

## Cover Page

**Order ID :** P4718

**Project ID :** Amtrak Sawtooth Bridges 2024

**Client :** Portal Partners Tri-Venture

**Lab Sample Number**

P4718-01  
P4718-02  
P4718-03  
P4718-04  
P4718-05

**Client Sample Number**

WB-307-SB01  
WB-307-SB02  
WB-307-SB02  
WB-307-SW  
TB-11042024

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: 11/18/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## 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 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: P4718

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 Custody

✓

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: KETAN PATEL

Date: 11/18/2024

## LAB CHRONICLE

|                 |                             |                   |                                        |
|-----------------|-----------------------------|-------------------|----------------------------------------|
| <b>OrderID:</b> | P4718                       | <b>OrderDate:</b> | 11/5/2024 1:31:00 PM                   |
| <b>Client:</b>  | Portal Partners Tri-Venture | <b>Project:</b>   | Amtrak Sawtooth Bridges 2024           |
| <b>Contact:</b> | Joseph Krupansky            | <b>Location:</b>  | L21,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID    | ClientID    | Matrix | Test           | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------|--------|----------------|--------|-------------|-----------|-----------|----------|
| P4718-01 | WB-307-SB01 | SOIL   | PCB            | 8082A  | 11/04/24    | 11/06/24  | 11/06/24  | 11/05/24 |
|          |             |        | EPH            | NJEPH  |             | 11/08/24  | 11/08/24  |          |
| P4718-02 | WB-307-SB02 | SOIL   | PCB            | 8082A  | 11/04/24    | 11/06/24  | 11/06/24  | 11/05/24 |
|          |             |        | EPH            | NJEPH  |             | 11/08/24  | 11/08/24  |          |
| P4718-03 | WB-307-SB02 | TCLP   | TCLP Herbicide | 8151A  | 11/04/24    | 11/10/24  | 11/12/24  | 11/05/24 |
|          |             |        | TCLP Pesticide | 8081B  |             | 11/10/24  | 11/11/24  |          |
| P4718-04 | WB-307-SW   | WATER  | PCB            | 8082A  | 11/04/24    | 11/06/24  | 11/06/24  | 11/05/24 |
|          |             |        | EPH            | NJEPH  |             | 11/09/24  | 11/11/24  |          |



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

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** P4718

**Order ID:** P4718

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2024

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

Client ID :

**Total Concentration: 0.000**



# QC SUMMARY

### Surrogate Summary

SDG No.: **P4718**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8081B**

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits  |           |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|---------|-----------|
|                  |                  |                      |        |       |        |     |      | Low     | High      |
| I.BLK-PL092652.D | PIBLK-PL092652.D | Decachlorobiphenyl   | 1      | 20    | 22.7   | 114 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.6   | 108 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.7   | 109 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.4   | 102 |      | 30 (77) | 150 (126) |
| I.BLK-PL092941.D | PIBLK-PL092941.D | Decachlorobiphenyl   | 1      | 20    | 20.8   | 104 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 22.3   | 112 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.8   | 99  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.6   | 108 |      | 30 (77) | 150 (126) |
| PB164849BL       | PB164849BL       | Decachlorobiphenyl   | 1      | 20    | 21.1   | 105 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.7   | 104 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.5   | 103 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.1   | 101 |      | 30 (77) | 150 (126) |
| PB164849BS       | PB164849BS       | Decachlorobiphenyl   | 1      | 20    | 19.3   | 96  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.1   | 95  |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.9   | 94  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.9   | 90  |      | 30 (77) | 150 (126) |
| PB164694TB       | PB164694TB       | Decachlorobiphenyl   | 1      | 20    | 21.2   | 106 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.6   | 103 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.8   | 104 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.1   | 101 |      | 30 (77) | 150 (126) |
| I.BLK-PL092959.D | PIBLK-PL092959.D | Decachlorobiphenyl   | 1      | 20    | 22.0   | 110 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 22.1   | 110 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.2   | 111 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.5   | 107 |      | 30 (77) | 150 (126) |
| I.BLK-PL092971.D | PIBLK-PL092971.D | Decachlorobiphenyl   | 1      | 20    | 21.6   | 108 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 22.7   | 114 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.6   | 103 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.6   | 108 |      | 30 (77) | 150 (126) |
| P4718-03         | WB-307-SB02      | Decachlorobiphenyl   | 1      | 20    | 14.6   | 73  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.6   | 103 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 12.7   | 63  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.1   | 101 |      | 30 (77) | 150 (126) |
| P4718-03MS       | WB-307-SB02MS    | Decachlorobiphenyl   | 1      | 20    | 14.1   | 71  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 24.6   | 123 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 13.1   | 66  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.3   | 96  |      | 30 (77) | 150 (126) |
| P4718-03MSD      | WB-307-SB02MSD   | Decachlorobiphenyl   | 1      | 20    | 14.4   | 72  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 24.6   | 123 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 13.2   | 66  |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.3   | 97  |      | 30 (77) | 150 (126) |
| I.BLK-PL092992.D | PIBLK-PL092992.D | Decachlorobiphenyl   | 1      | 20    | 22.2   | 111 |      | 30 (43) | 150 (140) |

### Surrogate Summary

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits  |           |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|---------|-----------|
|                  |                  |                      |        |       |        |     |      | Low     | High      |
| I.BLK-PL092992.D | PIBLK-PL092992.D | Tetrachloro-m-xylene | 1      | 20    | 22.8   | 114 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.8   | 109 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 22.2   | 111 |      | 30 (77) | 150 (126) |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

DataFile : PL092984.D

| Lab Sample ID:                         | Parameter            | Spike | Sample<br>Result | Result | Units | Rec<br>Qual | RPD<br>Qual | Low     | Limits<br>High | RPD |
|----------------------------------------|----------------------|-------|------------------|--------|-------|-------------|-------------|---------|----------------|-----|
| <b>Client Sample ID:</b><br>P4718-03MS | <b>WB-307-SB02MS</b> |       |                  |        |       |             |             |         |                |     |
|                                        | gamma-BHC (Lindane)  | 5     | 0                | 4.90   | ug/L  | 98          |             | 30 (60) | 150 (152)      |     |
|                                        | Heptachlor           | 5     | 0                | 5.40   | ug/L  | 108         |             | 30 (56) | 150 (147)      |     |
|                                        | Heptachlor epoxide   | 5     | 0                | 5.30   | ug/L  | 106         |             | 30 (77) | 150 (143)      |     |
|                                        | Endrin               | 5     | 0                | 5.20   | ug/L  | 104         |             | 30 (76) | 150 (144)      |     |
|                                        | Methoxychlor         | 5     | 0                | 4.80   | ug/L  | 96          |             | 30 (70) | 150 (142)      |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

DataFile : PL092985.D

| Lab Sample ID:           | Parameter             | Spike | Sample<br>Result | Result | Units | Rec<br>Qual | RPD<br>Qual | Low     | Limits<br>High | RPD     |
|--------------------------|-----------------------|-------|------------------|--------|-------|-------------|-------------|---------|----------------|---------|
| <b>Client Sample ID:</b> | <b>WB-307-SB02MSD</b> |       |                  |        |       |             |             |         |                |         |
| P4718-03MSD              | gamma-BHC (Lindane)   | 5     | 0                | 4.90   | ug/L  | 98          | 0           | 30 (60) | 150 (152)      | 20 (20) |
|                          | Heptachlor            | 5     | 0                | 5.50   | ug/L  | 110         | 2           | 30 (56) | 150 (147)      | 20 (20) |
|                          | Heptachlor epoxide    | 5     | 0                | 5.30   | ug/L  | 106         | 0           | 30 (77) | 150 (143)      | 20 (20) |
|                          | Endrin                | 5     | 0                | 5.40   | ug/L  | 108         | 4           | 30 (76) | 150 (144)      | 20 (20) |
|                          | Methoxychlor          | 5     | 0                | 4.80   | ug/L  | 96          | 0           | 30 (70) | 150 (142)      | 20 (20) |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: **8081B** Datafile : PL092945.D

| Lab Sample ID | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |         | Limits    |     |
|---------------|---------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                     |       |        |       |     |     |      | Qual | Low     | High      | RPD |
| PB164849BS    | gamma-BHC (Lindane) | 0.5   | 0.51   | ug/L  | 102 |     |      |      | 40 (82) | 140 (129) |     |
|               | Heptachlor          | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 40 (79) | 140 (127) |     |
|               | Heptachlor epoxide  | 0.5   | 0.53   | ug/L  | 107 |     |      |      | 40 (81) | 140 (124) |     |
|               | Endrin              | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 40 (81) | 140 (128) |     |
|               | Methoxychlor        | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 40 (78) | 140 (108) |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164849BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4718

SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: PB164849BL

Lab File ID: PL092944.D

Matrix: (soil/water) water

Extraction: (Type) \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/10/2024

Date Analyzed (1): 11/11/2024

Date Analyzed (2): 11/11/2024

Time Analyzed (1): 12:12

Time Analyzed (2): 12:12

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB164849BS        | PB164849BS       | PL092945.D     | 11/11/2024         | 11/11/2024         |
| PB164694TB        | PB164694TB       | PL092946.D     | 11/11/2024         | 11/11/2024         |
| WB-307-SB02       | P4718-03         | PL092983.D     | 11/11/2024         | 11/11/2024         |
| WB-307-SB02MS     | P4718-03MS       | PL092984.D     | 11/11/2024         | 11/11/2024         |
| WB-307-SB02MSD    | P4718-03MSD      | PL092985.D     | 11/11/2024         | 11/11/2024         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



# SAMPLE DATA

## Report of Analysis

|                    |                              |                    |                |
|--------------------|------------------------------|--------------------|----------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 11/04/24       |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:     | 11/05/24       |
| Client Sample ID:  | WB-307-SB02                  | SDG No.:           | P4718          |
| Lab Sample ID:     | P4718-03                     | Matrix:            | TCLP           |
| Analytical Method: | SW8081                       | % Solid:           | 0              |
| Sample Wt/Vol:     | 100                          | Units:             | mL             |
| Soil Aliquot Vol:  |                              |                    | uL             |
| Extraction Type:   |                              | Test:              | TCLP Pesticide |
| GPC Factor :       | 1.0                          | PH :               |                |
| Prep Method :      | SW3541B                      | Injection Volume : |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092983.D        | 1         | 11/10/24 08:44 | 11/11/24 22:47 | PB164849      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.049 | U         | 0.049               | 0.50       | ug/L    |
| 76-44-8           | Heptachlor           | 0.054 | U         | 0.054               | 0.50       | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.090 | U         | 0.090               | 0.50       | ug/L    |
| 72-20-8           | Endrin               | 0.043 | U         | 0.043               | 0.50       | ug/L    |
| 72-43-5           | Methoxychlor         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| 8001-35-2         | Toxaphene            | 1.50  | U         | 1.50                | 10.0       | ug/L    |
| 57-74-9           | Chlordane            | 0.82  | U         | 0.82                | 5.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 14.6  |           | 30 (43) - 150 (140) | 73%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.6  |           | 30 (77) - 150 (126) | 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 &gt;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\_L\Data\PL111124\  
 Data File : PL092983.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 22:47  
 Operator : AR\AJ  
 Sample : P4718-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 WB-307-SB02

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 00:37:18 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.778 | 50433730 | 54798091 | 20.583 | 20.138 |
| 28) SA Decachlor...         | 9.061 | 7.919 | 28120365 | 34581119 | 14.611 | 12.671 |

Target Compounds

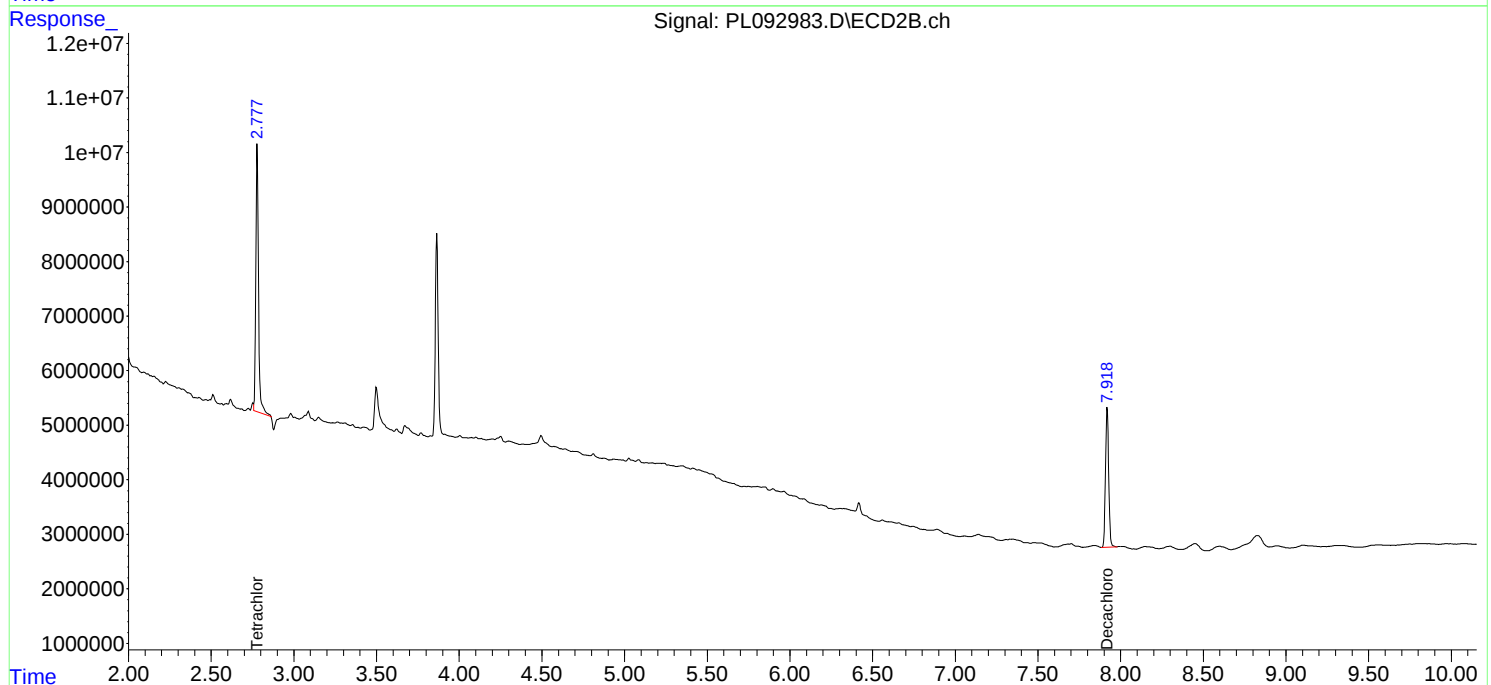
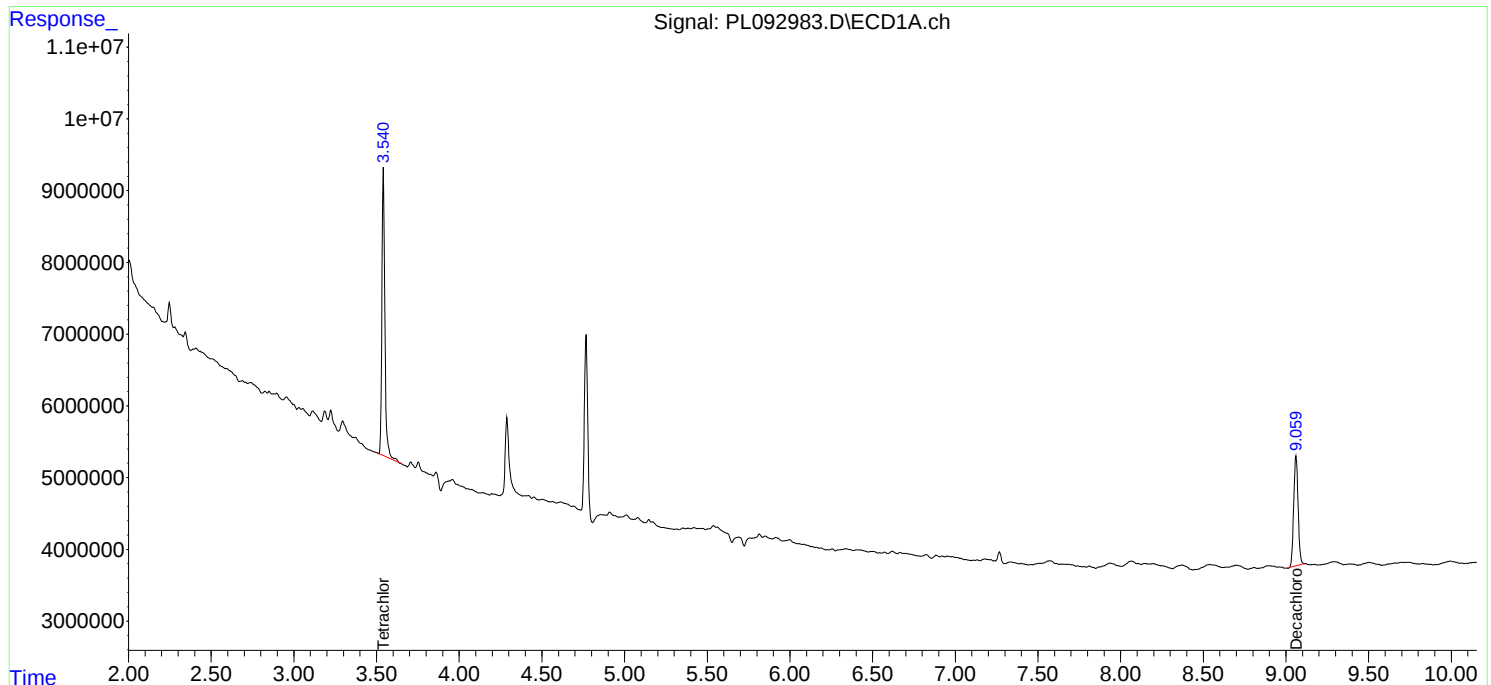
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

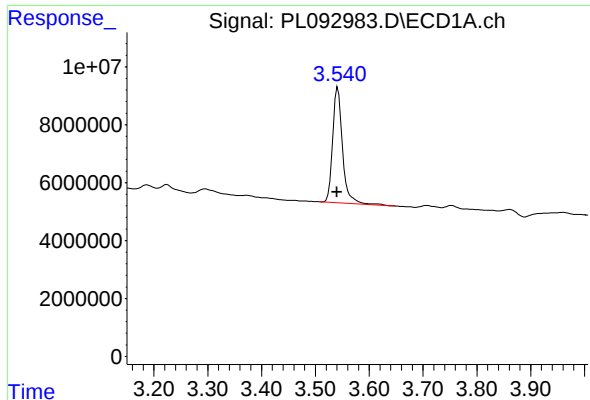
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092983.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 22:47  
Operator : AR\AJ  
Sample : P4718-03  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
WB-307-SB02

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:37:18 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

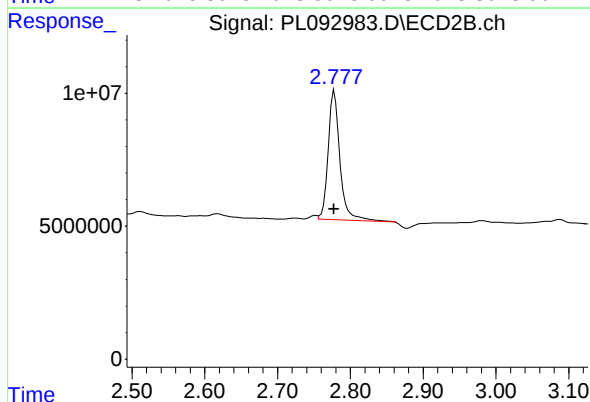




## #1 Tetrachloro-m-xylene

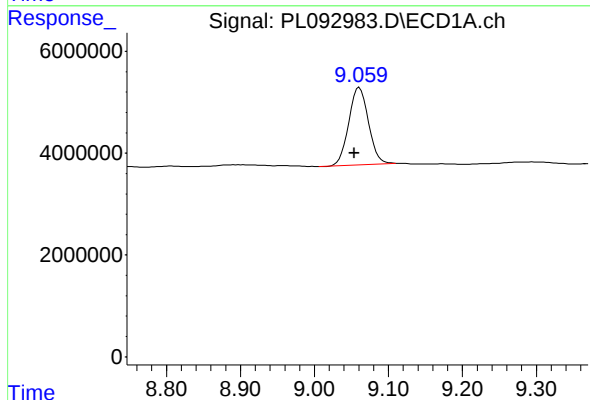
R.T.: 3.542 min  
Delta R.T.: 0.002 min  
Response: 50433730  
Conc: 20.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WB-307-SB02



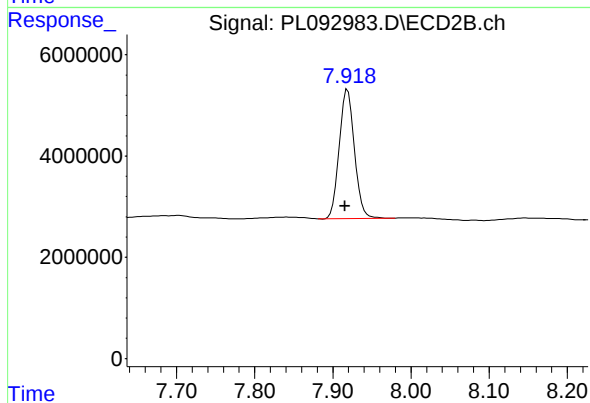
## #1 Tetrachloro-m-xylene

R.T.: 2.778 min  
Delta R.T.: 0.000 min  
Response: 54798091  
Conc: 20.14 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.007 min  
Response: 28120365  
Conc: 14.61 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.919 min  
Delta R.T.: 0.003 min  
Response: 34581119  
Conc: 12.67 ng/ml

