 19 | P4578-02 | PP068309.D | 29 Oct 2024 16:37 | YP\AJ | Ok |
| 20 | P4596-04 | PP068310.D | 29 Oct 2024 16:53 | YP\AJ | Ok |
| 21 | P4596-07 | PP068311.D | 29 Oct 2024 17:10 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP102924

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/30/2024 8:38:56 AM | | |
| Supervise By | Ankita | Supervise On | 10/30/2024 9:17:27 AM | | |
| SubDirectory | PP102924 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1660CCC500 | PP068312.D | 29 Oct 2024 17:47 | YP\AJ | Ok |
| 23 | AR1242CCC500 | PP068313.D | 29 Oct 2024 18:04 | YP\AJ | Ok |
| 24 | AR1248CCC500 | PP068314.D | 29 Oct 2024 18:20 | YP\AJ | Ok,M |
| 25 | AR1254CCC500 | PP068315.D | 29 Oct 2024 18:36 | YP\AJ | Ok,M |
| 26 | I.BLK | PP068316.D | 29 Oct 2024 18:53 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO107180.D | 15 Oct 2024 13:05 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO107181.D | 15 Oct 2024 13:23 | need ICAL | YP/AJ | Not Ok |
| 3 | HEXANE | HEXANE | PO107182.D | 15 Oct 2024 17:50 | | YP/AJ | Ok |
| 4 | I.BLK | I.BLK | PO107183.D | 15 Oct 2024 18:08 | | YP/AJ | Ok |
| 5 | AR1660ICC1000 | AR1660ICC1000 | PO107184.D | 15 Oct 2024 18:27 | | YP/AJ | Ok |
| 6 | AR1660ICC750 | AR1660ICC750 | PO107185.D | 15 Oct 2024 18:45 | | YP/AJ | Ok |
| 7 | AR1660ICC500 | AR1660ICC500 | PO107186.D | 15 Oct 2024 19:03 | | YP/AJ | Ok |
| 8 | AR1660ICC250 | AR1660ICC250 | PO107187.D | 15 Oct 2024 19:21 | | YP/AJ | Ok |
| 9 | AR1660ICC050 | AR1660ICC050 | PO107188.D | 15 Oct 2024 19:39 | | YP/AJ | Ok,M |
| 10 | AR1221ICC500 | AR1221ICC500 | PO107189.D | 15 Oct 2024 19:57 | | YP/AJ | Ok |
| 11 | AR1232ICC500 | AR1232ICC500 | PO107190.D | 15 Oct 2024 20:15 | | YP/AJ | Ok |
| 12 | AR1242ICC1000 | AR1242ICC1000 | PO107191.D | 15 Oct 2024 20:34 | | YP/AJ | Ok |
| 13 | AR1242ICC750 | AR1242ICC750 | PO107192.D | 15 Oct 2024 20:52 | | YP/AJ | Ok |
| 14 | AR1242ICC500 | AR1242ICC500 | PO107193.D | 15 Oct 2024 21:10 | | YP/AJ | Ok |
| 15 | AR1242ICC250 | AR1242ICC250 | PO107194.D | 15 Oct 2024 21:28 | | YP/AJ | Ok |
| 16 | AR1242ICC050 | AR1242ICC050 | PO107195.D | 15 Oct 2024 21:46 | | YP/AJ | Ok |
| 17 | AR1248ICC1000 | AR1248ICC1000 | PO107196.D | 15 Oct 2024 22:04 | | YP/AJ | Ok |
| 18 | AR1248ICC750 | AR1248ICC750 | PO107197.D | 15 Oct 2024 22:22 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC500 | AR1248ICC500 | PO107198.D | 15 Oct 2024 22:41 | | YP/AJ | Ok |
| 20 | AR1248ICC250 | AR1248ICC250 | PO107199.D | 15 Oct 2024 22:59 | | YP/AJ | Ok |
| 21 | AR1248ICC050 | AR1248ICC050 | PO107200.D | 15 Oct 2024 23:17 | | YP/AJ | Ok |
| 22 | AR1254ICC1000 | AR1254ICC1000 | PO107201.D | 15 Oct 2024 23:35 | | YP/AJ | Ok |
| 23 | AR1254ICC750 | AR1254ICC750 | PO107202.D | 15 Oct 2024 23:53 | | YP/AJ | Ok |
| 24 | AR1254ICC500 | AR1254ICC500 | PO107203.D | 16 Oct 2024 00:11 | | YP/AJ | Ok |
| 25 | AR1254ICC250 | AR1254ICC250 | PO107204.D | 16 Oct 2024 00:29 | | YP/AJ | Ok |
| 26 | AR1254ICC050 | AR1254ICC050 | PO107205.D | 16 Oct 2024 00:47 | | YP/AJ | Ok |
| 27 | AR1262ICC500 | AR1262ICC500 | PO107206.D | 16 Oct 2024 01:05 | | YP/AJ | Ok |
| 28 | AR1268ICC1000 | AR1268ICC1000 | PO107207.D | 16 Oct 2024 01:23 | | YP/AJ | Ok |
| 29 | AR1268ICC750 | AR1268ICC750 | PO107208.D | 16 Oct 2024 01:41 | | YP/AJ | Ok |
| 30 | AR1268ICC500 | AR1268ICC500 | PO107209.D | 16 Oct 2024 01:59 | | YP/AJ | Ok |
| 31 | AR1268ICC250 | AR1268ICC250 | PO107210.D | 16 Oct 2024 02:18 | | YP/AJ | Ok |
| 32 | AR1268ICC050 | AR1268ICC050 | PO107211.D | 16 Oct 2024 02:36 | | YP/AJ | Ok,M |
| 33 | PO101524ICV500 | ICVPO101524 | PO107212.D | 16 Oct 2024 02:54 | | YP/AJ | Ok |
| 34 | AR1242ICV500 | ICVPO101524AR1242 | PO107213.D | 16 Oct 2024 03:12 | | YP/AJ | Ok |
| 35 | AR1248ICV500 | ICVPO101524AR1248 | PO107214.D | 16 Oct 2024 03:30 | | YP/AJ | Ok |
| 36 | AR1254ICV500 | ICVPO101524AR1254 | PO107215.D | 16 Oct 2024 03:48 | | YP/AJ | Ok |
| 37 | AR1268ICV500 | ICVPO101524AR1268 | PO107216.D | 16 Oct 2024 04:06 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2024 9:26:23 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 9:47:18 AM | | |
| SubDirectory | PO102824 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | I.BLK | I.BLK | PO107414.D | 28 Oct 2024 09:16 | | YP/AJ | Ok |
| 2 | AR1221ICC1000 | AR1221ICC1000 | PO107415.D | 28 Oct 2024 09:34 | | YP/AJ | Ok |
| 3 | AR1221ICC750 | AR1221ICC750 | PO107416.D | 28 Oct 2024 09:52 | | YP/AJ | Ok |
| 4 | AR1221ICC500 | AR1221ICC500 | PO107417.D | 28 Oct 2024 10:10 | | YP/AJ | Ok |
| 5 | AR1221ICC250 | AR1221ICC250 | PO107418.D | 28 Oct 2024 10:28 | | YP/AJ | Ok |
| 6 | AR1221ICC050 | AR1221ICC050 | PO107419.D | 28 Oct 2024 10:46 | | YP/AJ | Ok |
| 7 | AR1221ICV500 | ICVPO102824 | PO107420.D | 28 Oct 2024 11:04 | | YP/AJ | Ok |
| 8 | AR1660CCC500 | AR1660CCC500 | PO107421.D | 28 Oct 2024 11:22 | | YP/AJ | Ok |
| 9 | AR1221CCC500 | AR1221CCC500 | PO107422.D | 28 Oct 2024 11:40 | | YP/AJ | Ok |
| 10 | AR1254CCC500 | AR1254CCC500 | PO107423.D | 28 Oct 2024 11:58 | | YP/AJ | Ok,M |
| 11 | I.BLK | I.BLK | PO107424.D | 28 Oct 2024 12:16 | | YP/AJ | Ok |
| 12 | PB164405BL | PB164405BL | PO107425.D | 28 Oct 2024 12:34 | | YP/AJ | Ok |
| 13 | PB164405BS | PB164405BS | PO107426.D | 28 Oct 2024 12:52 | | YP/AJ | Ok |
| 14 | P4495-19 | PT-PCBO-SOIL | PO107427.D | 28 Oct 2024 13:10 | AR1221 hit-need 5X | YP/AJ | Dilution |
| 15 | P4495-19DL | PT-PCBO-SOILDL | PO107428.D | 28 Oct 2024 13:28 | AR1221 hit,dilution not match | YP/AJ | Not Ok |
| 16 | PB164403BL | PB164403BL | PO107429.D | 28 Oct 2024 13:46 | | YP/AJ | Ok |
| 17 | P4549-02RE | TT-067-IDWGW-20241 | PO107430.D | 28 Oct 2024 14:04 | DCB low in both column | YP/AJ | Confirms |
| 18 | P4549-03RE | TT-068-IDWGW-20241 | PO107431.D | 28 Oct 2024 14:22 | DCB low in both column | YP/AJ | Confirms |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2024 9:26:23 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 9:47:18 AM | | |
| SubDirectory | PO102824 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P4549-04RE | TT-069-IDWGW-20241 | PO107432.D | 28 Oct 2024 14:40 | DCB low in both column | YP/AJ | Confirms |
| 20 | P4545-01RE | VNJ-215RE | PO107433.D | 28 Oct 2024 14:58 | AR1254& 1260 Hit, DCB high in both column | YP/AJ | Confirms |
| 21 | P4495-19DL | PT-PCBO-SOILDL | PO107434.D | 28 Oct 2024 15:52 | AR1221 Hit | YP/AJ | Ok,M |
| 22 | AR1660CCC500 | AR1660CCC500 | PO107435.D | 28 Oct 2024 16:10 | | YP/AJ | Ok,M |
| 23 | AR1221CCC500 | AR1221CCC500 | PO107436.D | 28 Oct 2024 16:28 | | YP/AJ | Ok |
| 24 | AR1242CCC500 | AR1242CCC500 | PO107437.D | 28 Oct 2024 16:46 | | YP/AJ | Ok |
| 25 | AR1248CCC500 | AR1248CCC500 | PO107438.D | 28 Oct 2024 17:04 | | YP/AJ | Ok,M |
| 26 | AR1254CCC500 | AR1254CCC500 | PO107439.D | 28 Oct 2024 17:22 | | YP/AJ | Ok,M |
| 27 | I.BLK | I.BLK | PO107440.D | 28 Oct 2024 17:40 | | YP/AJ | Ok |
| 28 | PB164459BL | PB164459BL | PO107441.D | 28 Oct 2024 17:58 | | YP/AJ | Ok |
| 29 | PB164459BS | PB164459BS | PO107442.D | 28 Oct 2024 18:16 | | YP/AJ | Ok,M |
| 30 | P4561-01 | BP-F-19 | PO107443.D | 28 Oct 2024 18:34 | | YP/AJ | Ok |
| 31 | P4561-05 | BP-F-18 | PO107444.D | 28 Oct 2024 18:52 | | YP/AJ | Ok |
| 32 | P4566-01 | HD-01-102524 | PO107445.D | 28 Oct 2024 19:10 | | YP/AJ | Ok,M |
| 33 | P4566-01MS | HD-01-102524MS | PO107446.D | 28 Oct 2024 19:28 | | YP/AJ | Ok,M |
| 34 | P4566-01MSD | HD-01-102524MSD | PO107447.D | 28 Oct 2024 19:46 | | YP/AJ | Ok,M |
| 35 | P4567-01 | WC-1 | PO107448.D | 28 Oct 2024 20:04 | | YP/AJ | Ok |
| 36 | P4567-05 | WC-2 | PO107449.D | 28 Oct 2024 20:22 | | YP/AJ | Ok |
| 37 | P4567-09 | WC-3 | PO107450.D | 28 Oct 2024 20:40 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2024 9:26:23 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 9:47:18 AM | | |
| SubDirectory | PO102824 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | AR1660CCC500 | AR1660CCC500 | PO107451.D | 28 Oct 2024 21:27 | AR1016 - comp#3 low in 1st column , DCB low in 2nd column | YP/AJ | Ok |
| 39 | AR1242CCC500 | AR1242CCC500 | PO107452.D | 28 Oct 2024 21:45 | F flag in TCMX , DCB low in 2nd column , Comp#3,4 low in 1st column , Comp#4,5 low in 2nd column | YP/AJ | Not Ok |
| 40 | AR1248CCC500 | AR1248CCC500 | PO107453.D | 28 Oct 2024 22:03 | Comp#3 low in 1st column | YP/AJ | Ok,M |
| 41 | AR1254CCC500 | AR1254CCC500 | PO107454.D | 28 Oct 2024 22:21 | Comp#1 low in 1st column | YP/AJ | Ok,M |
| 42 | I.BLK | I.BLK | PO107455.D | 28 Oct 2024 22:39 | | YP/AJ | Ok |
| 43 | P4574-01 | GRAVEL-1 | PO107456.D | 28 Oct 2024 22:57 | | YP/AJ | Ok |
| 44 | P4574-04 | GRAVEL-2 | PO107457.D | 28 Oct 2024 23:15 | | YP/AJ | Ok |
| 45 | P4575-01 | PL-02-102424 | PO107458.D | 28 Oct 2024 23:33 | | YP/AJ | Ok,M |
| 46 | P4577-01 | TR-05-102524 | PO107459.D | 28 Oct 2024 23:51 | | YP/AJ | Ok |
| 47 | P4578-03 | WB-305-TOP | PO107460.D | 29 Oct 2024 00:09 | | YP/AJ | Ok,M |
| 48 | P4578-04 | WB-305-TOP-1 | PO107461.D | 29 Oct 2024 00:27 | | YP/AJ | Ok,M |
| 49 | P4578-05 | WB-305-BOT | PO107462.D | 29 Oct 2024 00:45 | | YP/AJ | Ok |
| 50 | P4578-07 | WB-305-BOT-1 | PO107463.D | 29 Oct 2024 01:03 | | YP/AJ | Ok |
| 51 | AR1660CCC500 | AR1660CCC500 | PO107464.D | 29 Oct 2024 01:50 | | YP/AJ | Ok |
| 52 | AR1242CCC500 | AR1242CCC500 | PO107465.D | 29 Oct 2024 02:08 | | YP/AJ | Ok,M |
| 53 | AR1248CCC500 | AR1248CCC500 | PO107466.D | 29 Oct 2024 02:26 | | YP/AJ | Ok,M |
| 54 | AR1254CCC500 | AR1254CCC500 | PO107467.D | 29 Oct 2024 02:44 | | YP/AJ | Ok,M |
| 55 | I.BLK | I.BLK | PO107468.D | 29 Oct 2024 03:02 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2024 9:26:23 AM | | |
| Supervise By | Ankita | Supervise On | 10/29/2024 9:47:18 AM | | |
| SubDirectory | PO102824 | HP Acquire Method | | HP Processing Method | PO101524 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

M : Manual Integration

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP067585.D | 08 Oct 2024 15:58 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | PP067586.D | 08 Oct 2024 16:14 | | YP\AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PP067587.D | 08 Oct 2024 16:30 | | YP\AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PP067588.D | 08 Oct 2024 16:46 | | YP\AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PP067589.D | 08 Oct 2024 17:02 | | YP\AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PP067590.D | 08 Oct 2024 17:19 | | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | AR1660ICC050 | PP067591.D | 08 Oct 2024 17:35 | | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PP067592.D | 08 Oct 2024 17:51 | | YP\AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PP067593.D | 08 Oct 2024 18:07 | | YP\AJ | Ok |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PP067594.D | 08 Oct 2024 18:23 | | YP\AJ | Ok |
| 11 | AR1242ICC750 | AR1242ICC750 | PP067595.D | 08 Oct 2024 18:39 | | YP\AJ | Ok |
| 12 | AR1242ICC500 | AR1242ICC500 | PP067596.D | 08 Oct 2024 18:55 | | YP\AJ | Ok,M |
| 13 | AR1242ICC250 | AR1242ICC250 | PP067597.D | 08 Oct 2024 19:12 | | YP\AJ | Ok |
| 14 | AR1242ICC050 | AR1242ICC050 | PP067598.D | 08 Oct 2024 19:28 | | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PP067599.D | 08 Oct 2024 19:44 | | YP\AJ | Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PP067600.D | 08 Oct 2024 20:00 | | YP\AJ | Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PP067601.D | 08 Oct 2024 20:16 | | YP\AJ | Ok |
| 18 | AR1248ICC250 | AR1248ICC250 | PP067602.D | 08 Oct 2024 20:32 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PP067603.D | 08 Oct 2024 20:49 | | YP\AJ | Ok |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PP067604.D | 08 Oct 2024 21:05 | | YP\AJ | Ok |
| 21 | AR1254ICC750 | AR1254ICC750 | PP067605.D | 08 Oct 2024 21:21 | | YP\AJ | Ok,M |
| 22 | AR1254ICC500 | AR1254ICC500 | PP067606.D | 08 Oct 2024 21:37 | | YP\AJ | Ok,M |
| 23 | AR1254ICC250 | AR1254ICC250 | PP067607.D | 08 Oct 2024 21:53 | | YP\AJ | Ok |
| 24 | AR1254ICC050 | AR1254ICC050 | PP067608.D | 08 Oct 2024 22:09 | | YP\AJ | Ok,M |
| 25 | AR1262ICC500 | AR1262ICC500 | PP067609.D | 08 Oct 2024 22:25 | | YP\AJ | Ok,M |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PP067610.D | 08 Oct 2024 22:42 | | YP\AJ | Ok,M |
| 27 | AR1268ICC750 | AR1268ICC750 | PP067611.D | 08 Oct 2024 22:58 | | YP\AJ | Ok,M |
| 28 | AR1268ICC500 | AR1268ICC500 | PP067612.D | 08 Oct 2024 23:14 | | YP\AJ | Ok,M |
| 29 | AR1268ICC250 | AR1268ICC250 | PP067613.D | 08 Oct 2024 23:30 | | YP\AJ | Ok,M |
| 30 | AR1268ICC050 | AR1268ICC050 | PP067614.D | 08 Oct 2024 23:46 | | YP\AJ | Ok,M |
| 31 | PP100824ICV500 | ICVPP100824 | PP067615.D | 09 Oct 2024 00:02 | | YP\AJ | Ok |
| 32 | AR1242ICV500 | ICVPP100824AR1242 | PP067616.D | 09 Oct 2024 00:18 | | YP\AJ | Ok,M |
| 33 | AR1248ICV500 | ICVPP100824AR1248 | PP067617.D | 09 Oct 2024 00:34 | | YP\AJ | Ok |
| 34 | AR1254ICV500 | ICVPP100824AR1254 | PP067618.D | 09 Oct 2024 00:51 | | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | ICVPP100824AR1268 | PP067619.D | 09 Oct 2024 01:07 | | YP\AJ | Ok,M |

M : Manual Integration

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP102924

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/30/2024 8:38:56 AM | | |
| Supervise By | Ankita | Supervise On | 10/30/2024 9:17:27 AM | | |
| SubDirectory | PP102924 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP068291.D | 29 Oct 2024 09:39 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP068292.D | 29 Oct 2024 09:55 | | YP\AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PP068293.D | 29 Oct 2024 10:11 | | YP\AJ | Ok |
| 4 | I.BLK | I.BLK | PP068294.D | 29 Oct 2024 10:27 | | YP\AJ | Ok |
| 5 | P4563-01DL | 100724-ADL | PP068295.D | 29 Oct 2024 10:43 | | YP\AJ | Ok |
| 6 | P4563-05DL | 100824-ADL | PP068296.D | 29 Oct 2024 10:59 | | YP\AJ | Ok,M |
| 7 | P4563-06DL | 100924-ADL | PP068297.D | 29 Oct 2024 11:15 | | YP\AJ | Ok |
| 8 | P4563-07DL | 100924-BDL | PP068298.D | 29 Oct 2024 11:31 | | YP\AJ | Ok |
| 9 | AR1660CCC500 | AR1660CCC500 | PP068299.D | 29 Oct 2024 11:47 | | YP\AJ | Ok,M |
| 10 | AR1242CCC500 | AR1242CCC500 | PP068300.D | 29 Oct 2024 12:03 | | YP\AJ | Ok,M |
| 11 | AR1248CCC500 | AR1248CCC500 | PP068301.D | 29 Oct 2024 12:20 | | YP\AJ | Ok,M |
| 12 | AR1254CCC500 | AR1254CCC500 | PP068302.D | 29 Oct 2024 13:29 | | YP\AJ | Ok,M |
| 13 | I.BLK | I.BLK | PP068303.D | 29 Oct 2024 13:45 | | YP\AJ | Ok |
| 14 | PB164493BL | PB164493BL | PP068304.D | 29 Oct 2024 15:16 | | YP\AJ | Ok |
| 15 | PB164493BS | PB164493BS | PP068305.D | 29 Oct 2024 15:32 | | YP\AJ | Ok,M |
| 16 | PB164493BSD | PB164493BSD | PP068306.D | 29 Oct 2024 15:48 | | YP\AJ | Ok,M |
| 17 | P4564-01 | 100324 | PP068307.D | 29 Oct 2024 16:05 | TCMX high in 2nd column | YP\AJ | Ok,M |
| 18 | P4578-01 | WB-305-SW | PP068308.D | 29 Oct 2024 16:21 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP102924

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/30/2024 8:38:56 AM | | |
| Supervise By | Ankita | Supervise On | 10/30/2024 9:17:27 AM | | |
| SubDirectory | PP102924 | HP Acquire Method | | HP Processing Method | PP100824 |

| 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 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P4578-02 | WB-305-SW-1 | PP068309.D | 29 Oct 2024 16:37 | | YP\AJ | Ok |
| 20 | P4596-04 | DL-1 | PP068310.D | 29 Oct 2024 16:53 | | YP\AJ | Ok |
| 21 | P4596-07 | TOTE-WATER-COMP | PP068311.D | 29 Oct 2024 17:10 | | YP\AJ | Ok,M |
| 22 | AR1660CCC500 | AR1660CCC500 | PP068312.D | 29 Oct 2024 17:47 | | YP\AJ | Ok |
| 23 | AR1242CCC500 | AR1242CCC500 | PP068313.D | 29 Oct 2024 18:04 | | YP\AJ | Ok |
| 24 | AR1248CCC500 | AR1248CCC500 | PP068314.D | 29 Oct 2024 18:20 | | YP\AJ | Ok,M |
| 25 | AR1254CCC500 | AR1254CCC500 | PP068315.D | 29 Oct 2024 18:36 | | YP\AJ | Ok,M |
| 26 | I.BLK | I.BLK | PP068316.D | 29 Oct 2024 18:53 | | YP\AJ | Ok |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 10/28/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 18:15
**In Date:** 10/25/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:38
**Out Date:** 10/26/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133131

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P4561-01 | BP-F-19 | 1 | 1.16 | 8.48 | 9.64 | 8.73 | 89.3 | |
| P4561-02 | BP-F-19-EPH | 2 | 1.16 | 8.50 | 9.66 | 8.77 | 89.5 | |
| P4561-03 | BP-F-19-VOC | 3 | 1.15 | 8.80 | 9.95 | 9.16 | 91.0 | |
| P4561-05 | BP-F-18 | 4 | 1.15 | 8.40 | 9.55 | 8.36 | 85.8 | |
| P4561-06 | BP-F-18-EPH | 5 | 1.13 | 8.44 | 9.57 | 8.29 | 84.8 | |
| P4561-07 | BP-F-18-VOC | 6 | 1.12 | 8.71 | 9.83 | 8.52 | 85.0 | |
| P4562-05 | SVOC-GPC-BLANK | 7 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-06 | PEST-GPC-BLANK | 8 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-07 | PEST-GPC-BLANK-SPIKE | 9 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-08 | PCB-GPC-BLANK | 10 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-09 | PCB-GPC-BLANK-SPIKE | 11 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-10 | SVOC-GPC2-BLANK | 12 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-11 | PEST-GPC2-BLANK | 13 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-12 | PEST-GPC2-BLANK-SPIKE | 14 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-13 | PCB-GPC2-BLANK | 15 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4562-14 | PCB-GPC2-BLANK-SPIKE | 16 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| P4563-01 | 100724-A | 26 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-02 | 100724-B | 27 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-03 | 100724-C | 28 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-04 | 100724-D | 29 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-05 | 100824-A | 30 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-06 | 100924-A | 31 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-07 | 100924-B | 32 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-08 | 101424-A | 33 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-09 | 102324-A | 34 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-10 | 102524-A | 35 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-11 | FITTING-1 | 36 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4563-12 | FITTING-2 | 37 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 10/28/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 18:15
**In Date:** 10/25/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:38
**Out Date:** 10/26/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133131