## Report of Analysis

|                    |                              |           |                    |                |           |
|--------------------|------------------------------|-----------|--------------------|----------------|-----------|
| Client:            | Portal Partners Tri-Venture  |           | Date Collected:    |                |           |
| Project:           | Amtrak Sawtooth Bridges 2024 |           | Date Received:     | 11/10/24       |           |
| Client Sample ID:  | PB164694TB                   |           | SDG No.:           | P4718          |           |
| Lab Sample ID:     | PB164694TB                   |           | Matrix:            | TCLP           |           |
| Analytical Method: | SW8081                       |           | % Solid:           | 0              | Decanted: |
| Sample Wt/Vol:     | 100                          | Units: mL | Final Vol:         | 10000          | uL        |
| Soil Aliquot Vol:  |                              | uL        | Test:              | TCLP Pesticide |           |
| Extraction Type:   |                              |           | Injection Volume : |                |           |
| GPC Factor :       | 1.0                          | PH :      |                    |                |           |
| Prep Method :      | SW3541B                      |           |                    |                |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092946.D        | 1         | 11/10/24 08:44 | 11/11/24 12:40 | PB164849      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.049 | U         | 0.049               | 0.50       | ug/L    |
| 76-44-8           | Heptachlor           | 0.054 | U         | 0.054               | 0.50       | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.090 | U         | 0.090               | 0.50       | ug/L    |
| 72-20-8           | Endrin               | 0.043 | U         | 0.043               | 0.50       | ug/L    |
| 72-43-5           | Methoxychlor         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| 8001-35-2         | Toxaphene            | 1.50  | U         | 1.50                | 10.0       | ug/L    |
| 57-74-9           | Chlordane            | 0.82  | U         | 0.82                | 5.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.2  |           | 30 (43) - 150 (140) | 106%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.6  |           | 30 (77) - 150 (126) | 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 &gt;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\_L\Data\PL111124\  
 Data File : PL092946.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 12:40  
 Operator : AR\AJ  
 Sample : PB164694TB  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB164694TB

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:48:48 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.779 | 50543817 | 54730479 | 20.628 | 20.113 |
| 28) SA Decachlor...         | 9.062 | 7.919 | 40873416 | 56699558 | 21.238 | 20.775 |

Target Compounds

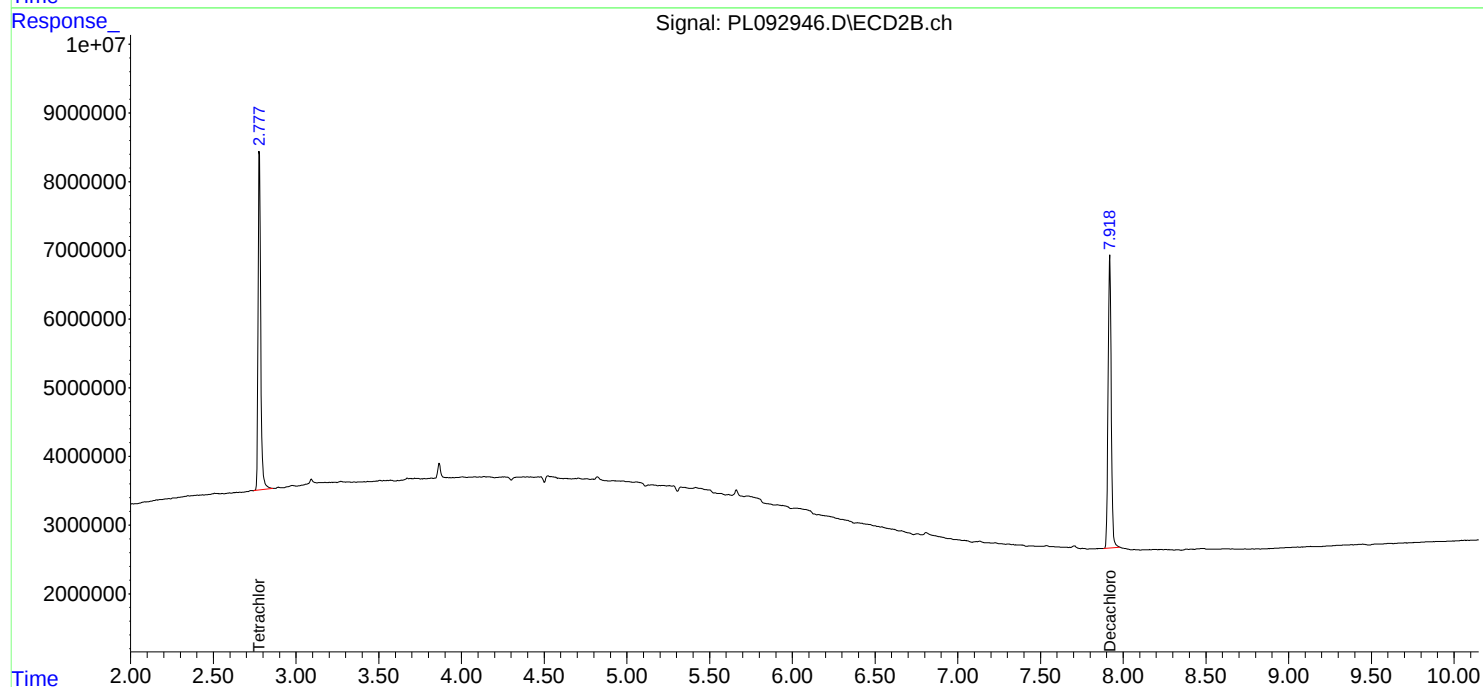
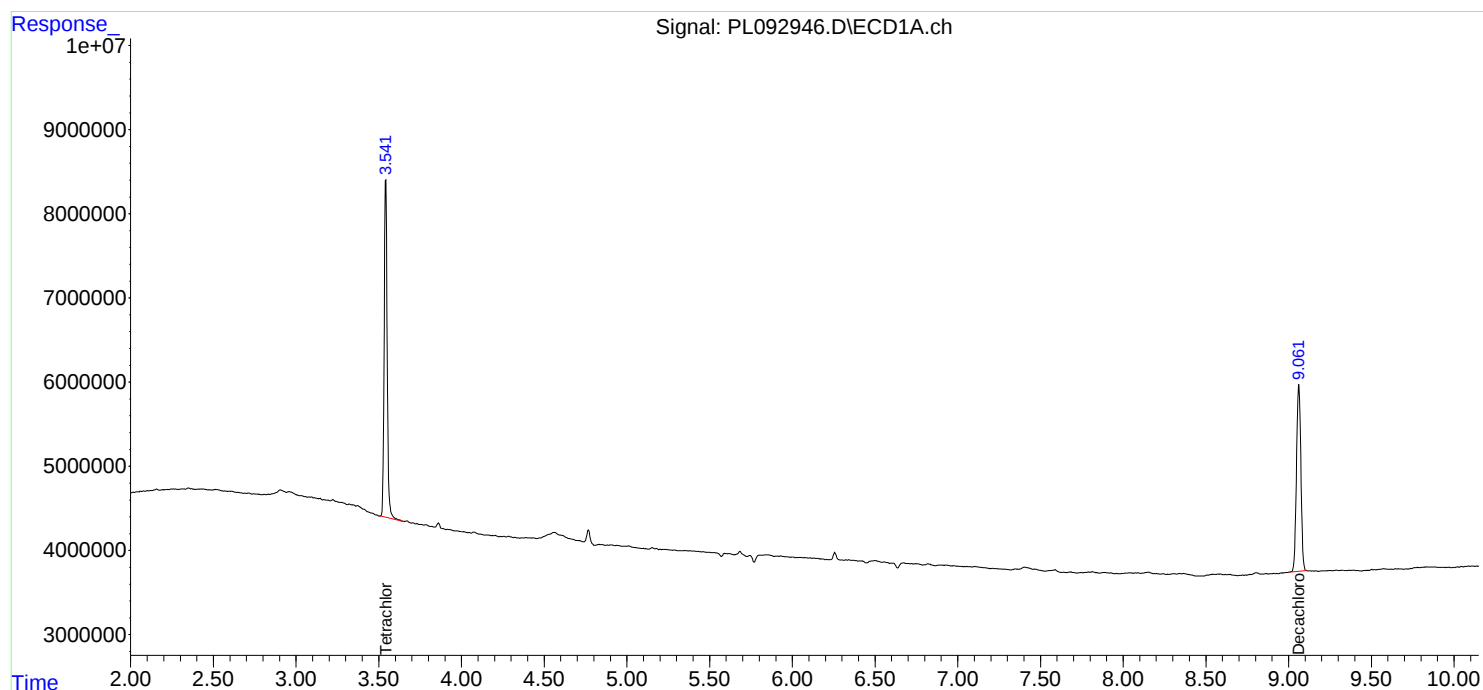
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

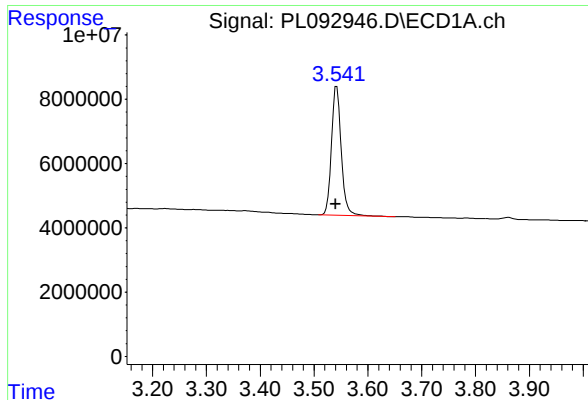
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092946.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:40  
Operator : AR\AJ  
Sample : PB164694TB  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB164694TB

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:48:48 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

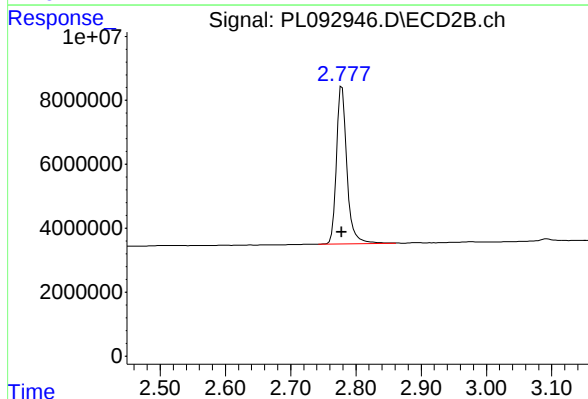




## #1 Tetrachloro-m-xylene

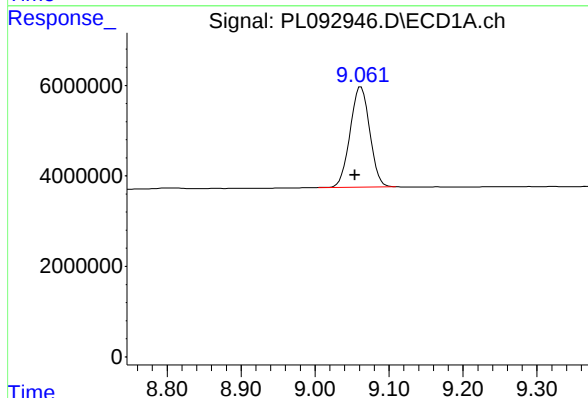
R.T.: 3.542 min  
Delta R.T.: 0.002 min  
Response: 50543817  
Conc: 20.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164694TB



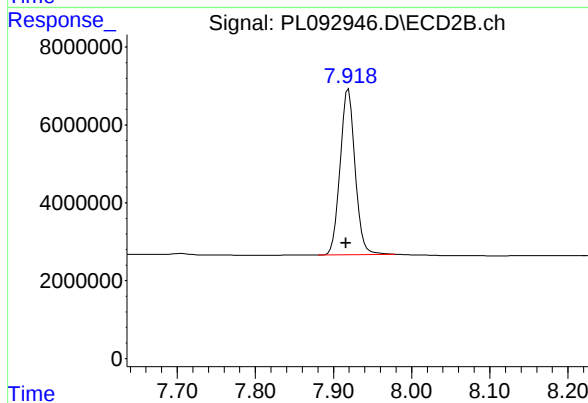
## #1 Tetrachloro-m-xylene

R.T.: 2.779 min  
Delta R.T.: 0.000 min  
Response: 54730479  
Conc: 20.11 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: 0.008 min  
Response: 40873416  
Conc: 21.24 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.919 min  
Delta R.T.: 0.003 min  
Response: 56699558  
Conc: 20.77 ng/ml



# CALIBRATION SUMMARY

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

[illegible]

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

[illegible]



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.: P4718 SAS No.: P4718 SDG NO.: P4718

Instrument ID: ECD\_L

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL092655.D</u> | CF 075 =          | <u>PL092656.D</u> |                   |       |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |            | <u>PL092657.D</u> | CF 025 =          | <u>PL092658.D</u> | CF 005 =          | <u>PL092659.D</u> |       |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| Decachlorobiphenyl   | 1738840000 | 1756630000        | 1819720000        | 1998760000        | 2308800000        | 1924550000        | 12    |
| Endrin               | 2111540000 | 2103000000        | 2121260000        | 2324460000        | 2723040000        | 2276660000        | 12    |
| gamma-BHC (Lindane)  | 3198960000 | 3133030000        | 3104430000        | 3278360000        | 3583040000        | 3259560000        | 6     |
| Heptachlor           | 2817300000 | 2795570000        | 2829220000        | 3064000000        | 3509480000        | 3003110000        | 10    |
| Heptachlor epoxide   | 2536240000 | 2521530000        | 2566410000        | 2821600000        | 3361270000        | 2761410000        | 13    |
| Methoxychlor         | 1040530000 | 1050870000        | 1078280000        | 1189160000        | 1341160000        | 1140000000        | 11    |
| Tetrachloro-m-xylene | 2319350000 | 2304070000        | 2328420000        | 2512350000        | 2786990000        | 2450240000        | 8     |



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### CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Instrument ID: ECD\_L

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL092655.D</u> | CF 075 =          | <u>PL092656.D</u> |                   |       |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |            | <u>PL092657.D</u> | CF 025 =          | <u>PL092658.D</u> | CF 005 =          | <u>PL092659.D</u> |       |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| Decachlorobiphenyl   | 2606810000 | 2575500000        | 2605540000        | 2793460000        | 3064890000        | 2729240000        | 8     |
| Endrin               | 2969490000 | 2878380000        | 2828080000        | 2876210000        | 2912860000        | 2893010000        | 2     |
| gamma-BHC (Lindane)  | 4083950000 | 3934430000        | 3833920000        | 3828430000        | 3616530000        | 3859450000        | 4     |
| Heptachlor           | 3876200000 | 3766580000        | 3709120000        | 3779090000        | 3738650000        | 3773930000        | 2     |
| Heptachlor epoxide   | 3405420000 | 3318630000        | 3272090000        | 3352830000        | 3358060000        | 3341410000        | 1     |
| Methoxychlor         | 1400820000 | 1385450000        | 1393920000        | 1470360000        | 1489590000        | 1428030000        | 3     |
| Tetrachloro-m-xylene | 2724750000 | 2661560000        | 2643180000        | 2728430000        | 2847900000        | 2721160000        | 3     |



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### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Instrument ID: ECD\_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Chlordane | 500            | 1    | 4.70 | 4.60      | 4.80 | 106996000             |
|           |                | 2    | 5.23 | 5.13      | 5.33 | 110397000             |
|           |                | 3    | 5.94 | 5.84      | 6.04 | 372388000             |
|           |                | 4    | 6.02 | 5.92      | 6.12 | 458405000             |
|           |                | 5    | 6.87 | 6.77      | 6.97 | 92161100              |
| Toxaphene | 500            | 1    | 6.24 | 6.14      | 6.34 | 23962400              |
|           |                | 2    | 6.44 | 6.34      | 6.54 | 13823600              |
|           |                | 3    | 7.06 | 6.96      | 7.16 | 79159800              |
|           |                | 4    | 7.15 | 7.05      | 7.25 | 59803700              |
|           |                | 5    | 7.93 | 7.83      | 8.03 | 45329200              |



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Fax : 908 789 8922

### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Instrument ID: ECD\_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Chlordane | 500            | 1    | 3.78 | 3.68      | 3.88 | 105092000             |
|           |                | 2    | 4.35 | 4.25      | 4.45 | 120641000             |
|           |                | 3    | 4.98 | 4.88      | 5.08 | 361048000             |
|           |                | 4    | 5.05 | 4.95      | 5.15 | 346821000             |
|           |                | 5    | 5.94 | 5.84      | 6.04 | 124060000             |
| Toxaphene | 500            | 1    | 5.01 | 4.91      | 5.11 | 19952700              |
|           |                | 2    | 5.33 | 5.23      | 5.43 | 19749600              |
|           |                | 3    | 6.61 | 6.51      | 6.71 | 70222500              |
|           |                | 4    | 6.73 | 6.63      | 6.83 | 98337700              |
|           |                | 5    | 7.05 | 6.95      | 7.15 | 65479700              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092655.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 14:43  
 Operator : AR\AJ  
 Sample : PSTDICC100  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC100

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 17:08:56 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:06:20 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|---------|---------|---------|---------|
| -----                       |                 |       |       |         |         |         |         |
| System Monitoring Compounds |                 |       |       |         |         |         |         |
| 1)                          | SA Tetrachlo... | 3.540 | 2.778 | 231.9E6 | 272.5E6 | 99.805  | 101.520 |
| 28)                         | SA Decachlor... | 9.054 | 7.915 | 173.9E6 | 260.7E6 | 97.727  | 100.024 |
| Target Compounds            |                 |       |       |         |         |         |         |
| 2)                          | A alpha-BHC     | 3.996 | 3.281 | 335.7E6 | 428.2E6 | 101.915 | 103.738 |
| 3)                          | MA gamma-BHC... | 4.328 | 3.611 | 319.9E6 | 408.4E6 | 101.500 | 103.158 |
| 4)                          | MA Heptachlor   | 4.917 | 3.950 | 281.7E6 | 387.6E6 | 99.789  | 102.203 |
| 5)                          | MB Aldrin       | 5.258 | 4.230 | 284.7E6 | 384.1E6 | 100.711 | 102.971 |
| 6)                          | B beta-BHC      | 4.525 | 3.910 | 134.3E6 | 162.5E6 | 99.068  | 101.057 |
| 7)                          | B delta-BHC     | 4.773 | 4.139 | 306.8E6 | 408.8E6 | 101.972 | 103.616 |
| 8)                          | B Heptachlo...  | 5.685 | 4.732 | 253.6E6 | 340.5E6 | 99.409  | 101.997 |
| 9)                          | A Endosulfan I  | 6.070 | 5.102 | 232.1E6 | 311.1E6 | 99.407  | 101.931 |
| 10)                         | B gamma-Chl...  | 5.940 | 4.982 | 249.7E6 | 347.0E6 | 100.095 | 102.605 |
| 11)                         | B alpha-Chl...  | 6.019 | 5.046 | 248.7E6 | 340.9E6 | 99.933  | 102.323 |
| 12)                         | B 4,4'-DDE      | 6.193 | 5.235 | 225.4E6 | 333.5E6 | 100.536 | 102.774 |
| 13)                         | MA Dieldrin     | 6.345 | 5.366 | 248.7E6 | 348.3E6 | 100.220 | 102.853 |
| 14)                         | MA Endrin       | 6.575 | 5.641 | 211.2E6 | 296.9E6 | 99.771  | 102.439 |
| 15)                         | B Endosulfa...  | 6.794 | 5.936 | 216.0E6 | 288.2E6 | 98.961  | 101.794 |
| 16)                         | A 4,4'-DDD      | 6.710 | 5.789 | 181.0E6 | 261.5E6 | 99.788  | 103.390 |
| 17)                         | MA 4,4'-DDT     | 7.024 | 6.039 | 194.9E6 | 279.7E6 | 100.211 | 102.948 |
| 18)                         | B Endrin al...  | 6.924 | 6.115 | 171.2E6 | 227.4E6 | 98.679  | 100.967 |
| 19)                         | B Endosulfa...  | 7.158 | 6.338 | 197.4E6 | 270.8E6 | 98.735  | 101.573 |
| 20)                         | A Methoxychlor  | 7.500 | 6.614 | 104.1E6 | 140.1E6 | 98.219  | 100.247 |
| 21)                         | B Endrin ke...  | 7.643 | 6.843 | 225.4E6 | 309.0E6 | 99.557  | 101.257 |
| 22)                         | Mirex           | 8.117 | 7.024 | 176.1E6 | 246.6E6 | 97.640  | 99.464  |
| -----                       |                 |       |       |         |         |         |         |