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P4565-01 | 2054 | 38 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4565-02 | 2055 | 39 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4565-03 | 2056 | 40 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4565-04 | 2057 | 41 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4565-05 | 2058 | 42 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4565-06 | 2059 | 43 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | wipe sample |
| P4566-01 | HD-01-102524 | 44 | 1.14 | 8.57 | 9.71 | 9.47 | 97.2 | |
| P4566-02 | HD-01-102524-E2 | 45 | 1.13 | 8.84 | 9.97 | 9.42 | 93.8 | |
| P4567-01 | WC-1 | 17 | 1.16 | 8.50 | 9.66 | 8.89 | 90.9 | |
| P4567-02 | WC-1-EPH | 18 | 1.13 | 8.67 | 9.8 | 8.99 | 90.7 | |
| P4567-03 | WC-1-VOC | 19 | 1.18 | 8.35 | 9.53 | 9.05 | 94.3 | |
| P4567-05 | WC-2 | 20 | 1.11 | 8.58 | 9.69 | 8.99 | 91.8 | |
| P4567-06 | WC-2-EPH | 21 | 1.18 | 8.79 | 9.97 | 9.12 | 90.3 | |
| P4567-07 | WC-2-VOC | 22 | 1.16 | 8.46 | 9.62 | 9.46 | 98.1 | |
| P4567-09 | WC-3 | 23 | 1.17 | 8.41 | 9.58 | 8.69 | 89.4 | |
| P4567-10 | WC-3-EPH | 24 | 1.19 | 8.78 | 9.97 | 9.17 | 90.9 | |
| P4567-11 | WC-3-VOC | 25 | 1.14 | 8.82 | 9.96 | 9.19 | 91.3 | |
| P4574-01 | GRAVEL-1 | 50 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | stone sample, 100 % solids |
| P4574-02 | GRAVEL-1-E2 | 51 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | stone sample, 100 % solids |
| P4574-04 | GRAVEL-2 | 52 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | stone sample, 100 % solids |
| P4574-05 | GRAVEL-2-E2 | 53 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | stone sample, 100 % solids |
| P4574-07 | CONCRETE-1 | 54 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | CONCRETE sample |
| P4574-09 | CONCRETE-2 | 55 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | CONCRETE sample |
| P4574-11 | CONCRETE-3 | 56 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | CONCRETE sample |
| P4575-01 | PL-02-102424 | 57 | 1.15 | 8.42 | 9.57 | 8.84 | 91.3 | |
| P4575-02 | PL-02-102424-E2 | 58 | 1.15 | 8.83 | 9.98 | 8.99 | 88.8 | |
| P4576-01 | 1097 | 59 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE SAMPLE |
| P4576-02 | 1098 | 60 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | WIPE Sample |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 10/28/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 18:15
**In Date:** 10/25/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:38
**Out Date:** 10/26/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133131

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P4577-01 | TR-05-102524 | 61 | 1.18 | 8.40 | 9.58 | 9.03 | 93.5 | |
| P4577-02 | TR-05-102524-E2 | 62 | 1.17 | 8.53 | 9.7 | 9.03 | 92.1 | |
| P4578-03 | WB-305-TOP | 46 | 1.15 | 8.81 | 9.96 | 5.89 | 53.8 | |
| P4578-04 | WB-305-TOP-1 | 47 | 1.12 | 8.82 | 9.94 | 6.3 | 58.7 | |
| P4578-05 | WB-305-BOT | 48 | 1.15 | 8.81 | 9.96 | 8.38 | 82.1 | |
| P4578-07 | WB-305-BOT-1 | 49 | 1.13 | 8.86 | 9.99 | 9.49 | 94.4 | |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VD 133131

**WorkList Name :** %1-102524 **WorkList ID :** 184773 **Department :** Wet-Chemistry **Date :** 10-25-2024 09:56:39

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4561-01 | BP-F-19 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4561-02 | BP-F-19-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4561-03 | BP-F-19-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4561-05 | BP-F-18 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4561-06 | BP-F-18-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4561-07 | BP-F-18-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4562-05 | SVOC-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-06 | PEST-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-07 | PEST-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-08 | PCB-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-09 | PCB-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-10 | SVOC-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-11 | PEST-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-12 | PEST-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-13 | PCB-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4562-14 | PCB-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | K11 | 10/25/2024 | Chemtech -SO |
| P4563-01 | 100724-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-02 | 100724-B | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-03 | 100724-C | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-04 | 100724-D | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-05 | 100824-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |

**Date/Time** 10/25/24 16:30

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** [illegible]

**Date/Time** 10/25/24 18:30

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** [illegible]

# WORKLIST(Hardcopy Internal Chain)

LB13313)

**WorkList Name :** %1-102524 **WorkList ID :** 184773 **Department :** Wet-Chemistry **Date :** 10-25-2024 09:56:39

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4563-06 | 100924-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-07 | 100924-B | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-08 | 101424-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-09 | 102324-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-10 | 102524-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-11 | FITTING-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4563-12 | FITTING-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4565-01 | 2054 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4565-02 | 2055 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4565-03 | 2056 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4565-04 | 2057 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4565-05 | 2058 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4565-06 | 2059 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4566-01 | HD-01-102524 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | Chemtech -SO |
| P4566-02 | HD-01-102524-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | Chemtech -SO |
| P4567-01 | WC-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4567-02 | WC-1-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4567-03 | WC-1-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4567-05 | WC-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4567-06 | WC-2-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4567-07 | WC-2-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |

**Date/Time** 10/25/24 16:30

**Raw Sample Received by:** JD WC

**Raw Sample Relinquished by:** L.C

**Date/Time** 10/25/24 18:30

**Raw Sample Received by:** L.C JM

**Raw Sample Relinquished by:** JD WC

# WORKLIST(Hardcopy Internal Chain)

UB133131

**WorkList Name :** %1-102524 **WorkList ID :** 184773 **Department :** Wet-Chemistry **Date :** 10-25-2024 09:56:39

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4567-09 | WC-3 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4567-10 | WC-3-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4567-11 | WC-3-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | Chemtech -SO |
| P4574-01 | GRAVEL-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4574-02 | GRAVEL-1-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4574-04 | GRAVEL-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4574-05 | GRAVEL-2-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4574-07 | CONCRETE-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4574-09 | CONCRETE-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4574-11 | CONCRETE-3 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4575-01 | PL-02-102424 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | Chemtech -SO |
| P4575-02 | PL-02-102424-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | Chemtech -SO |
| P4576-01 | 1097 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4576-02 | 1098 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | Chemtech -SO |
| P4577-01 | TR-05-102524 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | Chemtech -SO |
| P4577-02 | TR-05-102524-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | Chemtech -SO |
| P4578-03 | WB-305-TOP | Solid | Percent Solids | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | Chemtech -SO |
| P4578-04 | WB-305-TOP-1 | Solid | Percent Solids | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | Chemtech -SO |
| P4578-05 | WB-305-BOT | Solid | Percent Solids | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | Chemtech -SO |
| P4578-07 | WB-305-BOT-1 | Solid | Percent Solids | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | Chemtech -SO |

**Date/Time** 10/25/24 16:30

**Raw Sample Received by:** JD WDC

**Raw Sample Relinquished by:** L.C. Sm

**Date/Time** 10/25/24 18:30

**Raw Sample Received by:** L.C. Sm

**Raw Sample Relinquished by:** JD WDC

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB164459

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | Acid Cleanup | | | **Extraction Start Date :** | 10/28/2024 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:30 |
| **Weigh By:** | RJ | **Extraction By:** | RJ | **Extraction End Date :** | 10/28/2024 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 11:30 |
| **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 | PP23640 |
| Surrogate | 1.0ML | 200 PPB | PP23858 |
| 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/Acetone/1:1 | N/A | EP2539 |
| Baked Na2SO4 | N/A | EP2554 |
| Hexane | N/A | E3819 |
| Sand | N/A | E2865 |
| H2SO4 1:1 | N/A | EP2548 |
| 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 |
| N/A | N/A | N/A |

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

40 ML Vial lot# 03-40BTS721.

| | | | |
|---|---|---|---|
| **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 |
|---|---|---|
| 10/28/24 | RP (Ext Tech) | SR. Pest/PCB Cey |
| 11:35 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB164459**

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

**Concentration Date:** 10/28/2024

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB164459BL | ABLK459 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | | | U7-1 |
| PB164459BS | ALCS459 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | | | 2 |
| P4561-01 | BP-F-19 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | B | | 3 |
| P4561-05 | BP-F-18 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | B | | 4 |
| P4566-01 | HD-01-102524 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| P4566-01MS | HD-01-102524MS | PCB | 30.06 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| P4566-01MSD | HD-01-102524MSD | PCB | 30.08 | N/A | ritesh | Evelyn | 10 | E | | U5-1 |
| P4567-01 | WC-1 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | B | | 2 |
| P4567-05 | WC-2 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | B | | 3 |
| P4567-09 | WC-3 | PCB | 30.06 | N/A | ritesh | Evelyn | 10 | B | | 4 |
| P4574-01 | GRAVEL-1 | PCB | 30.09 | N/A | ritesh | Evelyn | 10 | E | Stone | 5 |
| P4574-04 | GRAVEL-2 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | Stone | 6 |
| P4575-01 | PL-02-102424 | PCB | 30.07 | N/A | ritesh | Evelyn | 10 | E | | U6-1 |
| P4577-01 | TR-05-102524 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| P4578-03 | WB-305-TOP | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| P4578-04 | WB-305-TOP-1 | PCB | 30.08 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| P4578-05 | WB-305-BOT | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| P4578-07 | WB-305-BOT-1 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 6 |

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

10/28/24

164459
8:30

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** p4561 **WorkList ID :** 184849 **Department :** Extraction **Date :** 10-28-2024 08:22:03

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4561-01 | BP-F-19 | Solid | PCB | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | 8082A |
| P4561-05 | BP-F-18 | Solid | PCB | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | 8082A |
| P4566-01 | HD-01-102524 | Solid | PCB | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | 8082A |
| P4567-01 | WC-1 | Solid | PCB | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | 8082A |
| P4567-05 | WC-2 | Solid | PCB | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | 8082A |
| P4567-09 | WC-3 | Solid | PCB | Cool 4 deg C | PSEG03 | K61 | 10/25/2024 | 8082A |
| P4574-01 | GRAVEL-1 | Solid | PCB | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | 8082A |
| P4574-04 | GRAVEL-2 | Solid | PCB | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | 8082A |
| P4575-01 | PL-02-102424 | Solid | PCB | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | 8082A |
| P4577-01 | TR-05-102524 | Solid | PCB | Cool 4 deg C | PSEG05 | K63 | 10/25/2024 | 8082A |
| P4578-03 | WB-305-TOP | Solid | PCB | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | 8082A |
| P4578-04 | WB-305-TOP-1 | Solid | PCB | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | 8082A |
| P4578-05 | WB-305-BOT | Solid | PCB | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | 8082A |
| P4578-07 | WB-305-BOT-1 | Solid | PCB | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | 8082A |

**Date/Time** 10/28/24 8:25
**Raw Sample Received by:** RJ (Set 1 of 2)
**Raw Sample Relinquished by:** JDCSM



**Date/Time** 10/28/24 9:00
**Raw Sample Received by:** JDCSM
**Raw Sample Relinquished by:** RJ (Set 1 of 2)

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB164493

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3510C,3580A-Extraction PCB-14 | | | | |
| **Clean Up SOP #:** | Acid Cleanup | | | **Extraction Start Date :** | 10/29/2024 |
| **Matrix :** | Water | | | **Extraction Start Time :** | 08:50 |
| **Weigh By:** | N/A | **Extraction By:** | RJ | **Extraction End Date :** | 10/29/2024 |
| **Balance check:** | N/A | **Filter By:** | RJ | **Extraction End Time :** | 13:45 |
| **Balance ID:** | N/A | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | E3574 | **Hood ID:** | 4,6,7 | **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 |
|---|---|---|---|
| Surrogate | 1.0ML | 200 PPB | PP23858 |
| Spike Sol 1 | 1.0ML | 5000 PPB | PP23640 |
| 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 |
|---|---|---|
| Methylene Chloride | N/A | E3822 |
| Baked Na2SO4 | N/A | EP2546 |
| Hexane | N/A | E3819 |
| H2SO4 1:1 | N/A | EP2524 |
| 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 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

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

40 ML Vial lot# 03-40 BTS721. P4578-01,02 Limited volume recd.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | WATER BATH-1,2 | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | 60 °C | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 10/29/24 | RP (Ener Lab) | Y.P-Pest/PCB. |
| 13:30 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB164493**

**Analytical Method:** M3510C,3580A-Extraction PCB-14 **Concentration Date:** 10/25/2024

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB164493BL | ABLK493 | PCB | 1000 | 6 | ritesh | rajesh | 10 | | | SEP-1 |
| PB164493BS | ALCS493 | PCB | 1000 | 6 | ritesh | rajesh | 10 | | | 2 |
| PB164493BSD | ALCSD493 | PCB | 1000 | 6 | ritesh | rajesh | 10 | | | 3 |
| P4564-01 | 100324 | PCB | 1000 | 6 | ritesh | rajesh | 10 | B | | 4 |
| P4578-01 | WB-305-SW | PCB | 490 | 6 | ritesh | rajesh | 5 | C | | 5 |
| P4578-02 | WB-305-SW-1 | PCB | 490 | 6 | ritesh | rajesh | 5 | C | | 6 |
| P4596-04 | DL-1 | PCB | 1000 | 6 | ritesh | rajesh | 10 | C | | 7 |
| P4596-07 | TOTE-WATER-COMP | PCB | 990 | 6 | ritesh | rajesh | 10 | E | | 8 |

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

10/25/24

1644 8:30

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** P4564PCB **WorkList ID :** 184894 **Department :** Extraction **Date :** 10-29-2024 08:41:24