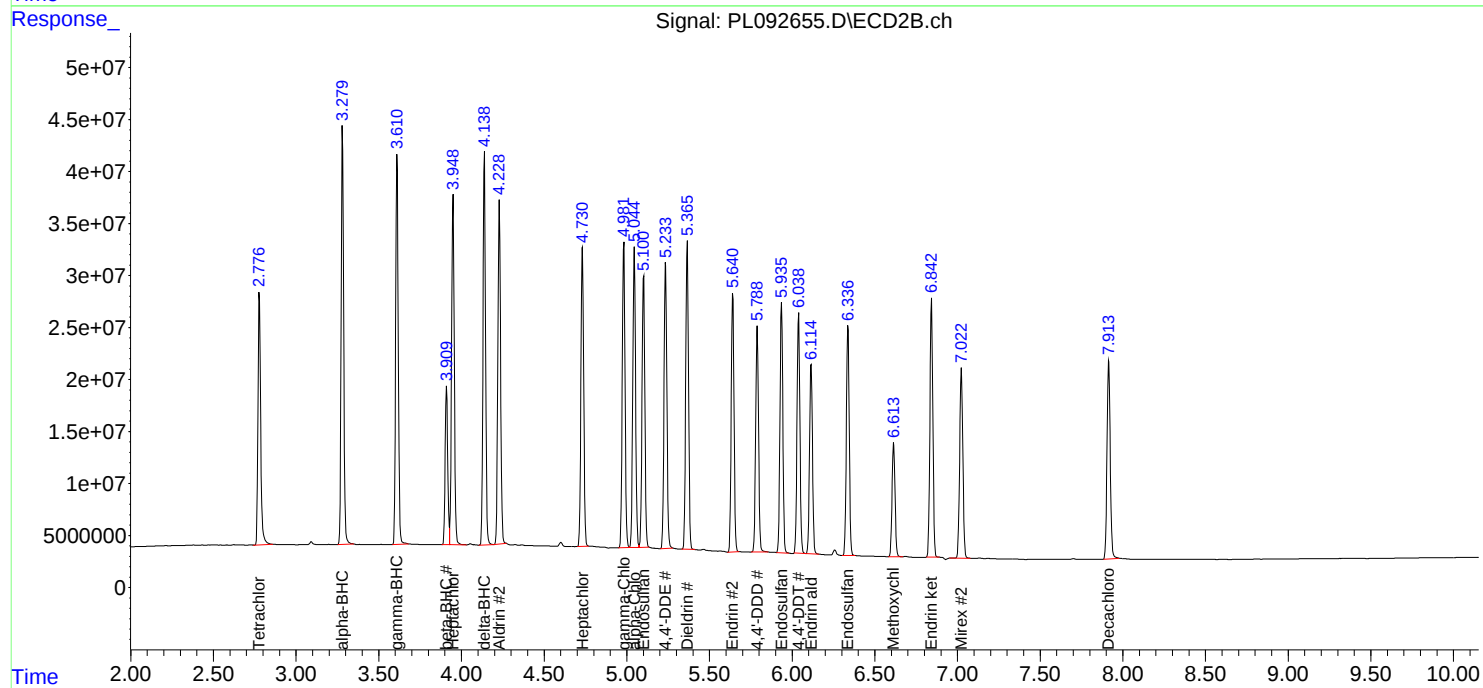
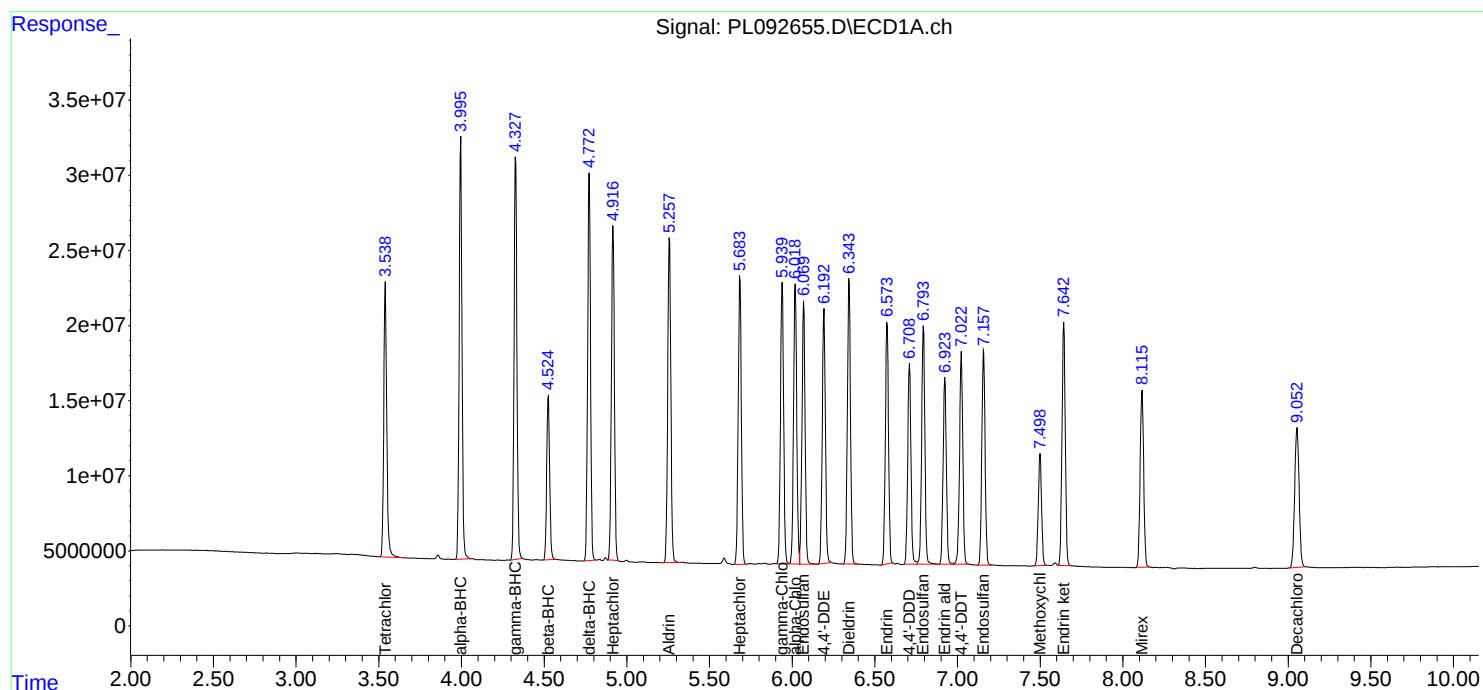
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092655.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 14:43  
Operator : AR\AJ  
Sample : PSTDICC100  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC100

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 17:08:56 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:06:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092656.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 14:56  
 Operator : AR\AJ  
 Sample : PSTDICC075  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC075

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 17:11:32 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:10:47 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.540 | 2.778 | 172.8E6  | 199.6E6 | 74.573 | 74.581 |
| 28)                         | SA Decachlor... | 9.054 | 7.916 | 131.7E6  | 193.2E6 | 74.361 | 74.409 |
| Target Compounds            |                 |       |       |          |         |        |        |
| 2)                          | A alpha-BHC     | 3.996 | 3.281 | 245.4E6  | 306.7E6 | 74.672 | 74.526 |
| 3)                          | MA gamma-BHC... | 4.328 | 3.611 | 235.0E6  | 295.1E6 | 74.703 | 74.690 |
| 4)                          | MA Heptachlor   | 4.917 | 3.950 | 209.7E6  | 282.5E6 | 74.508 | 74.655 |
| 5)                          | MB Aldrin       | 5.259 | 4.230 | 210.2E6  | 277.9E6 | 74.567 | 74.665 |
| 6)                          | B beta-BHC      | 4.526 | 3.911 | 100.4E6  | 119.6E6 | 74.376 | 74.585 |
| 7)                          | B delta-BHC     | 4.773 | 4.140 | 223.5E6  | 294.4E6 | 74.528 | 74.738 |
| 8)                          | B Heptachlo...  | 5.685 | 4.733 | 189.1E6  | 248.9E6 | 74.414 | 74.698 |
| 9)                          | A Endosulfan I  | 6.070 | 5.103 | 173.5E6  | 227.5E6 | 74.558 | 74.676 |
| 10)                         | B gamma-Chl...  | 5.941 | 4.982 | 185.8E6  | 251.7E6 | 74.671 | 74.608 |
| 11)                         | B alpha-Chl...  | 6.019 | 5.047 | 185.2E6  | 247.8E6 | 74.613 | 74.571 |
| 12)                         | B 4,4'-DDE      | 6.193 | 5.235 | 167.0E6  | 241.9E6 | 74.650 | 74.705 |
| 13)                         | MA Dieldrin     | 6.345 | 5.366 | 184.3E6  | 252.3E6 | 74.504 | 74.669 |
| 14)                         | MA Endrin       | 6.575 | 5.642 | 157.7E6  | 215.9E6 | 74.683 | 74.647 |
| 15)                         | B Endosulfa...  | 6.794 | 5.937 | 162.1E6  | 211.0E6 | 74.503 | 74.700 |
| 16)                         | A 4,4'-DDD      | 6.710 | 5.790 | 135.1E6  | 188.0E6 | 74.665 | 74.546 |
| 17)                         | MA 4,4'-DDT     | 7.024 | 6.040 | 145.0E6  | 203.5E6 | 74.705 | 74.920 |
| 18)                         | B Endrin al...  | 6.924 | 6.116 | 128.9E6  | 168.3E6 | 74.510 | 74.830 |
| 19)                         | B Endosulfa...  | 7.159 | 6.339 | 148.5E6  | 198.5E6 | 74.498 | 74.635 |
| 20)                         | A Methoxychlor  | 7.500 | 6.615 | 78815004 | 103.9E6 | 74.596 | 74.572 |
| 21)                         | B Endrin ke...  | 7.643 | 6.844 | 168.5E6  | 226.7E6 | 74.619 | 74.533 |
| 22)                         | Mirex           | 8.117 | 7.024 | 133.9E6  | 183.5E6 | 74.491 | 74.331 |

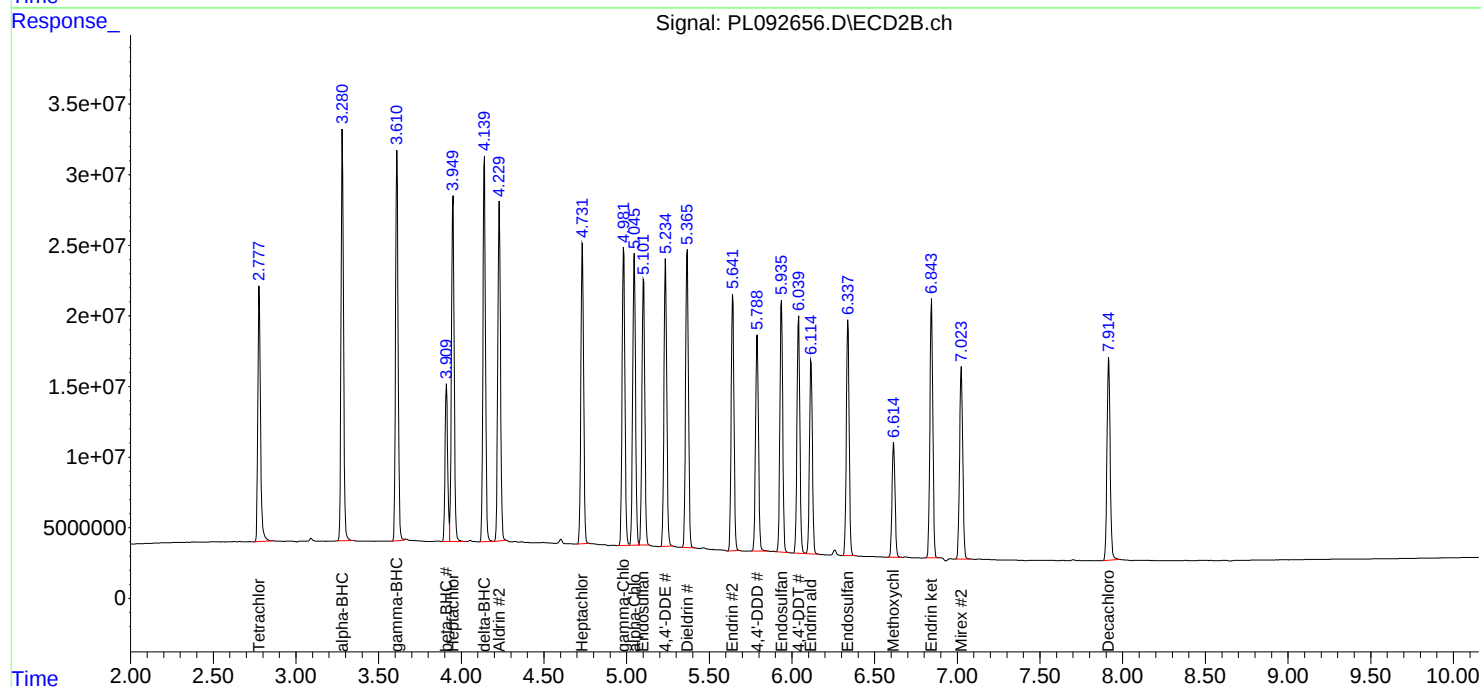
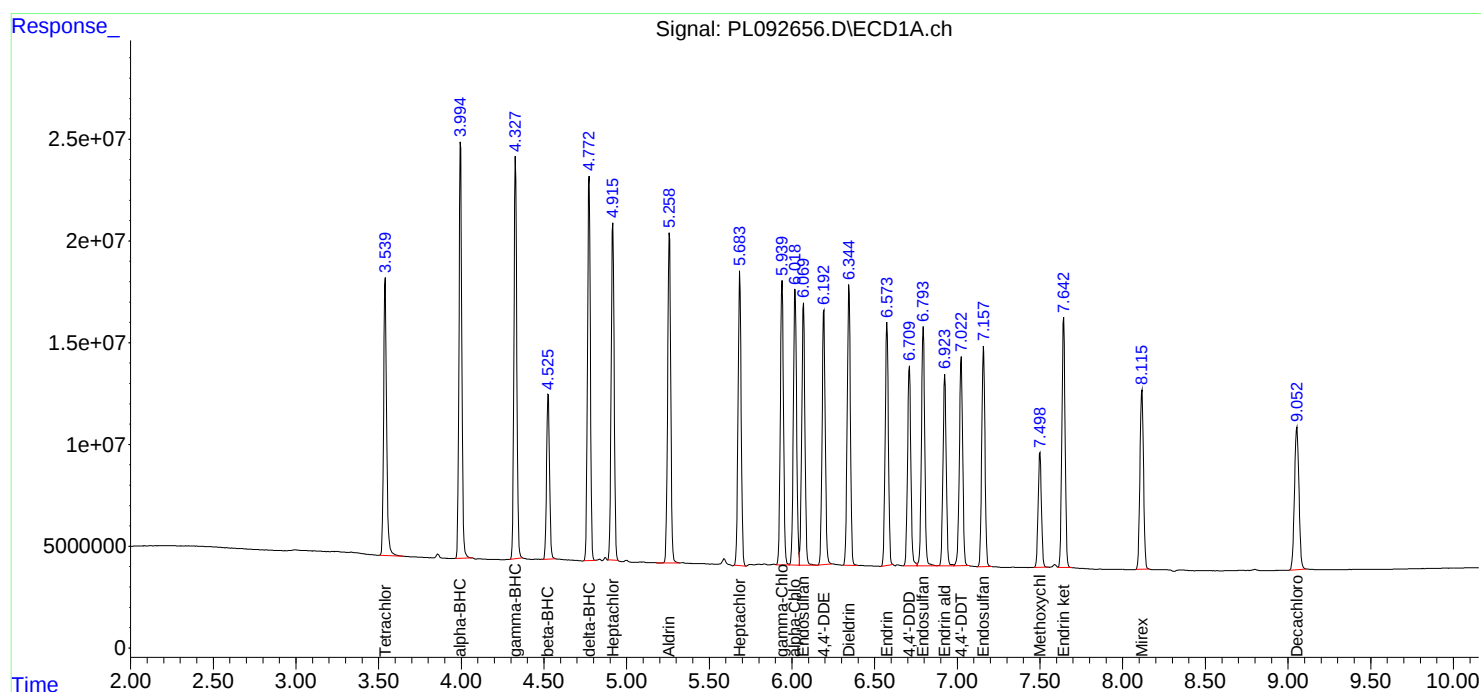
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092656.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 14:56  
Operator : AR\AJ  
Sample : PSTDICC075  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC075

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 17:11:32 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:10:47 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092657.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 15:09  
 Operator : AR\AJ  
 Sample : PSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 17:06:37 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:06:20 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.540 | 2.778 | 116.4E6  | 132.2E6  | 50.000 | 50.000 |
| 28)                         | SA Decachlor... | 9.054 | 7.916 | 90985898 | 130.3E6  | 50.000 | 50.000 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.996 | 3.281 | 161.5E6  | 198.7E6  | 50.000 | 50.000 |
| 3)                          | MA gamma-BHC... | 4.328 | 3.611 | 155.2E6  | 191.7E6  | 50.000 | 50.000 |
| 4)                          | MA Heptachlor   | 4.917 | 3.949 | 141.5E6  | 185.5E6  | 50.000 | 50.000 |
| 5)                          | MB Aldrin       | 5.258 | 4.229 | 140.4E6  | 181.0E6  | 50.000 | 50.000 |
| 6)                          | B beta-BHC      | 4.525 | 3.910 | 68426712 | 79558092 | 50.000 | 50.000 |
| 7)                          | B delta-BHC     | 4.772 | 4.139 | 147.5E6  | 190.1E6  | 50.000 | 50.000 |
| 8)                          | B Heptachlo...  | 5.684 | 4.732 | 128.3E6  | 163.6E6  | 50.000 | 50.000 |
| 9)                          | A Endosulfan I  | 6.070 | 5.102 | 117.4E6  | 149.7E6  | 50.000 | 50.000 |
| 10)                         | B gamma-Chl...  | 5.941 | 4.982 | 124.6E6  | 164.7E6  | 50.000 | 50.000 |
| 11)                         | B alpha-Chl...  | 6.019 | 5.045 | 124.5E6  | 162.7E6  | 50.000 | 50.000 |
| 12)                         | B 4,4'-DDE      | 6.193 | 5.235 | 111.5E6  | 157.7E6  | 50.000 | 50.000 |
| 13)                         | MA Dieldrin     | 6.345 | 5.366 | 123.8E6  | 164.5E6  | 50.000 | 50.000 |
| 14)                         | MA Endrin       | 6.574 | 5.641 | 106.1E6  | 141.4E6  | 50.000 | 50.000 |
| 15)                         | B Endosulfa...  | 6.794 | 5.936 | 110.3E6  | 139.0E6  | 50.000 | 50.000 |
| 16)                         | A 4,4'-DDD      | 6.710 | 5.789 | 90898841 | 122.2E6  | 50.000 | 50.000 |
| 17)                         | MA 4,4'-DDT     | 7.023 | 6.040 | 97035972 | 131.9E6  | 50.000 | 50.000 |
| 18)                         | B Endrin al...  | 6.924 | 6.115 | 87908093 | 111.5E6  | 50.000 | 50.000 |
| 19)                         | B Endosulfa...  | 7.158 | 6.338 | 101.2E6  | 131.2E6  | 50.000 | 50.000 |
| 20)                         | A Methoxychlor  | 7.499 | 6.615 | 53913903 | 69696231 | 50.000 | 50.000 |
| 21)                         | B Endrin ke...  | 7.643 | 6.843 | 113.7E6  | 150.7E6  | 50.000 | 50.000 |
| 22)                         | Mirex           | 8.116 | 7.024 | 92300183 | 124.6E6  | 50.000 | 50.000 |