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4564-01 | 100324 | Water | PCB | Cool 4 deg C | PSEG03 | K63 | 10/25/2024 | 8082A |
| P4578-01 | WB-305-SW | Water | PCB | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | 8082A |
| P4578-02 | WB-305-SW-1 | Water | PCB | Cool 4 deg C | PORT06 | K63 | 10/25/2024 | 8082A |
| P4596-04 | DL-1 | Water | PCB | Cool 4 deg C | PSEG03 | K61 | 10/28/2024 | 8082A |
| P4596-07 | TOTE-WATER-COMP | Water | PCB | Cool 4 deg C | PSEG03 | K61 | 10/28/2024 | 8082A |

**Date/Time** 10/29/24 8:45

**Raw Sample Received by:** KJ (Set-Up)

**Raw Sample Relinquished by:**



**Date/Time** 10/29/24 9:30

**Raw Sample Received by:**

**Raw Sample Relinquished by:** KJ (Set-Up)

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

# Prep Standard - Chemical Standard Summary

**Order ID :** P4578

**Test :** PCB

**Prepbatch ID :** PB164459,PB164493,

**Sequence ID/Qc Batch ID:** po102824,PP102924,

**Standard ID :**

EP2524,EP2539,EP2546,EP2548,EP2554,PP23640,PP23733,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,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23858,

**Chemical ID :**

E2865,E3551,E3788,E3792,E3793,E3804,E3805,E3815,E3819,E3822,M5037,M5178,P10483,P10500,P 11507,P11512,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12946,P12947,P12957,P13033,P13350,P13351,P13372,W3112,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 314 | 1.1 H2SO4 SOLN | EP2524 | 08/14/2024 | 12/15/2024 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 08/14/2024 |

**FROM** 1000.00000ml of M5037 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 230 | 1:1ACETONE/HEXANE | EP2539 | 09/17/2024 | 03/11/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 09/17/2024 |

**FROM** 4000.00000ml of E3792 + 4000.00000ml of E3793 = Final Quantity: 8000.000 ml

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2546 | 10/11/2024 | 01/03/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Rajesh Parikh 10/11/2024 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 314 | 1.1 H2SO4 SOLN | EP2548 | 10/16/2024 | 04/16/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 10/16/2024 |

**FROM** 1000.00000ml of W3112 + 4000.00000ml of M5178 = Final Quantity: 2000.000 ml

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2554 | 10/26/2024 | 01/03/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Rajesh Parikh 10/26/2024 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3857 | 5000 PPB PCB SPIKE SOLUTION 2ND SOURCE | PP23640 | 09/09/2024 | 01/12/2025 | Ankita Jodhani | None | None | Yogesh Patel 09/10/2024 |

**FROM** 0.50000ml of P12946 + 99.50000ml of E3788 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 84 | Pest/PCB Surrogate Stock 20 PPM | PP23733 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 202 | AR1660 1000/100 ppb working solution 1st source | PP23735 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 203 | AR1660 750 PPB STD | PP23736 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 204 | AR1660 500 PPB STD | PP23737 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 205 | AR1660 250 PPB STD | PP23738 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 206 | AR1660 50 PPB STD | PP23739 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 213 | AR1221 1000 PPB WORKING SOLUTION | PP23740 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1079 | AR1221 750 PPB STD | PP23741 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 222 | AR1221 500 PPB STD | PP23742 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1080 | AR1221 250 PPB STD | PP23743 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1081 | AR1221 50 PPB STD | PP23744 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 214 | AR1232 1000 PPB WORKING SOLUTION | PP23745 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1063 | AR1232 750 PPB STD | PP23747 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 223 | AR1232 500 PPB STD | PP23748 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1064 | AR1232 250 PPB STD | PP23749 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1065 | AR1232 50 PPB STD | PP23750 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 215 | AR1242 1000 PPB WORKING STD | PP23751 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1067 | AR1242 750 PPB STD | PP23752 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

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

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 224 | AR1242 500 PPB STD | PP23753 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1068 | AR1242 250 PPB STD | PP23754 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1069 | AR1242 50 PPB STD | PP23755 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 216 | AR1248 1000 PPB WORKING STD | PP23756 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1075 | AR1248 750 PPB STD | PP23757 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 225 | AR1248 500 PPB STD | PP23758 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1076 | AR1248 250 PPB STD | PP23759 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1077 | AR1248 50 PPB STD | PP23760 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 217 | AR1254 1000 PPB WORKING STD | PP23761 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1071 | AR1254 750 PPB STD | PP23762 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 226 | AR1254 500 PPB STD | PP23763 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1072 | AR1254 250 PPB STD | PP23764 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1073 | AR1254 50 PPB STD | PP23765 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1529 | AR1262 1000 PPB Working Solution | PP23766 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3753 | AR1262 750 PPB STD | PP23767 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1530 | AR1262 500 PPB STD | PP23768 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3754 | AR1262 250 PPB STD | PP23769 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3755 | AR1262 50 PPB STD | PP23770 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1532 | AR1268 1000 PPB Working Solution | PP23771 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3820 | AR1268 750 PPB STD | PP23772 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1533 | AR1268 500 PPB STD | PP23773 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3821 | AR1268 250 PPB STD | PP23774 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3822 | AR1268 50 PPB STD | PP23775 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 404 | AR1660 100 PPM Stock Solution 2nd Source | PP23776 | 10/03/2024 | 04/01/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 405 | AR1660 1000/100 PPB ICV STD | PP23777 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 406 | AR1660 500 PPB ICV | PP23778 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3789 | AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT) | PP23779 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3790 | AR1221 500 PPB ICV(AGILENT) | PP23780 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1887 | AR1232 1000 PPB Working Sol. 2nd Source | PP23781 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1889 | AR1242 1000 PPB Working Sol. 2nd Source | PP23782 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1888 | AR1232 500 PPB ICV | PP23783 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1891 | AR1242 500 PPB ICV | PP23784 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1890 | AR1248 1000 PPB Working Sol. 2nd Source | PP23785 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1892 | AR1248 500 PPB ICV | PP23786 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1893 | AR1254 1000 PPB Working Sol. 2nd Source | PP23787 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1894 | AR1254 500 PPB ICV | PP23788 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3757 | AR1262 1000 PPB Working Solution second source | PP23789 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3758 | AR1262 500 PPB STD ICV | PP23790 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 465 | 200 PPB Pest/PCB Surrogate Spike | PP23858 | 10/14/2024 | 04/04/2025 | Abdul Mirza | None | None | Ankita Jodhani 10/14/2024 |

**FROM** 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 12/31/2024 | 04/30/2020 / RAJESH | 04/28/2020 / RAJESH | E2865 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 01/03/2025 | 01/03/2024 / Rajesh | 07/20/2023 / Rajesh | E3551 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 23H1462005 | 04/23/2025 | 08/13/2024 / Rajesh | 08/13/2024 / Rajesh | E3788 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/11/2025 | 09/12/2024 / Rajesh | 09/11/2024 / Rajesh | E3792 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | 9005-05 / Acetone Ultra (cs/4x4L) | 24E0761004 | 03/11/2025 | 09/12/2024 / Rajesh | 09/11/2024 / Rajesh | E3793 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | 9005-05 / Acetone Ultra (cs/4x4L) | 24E0761004 | 04/23/2025 | 10/01/2024 / Rajesh | 09/25/2024 / Rajesh | E3804 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/30/2025 | 09/30/2024 / Rajesh | 09/25/2024 / Rajesh | E3805 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 04/04/2025 | 10/04/2024 / Rajesh | 10/04/2024 / Rajesh | E3815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 04/15/2025 | 10/15/2024 / Rajesh | 10/09/2024 / Rajesh | E3819 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24I2662006 | 04/23/2025 | 10/24/2024 / Rajesh | 10/24/2024 / Rajesh | E3822 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000250349 | 12/15/2024 | 01/06/2022 / mohan | 09/18/2021 / mohan | M5037 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000281827 | 03/29/2026 | 05/25/2022 / william | 04/05/2022 / william | M5178 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul | A0163157 | 04/03/2025 | 10/03/2024 / Ankita | 03/19/2021 / Abdul | P10483 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane | A0167722 | 04/03/2025 | 10/03/2024 / Ankita | 03/19/2021 / Ankita | P10500 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-312-1 / Aroclor 1242 | 0006665550 | 04/03/2025 | 10/03/2024 / Ankita | 02/21/2022 / Ankita | P11507 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-342-1 / Aroclor 1248 | 0006626997 | 04/03/2025 | 10/03/2024 / Ankita | 02/21/2022 / Ankita | P11512 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul | A0175456 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11581 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul | A0173309 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11587 |

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul | A0175403 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11590 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane | A0181782 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11597 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | 91867 / Aroclor 1232 100 ug/mL | 020823 | 04/03/2025 | 10/03/2024 / Ankita | 08/07/2023 / Ankita | P12698 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul | a0203672 | 04/03/2025 | 10/03/2024 / Ankita | 12/07/2023 / Ankita | P12929 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul | a0202803 | 04/03/2025 | 10/03/2024 / Ankita | 12/07/2023 / Ankita | P12934 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 01/12/2025 | 07/12/2024 / Abdul | 12/20/2023 / Yogesh | P12946 |

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P12947 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / Arochlor 1254 | 121823 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P12957 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | 90165 / Aroclor 1262 | 112322 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P13033 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 04/03/2025 | 10/03/2024 / Ankita | 04/22/2024 / Abdul | P13350 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 04/14/2025 | 10/14/2024 / Abdul | 04/22/2024 / Abdul | P13351 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 04/03/2025 | 10/03/2024 / Ankita | 05/02/2024 / Ankita | P13372 |

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Substances Soluble in HCl | <= 0.16 % | 0.01 |

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| PRODUCT : | SODIUM SULFATE CRYSTALS ANHYDROUS | | |
| QUALITY : | ACS (CODE RMB3375) | FORMULA : | $Na_2SO_4$ |
| SPECIFICATION NUMBER : | 6399 | RELEASE DATE: | ABR/21/2023 |
| LOT NUMBER : | 313201 | | |

| TEST | SPECIFICATIONS | LOT VALUES |
|---|---|---|
| Assay ($Na_2SO_4$) | Min. 99.0% | 99.7 % |
| pH of a 5% solution at 25°C | 5.2 - 9.2 | 6.1 |
| Insoluble matter | Max. 0.01% | 0.005 % |
| Loss on ignition | Max. 0.5% | 0.1 % |
| Chloride (Cl) | Max. 0.001% | <0.001 % |
| Nitrogen compounds (as N) | Max. 5 ppm | <5 ppm |
| Phosphate ($PO_4$) | Max. 0.001% | <0.001 % |
| Heavy metals (as Pb) | Max. 5 ppm | <5 ppm |
| Iron (Fe) | Max. 0.001% | <0.001 % |
| Calcium (Ca) | Max. 0.01% | 0.002 % |
| Magnesium (Mg) | Max. 0.005% | 0.001 % |
| Potassium (K) | Max. 0.008% | 0.003 % |
| Extraction-concentration suitability | Passes test | Passes test |
| Appearance | Passes test | Passes test |
| Identification | Passes test | Passes test |
| Solubility and foreing matter | Passes test | Passes test |
| Retained on US Standard No. 10 sieve | Max. 1% | 0.1 % |
| Retained on US Standard No. 60 sieve | Min. 94% | 97.3 % |
| Through US Standard No. 60 sieve | Max. 5% | 2.5 % |
| Through US Standard No. 100 sieve | Max. 10% | 0.1 % |

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.4 % | 99.7 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.3 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.6 | < 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.3 % |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.4 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.5 % | 99.8 % |
| Color (APHA) | ≤ 10 | < 5 |
| Residue after Evaporation | ≤ 5 ppm | < 1 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.5 | 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.1 % |
| Solubility in $H_2O$ | Passes Test | Passes Test |
| Chloride (Cl) | ≤ 0.2 ppm | < 0.2 ppm |
| Phosphate ($PO_4$) | ≤ 0.05 ppm | < 0.05 ppm |
| Trace Impurities - Aluminum (Al) | ≤ 50.0 ppb | < 5.0 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 5.0 ppb |
| Trace Impurities - Barium (Ba) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Beryllium (Be) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Bismuth (Bi) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities - Boron (B) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Cadmium (Cd) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Calcium (Ca) | ≤ 25.0 ppb | 3.6 ppb |
| Trace Impurities - Chromium (Cr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Cobalt (Co) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Copper (Cu) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Gallium (Ga) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Germanium (Ge) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Gold (Au) | ≤ 20 ppb | < 5 ppb |
| Trace Impurities - Iron (Fe) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Lead (Pb) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Lithium (Li) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Magnesium (Mg) | ≤ 20 ppb | < 1 ppb |
| Trace Impurities - Manganese (Mn) | ≤ 10.0 ppb | < 1.0 ppb |