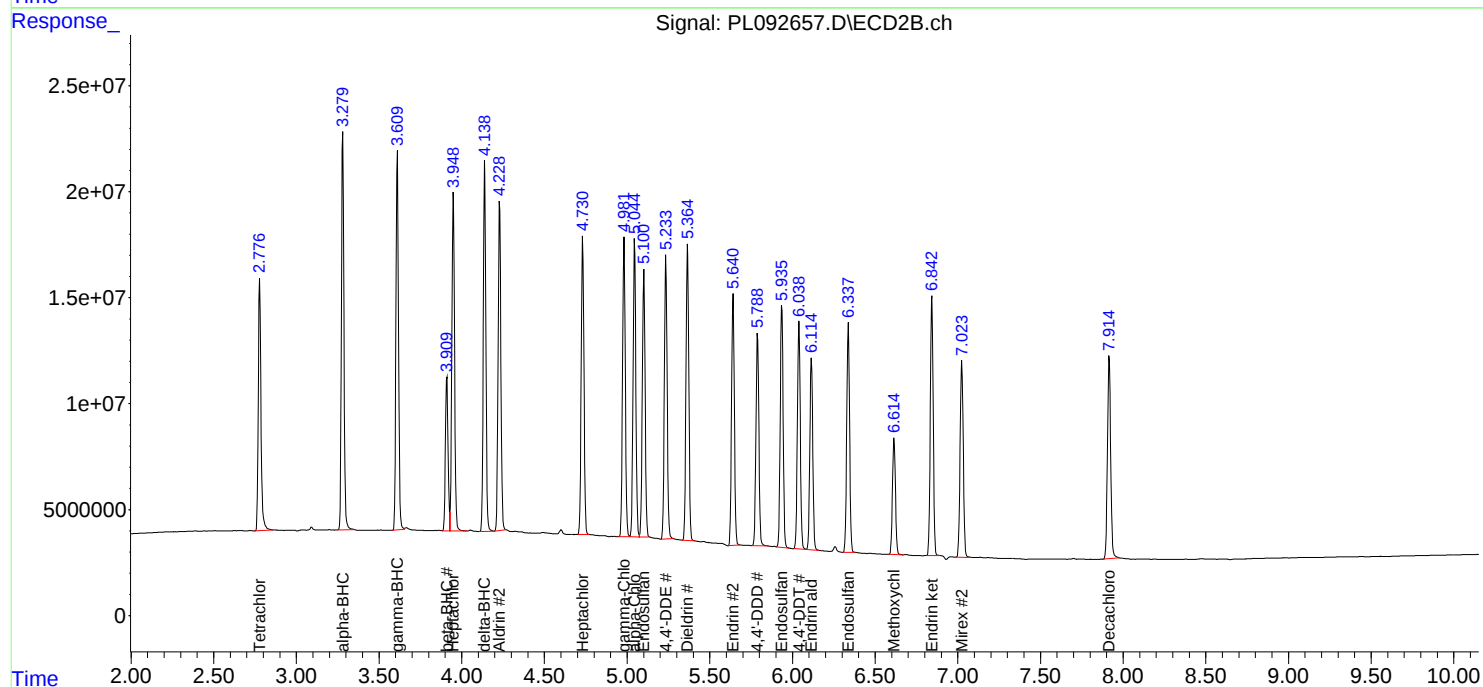
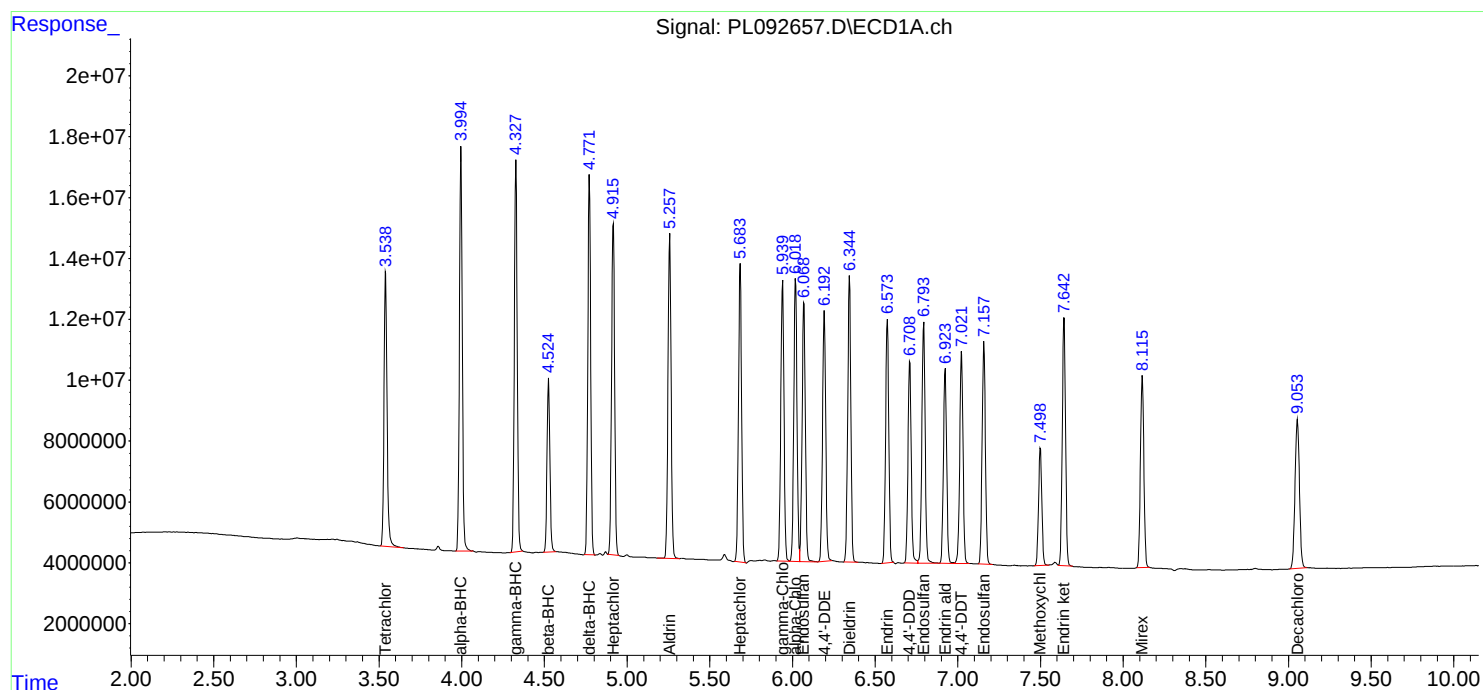
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092657.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 15:09  
Operator : AR\AJ  
Sample : PSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 17:06:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:06:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092658.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 15:23  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDICC025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 17:13:36 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:10:47 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.540 | 2.778 | 62808688 | 68210857 | 26.546 | 25.362 |
| 28) SA Decachlor...         | 9.054 | 7.916 | 49968947 | 69836578 | 27.328 | 26.400 |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.996 | 3.281 | 84927238 | 98362013 | 25.627 | 24.168 |
| 3) MA gamma-BHC...          | 4.328 | 3.611 | 81958950 | 95710712 | 25.784 | 24.415 |
| 4) MA Heptachlor            | 4.917 | 3.950 | 76599935 | 94477178 | 26.629 | 24.976 |
| 5) MB Aldrin                | 5.259 | 4.230 | 76180853 | 90483526 | 26.486 | 24.481 |
| 6) B beta-BHC               | 4.526 | 3.911 | 37295050 | 41549746 | 26.915 | 25.675 |
| 7) B delta-BHC              | 4.773 | 4.140 | 77991786 | 94555626 | 25.748 | 24.249 |
| 8) B Heptachlo...           | 5.685 | 4.732 | 70540111 | 83820686 | 27.012 | 25.117 |
| 9) A Endosulfan I           | 6.070 | 5.102 | 63654358 | 76808476 | 26.720 | 25.162 |
| 10) B gamma-Chl...          | 5.941 | 4.982 | 67586796 | 83550406 | 26.583 | 24.826 |
| 11) B alpha-Chl...          | 6.019 | 5.046 | 67542919 | 83232660 | 26.625 | 25.039 |
| 12) B 4,4'-DDE              | 6.193 | 5.235 | 60061765 | 80248978 | 26.363 | 24.834 |
| 13) MA Dieldrin             | 6.345 | 5.366 | 66985225 | 82586412 | 26.531 | 24.577 |
| 14) MA Endrin               | 6.574 | 5.642 | 58111422 | 71905340 | 26.841 | 24.898 |
| 15) B Endosulfa...          | 6.793 | 5.937 | 61248899 | 71530905 | 27.295 | 25.239 |
| 16) A 4,4'-DDD              | 6.710 | 5.790 | 49194300 | 62230288 | 26.599 | 24.759 |
| 17) MA 4,4'-DDT             | 7.023 | 6.040 | 52836397 | 66342279 | 26.630 | 24.568 |
| 18) B Endrin al...          | 6.923 | 6.116 | 48897872 | 58336435 | 27.376 | 25.694 |
| 19) B Endosulfa...          | 7.158 | 6.339 | 55996056 | 67808739 | 27.255 | 25.373 |
| 20) A Methoxychlor          | 7.499 | 6.615 | 29728906 | 36759011 | 27.282 | 26.022 |
| 21) B Endrin ke...          | 7.643 | 6.844 | 61777342 | 77430982 | 26.728 | 25.339 |
| 22) Mirex                   | 8.116 | 7.025 | 51864163 | 67137696 | 27.785 | 26.612 |

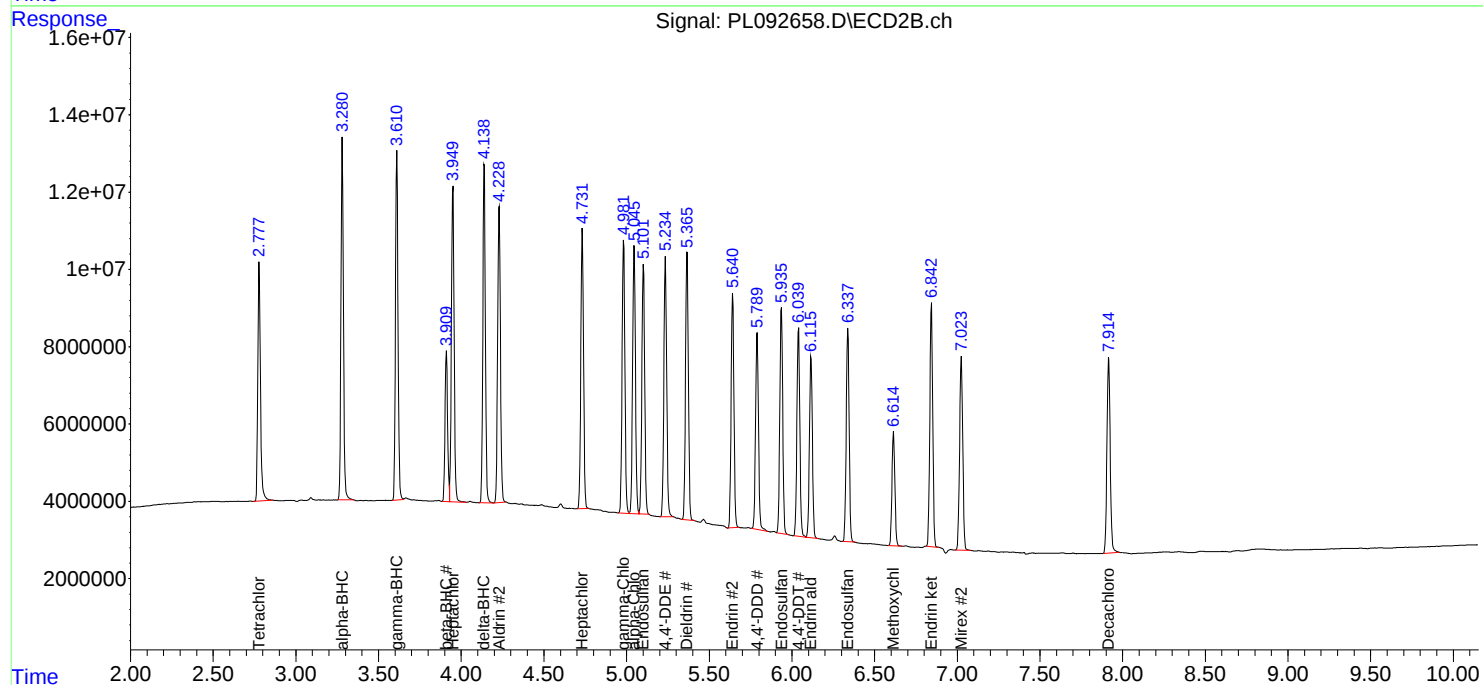
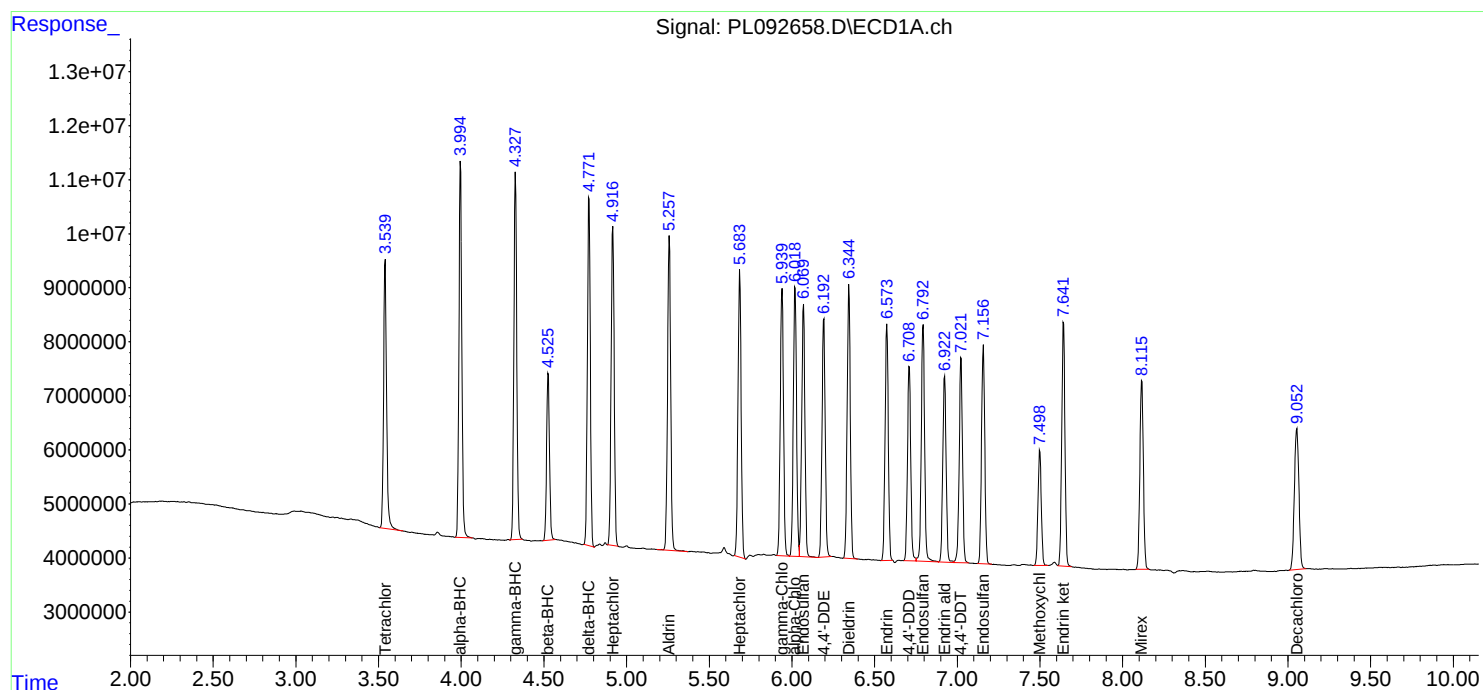
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092658.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 15:23  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDICC025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 17:13:36 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:10:47 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092659.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 15:36  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC005

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 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 28 17:16:08 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:10:47 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml |
|-----------------------------|-------|-------|----------|----------|--------|-------|
| -----                       |       |       |          |          |        |       |
| System Monitoring Compounds |       |       |          |          |        |       |
| 1) SA Tetrachlo...          | 3.540 | 2.778 | 13934946 | 14239511 | 5.687  | 5.233 |
| 28) SA Decachlor...         | 9.053 | 7.915 | 11544004 | 15324471 | 5.998  | 5.615 |
| Target Compounds            |       |       |          |          |        |       |
| 2) A alpha-BHC              | 3.995 | 3.280 | 18509728 | 18354234 | 5.458  | 4.600 |
| 3) MA gamma-BHC...          | 4.328 | 3.611 | 17915176 | 18082634 | 5.496  | 4.685 |
| 4) MA Heptachlor            | 4.916 | 3.950 | 17547418 | 18693239 | 5.843  | 4.953 |
| 5) MB Aldrin                | 5.258 | 4.229 | 17512022 | 17582981 | 5.834  | 4.804 |
| 6) B beta-BHC               | 4.526 | 3.910 | 8423294  | 8790546  | 5.827  | 5.340 |
| 7) B delta-BHC              | 4.771 | 4.139 | 17664985 | 18090728 | 5.611m | 4.707 |
| 8) B Heptachlo...           | 5.682 | 4.732 | 16806367 | 16790300 | 6.074m | 5.025 |
| 9) A Endosulfan I           | 6.069 | 5.102 | 14888105 | 15277635 | 5.952  | 5.004 |
| 10) B gamma-Chl...          | 5.940 | 4.982 | 15665588 | 16732339 | 5.888  | 4.977 |
| 11) B alpha-Chl...          | 6.019 | 5.046 | 15466528 | 16668126 | 5.841  | 5.011 |
| 12) B 4,4'-DDE              | 6.192 | 5.235 | 13664798 | 15911321 | 5.768  | 4.939 |
| 13) MA Dieldrin             | 6.344 | 5.366 | 15390264 | 16300991 | 5.840  | 4.880 |
| 14) MA Endrin               | 6.573 | 5.641 | 13615222 | 14564290 | 5.980  | 5.034 |
| 15) B Endosulfa...          | 6.793 | 5.936 | 14715849 | 14149758 | 6.173  | 4.994 |
| 16) A 4,4'-DDD              | 6.709 | 5.789 | 10998106 | 11982712 | 5.730  | 4.812 |
| 17) MA 4,4'-DDT             | 7.023 | 6.039 | 12061270 | 13048754 | 5.827  | 4.865 |
| 18) B Endrin al...          | 6.923 | 6.115 | 11226054 | 12274278 | 5.978  | 5.320 |
| 19) B Endosulfa...          | 7.157 | 6.338 | 13167738 | 13973088 | 6.067  | 5.181 |
| 20) A Methoxychlor          | 7.499 | 6.614 | 6705797  | 7447941  | 5.882  | 5.216 |
| 21) B Endrin ke...          | 7.643 | 6.843 | 14342863 | 15604260 | 5.920  | 5.085 |
| 22) Mirex                   | 8.116 | 7.024 | 12209643 | 14769955 | 6.161  | 5.661 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092659.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 15:36  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC005

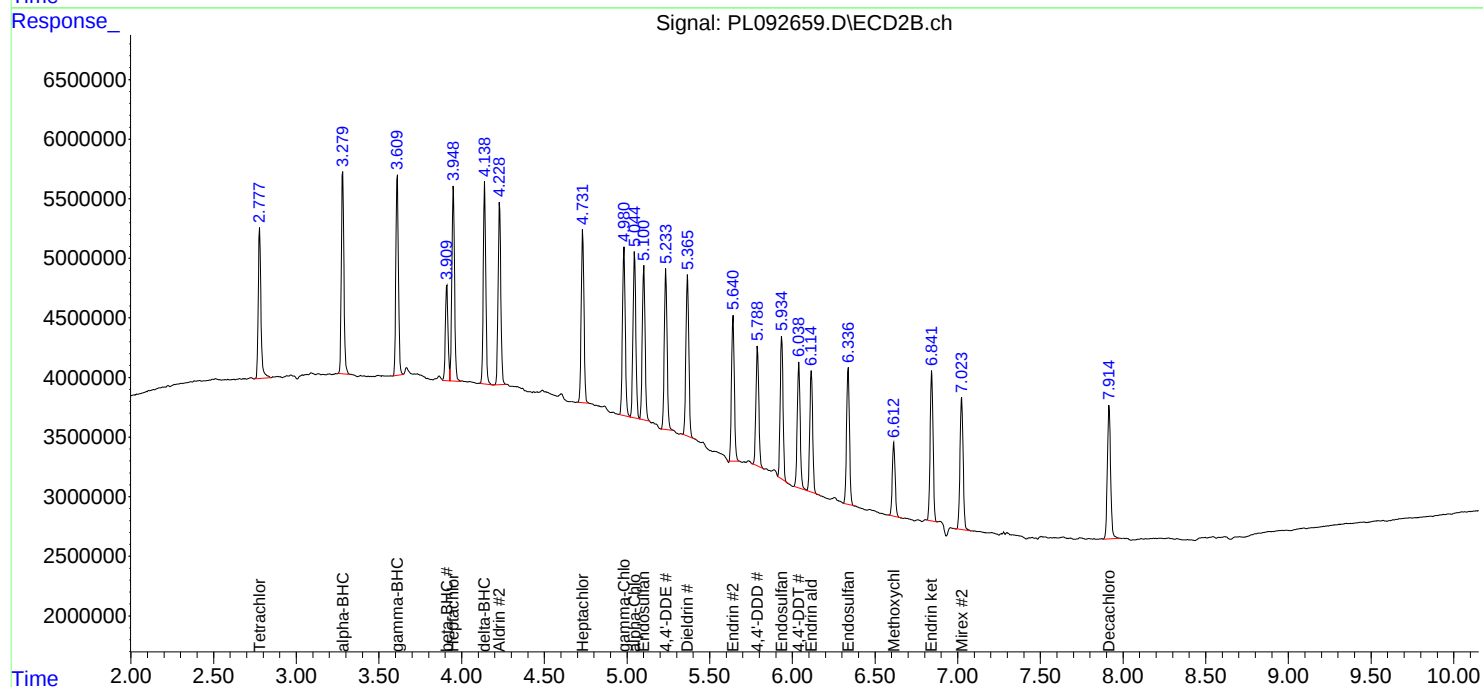
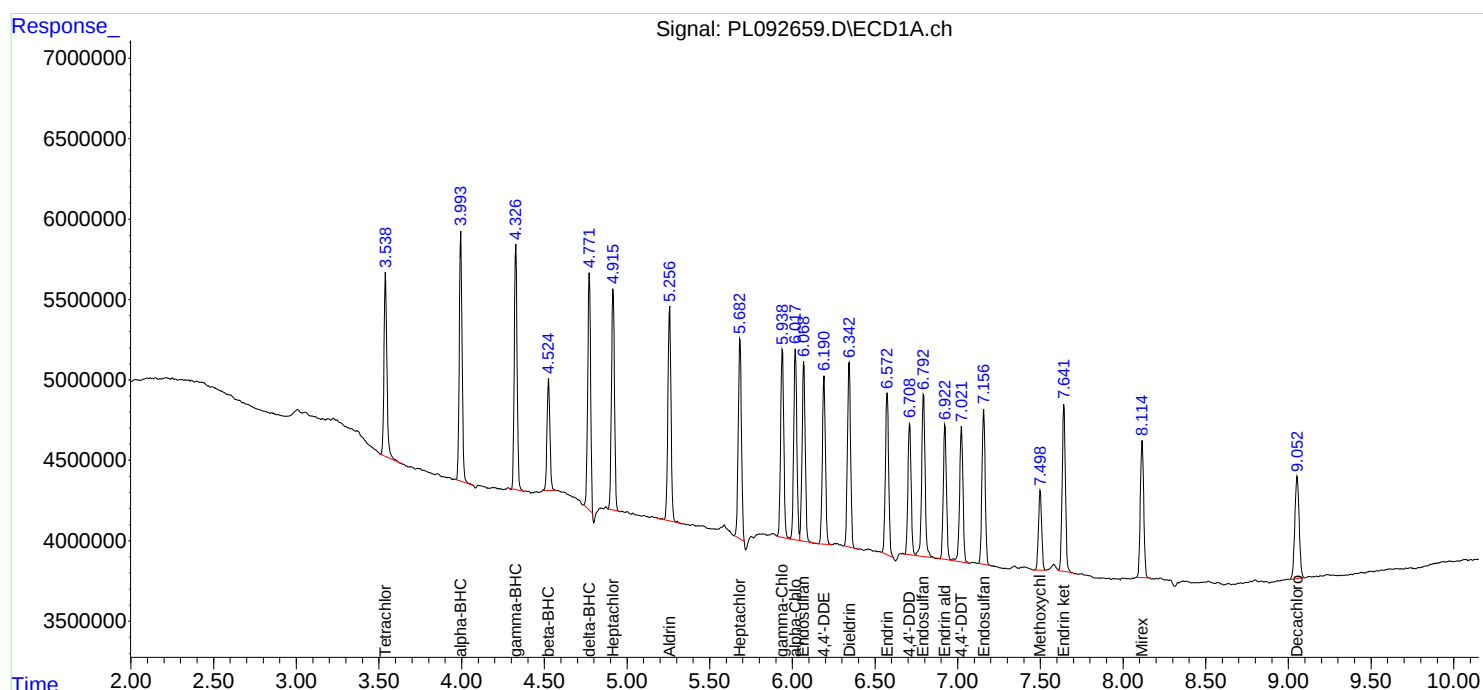
## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 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 28 17:16:08 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:10:47 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092662.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 16:16  
 Operator : AR\AJ  
 Sample : PCHLORICC500  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PCHLORICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 16:53:54 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 16:53:34 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.540 | 2.777 | 115.3E6  | 161.4E6  | 50.000  | 50.000  |
| 28)                         | SA Decachlor... | 9.055 | 7.916 | 90689456 | 133.2E6  | 50.000  | 50.000  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 23)                         | Chlordane-1     | 4.702 | 3.776 | 53498186 | 52546046 | 500.000 | 500.000 |
| 24)                         | Chlordane-2     | 5.231 | 4.352 | 55198384 | 60320369 | 500.000 | 500.000 |
| 25)                         | Chlordane-3     | 5.941 | 4.982 | 186.2E6  | 180.5E6  | 500.000 | 500.000 |
| 26)                         | Chlordane-4     | 6.023 | 5.045 | 229.2E6  | 173.4E6  | 500.000 | 500.000 |
| 27)                         | Chlordane-5     | 6.872 | 5.941 | 46080525 | 62029874 | 500.000 | 500.000 |
| -----                       |                 |       |       |          |          |         |         |

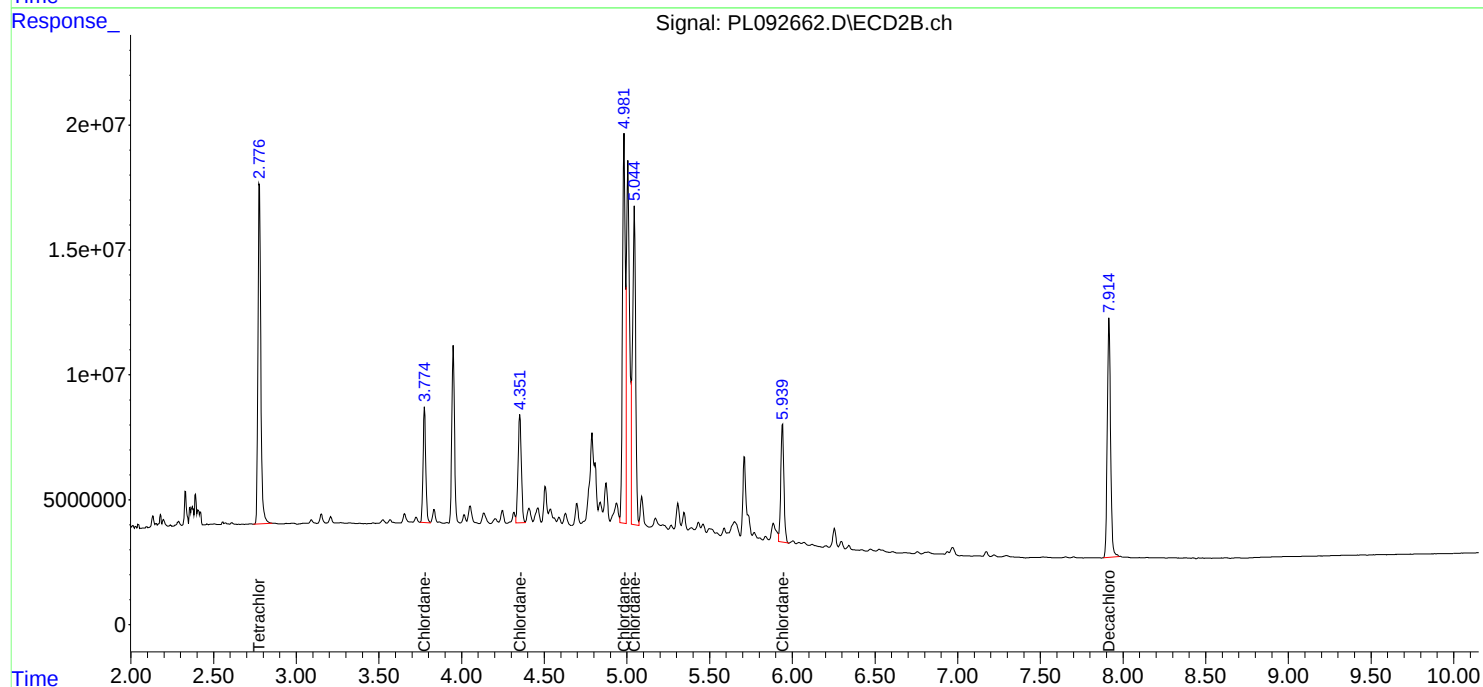
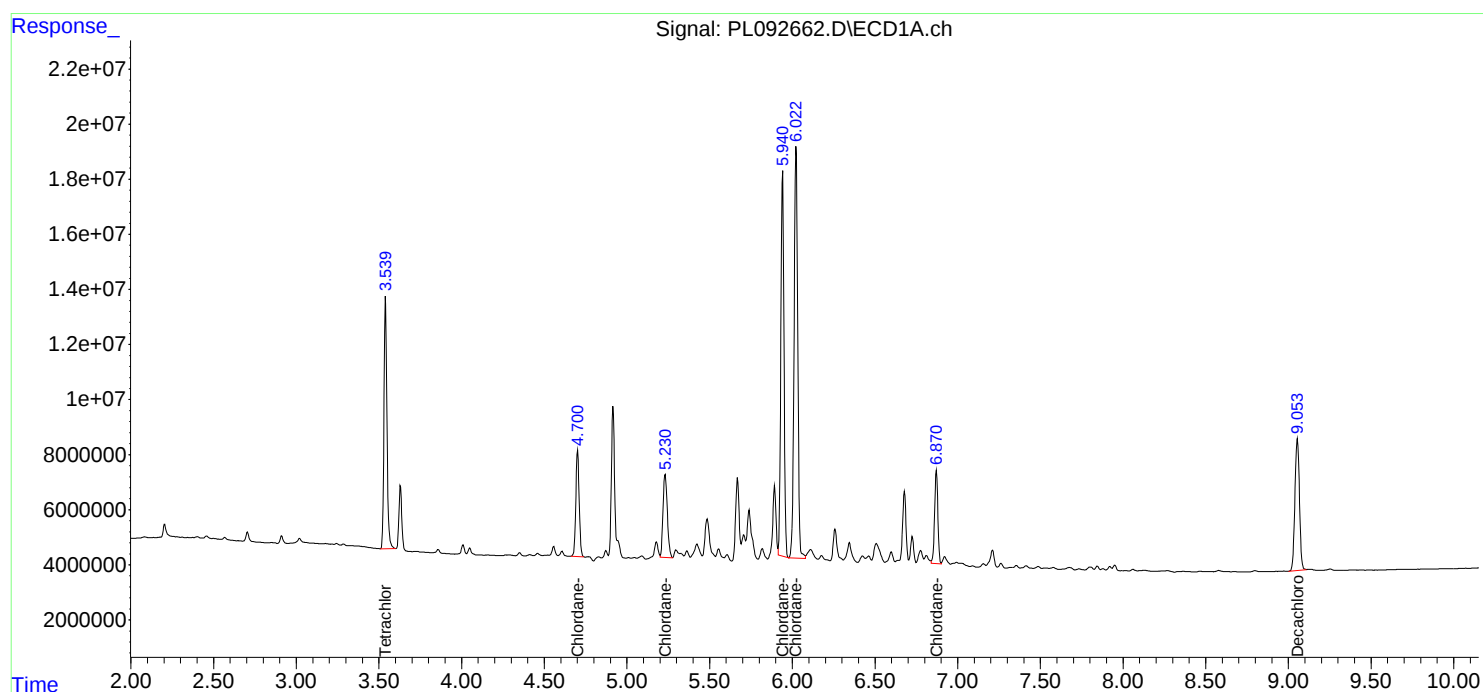
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092662.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 16:16  
Operator : AR\AJ  
Sample : PCHLORICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PCHLORICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 16:53:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 16:53:34 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092667.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 17:23  
 Operator : AR\AJ  
 Sample : PTOXICC500  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PTOXICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 17:35:54 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:35:39 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1  
 Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.540 | 2.778 | 120.2E6  | 137.2E6  | 50.000  | 50.000  |
| 7) SA Decachlor...          | 9.054 | 7.916 | 94872630 | 139.2E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.237 | 5.007 | 11981208 | 9976373  | 500.000 | 500.000 |
| 3) Toxaphene-2              | 6.441 | 5.332 | 6911814  | 9874812  | 500.000 | 500.000 |
| 4) Toxaphene-3              | 7.058 | 6.605 | 39579915 | 35111261 | 500.000 | 500.000 |
| 5) Toxaphene-4              | 7.149 | 6.733 | 29901849 | 49168858 | 500.000 | 500.000 |
| 6) Toxaphene-5              | 7.934 | 7.045 | 22664593 | 32739853 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

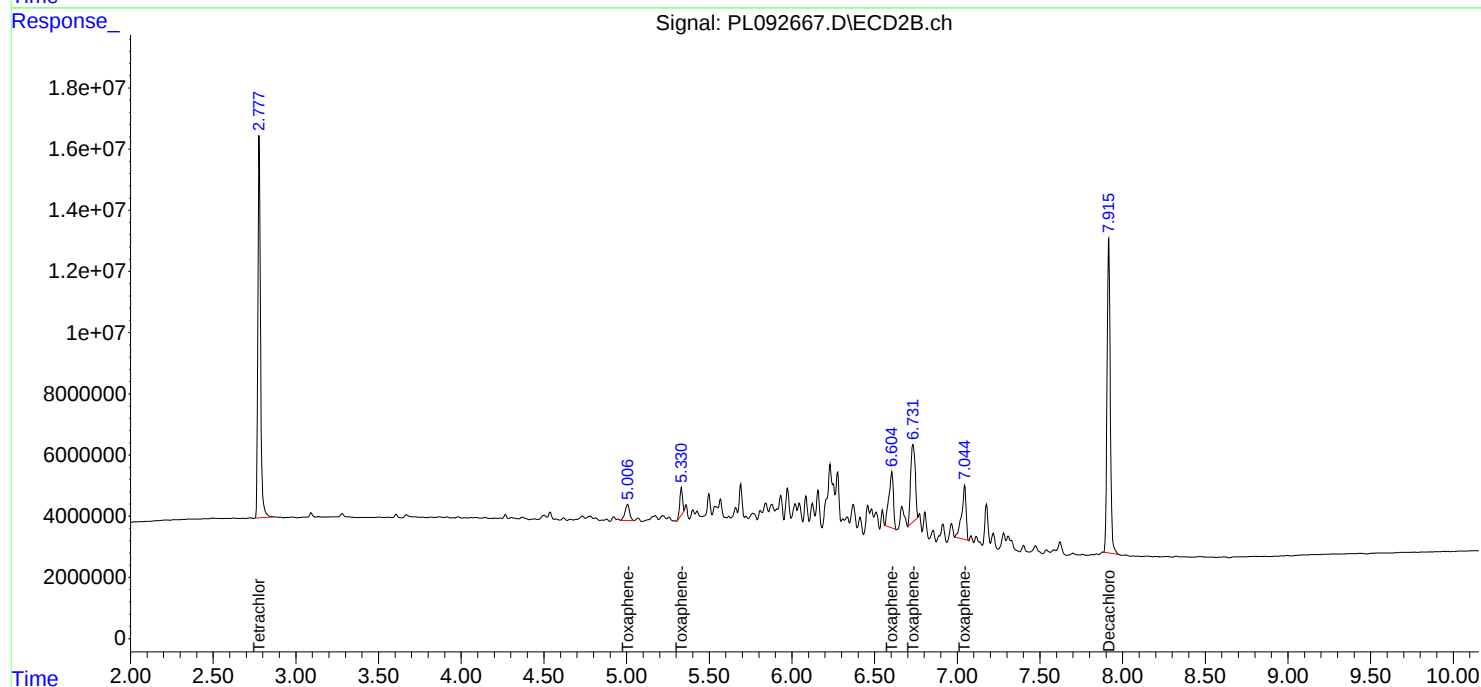
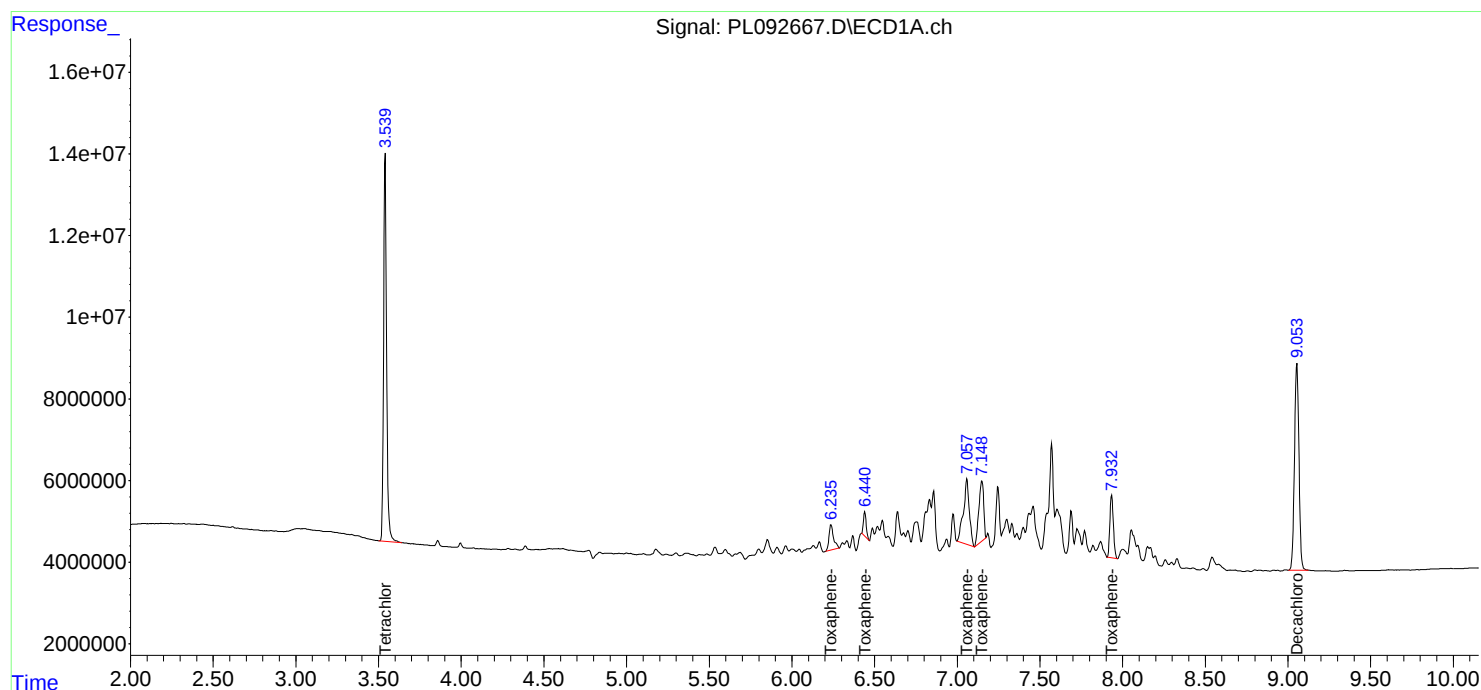
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092667.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 17:23  
Operator : AR\AJ  
Sample : PTOXICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PTOXICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 17:35:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:35:39 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1  
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092670.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 18:03  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL102824

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 18:20:57 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:19:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.540 | 2.778 | 119.9E6  | 136.6E6  | 48.932 | 50.204 |
| 28)                         | SA Decachlor... | 9.054 | 7.916 | 94182239 | 139.9E6  | 48.937 | 51.259 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.996 | 3.281 | 167.5E6  | 204.0E6  | 49.379 | 51.127 |
| 3)                          | MA gamma-BHC... | 4.328 | 3.611 | 160.1E6  | 197.4E6  | 49.125 | 51.136 |
| 4)                          | MA Heptachlor   | 4.916 | 3.950 | 147.0E6  | 192.1E6  | 48.942 | 50.906 |
| 5)                          | MB Aldrin       | 5.258 | 4.230 | 145.8E6  | 187.4E6  | 48.580 | 51.194 |
| 6)                          | B beta-BHC      | 4.526 | 3.911 | 70600682 | 82244973 | 48.843 | 49.959 |
| 7)                          | B delta-BHC     | 4.773 | 4.140 | 153.4E6  | 196.7E6  | 49.025 | 51.190 |
| 8)                          | B Heptachlo...  | 5.684 | 4.732 | 133.1E6  | 169.7E6  | 48.213 | 50.772 |
| 9)                          | A Endosulfan I  | 6.069 | 5.102 | 121.8E6  | 154.2E6  | 48.702 | 50.518 |
| 10)                         | B gamma-Chl...  | 5.941 | 4.982 | 129.8E6  | 169.3E6  | 48.769 | 50.359 |
| 11)                         | B alpha-Chl...  | 6.019 | 5.046 | 129.4E6  | 167.6E6  | 48.847 | 50.380 |
| 12)                         | B 4,4'-DDE      | 6.193 | 5.235 | 116.5E6  | 164.4E6  | 49.166 | 51.019 |
| 13)                         | MA Dieldrin     | 6.345 | 5.366 | 129.0E6  | 171.0E6  | 48.947 | 51.185 |
| 14)                         | MA Endrin       | 6.575 | 5.642 | 110.2E6  | 147.7E6  | 48.393 | 51.063 |
| 15)                         | B Endosulfa...  | 6.794 | 5.937 | 115.4E6  | 145.0E6  | 48.417 | 51.175 |
| 16)                         | A 4,4'-DDD      | 6.710 | 5.790 | 95447383 | 127.7E6  | 49.724 | 51.292 |
| 17)                         | MA 4,4'-DDT     | 7.024 | 6.040 | 102.8E6  | 137.5E6  | 49.676 | 51.253 |
| 18)                         | B Endrin al...  | 6.924 | 6.116 | 91870810 | 116.2E6  | 48.920 | 50.348 |
| 19)                         | B Endosulfa...  | 7.159 | 6.339 | 106.0E6  | 136.5E6  | 48.859 | 50.601 |
| 20)                         | A Methoxychlor  | 7.500 | 6.615 | 57010538 | 73335025 | 50.009 | 51.354 |
| 21)                         | B Endrin ke...  | 7.644 | 6.844 | 118.9E6  | 157.6E6  | 49.074 | 51.358 |
| 22)                         | Mirex           | 8.117 | 7.025 | 96541027 | 131.1E6  | 48.716 | 50.260 |
| -----                       |                 |       |       |          |          |        |        |

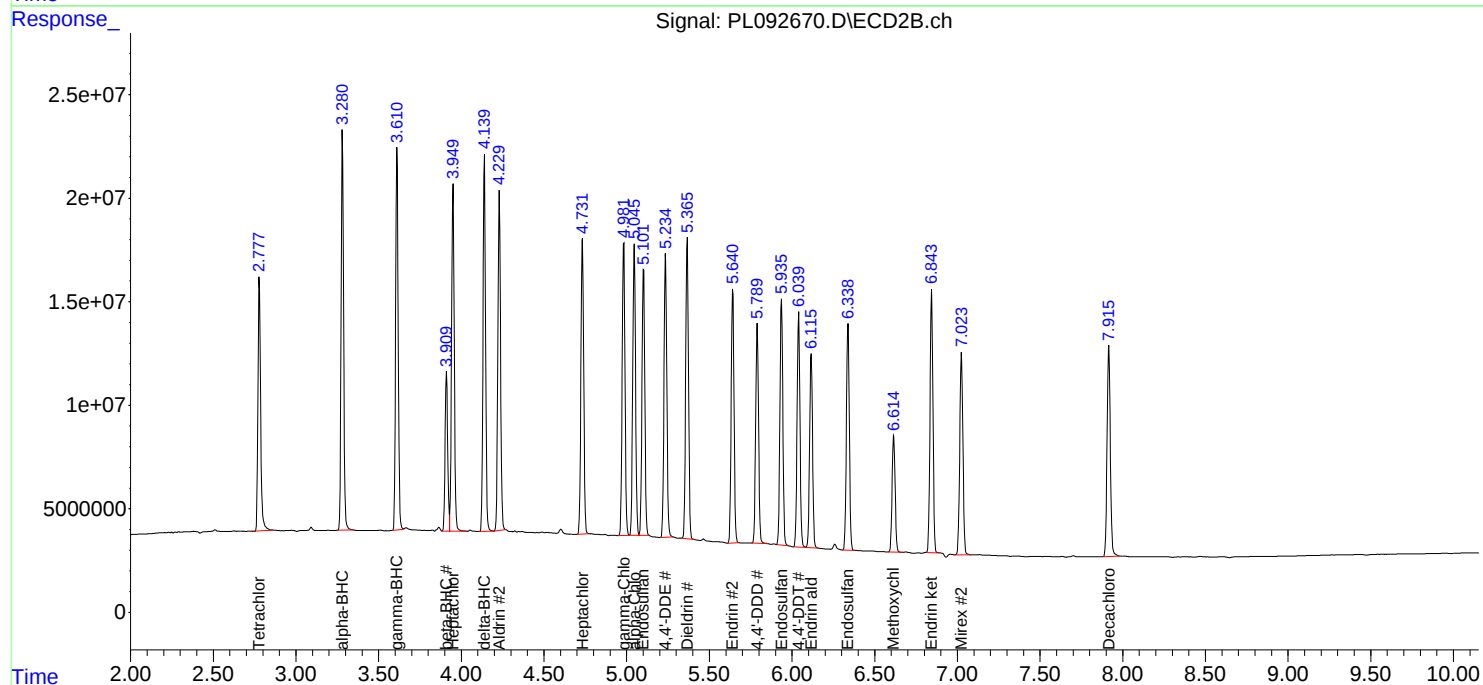
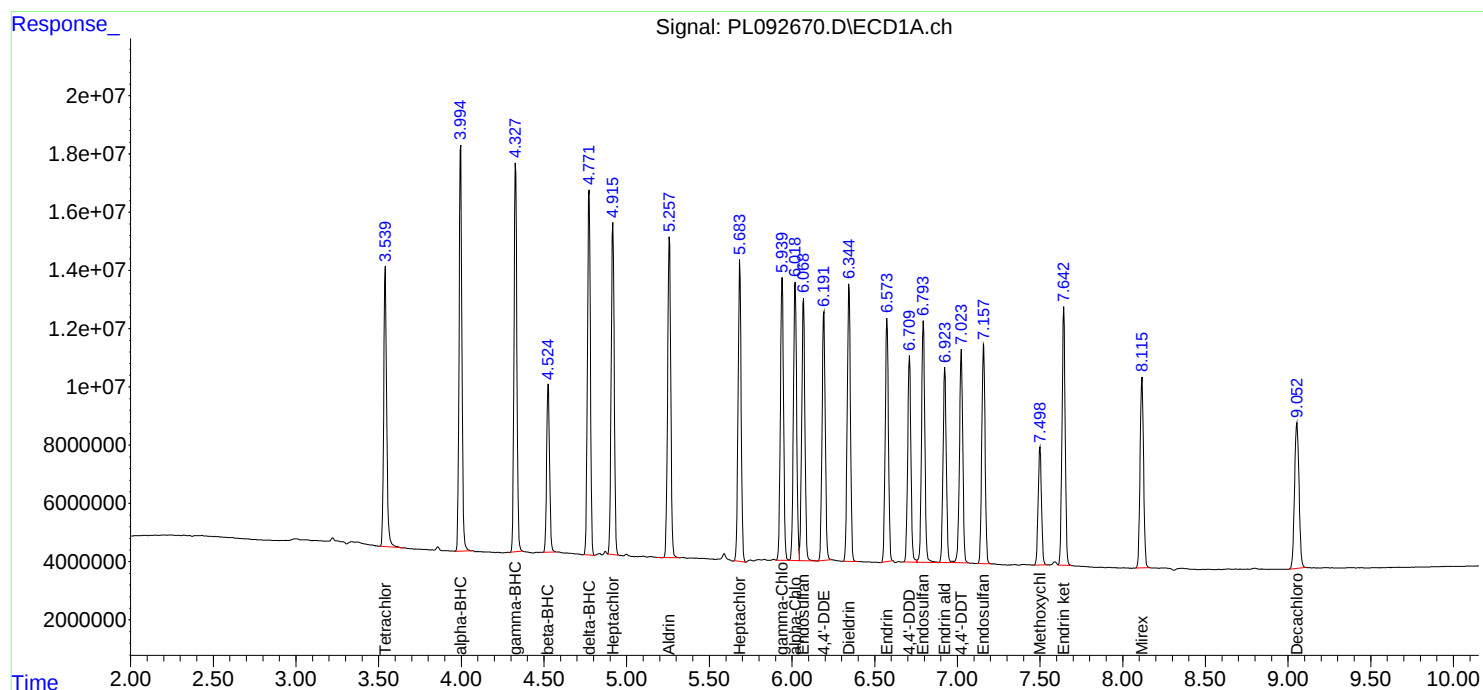
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092670.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 18:03  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL102824