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Molybdenum (Mo) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Niobium (Nb) | ≤ 50.0 ppb | < 1.0 ppb |
| Trace Impurities – Potassium (K) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities – Silicon (Si) | ≤ 50 ppb | < 10 ppb |
| Trace Impurities – Silver (Ag) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Sodium (Na) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Strontium (Sr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Tantalum (Ta) | ≤ 50.0 ppb | < 5.0 ppb |
| Trace Impurities – Thallium (Tl) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Tin (Sn) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities – Titanium (Ti) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Vanadium (V) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Zinc (Zn) | ≤ 20.0 ppb | 7.9 ppb |
| Trace Impurities – Zirconium (Zr) | ≤ 10.0 ppb | < 1.0 ppb |
| Particle Count – 0.5 µm and greater (Rion KS42AF) | ≤ 100 par/ml | 8 par/ml |
| Particle Count – 1.0 µm and greater (Rion KS42AF) | ≤ 8 par/ml | 2 par/ml |

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.5 % | 99.8 % |
| Color (APHA) | ≤ 10 | < 5 |
| Residue after Evaporation | ≤ 5 ppm | < 1 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.5 | 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.1 % |
| Solubility in $H_2O$ | Passes Test | Passes Test |
| Chloride (Cl) | ≤ 0.2 ppm | < 0.2 ppm |
| Phosphate ($PO_4$) | ≤ 0.05 ppm | < 0.05 ppm |
| Trace Impurities - Aluminum (Al) | ≤ 50.0 ppb | < 5.0 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 5.0 ppb |
| Trace Impurities - Barium (Ba) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Beryllium (Be) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Bismuth (Bi) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities - Boron (B) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Cadmium (Cd) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Calcium (Ca) | ≤ 25.0 ppb | 3.6 ppb |
| Trace Impurities - Chromium (Cr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Cobalt (Co) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Copper (Cu) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Gallium (Ga) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Germanium (Ge) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Gold (Au) | ≤ 20 ppb | < 5 ppb |
| Trace Impurities - Iron (Fe) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Lead (Pb) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Lithium (Li) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Magnesium (Mg) | ≤ 20 ppb | < 1 ppb |
| Trace Impurities - Manganese (Mn) | ≤ 10.0 ppb | < 1.0 ppb |

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Molybdenum (Mo) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Niobium (Nb) | ≤ 50.0 ppb | < 1.0 ppb |
| Trace Impurities – Potassium (K) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities – Silicon (Si) | ≤ 50 ppb | < 10 ppb |
| Trace Impurities – Silver (Ag) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Sodium (Na) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Strontium (Sr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Tantalum (Ta) | ≤ 50.0 ppb | < 5.0 ppb |
| Trace Impurities – Thallium (Tl) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Tin (Sn) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities – Titanium (Ti) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Vanadium (V) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Zinc (Zn) | ≤ 20.0 ppb | 7.9 ppb |
| Trace Impurities – Zirconium (Zr) | ≤ 10.0 ppb | < 1.0 ppb |
| Particle Count – 0.5 µm and greater (Rion KS42AF) | ≤ 100 par/ml | 8 par/ml |
| Particle Count – 1.0 µm and greater (Rion KS42AF) | ≤ 8 par/ml | 2 par/ml |

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.4 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | 3 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.1 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/09/24

E 3819

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24I2662006
Manufactured Date: 2024-08-29
Expiration Date:2025-11-28
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 2 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 3 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 99.9 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3822

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M5037-38-39-40
ND

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay ($H_2SO_4$) | 95.0 - 98.0 % | 96.5 |
| Appearance | Passes Test | PT |
| ACS - Color (APHA) | <= 10 | 5 |
| ACS - Residue after Ignition | <= 3 ppm | 1 |
| ACS - Substances Reducing Permanganate (as $SO_2$) | <= 2 ppm | < 2 |
| Ammonium ($NH_4$) | <= 1 ppm | < 1 |
| Chloride (Cl) | <= 0.1 ppm | < 0.1 |
| Nitrate ($NO_3$) | <= 0.2 ppm | < 0.1 |
| Phosphate ($PO_4$) | <= 0.5 ppm | < 0.1 |
| Trace Impurities - Aluminum (Al) | <= 30.0 ppb | 0.2 |
| Arsenic and Antimony (as As) | <= 4 ppb | < 2 |
| Trace Impurities - Barium (Ba) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Beryllium (Be) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Bismuth (Bi) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Boron (B) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Cadmium (Cd) | <= 2.0 ppb | < 0.3 |
| Trace Impurities - Calcium (Ca) | <= 50.0 ppb | 2.9 |
| Trace Impurities - Chromium (Cr) | <= 6.0 ppb | < 0.4 |
| Trace Impurities - Cobalt (Co) | <= 0.5 ppb | < 0.3 |
| Trace Impurities - Copper (Cu) | <= 1.0 ppb | < 0.1 |
| Trace Impurities - Gallium (Ga) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Germanium (Ge) | <= 10.0 ppb | < 10.0 |
| Trace Impurities - Gold (Au) | <= 10.0 ppb | < 0.2 |
| Heavy Metals (as Pb) | <= 500 ppb | < 100 |

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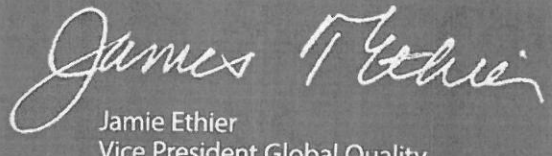
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Iron (Fe) | <= 50.0 ppb | 4.1 |
| Trace Impurities - Lead (Pb) | <= 0.5 ppb | < 0.5 |
| Trace Impurities - Lithium (Li) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Magnesium (Mg) | <= 7.0 ppb | 0.4 |
| Trace Impurities - Manganese (Mn) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Mercury (Hg) | <= 0.5 ppb | < 0.1 |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Nickel (Ni) | <= 2.0 ppb | < 0.3 |
| Trace Impurities - Niobium (Nb) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Potassium (K) | <= 500.0 ppb | < 2.0 |
| Trace Impurities - Selenium (Se) | <= 50.0 ppb | 22.9 |
| Trace Impurities - Silicon (Si) | <= 100.0 ppb | < 10.0 |
| Trace Impurities - Silver (Ag) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Sodium (Na) | <= 500.0 ppb | 2.7 |
| Trace Impurities - Strontium (Sr) | <= 5.0 ppb | < 0.2 |
| Trace Impurities - Tantalum (Ta) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Thallium (Tl) | <= 20.0 ppb | < 5.0 |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | < 0.8 |
| Trace Impurities - Titanium (Ti) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Vanadium (V) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | 0.3 |
| Trace Impurities - Zirconium (Zr) | <= 10.0 ppb | < 1.0 |

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay (as HCl) (by acid-base titrn) | 36.5 - 38.0 % | 37.6 |
| ACS - Color (APHA) | <= 10 | 5 |
| ACS - Residue after Ignition | <= 3 ppm | 1 |
| ACS - Specific Gravity at 60°/60°F | 1.185 - 1.192 | 1.189 |
| ACS - Bromide (Br) | <= 0.005 % | < 0.005 |
| ACS - Extractable Organic Substances | <= 5 ppm | < 1 |
| ACS - Free Chlorine (as $Cl_2$) | <= 0.5 ppm | < 0.5 |
| Phosphate ($PO_4$) | <= 0.05 ppm | < 0.03 |
| Sulfate ($SO_4$) | <= 0.5 ppm | < 0.3 |
| Sulfite ($SO_3$) | <= 0.8 ppm | 0.3 |
| Ammonium ($NH_4$) | <= 3 ppm | < 1 |
| Trace Impurities - Arsenic (As) | <= 0.010 ppm | < 0.003 |
| Trace Impurities - Aluminum (Al) | <= 10.0 ppb | 0.5 |
| Arsenic and Antimony (as As) | <= 5 ppb | < 3 |
| Trace Impurities - Barium (Ba) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Beryllium (Be) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Bismuth (Bi) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Boron (B) | <= 20.0 ppb | < 5.0 |
| Trace Impurities - Cadmium (Cd) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Calcium (Ca) | <= 50.0 ppb | 15.0 |
| Trace Impurities - Chromium (Cr) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Cobalt (Co) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Copper (Cu) | <= 1.0 ppb | < 0.1 |
| Trace Impurities - Gallium (Ga) | <= 1.0 ppb | < 0.2 |

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Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Germanium (Ge) | <= 3.0 ppb | < 2.0 |
| Trace Impurities - Gold (Au) | <= 4.0 ppb | 3.0 |
| Heavy Metals (as Pb) | <= 100 ppb | < 50 |
| Trace Impurities - Iron (Fe) | <= 15.0 ppb | 1.0 |
| Trace Impurities - Lead (Pb) | <= 1.0 ppb | < 0.5 |
| Trace Impurities - Lithium (Li) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Magnesium (Mg) | <= 10.0 ppb | < 0.4 |
| Trace Impurities - Manganese (Mn) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Mercury (Hg) | <= 0.5 ppb | 0.2 |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Nickel (Ni) | <= 4.0 ppb | < 0.3 |
| Trace Impurities - Niobium (Nb) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Potassium (K) | <= 9.0 ppb | < 2.0 |
| Trace Impurities - Selenium (Se), For Information Only | ppb | 1.0 |
| Trace Impurities - Silicon (Si) | <= 100.0 ppb | 18.0 |
| Trace Impurities - Silver (Ag) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Sodium (Na) | <= 100.0 ppb | < 5.0 |
| Trace Impurities - Strontium (Sr) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Tantalum (Ta) | <= 1.0 ppb | < 0.9 |
| Trace Impurities - Thallium (Tl) | <= 5.0 ppb | < 2.0 |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | < 0.8 |
| Trace Impurities - Titanium (Ti) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Vanadium (V) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | 0.4 |
| Trace Impurities - Zirconium (Zr) | <= 1.0 ppb | < 0.1 |

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32039 **Lot No.:** A0163157

**Description :** Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1016 | | 1,007.0 µg/mL | +/- 5.8683 | µg/mL | Gravimetric |
| | **CAS #** 12674-11-2 | (Lot 04) | | +/- 31.9082 | µg/mL | Unstressed |
| | **Purity** ----% | | | +/- 41.6868 | µg/mL | Stressed |
| 2 | Aroclor 1260 | | 1,008.0 µg/mL | +/- 5.8741 | µg/mL | Gravimetric |
| | **CAS #** 11096-82-5 | (Lot 07) | | +/- 31.9399 | µg/mL | Unstressed |
| | **Purity** ----% | | | +/- 41.7282 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P10476
&
P10480

AR
02/19/21

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

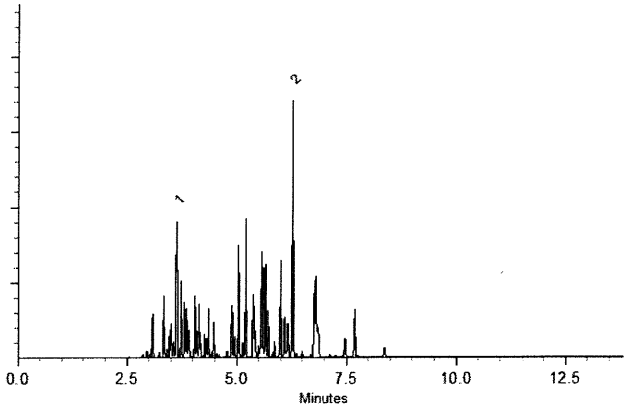
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

**Date Passed:** 05-Aug-2020

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32409 **Lot No.:** A0167722

**Description :** Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1262 | 1,004.0 µg/mL | +/- 5.9635 | µg/mL | Gravimetric |
| | **CAS #** 37324-23-5 (Lot 10849100) | | +/- 31.8340 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.5787 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P10496
J
P10500

AJ
09/19/21

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

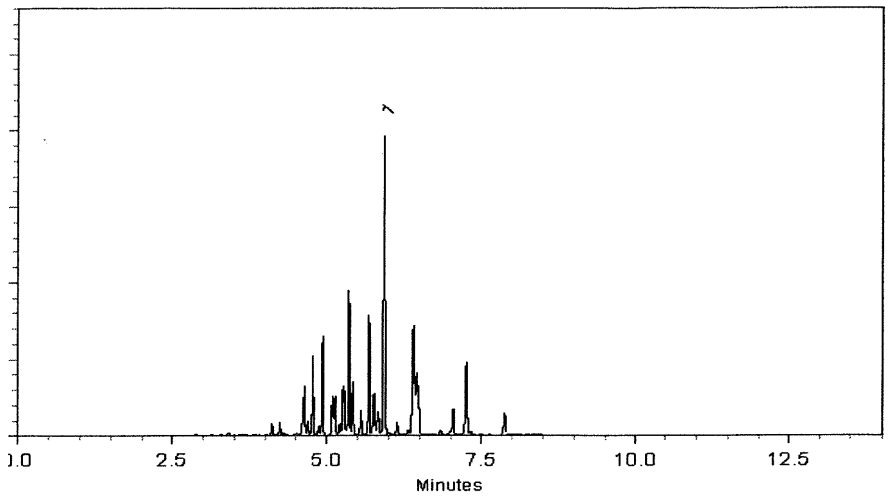
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 03-Jan-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

**Date Passed:** 05-Jan-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

ISO 17034

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# Reference Material Certificate

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1242 Standard | **Lot Number:** | 0006665550 |
| **Product Number:** | PP-312-1 | **Lot Issue Date:** | 08-Feb-2022 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 31-Jan-2027 |

| | CERTIFIED VALUES | | | |
|---|---|---|---|---|
| Component Name | Concentration | Expanded Uncertainty | CAS# | Analyte Lot |
| Aroclor 1242 | 100.4 ± | 0.5 µg/mL | 053469-21-9 | NT01020 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11533 + P11537

AJ 02/21/22

**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois
QMS Representative

ISO 17034

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Trusted Answers

# Reference Material Certificate

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1248 Standard | **Lot Number:** | 0006626997 |
| **Product Number:** | PP-342-1 | **Lot Issue Date:** | 17-Aug-2021 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 30-Sep-2025 |

| | CERTIFIED VALUES | | | | |
|---|---|---|---|---|---|
| Component Name | Concentration | | Expanded Uncertainty | CAS# | Analyte Lot |
| Aroclor 1248 | 100.3 | ± | 0.5 µg/mL | 012672-29-6 | NT01582 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508 ↓ P11512 AJ 12/21/22

**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois
QMS Representative

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Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32007 **Lot No.:** A0175456

**Description :** Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1221 | 1,002.0 µg/mL | +/- 5.9516 | µg/mL | Gravimetric |
| | **CAS #** 11104-28-2 (Lot 10210500) | | +/- 31.7706 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4958 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 11578 ↓ P 11582 (S)

AR 04/30/22

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

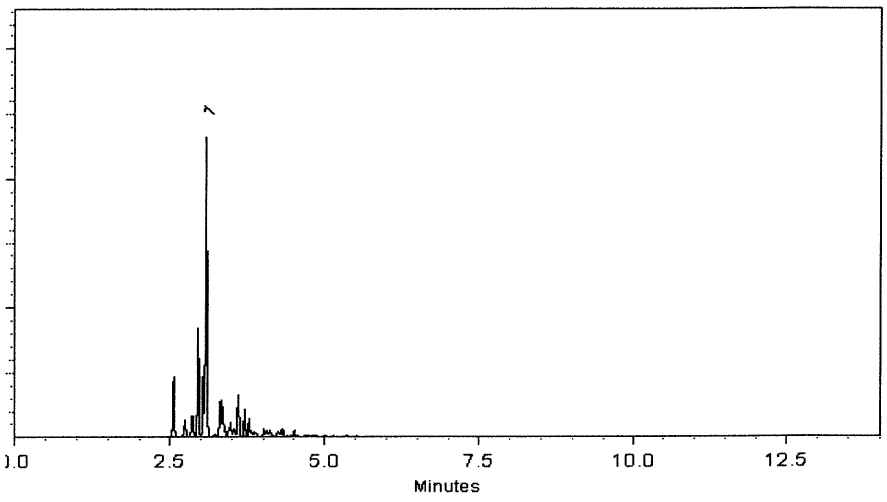
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 16-Aug-2021 **Balance:** B442140311

Marlina Cowan - Operations Tech I

**Date Passed:** 18-Aug-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11578 ↓ P11582 (5)

AR 04/30/22

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# Certificate of Analysis

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Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32008 **Lot No.:** A0173309

**Description :** Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Aroclor 1232 | 1,001.0 µg/mL | +/- 5.9456 µg/mL | Gravimetric |
| | **CAS #** 11141-16-5 (Lot 15665-01) | | +/- 31.7389 µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4544 µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P11583 ↓ P11597 (S)

AR 04/30/22

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

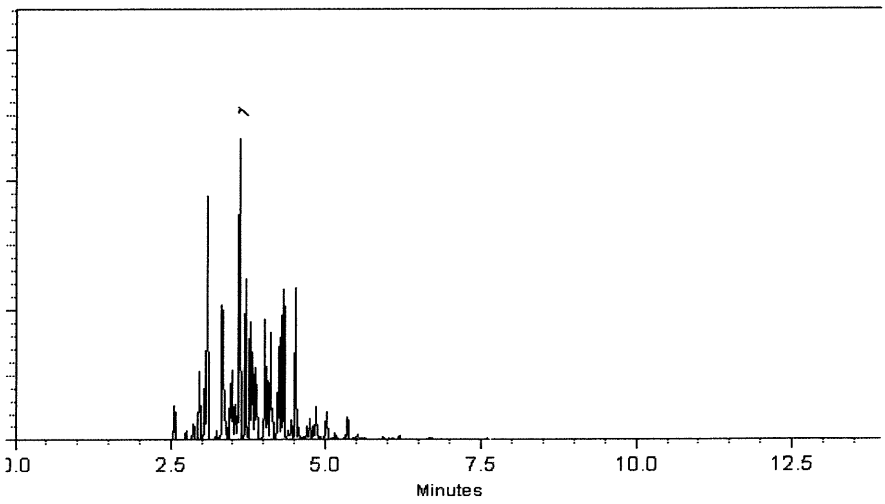
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 13-Jun-2021 **Balance:** B442140311

Alexis Shelow - Operations Tech I

**Date Passed:** 16-Jun-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11583 ↓ P11587 | (5)

AR 04/30/22

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32011 **Lot No.:** A0175403

**Description :** Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1254 | 1,000.7 µg/mL | +/- 5.9437 | µg/mL | Gravimetric |
| | **CAS #** 11097-69-1 (Lot 124-191-B) | | +/- 31.7284 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4406 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P11588 ↓ P11592 | 5

AR 04/30/2022

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

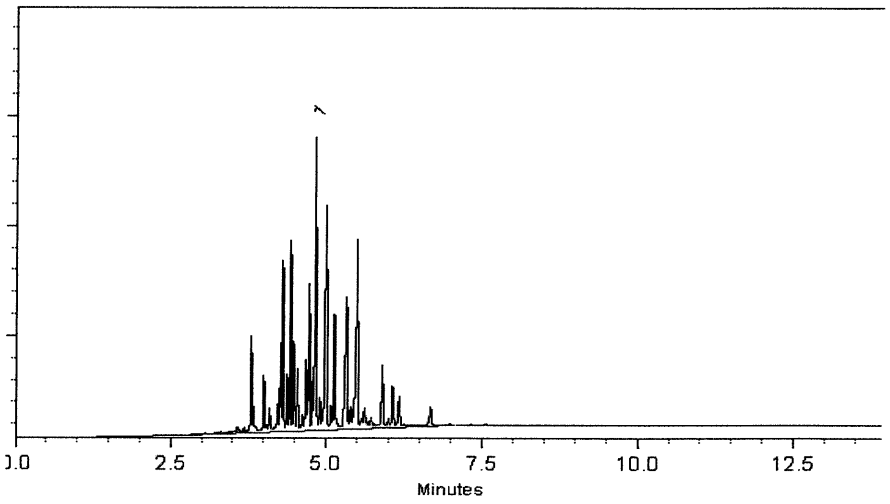
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

**Date Mixed:** 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

**Date Passed:** 17-Aug-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11588 | (5)
1
P11592

AR
04/30/22

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32410 **Lot No.:** A0181782

**Description :** Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2028 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1268 | 1,001.4 µg/mL | +/- 5.9480 | µg/mL | Gravimetric |
| | **CAS #** 11100-14-4 (Lot 10947000) | | +/- 31.7516 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4710 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 11593 (5)
↓
P 11597

AR 04/30/2022

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

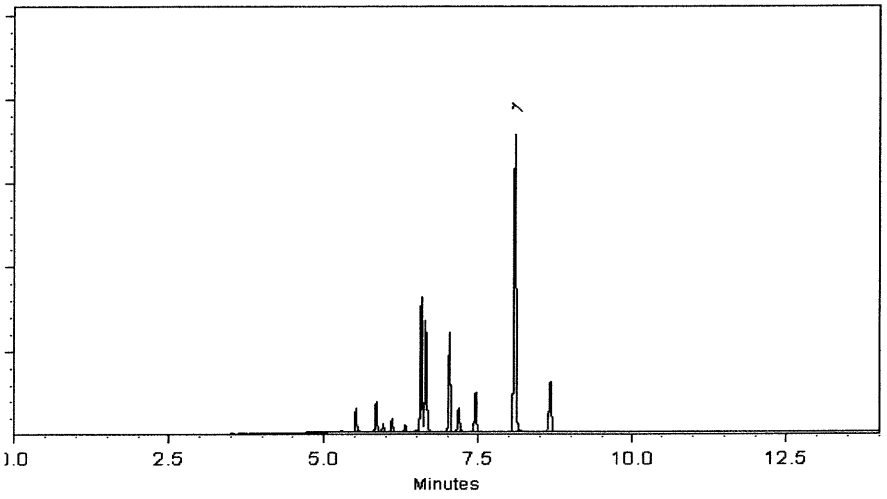
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 14-Feb-2022 **Balance:** 1128360905

Clara Windle - Operations Technician I

**Date Passed:** 17-Feb-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P 11593 (5)
↓
P 11597
04/30/2022

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*Certified Refere*

CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 91867 |
| Lot Number: | 020823 |
| Description: | WP 037 - Aroclor 1232 PCB Technical Mixture |
| Expiration Date: | 020833 |
| Recommended Storage: | Ambient (20 °C) |
| Nominal Concentration (µg/mL): | 100 |
| NIST Test ID#: | 6UTB |

**Solvent(**
Aceton

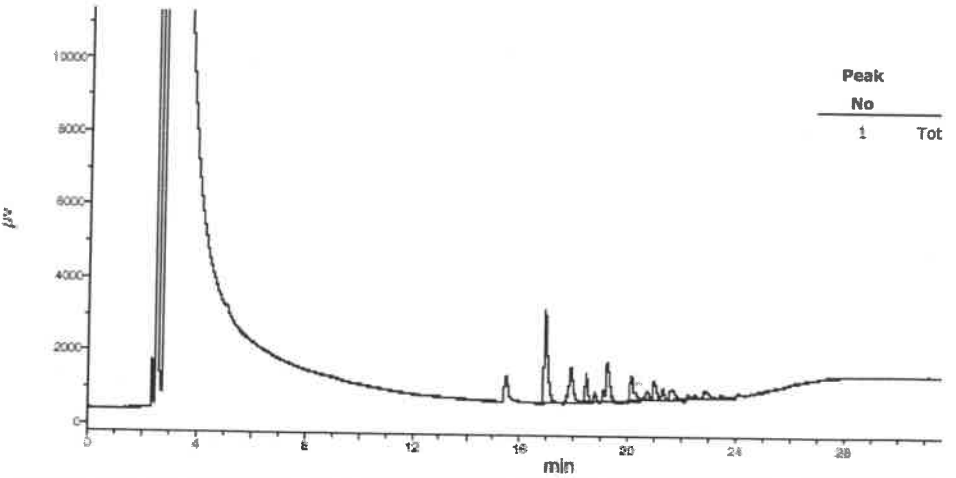
Weight(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.057 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g |
|---|---|---|---|---|---|---|
| 1. Aroclor 1232 | 17 | 45-6A | 100 | 100 | 0.5 | 0.01000 |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32009 **Lot No.:** A0203672

**Description :** Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1242 | 53469-21-9 | 01141 | ---% | 1,004.7 µg/mL | +/- 55.7515 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

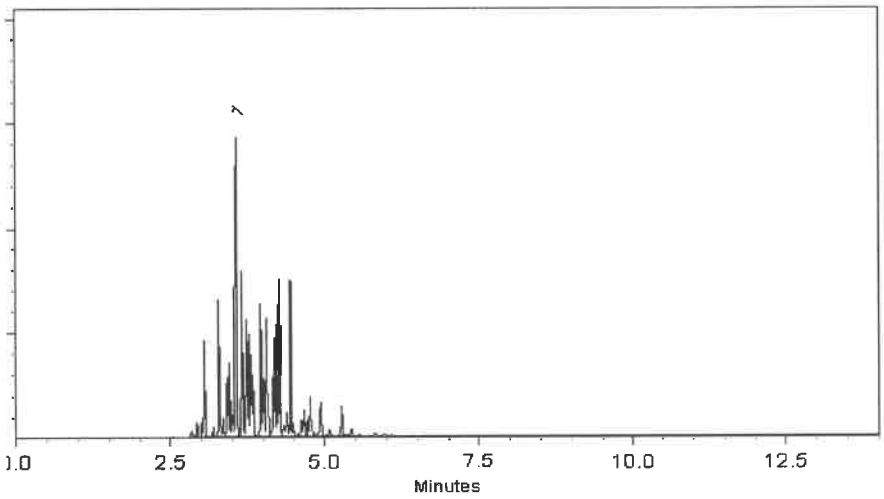
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

**Date Mixed:** 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 06-Nov-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Certificate #3222.02

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P12933
↓
P12937
AJ
12/07/23

**Catalog No. :** 32010 **Lot No.:** A0202803

**Description :** Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1248 | 12672-29-6 | 13897600 | ----% | 1,001.7 µg/mL | +/- 55.5850 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