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 18:20:57 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:19:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092671.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 18:30  
 Operator : AR\AJ  
 Sample : PCHLORICV500  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL102824CHLOR

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 18:55:50 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:55:22 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.540 | 2.777 | 116.2E6  | 162.6E6  | 48.370  | 49.862  |
| 28) SA Decachlor...         | 9.053 | 7.915 | 91212958 | 135.8E6  | 48.151  | 49.359  |
| Target Compounds            |       |       |          |          |         |         |
| 23) Chlordane-1             | 4.701 | 3.775 | 53586597 | 53029458 | 487.196 | 499.551 |
| 24) Chlordane-2             | 5.231 | 4.352 | 54950332 | 60704270 | 479.439 | 490.132 |
| 25) Chlordane-3             | 5.941 | 4.982 | 186.4E6  | 180.0E6  | 477.568 | 496.319 |
| 26) Chlordane-4             | 6.022 | 5.045 | 229.4E6  | 173.9E6  | 479.933 | 497.043 |
| 27) Chlordane-5             | 6.872 | 5.940 | 46544927 | 61748302 | 491.706 | 486.943 |
| -----                       |       |       |          |          |         |         |

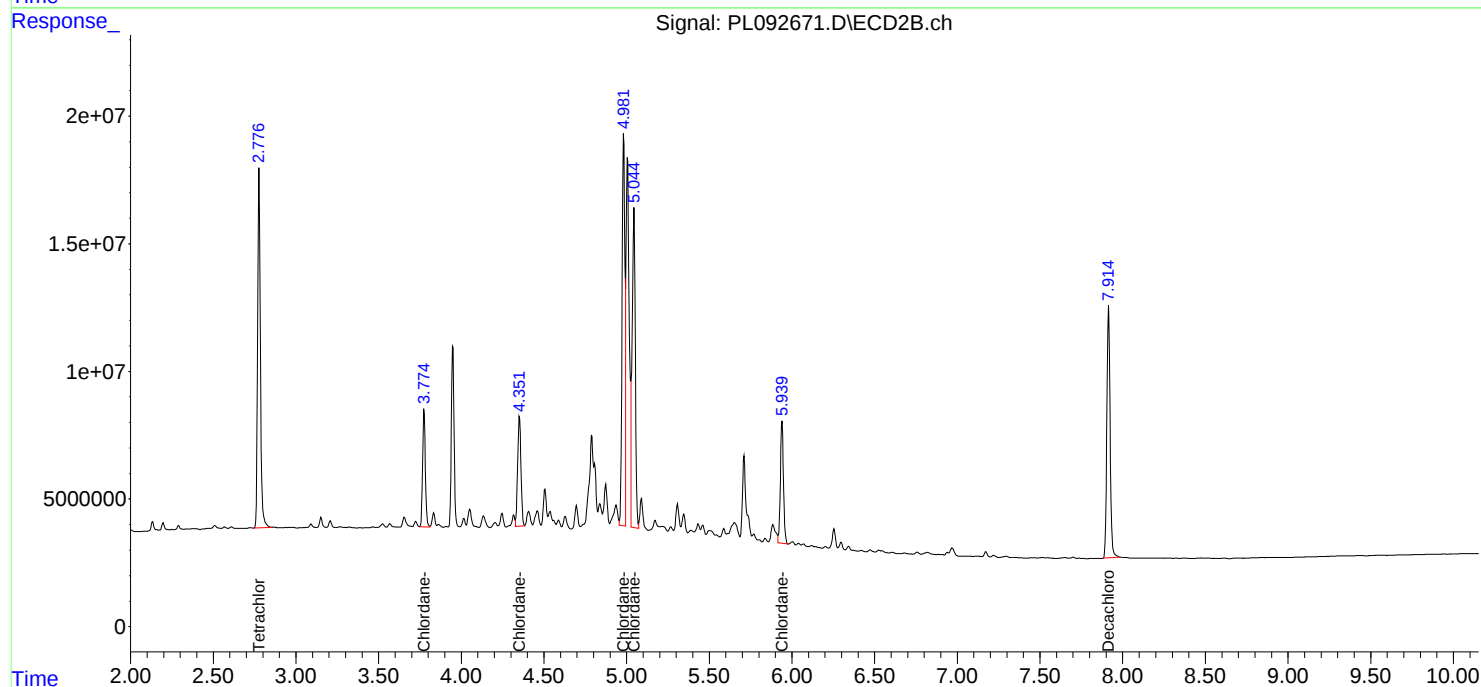
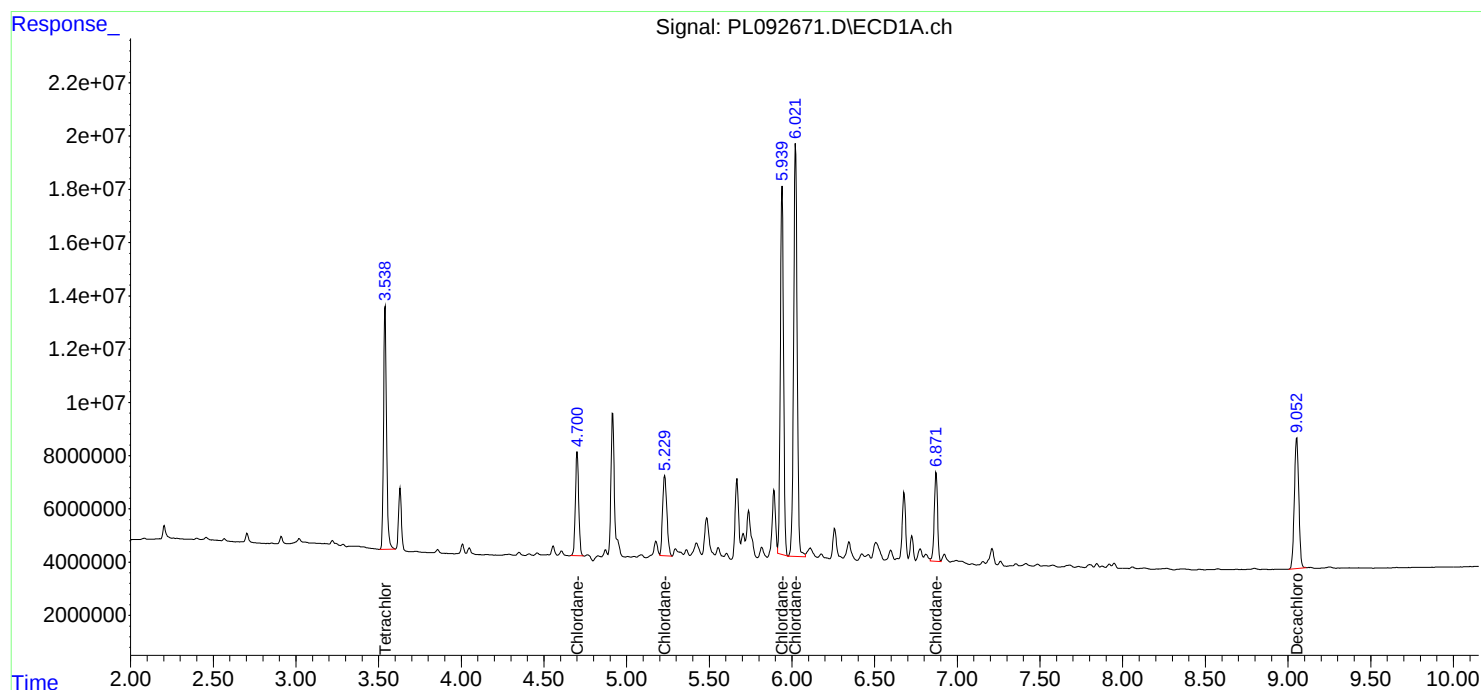
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092671.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 18:30  
Operator : AR\AJ  
Sample : PCHLORICV500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL102824CHLOR

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 18:55:50 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:55:22 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092672.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 18:57  
 Operator : AR\AJ  
 Sample : PTOXICV500  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL102824TOX

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 19:11:19 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:04:49 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1  
 Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.540 | 2.778 | 120.8E6  | 137.1E6  | 50.385  | 51.035  |
| 7) SA Decachlor...          | 9.053 | 7.916 | 95483844 | 139.1E6  | 50.356  | 50.519  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.237 | 5.006 | 12257412 | 10058947 | 555.039 | 528.973 |
| 3) Toxaphene-2              | 6.441 | 5.331 | 6863785  | 9788249  | 506.186 | 497.458 |
| 4) Toxaphene-3              | 7.058 | 6.604 | 39909041 | 34565997 | 513.663 | 508.031 |
| 5) Toxaphene-4              | 7.149 | 6.732 | 29767251 | 48553437 | 501.141 | 526.978 |
| 6) Toxaphene-5              | 7.933 | 7.046 | 22590334 | 32781409 | 503.299 | 499.967 |
| -----                       |       |       |          |          |         |         |

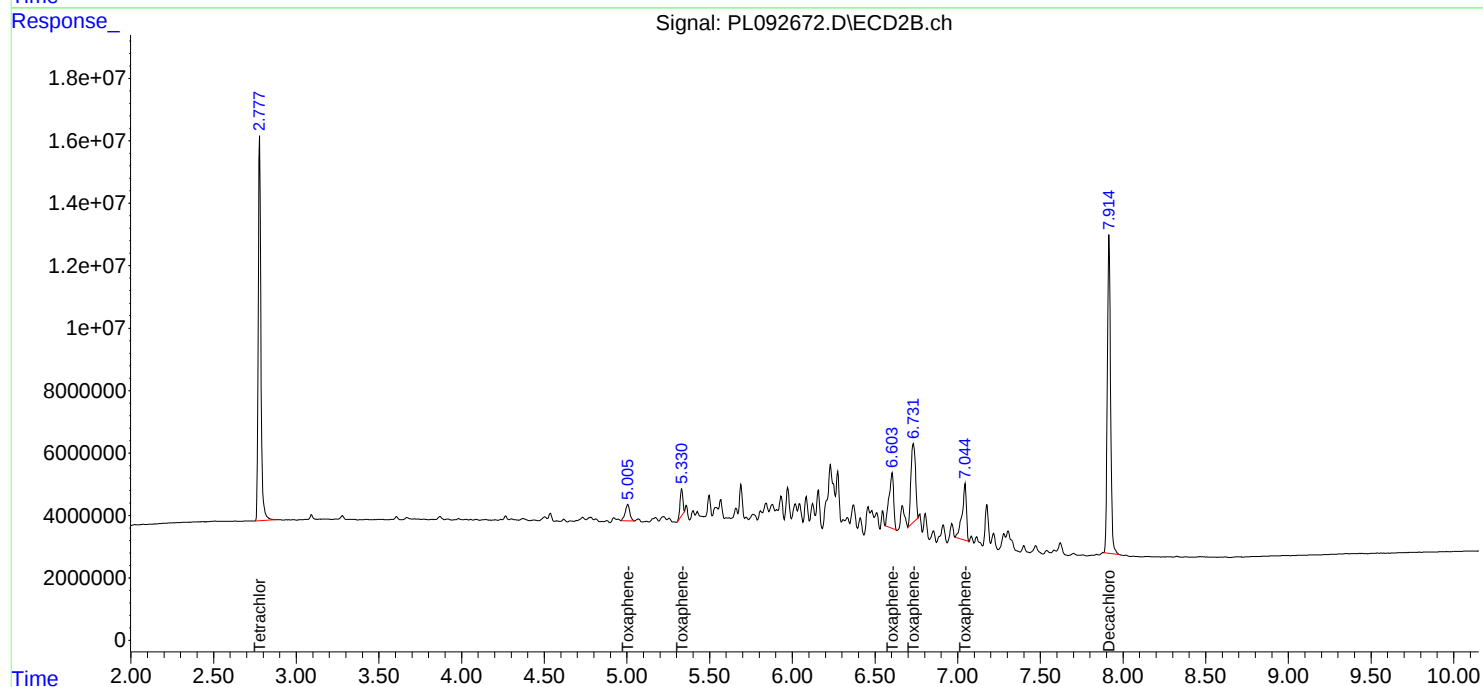
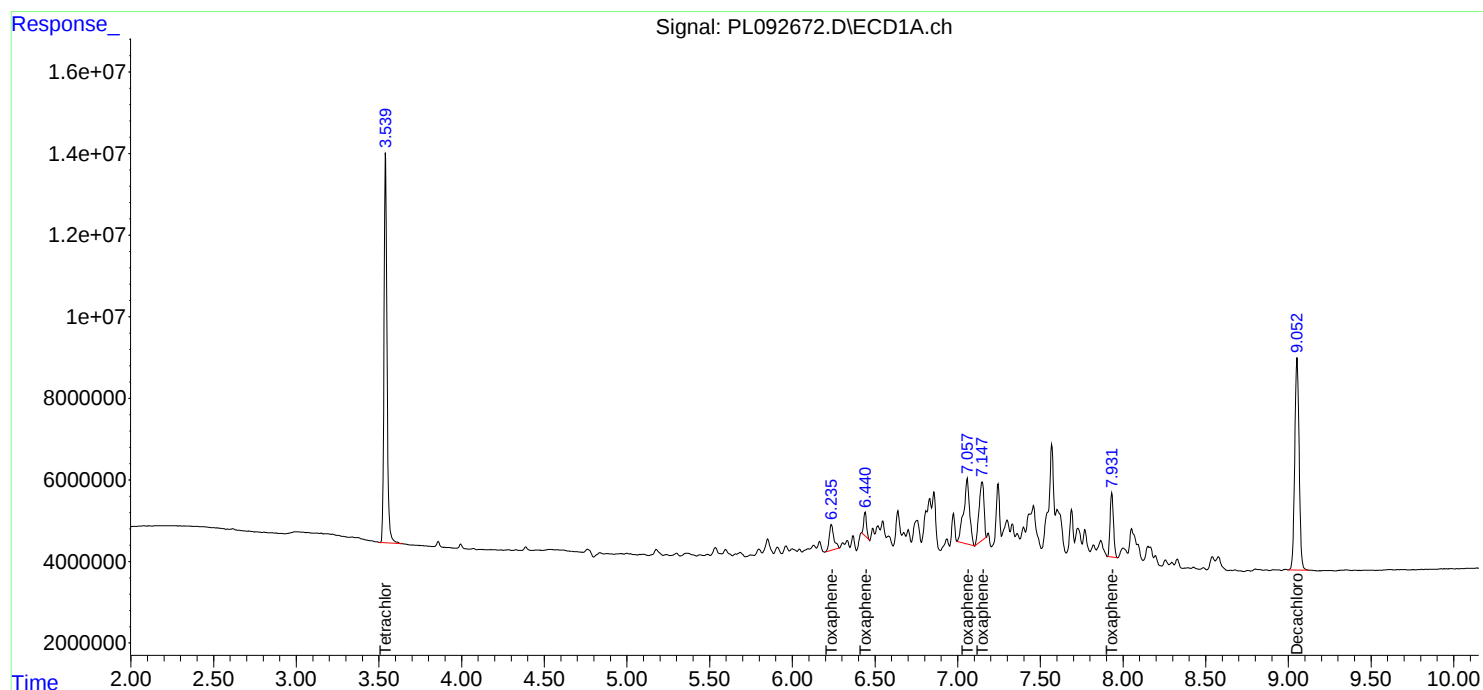
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092672.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 18:57  
Operator : AR\AJ  
Sample : PTOXICV500  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL102824TOX

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 19:11:19 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:04:49 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1  
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:58 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | -0.01      |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:58 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |



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**CALIBRATION VERIFICATION SUMMARY**
**Contract:** PORT06
**Lab Code:** CHEM      **Case No.:** P4718      **SAS No.:** P4718      **SDG NO.:** P4718
**GC Column:** ZB-MR2      **ID:** 0.32 (mm)      **Initi. Calib. Date(s):** 10/28/2024      10/28/2024
**Client Sample No.:** CCAL01      **Date Analyzed:** 11/11/2024
**Lab Sample No.:** PSTDCCC050      **Data File :** PL092943.D      **Time Analyzed:** 11:58

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.061 | 8.954     | 9.154 | 46.430             | 50.000            | -7.1  |
| Endrin               | 6.579 | 6.474     | 6.674 | 43.850             | 50.000            | -12.3 |
| gamma-BHC (Lindane)  | 4.331 | 4.228     | 4.428 | 49.900             | 50.000            | -0.2  |
| Heptachlor           | 4.920 | 4.817     | 5.017 | 47.730             | 50.000            | -4.5  |
| Heptachlor epoxide   | 5.688 | 5.584     | 5.784 | 48.400             | 50.000            | -3.2  |
| Methoxychlor         | 7.504 | 7.399     | 7.599 | 44.210             | 50.000            | -11.6 |
| Tetrachloro-m-xylene | 3.542 | 3.440     | 3.640 | 49.960             | 50.000            | -0.1  |



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**CALIBRATION VERIFICATION SUMMARY**
**Contract:** PORT06
**Lab Code:** CHEM      **Case No.:** P4718      **SAS No.:** P4718      **SDG NO.:** P4718
**GC Column:** ZB-MR1      **ID:** 0.32 (mm)      **Initi. Calib. Date(s):** 10/28/2024      10/28/2024
**Client Sample No.:** CCAL01      **Date Analyzed:** 11/11/2024
**Lab Sample No.:** PSTDCCC050      **Data File :** PL092943.D      **Time Analyzed:** 11:58

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 7.919 | 7.816     | 8.016 | 46.770             | 50.000            | -6.5 |
| Endrin               | 5.643 | 5.541     | 5.741 | 50.950             | 50.000            | 1.9  |
| gamma-BHC (Lindane)  | 3.611 | 3.511     | 3.711 | 52.560             | 50.000            | 5.1  |
| Heptachlor           | 3.951 | 3.849     | 4.049 | 50.950             | 50.000            | 1.9  |
| Heptachlor epoxide   | 4.733 | 4.632     | 4.832 | 52.470             | 50.000            | 4.9  |
| Methoxychlor         | 6.617 | 6.515     | 6.715 | 46.930             | 50.000            | -6.1 |
| Tetrachloro-m-xylene | 2.778 | 2.678     | 2.878 | 51.750             | 50.000            | 3.5  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
 Data File : PL092943.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 11:58  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:46:02 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.542 | 2.778 | 122.4E6  | 140.8E6  | 49.960 | 51.749 |
| 28)                         | SA Decachlor... | 9.061 | 7.919 | 89353166 | 127.6E6  | 46.428 | 46.766 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.998 | 3.281 | 171.0E6  | 211.0E6  | 50.423 | 52.876 |
| 3)                          | MA gamma-BHC... | 4.331 | 3.611 | 162.7E6  | 202.8E6  | 49.904 | 52.557 |
| 4)                          | MA Heptachlor   | 4.920 | 3.951 | 143.3E6  | 192.3E6  | 47.734 | 50.947 |
| 5)                          | MB Aldrin       | 5.262 | 4.230 | 145.8E6  | 193.8E6  | 48.570 | 52.949 |
| 6)                          | B beta-BHC      | 4.529 | 3.911 | 71247530 | 85161237 | 49.291 | 51.730 |
| 7)                          | B delta-BHC     | 4.776 | 4.140 | 155.3E6  | 203.2E6  | 49.631 | 52.861 |
| 8)                          | B Heptachlo...  | 5.688 | 4.733 | 133.7E6  | 175.3E6  | 48.402 | 52.473 |
| 9)                          | A Endosulfan I  | 6.074 | 5.103 | 119.3E6  | 158.5E6  | 47.680 | 51.898 |
| 10)                         | B gamma-Chl...  | 5.944 | 4.983 | 127.8E6  | 176.6E6  | 48.034 | 52.537 |
| 11)                         | B alpha-Chl...  | 6.024 | 5.047 | 126.9E6  | 174.3E6  | 47.919 | 52.397 |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.236 | 114.8E6  | 170.6E6  | 48.440 | 52.967 |
| 13)                         | MA Dieldrin     | 6.349 | 5.368 | 125.7E6  | 177.3E6  | 47.684 | 53.076 |
| 14)                         | MA Endrin       | 6.579 | 5.643 | 99835668 | 147.4E6  | 43.852 | 50.946 |
| 15)                         | B Endosulfa...  | 6.798 | 5.938 | 109.4E6  | 151.4E6  | 45.903 | 53.433 |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.791 | 96868751 | 140.8E6  | 50.465 | 56.564 |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.041 | 91261518 | 131.2E6  | 44.093 | 48.901 |
| 18)                         | B Endrin al...  | 6.929 | 6.118 | 89283331 | 120.0E6  | 47.542 | 51.994 |
| 19)                         | B Endosulfa...  | 7.163 | 6.341 | 100.6E6  | 140.3E6  | 46.344 | 52.024 |
| 20)                         | A Methoxychlor  | 7.504 | 6.617 | 50400892 | 67024075 | 44.211 | 46.935 |
| 21)                         | B Endrin ke...  | 7.649 | 6.847 | 114.6E6  | 162.0E6  | 47.299 | 52.776 |
| 22)                         | Mirex           | 8.122 | 7.027 | 88704518 | 130.7E6  | 44.762 | 50.100 |
| -----                       |                 |       |       |          |          |        |        |