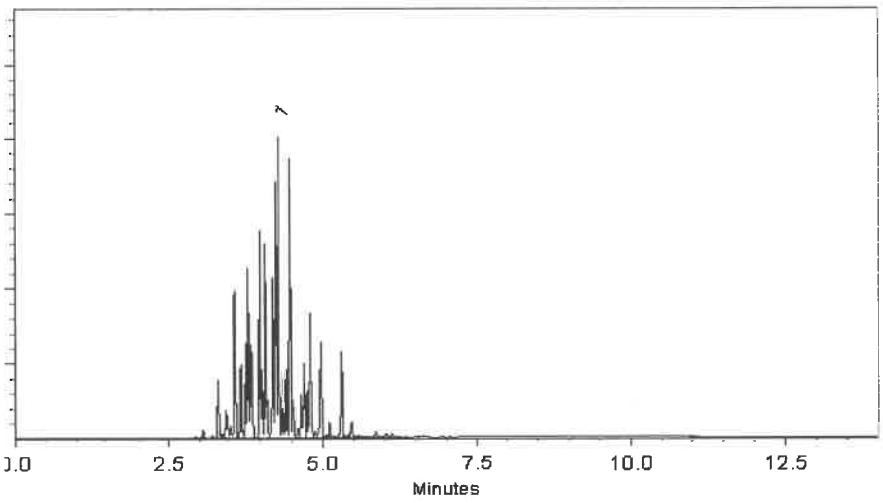
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

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Certificate #FM 80397

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## CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 20064 |
| Lot Number: | 022023 |
| Description: | CLP PCB'S - Aroclor Mix |
| | Aroclors 1016 & 1260 |
| Expiration Date: | 022033 |
| Recommended Storage: | Ambient (20 °C) |
| Nominal Concentration (µg/mL): | 1000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

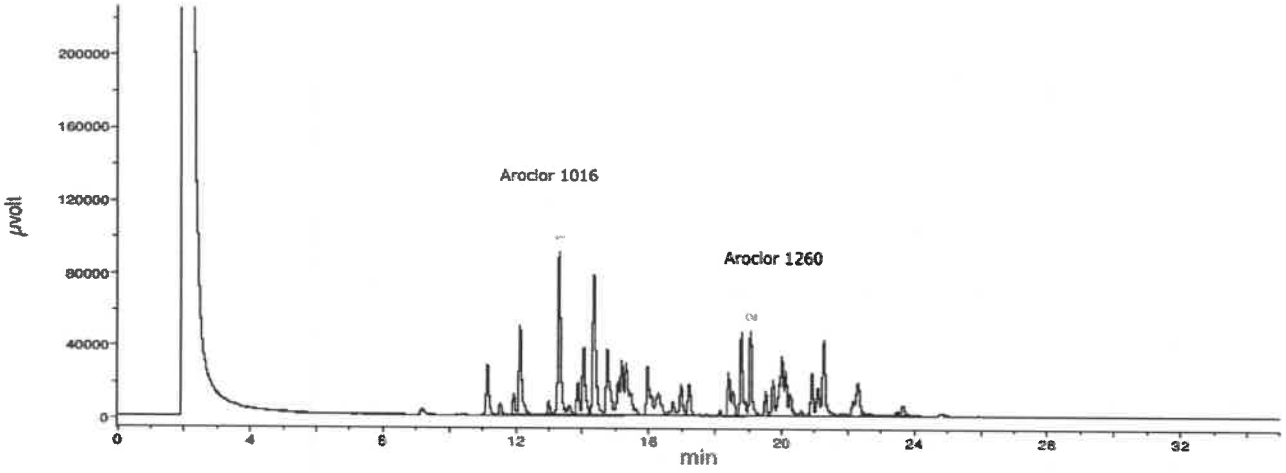
| | | |
|---|---|---|
| Formulated By: | Benson Chan | 022023 DATE |
| Reviewed By: | Pedro L. Rentas | 022023 DATE |

P12946 ↓ P12955 — Y.P. 12/20/23

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1016 | 15 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20060 | 1002.8 | 4.0 | 12674-11-2 | N/A | N/A |
| 2. Aroclor 1260 | 21 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20081 | 1003.9 | 4.0 | 11096-82-5 | 0.5mg/m3 | orl-rat 1315mg/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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## CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 20064 |
| Lot Number: | 022023 |
| Description: | CLP PCB'S - Aroclor Mix |
| | Aroclors 1016 & 1260 |
| Expiration Date: | 022033 |
| Recommended Storage: | Ambient (20 °C) |
| Nominal Concentration (µg/mL): | 1000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

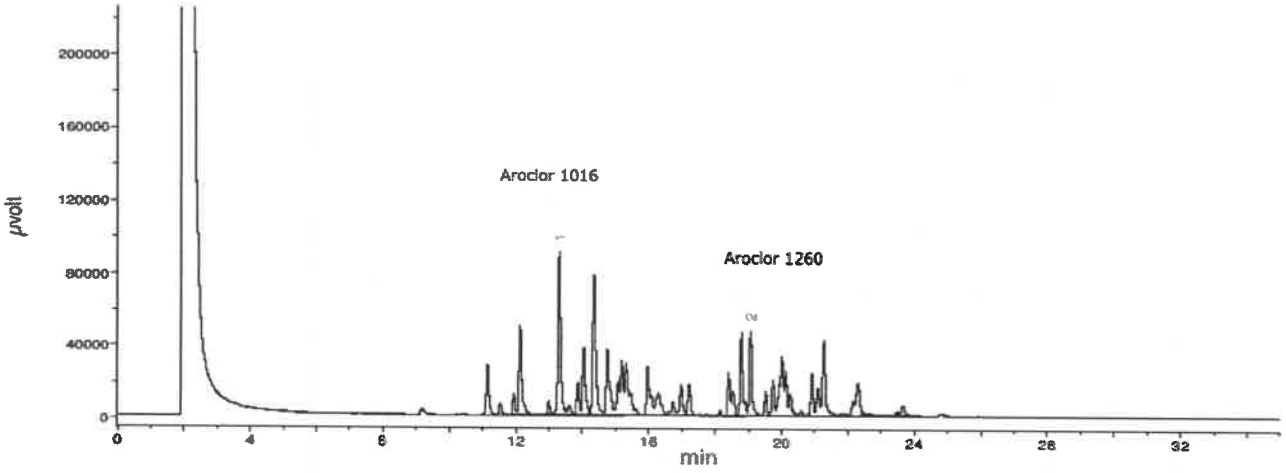
| | | |
|---|---|---|
| Formulated By: | Benson Chan | 022023 DATE |
| Reviewed By: | Pedro L. Rentas | 022023 DATE |

P12946 ↓ P12955 — Y.P. 12/20/23

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1016 | 15 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20060 | 1002.8 | 4.0 | 12674-11-2 | N/A | N/A |
| 2. Aroclor 1260 | 21 | 020491JC | 1000 | 100 | 0.2 | 0.20004 | 0.20081 | 1003.9 | 4.0 | 11096-82-5 | 0.5mg/m3 | orl-rat 1315mg/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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## CERTIFIED WEIGHT REPORT

| | | | | |
|---|---|---|---|---|
| **Part Number:** | 99139 | **Solvent(s):** | **Lot#** | |
| **Lot Number:** | 121823 | Iso-octane | 82227 | |
| **Description:** | Aroclor 1254 | | | |
| **Expiration Date:** | 121833 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | 100 | | | |
| **NIST Test ID#:** | 6UTB | 5E-05 | Balance Uncertainty | |
| Volume(s) shown below were combined and diluted to (mL): | | 20.0 | 0.003 | Flask Uncertainty |

| | | |
|---|---|---|
| | | 121823 |
| Formulated By: | Anthony Mahoney | DATE |
| | | 121823 |
| Reviewed By: | Pedro L. Rentas | DATE |

P12956 & P12957 Y.P. 12/20/23

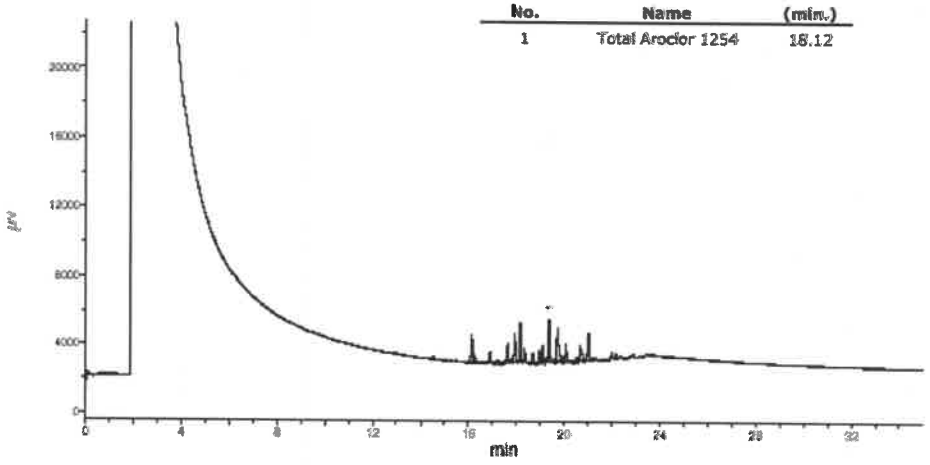
**Note: Aroclor 1254 is a mix of isomers.**

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(µg/mL) | Final Conc.(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1254 | 79100 | 121823 | 0.10 | 2.00 | 0.017 | 1003.3 | 100.1 | 1.8 | 11097-69-1 | 0.5mg/m3 (skin) | orl-rat 1295mg/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | Total Aroclor 1254 | 18.12 |



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## CERTIFIED WEIGHT REPORT

**Part Number:** 90165
**Lot Number:** 112322
**Description:** Aroclor 1262

**Solvent(s):** Hexane **Lot#** 273615

**Expiration Date:** 112332
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test ID#:** 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.005 Flask Uncertainty

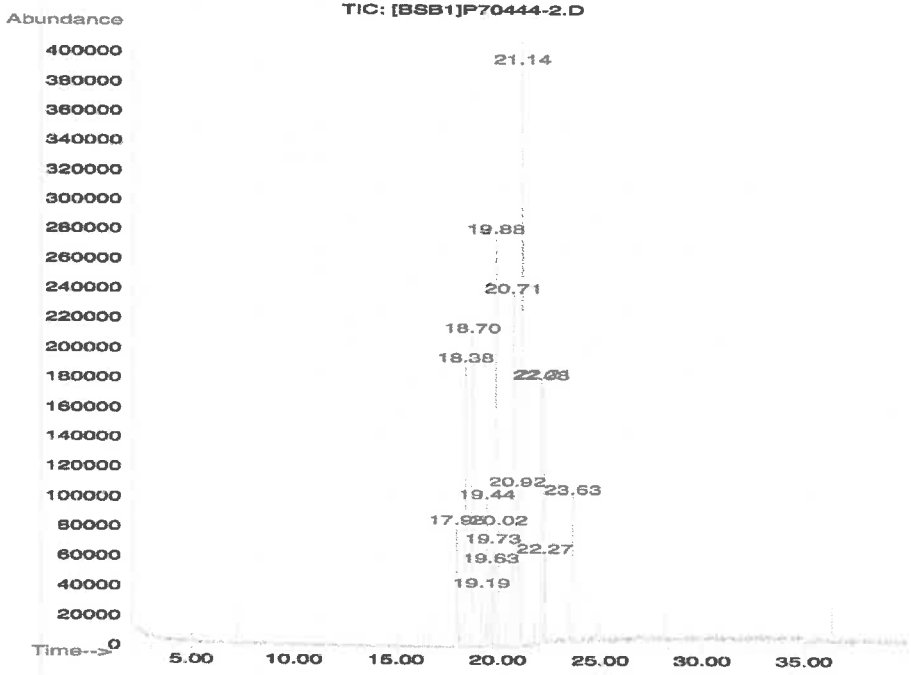
5E-05 Balance Uncertainty

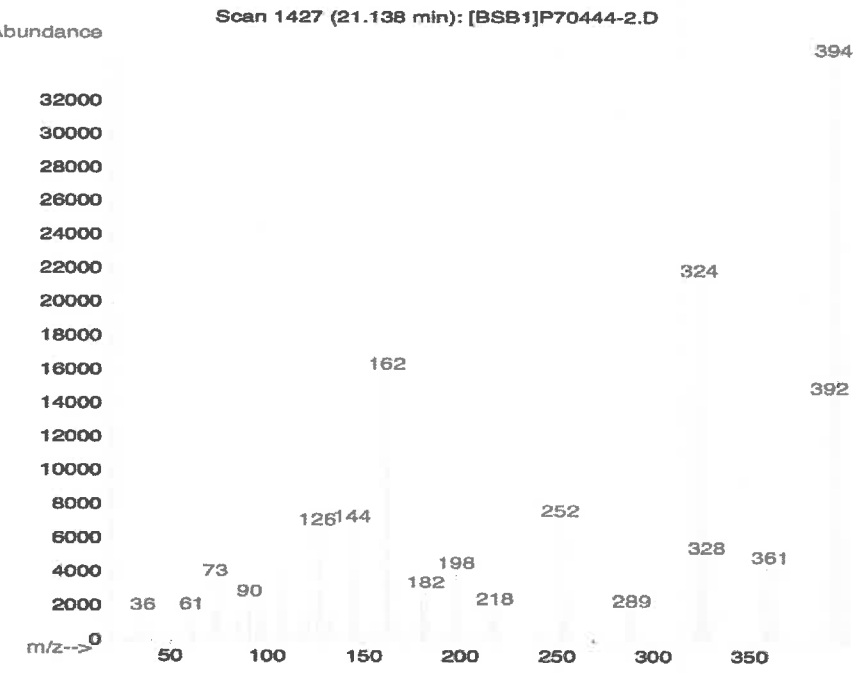
| | |
|---|---|
| Formulated By: Prashant Chauhan | 112322 DATE |
| Reviewed By: Pedro L. Rentas | 112322 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1262 | 444 | W-130-05 | 1000 | 100 | 0.2 | 0.05003 | 0.05016 | 1002.7 | 4.5 | 37324-23-5 | N/A | orl-rat 11300mg/kg |