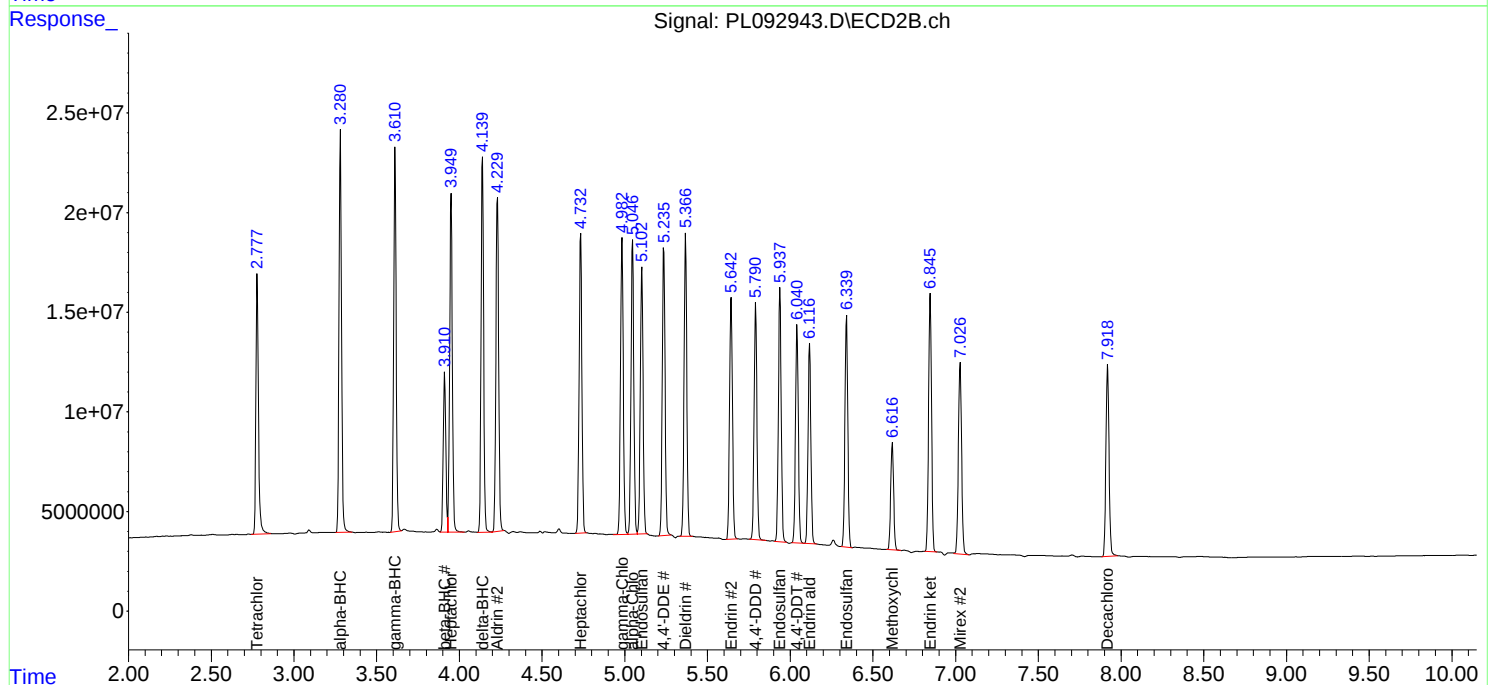
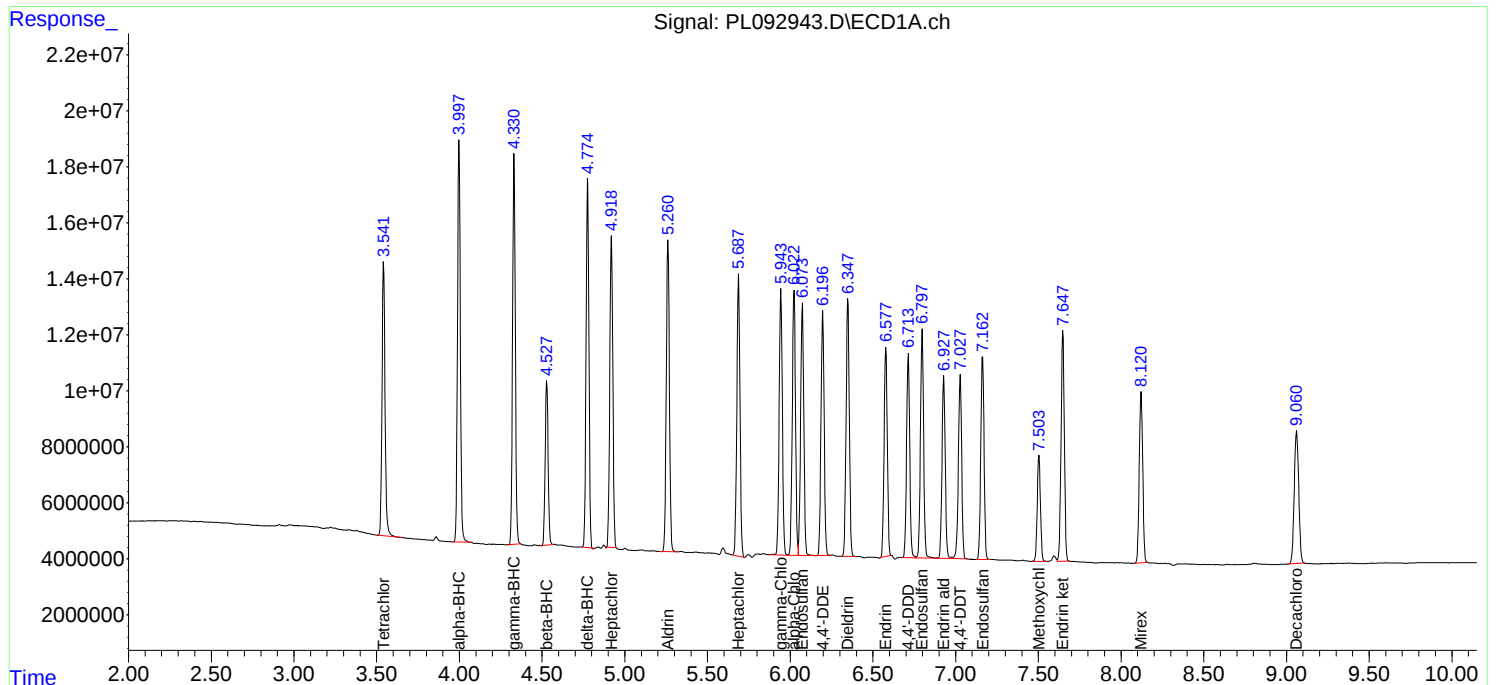
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092943.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 11:58  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:46:02 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | -0.01      |
| Methoxychlor         | 7.51       | 7.50      | 7.40      | 7.60 | -0.01      |



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### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |



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**CALIBRATION VERIFICATION SUMMARY**
**Contract:** PORT06
**Lab Code:** CHEM      **Case No.:** P4718      **SAS No.:** P4718      **SDG NO.:** P4718
**GC Column:** ZB-MR2      **ID:** 0.32 (mm)      **Initi. Calib. Date(s):** 10/28/2024      10/28/2024
**Client Sample No.:** CCAL02      **Date Analyzed:** 11/11/2024
**Lab Sample No.:** PSTDCCC050      **Data File :** PL092960.D      **Time Analyzed:** 16:49

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.064 | 8.954     | 9.154 | 45.750             | 50.000            | -8.5  |
| Endrin               | 6.580 | 6.474     | 6.674 | 43.680             | 50.000            | -12.6 |
| gamma-BHC (Lindane)  | 4.332 | 4.228     | 4.428 | 49.740             | 50.000            | -0.5  |
| Heptachlor           | 4.921 | 4.817     | 5.017 | 46.230             | 50.000            | -7.5  |
| Heptachlor epoxide   | 5.689 | 5.584     | 5.784 | 48.040             | 50.000            | -3.9  |
| Methoxychlor         | 7.506 | 7.399     | 7.599 | 41.600             | 50.000            | -16.8 |
| Tetrachloro-m-xylene | 3.543 | 3.440     | 3.640 | 50.620             | 50.000            | 1.2   |



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### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL02 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092960.D Time Analyzed: 16:49

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 7.920 | 7.816     | 8.016 | 47.520             | 50.000            | -5.0 |
| Endrin               | 5.643 | 5.541     | 5.741 | 51.290             | 50.000            | 2.6  |
| gamma-BHC (Lindane)  | 3.611 | 3.511     | 3.711 | 52.740             | 50.000            | 5.5  |
| Heptachlor           | 3.950 | 3.849     | 4.049 | 49.830             | 50.000            | -0.3 |
| Heptachlor epoxide   | 4.733 | 4.632     | 4.832 | 52.930             | 50.000            | 5.9  |
| Methoxychlor         | 6.617 | 6.515     | 6.715 | 45.570             | 50.000            | -8.9 |
| Tetrachloro-m-xylene | 2.779 | 2.678     | 2.878 | 51.800             | 50.000            | 3.6  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
 Data File : PL092960.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 16:49  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 10:53:30 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.779 | 124.0E6  | 141.0E6  | 50.619 | 51.798 |
| 28)                         | SA Decachlor... | 9.064 | 7.920 | 88051834 | 129.7E6  | 45.752 | 47.517 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.999 | 3.281 | 171.3E6  | 213.1E6  | 50.514 | 53.411 |
| 3)                          | MA gamma-BHC... | 4.332 | 3.611 | 162.1E6  | 203.6E6  | 49.737 | 52.744 |
| 4)                          | MA Heptachlor   | 4.921 | 3.950 | 138.8E6  | 188.1E6  | 46.232 | 49.835 |
| 5)                          | MB Aldrin       | 5.263 | 4.230 | 144.3E6  | 194.7E6  | 48.085 | 53.207 |
| 6)                          | B beta-BHC      | 4.530 | 3.911 | 71636880 | 86200893 | 49.560 | 52.362 |
| 7)                          | B delta-BHC     | 4.777 | 4.140 | 155.9E6  | 206.2E6  | 49.813 | 53.648 |
| 8)                          | B Heptachlo...  | 5.689 | 4.733 | 132.7E6  | 176.9E6  | 48.041 | 52.927 |
| 9)                          | A Endosulfan I  | 6.075 | 5.103 | 119.3E6  | 155.2E6  | 47.676 | 50.821 |
| 10)                         | B gamma-Chl...  | 5.946 | 4.983 | 128.0E6  | 178.1E6  | 48.109 | 52.992 |
| 11)                         | B alpha-Chl...  | 6.024 | 5.047 | 126.8E6  | 174.4E6  | 47.864 | 52.430 |
| 12)                         | B 4,4'-DDE      | 6.198 | 5.236 | 115.1E6  | 172.6E6  | 48.594 | 53.577 |
| 13)                         | MA Dieldrin     | 6.350 | 5.368 | 125.6E6  | 177.3E6  | 47.639 | 53.088 |
| 14)                         | MA Endrin       | 6.580 | 5.643 | 99450260 | 148.4E6  | 43.683 | 51.286 |
| 15)                         | B Endosulfa...  | 6.800 | 5.938 | 108.6E6  | 150.4E6  | 45.577 | 53.069 |
| 16)                         | A 4,4'-DDD      | 6.715 | 5.792 | 98564597 | 145.0E6  | 51.348 | 58.220 |
| 17)                         | MA 4,4'-DDT     | 7.030 | 6.042 | 87059541 | 125.1E6  | 42.063 | 46.650 |
| 18)                         | B Endrin al...  | 6.930 | 6.118 | 86323175 | 119.2E6  | 45.966 | 51.662 |
| 19)                         | B Endosulfa...  | 7.165 | 6.341 | 99290661 | 141.3E6  | 45.749 | 52.381 |
| 20)                         | A Methoxychlor  | 7.506 | 6.617 | 47423563 | 65070231 | 41.600 | 45.566 |
| 21)                         | B Endrin ke...  | 7.650 | 6.847 | 112.6E6  | 164.3E6  | 46.474 | 53.547 |
| 22)                         | Mirex           | 8.124 | 7.027 | 87817537 | 130.4E6  | 44.314 | 49.968 |
| -----                       |                 |       |       |          |          |        |        |

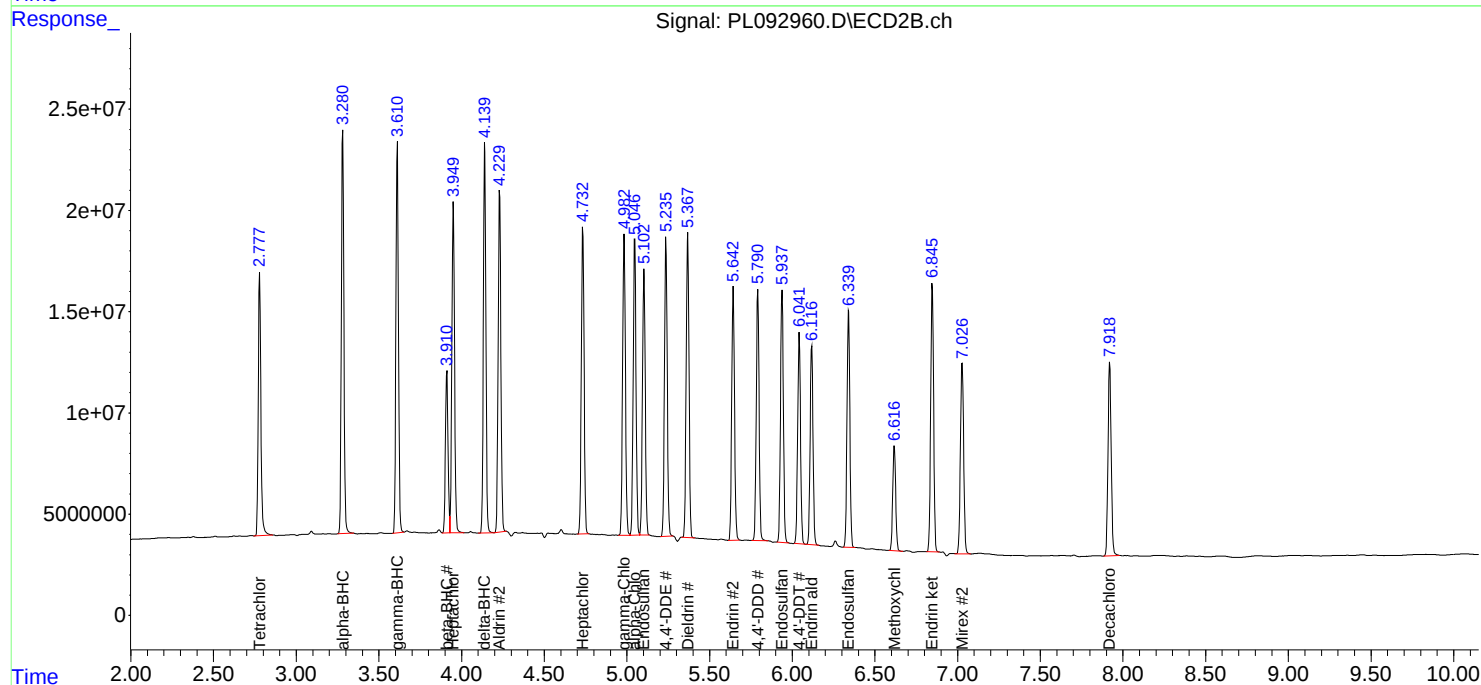
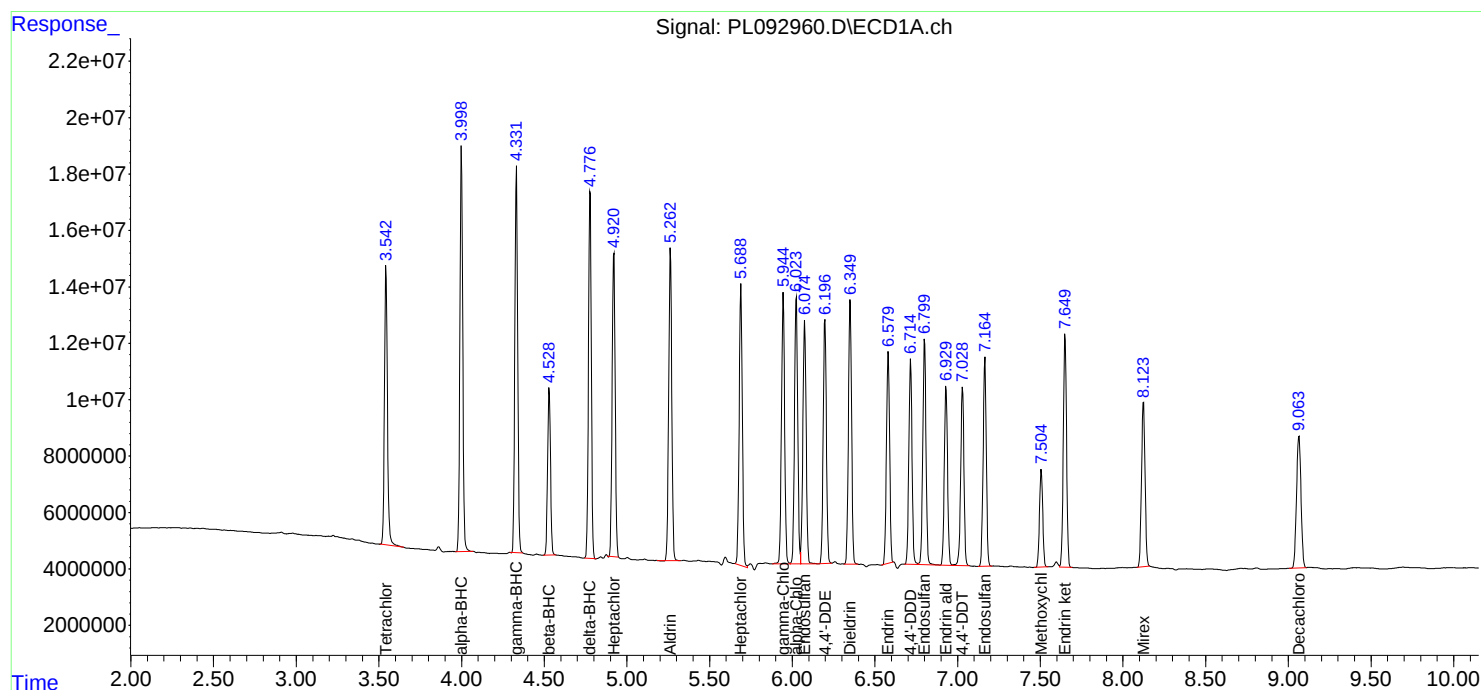
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092960.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 16:49  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 10:53:30 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 20:14 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | -0.01      |
| Methoxychlor         | 7.51       | 7.50      | 7.40      | 7.60 | -0.01      |



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### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 20:14 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |



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**CALIBRATION VERIFICATION SUMMARY**
**Contract:** PORT06
**Lab Code:** CHEM      **Case No.:** P4718      **SAS No.:** P4718      **SDG NO.:** P4718
**GC Column:** ZB-MR2      **ID:** 0.32 (mm)      **Initi. Calib. Date(s):** 10/28/2024      10/28/2024
**Client Sample No.:** CCAL03      **Date Analyzed:** 11/11/2024
**Lab Sample No.:** PSTDCCC050      **Data File :** PL092973.D      **Time Analyzed:** 20:14

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.063 | 8.954     | 9.154 | 43.000             | 50.000            | -14.0 |
| Endrin               | 6.579 | 6.474     | 6.674 | 43.010             | 50.000            | -14.0 |
| gamma-BHC (Lindane)  | 4.331 | 4.228     | 4.428 | 48.520             | 50.000            | -3.0  |
| Heptachlor           | 4.920 | 4.817     | 5.017 | 45.380             | 50.000            | -9.2  |
| Heptachlor epoxide   | 5.688 | 5.584     | 5.784 | 47.490             | 50.000            | -5.0  |
| Methoxychlor         | 7.505 | 7.399     | 7.599 | 42.350             | 50.000            | -15.3 |
| Tetrachloro-m-xylene | 3.542 | 3.440     | 3.640 | 49.410             | 50.000            | -1.2  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL03 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092973.D Time Analyzed: 20:14