**Method GC7MSD-7.M:** Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.

P13032 2 P13033 Y.P. 12/21/23



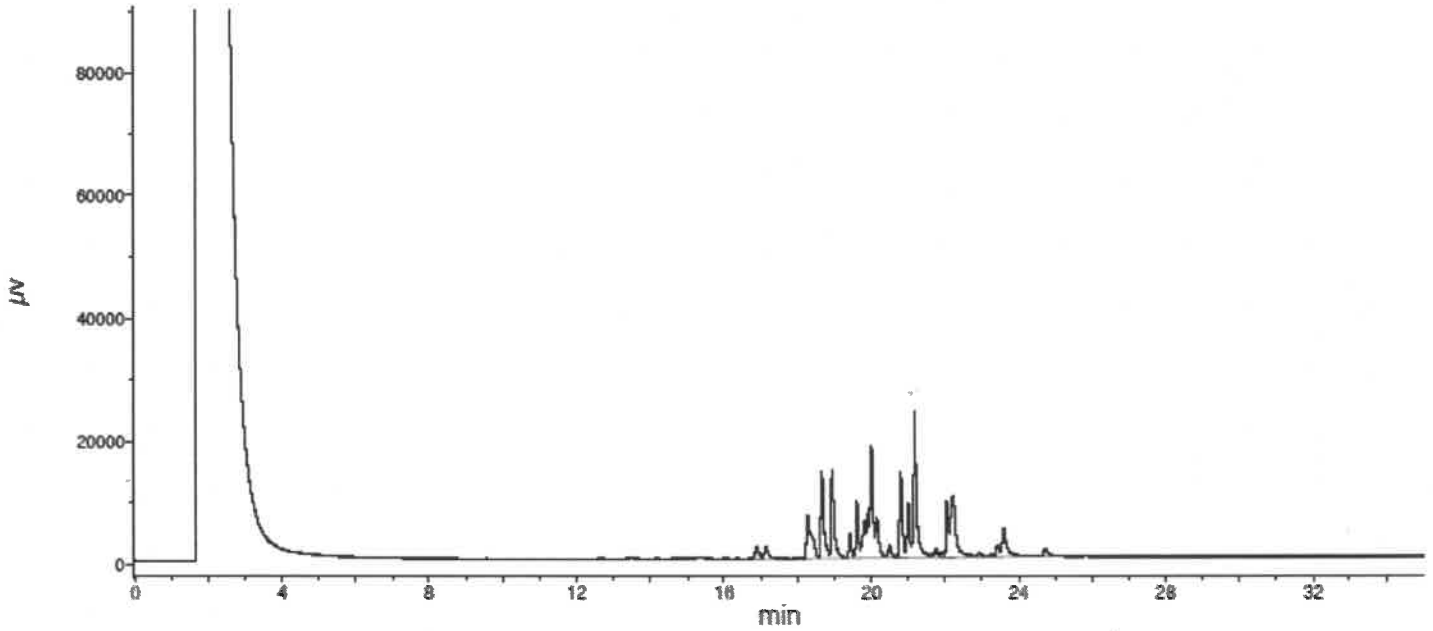

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

# Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

## Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P13348 → P13357 (10)

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8 | RP220407 | 99% | 200.3 µg/mL | +/- 11.1143 |
| 2 | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638 | 99% | 200.6 µg/mL | +/- 11.1298 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone
**CAS #** 67-64-1
**Purity** 99%

**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

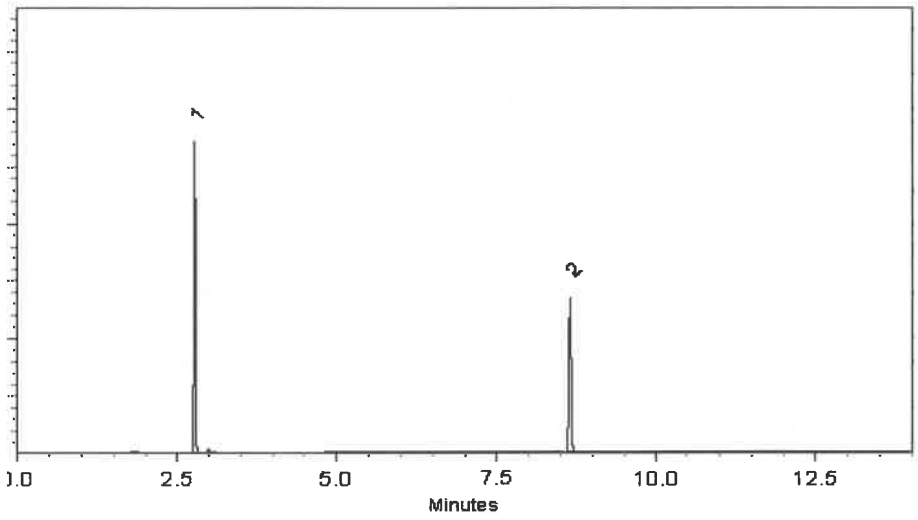
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Jan-2024

**Manufactured under Restek's ISO 9001:2015**
**Registered Quality System**
**Certificate #FM 80397**

P13348 (10)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P13348 → P13357 (10)

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8 | RP220407 | 99% | 200.3 µg/mL | +/- 11.1143 |
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* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone
**CAS #** 67-64-1
**Purity** 99%

**Tech Tips:**

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These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

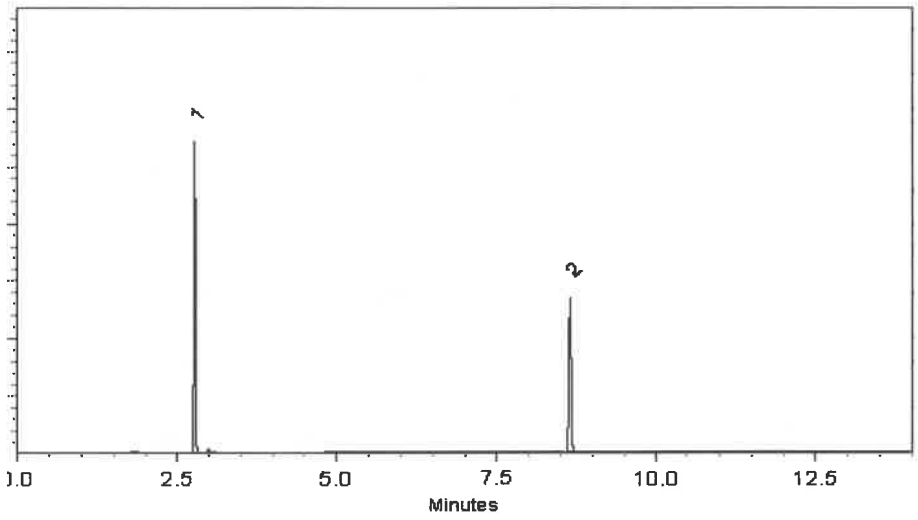
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Jan-2024

**Manufactured under Restek's ISO 9001:2015**
**Registered Quality System**
**Certificate #FM 80397**

P13348 (10)

↓

P13357

04/25/2025

Agilent

Trusted Answers

**ISO 17034**

# Reference Material Certificate

## Product Information Sheet

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1221 Standard | **Lot Number:** | 0006783205 |
| **Product Number:** | PP-292-1 | **Lot Issue Date:** | 20-Feb-2024 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 31-Mar-2032 |

| Component Name | Concentration | | Uncertainty | CAS# | Analyte Lot |
|---|---|---|---|---|---|
| Aroclor 1221 | 100.3 | ± | 0.5 µg/mL | 011104-28-2 | NT01017 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
↓
P133f3

AJ
05106124







250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

Agilent

Trusted Answers

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois

QMS Representative

ANAB ANSI National Accreditation Board ACCREDITED REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321



www.agilent.com/quality/

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

# 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 NO. P4578/79
QUOTE NO.
COC Number 2042038

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GANNETT FLEMING
ADDRESS: 1010 Adams Avenue
CITY Audobon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak's Mop. of SB
PROJECT NO.: 95000005B LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: aaac@bemgs.com
PHONE: 610-301-8342 FAX:

### CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:
ADDRESS: 284 Sheffield St.
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha PHONE: 908-788-398

### DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 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)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT BEM EDD

### ANALYSIS

1 TCL VOC +10 | 2 TCL PAH | 3 PCB's | 4 Cr(III), Cr(VI) | 5 TAL Metals | 6 EPH | 7 TCLP - Full | 8 RCRA Parameters | 9 TOX

### PRESERVATIVES

A | | | F | B | | | | |

### COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | WB-305-SW | GW | X | | 10/25 | 8:20 | 7 | X | X | X | X | X | X | | | |
| 2. | WB-305-SW-1 | GW | X | | 10/25 | 8:30 | 7 | X | X | X | X | X | X | | | |
| 3. | WB-305-TOP | S | X | | 10/25 | 9:20 | 11 | X | X | X | X | X | X | | | |
| 4. | WB-305-TOP-1 | S | X | | 10/25 | 9:30 | 11 | X | X | X | X | X | X | | | |
| 5. | WB-305-Bot | S | X | | 10/25 | 11:15 | 11 | X | X | X | X | X | X | X | X | X |
| 6. | WB-305-Bot-1 | S | X | | 10/25 | 11:20 | 11 | X | X | X | X | X | X | X | X | X |
| 7. | TB-10252024 | D.I.W. | | | 10/25 | | 2 | X | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

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

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. Vmunda Pujara | 10/25/24-3:11 | 1. |
| 2. | | 2. |
| 3. | DATE/TIME: 1604 10.25.2024 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.1 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2023

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

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (L-A-B) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255423 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P4578 PORT06
**Client Name :** Portal Partners Tri-Venture
**Client Contact :** Joseph Krupansky
**Invoice Name :** Portal Partners Tri-Venture
**Invoice Contact :** Joseph Krupansky

**Order Date :** 10/25/2024 3:58:00 PM
**Project Name :** Amtrak Sawtooth Bridges 2
**Receive DateTime :** 10/25/2024 4:04:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** NJ Reduced
**EDD Type :** EXCEL NJCLEANUP
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| P4578-01 | WB-305-SW | Water | 10/25/2024 | 08:20 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 10 Bus. Days |
| P4578-02 | WB-305-SW-1 | Water | 10/25/2024 | 08:30 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 10 Bus. Days |
| P4578-03 | WB-305-TOP | Solid | 10/25/2024 | 09:20 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| P4578-04 | WB-305-TOP-1 | Solid | 10/25/2024 | 09:30 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| P4578-05 | WB-305-BOT | Solid | 10/25/2024 | 11:15 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| P4578-07 | WB-305-BOT-1 | Solid | 10/25/2024 | 11:20 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| P4578-09 | TB-10252024 | Water | 10/25/2024 | 00:00 | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | | 10 Bus. Days |

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

# LOGIN REPORT/SAMPLE TRANSFER

| | | | | | |
|---|---|---|---|---|---|
| **Order ID :** | P4578 PORT06 | **Order Date :** | 10/25/2024 3:58:00 PM | **Project Mgr :** | |
| **Client Name :** | Portal Partners Tri-Venture | **Project Name :** | Amtrak Sawtooth Bridges 2 | **Report Type :** | NJ Reduced |
| **Client Contact :** | Joseph Krupansky | **Receive DateTime :** | 10/25/2024 4:04:00 PM | **EDD Type :** | EXCEL NJCLEANUP |
| **Invoice Name :** | Portal Partners Tri-Venture | **Purchase Order :** | | **Hard Copy Date :** | |
| **Invoice Contact :** | Joseph Krupansky | | | **Date Signoff :** | |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|

* J.C samples are in SM Refrigerator *

**Relinguished By :** J. C
**Date / Time :** 10-25-2024 1710

**Received By :** Sam 10/25/2024 1710
**Date / Time :** Sam.

RJ 6 +2 2 RGH 5

**Storage Area :** VOA Refridgerator Room