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 7.920 | 7.816     | 8.016 | 44.340             | 50.000            | -11.3 |
| Endrin               | 5.644 | 5.541     | 5.741 | 48.560             | 50.000            | -2.9  |
| gamma-BHC (Lindane)  | 3.612 | 3.511     | 3.711 | 50.790             | 50.000            | 1.6   |
| Heptachlor           | 3.951 | 3.849     | 4.049 | 48.630             | 50.000            | -2.7  |
| Heptachlor epoxide   | 4.734 | 4.632     | 4.832 | 50.070             | 50.000            | 0.1   |
| Methoxychlor         | 6.618 | 6.515     | 6.715 | 43.670             | 50.000            | -12.7 |
| Tetrachloro-m-xylene | 2.779 | 2.678     | 2.878 | 50.370             | 50.000            | 0.7   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
 Data File : PL092973.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 20:14  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 00:26:52 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.779 | 121.1E6  | 137.1E6  | 49.407 | 50.366 |
| 2) SA Decachlor...          | 9.063 | 7.920 | 82747770 | 121.0E6  | 42.996 | 44.339 |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 3.999 | 3.282 | 166.7E6  | 205.7E6  | 49.140 | 51.560 |
| 3) MA gamma-BHC...          | 4.331 | 3.612 | 158.2E6  | 196.0E6  | 48.521 | 50.792 |
| 4) MA Heptachlor            | 4.920 | 3.951 | 136.3E6  | 183.5E6  | 45.383 | 48.630 |
| 5) MB Aldrin                | 5.262 | 4.231 | 141.7E6  | 187.4E6  | 47.213 | 51.189 |
| 6) B beta-BHC               | 4.529 | 3.912 | 69499557 | 84252727 | 48.081 | 51.179 |
| 7) B delta-BHC              | 4.776 | 4.141 | 153.2E6  | 202.5E6  | 48.961 | 52.689 |
| 8) B Heptachlo...           | 5.688 | 4.734 | 131.1E6  | 167.3E6  | 47.489 | 50.071 |
| 9) A Endosulfan I           | 6.074 | 5.103 | 116.1E6  | 145.1E6  | 46.403 | 47.531 |
| 10) B gamma-Chl...          | 5.945 | 4.984 | 124.9E6  | 170.1E6  | 46.957 | 50.589 |
| 11) B alpha-Chl...          | 6.023 | 5.047 | 124.2E6  | 166.7E6  | 46.883 | 50.128 |
| 12) B 4,4'-DDE              | 6.197 | 5.236 | 113.2E6  | 166.2E6  | 47.777 | 51.592 |
| 13) MA Dieldrin             | 6.349 | 5.368 | 122.9E6  | 169.2E6  | 46.616 | 50.663 |
| 14) MA Endrin               | 6.579 | 5.644 | 97913376 | 140.5E6  | 43.007 | 48.556 |
| 15) B Endosulfa...          | 6.798 | 5.939 | 107.1E6  | 140.2E6  | 44.936 | 49.474 |
| 16) A 4,4'-DDD              | 6.715 | 5.792 | 97477439 | 136.7E6  | 50.782 | 54.896 |
| 17) MA 4,4'-DDT             | 7.029 | 6.042 | 85720286 | 116.5E6  | 41.416 | 43.437 |
| 18) B Endrin al...          | 6.929 | 6.118 | 86649532 | 113.2E6  | 46.140 | 49.071 |
| 19) B Endosulfa...          | 7.164 | 6.341 | 99090162 | 133.9E6  | 45.656 | 49.634 |
| 20) A Methoxychlor          | 7.505 | 6.618 | 48277074 | 62367031 | 42.348 | 43.673 |
| 21) B Endrin ke...          | 7.649 | 6.847 | 111.4E6  | 151.8E6  | 45.995 | 49.469 |
| 22) Mirex                   | 8.122 | 7.028 | 85470383 | 117.9E6  | 43.130 | 45.202 |
| -----                       |       |       |          |          |        |        |

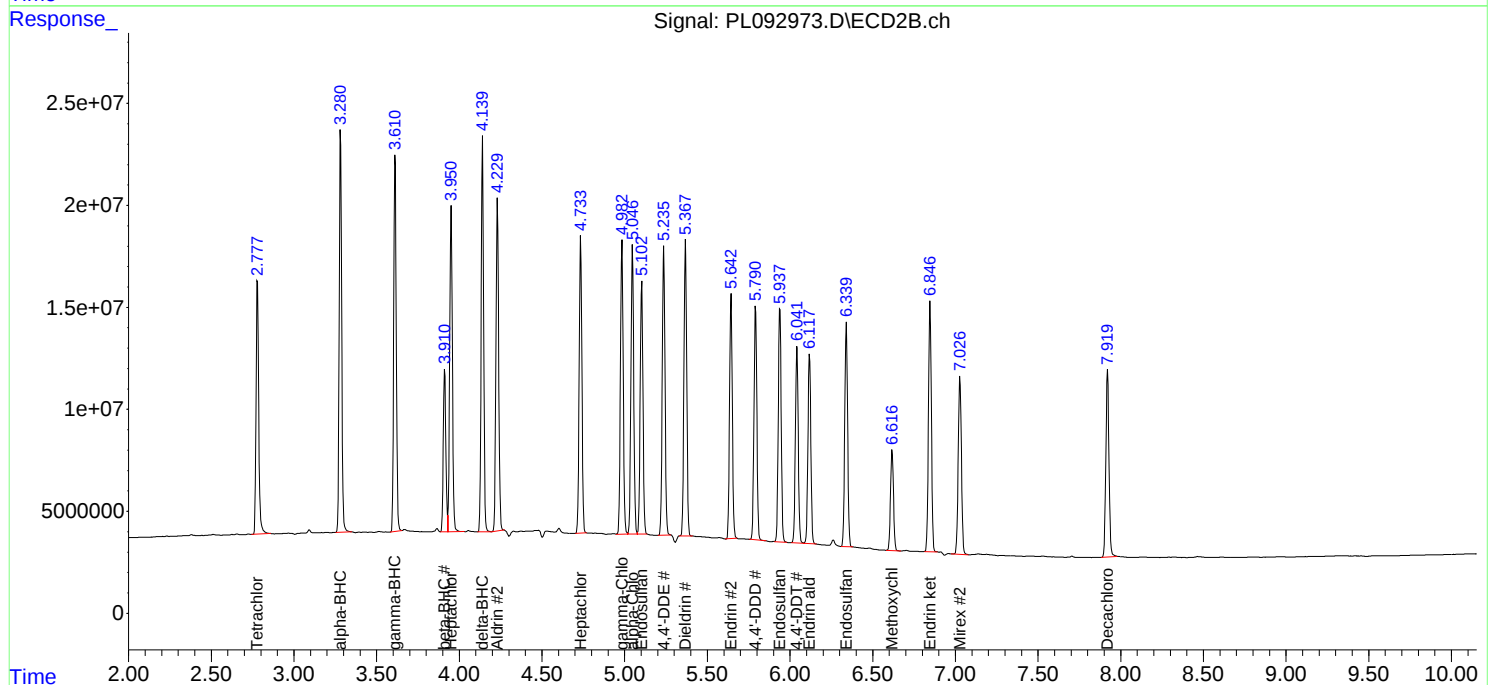
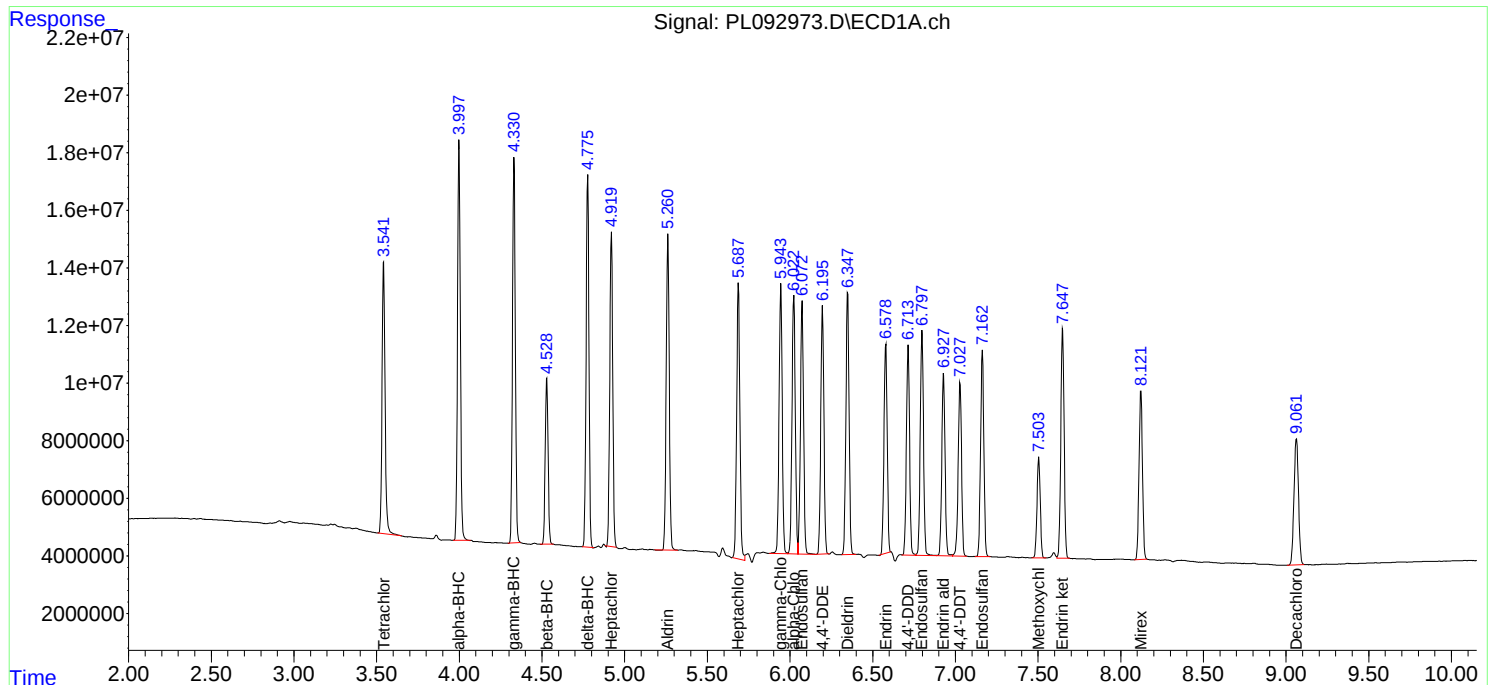
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092973.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 20:14  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:26:52 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.05      | 8.95      | 9.15 | -0.01      |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | -0.01      |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 Initial Calibration Time(s): 14:43 15:36

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL04 Date Analyzed: 11/12/2024

Lab Sample No.: PSTDCCC050 Data File : PL092993.D Time Analyzed: 01:06

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.062 | 8.954     | 9.154 | 45.740             | 50.000            | -8.5  |
| Endrin               | 6.579 | 6.474     | 6.674 | 42.020             | 50.000            | -16.0 |
| gamma-BHC (Lindane)  | 4.331 | 4.228     | 4.428 | 49.360             | 50.000            | -1.3  |
| Heptachlor           | 4.919 | 4.817     | 5.017 | 45.840             | 50.000            | -8.3  |
| Heptachlor epoxide   | 5.686 | 5.584     | 5.784 | 47.100             | 50.000            | -5.8  |
| Methoxychlor         | 7.504 | 7.399     | 7.599 | 40.210             | 50.000            | -19.6 |
| Tetrachloro-m-xylene | 3.542 | 3.440     | 3.640 | 50.220             | 50.000            | 0.4   |



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**CALIBRATION VERIFICATION SUMMARY**
**Contract:** PORT06
**Lab Code:** CHEM      **Case No.:** P4718      **SAS No.:** P4718      **SDG NO.:** P4718
**GC Column:** ZB-MR1      **ID:** 0.32 (mm)      **Initi. Calib. Date(s):** 10/28/2024      10/28/2024
**Client Sample No.:** CCAL04      **Date Analyzed:** 11/12/2024
**Lab Sample No.:** PSTDCCC050      **Data File :** PL092993.D      **Time Analyzed:** 01:06

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 7.920 | 7.816     | 8.016 | 46.990             | 50.000            | -6.0  |
| Endrin               | 5.643 | 5.541     | 5.741 | 48.620             | 50.000            | -2.8  |
| gamma-BHC (Lindane)  | 3.611 | 3.511     | 3.711 | 52.480             | 50.000            | 5.0   |
| Heptachlor           | 3.950 | 3.849     | 4.049 | 49.220             | 50.000            | -1.6  |
| Heptachlor epoxide   | 4.733 | 4.632     | 4.832 | 51.790             | 50.000            | 3.6   |
| Methoxychlor         | 6.617 | 6.515     | 6.715 | 42.960             | 50.000            | -14.1 |
| Tetrachloro-m-xylene | 2.778 | 2.678     | 2.878 | 51.720             | 50.000            | 3.4   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
 Data File : PL092993.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 Nov 2024 01:06  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 01:09:45 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.542 | 2.778 | 123.1E6  | 140.7E6  | 50.223  | 51.722 |
| 28)                         | SA Decachlor... | 9.062 | 7.920 | 88021258 | 128.3E6  | 45.736  | 46.995 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.998 | 3.281 | 169.6E6  | 211.1E6  | 50.009  | 52.909 |
| 3)                          | MA gamma-BHC... | 4.331 | 3.611 | 160.9E6  | 202.5E6  | 49.356  | 52.477 |
| 4)                          | MA Heptachlor   | 4.919 | 3.950 | 137.7E6  | 185.8E6  | 45.836  | 49.223 |
| 5)                          | MB Aldrin       | 5.261 | 4.230 | 143.7E6  | 192.9E6  | 47.874  | 52.711 |
| 6)                          | B beta-BHC      | 4.529 | 3.911 | 70678897 | 85951393 | 48.897  | 52.210 |
| 7)                          | B delta-BHC     | 4.776 | 4.140 | 155.9E6  | 205.8E6  | 49.804  | 53.556 |
| 8)                          | B Heptachlo...  | 5.686 | 4.733 | 130.1E6  | 173.1E6  | 47.102m | 51.791 |
| 9)                          | A Endosulfan I  | 6.074 | 5.102 | 117.0E6  | 145.6E6  | 46.788  | 47.694 |
| 10)                         | B gamma-Chl...  | 5.944 | 4.983 | 126.5E6  | 175.2E6  | 47.547  | 52.130 |
| 11)                         | B alpha-Chl...  | 6.023 | 5.047 | 124.6E6  | 172.1E6  | 47.064  | 51.738 |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.236 | 114.3E6  | 172.3E6  | 48.260  | 53.479 |
| 13)                         | MA Dieldrin     | 6.349 | 5.367 | 123.4E6  | 175.3E6  | 46.824  | 52.495 |
| 14)                         | MA Endrin       | 6.579 | 5.643 | 95665938 | 140.7E6  | 42.020  | 48.623 |
| 15)                         | B Endosulfa...  | 6.798 | 5.938 | 107.1E6  | 146.4E6  | 44.936  | 51.656 |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.791 | 99850229 | 146.3E6  | 52.018  | 58.747 |
| 17)                         | MA 4,4'-DDT     | 7.026 | 6.041 | 83093040 | 114.1E6  | 40.146m | 42.537 |
| 18)                         | B Endrin al...  | 6.928 | 6.117 | 87754026 | 118.9E6  | 46.728  | 51.545 |
| 19)                         | B Endosulfa...  | 7.163 | 6.340 | 99207156 | 139.1E6  | 45.710  | 51.577 |
| 20)                         | A Methoxychlor  | 7.504 | 6.617 | 45835568 | 61350259 | 40.207  | 42.961 |
| 21)                         | B Endrin ke...  | 7.648 | 6.846 | 113.5E6  | 161.5E6  | 46.831  | 52.611 |
| 22)                         | Mirex           | 8.121 | 7.027 | 86751231 | 123.2E6  | 43.776  | 47.227 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092993.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 Nov 2024 01:06  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

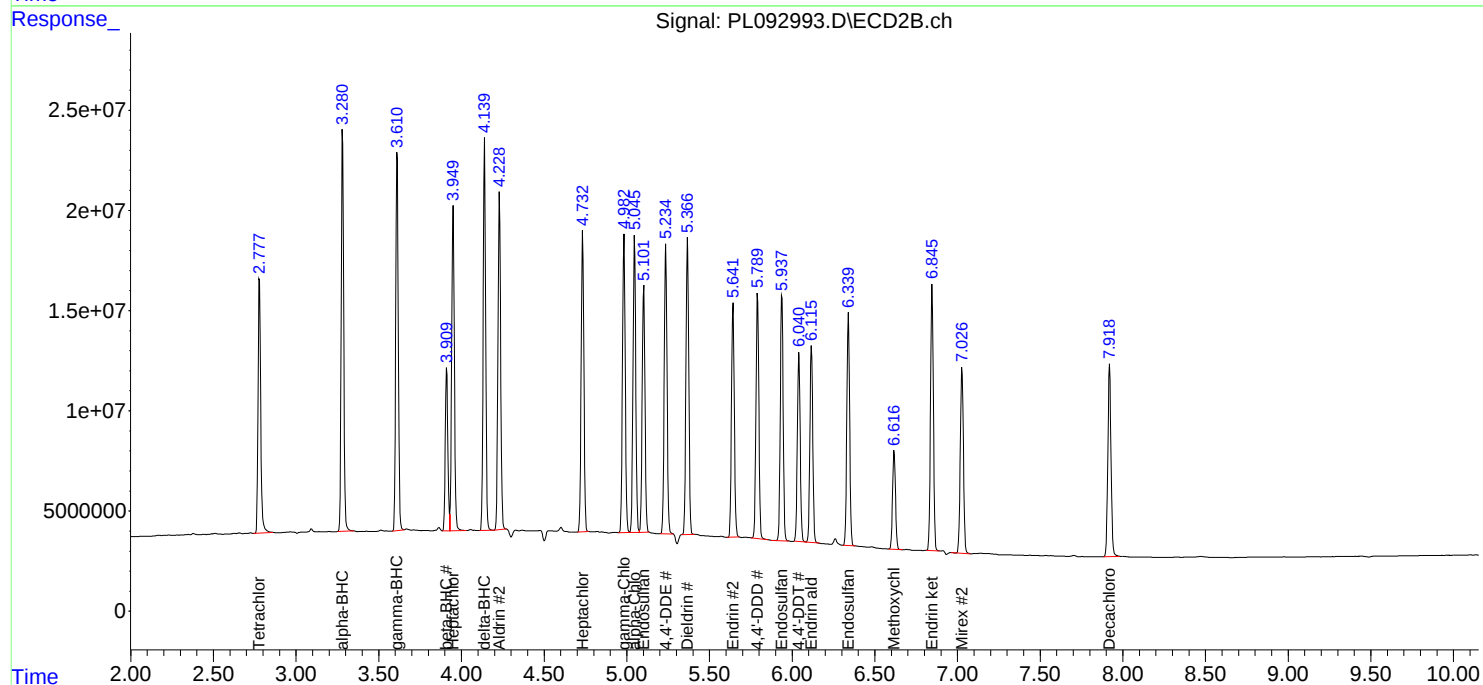
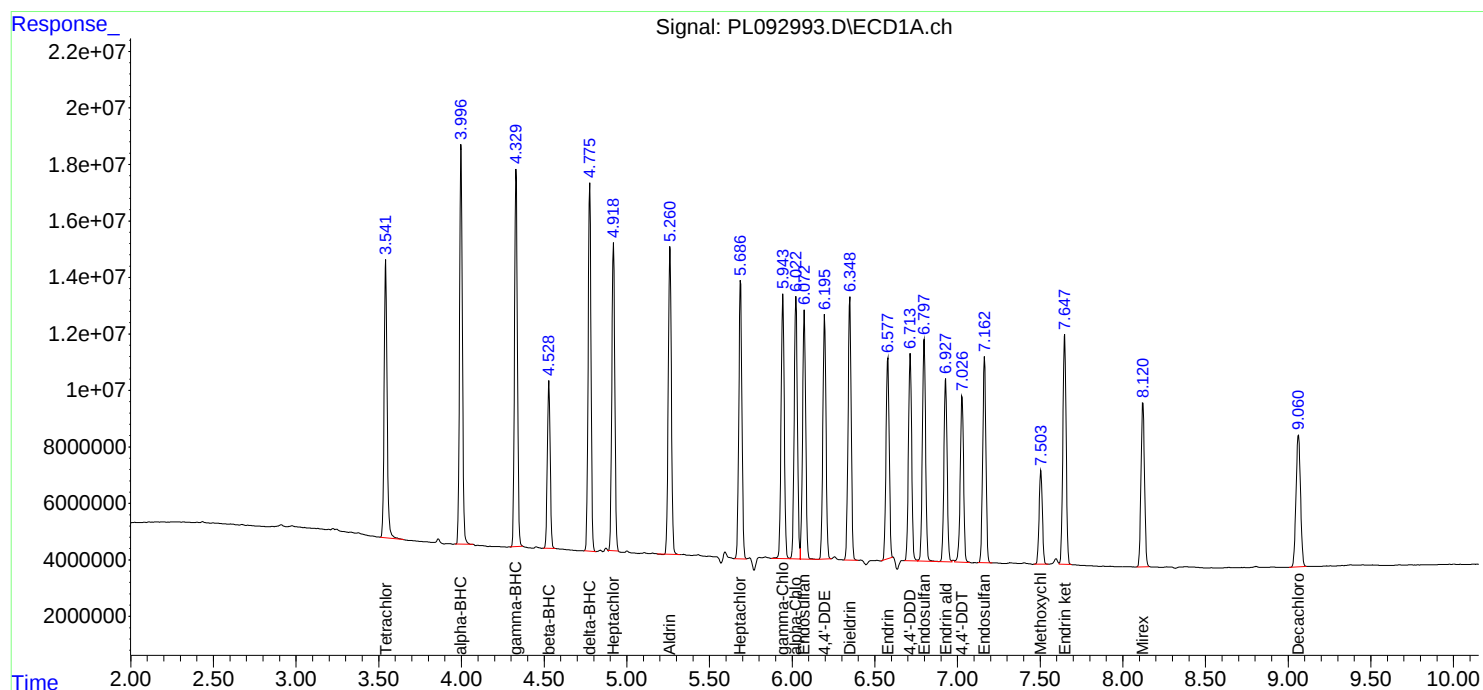
## APPROVED

Reviewed By :Abdul Mirza 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 01:09:45 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **P4718** SAS No.: **P4718** SDG NO.: **P4718**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL092653.D** Date Analyzed: **10/28/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **14:16**

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.059 | 8.960     | 9.160 | 19.970     | 20.000     | -0.2  |
| Tetrachloro-m-xylene | 3.546 | 3.500     | 3.600 | 19.290     | 20.000     | -3.6  |
| alpha-BHC            | 4.001 | 3.950     | 4.050 | 9.920      | 10.000     | -0.8  |
| beta-BHC             | 4.531 | 4.480     | 4.580 | 10.060     | 10.000     | 0.6   |
| gamma-BHC (Lindane)  | 4.334 | 4.280     | 4.380 | 9.660      | 10.000     | -3.4  |
| Endrin               | 6.580 | 6.510     | 6.650 | 41.060     | 50.000     | -17.9 |
| 4,4'-DDT             | 7.030 | 6.960     | 7.100 | 88.060     | 100.000    | -11.9 |
| Methoxychlor         | 7.505 | 7.430     | 7.580 | 204.090    | 250.000    | -18.4 |

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL092653.D** Date Analyzed: **10/28/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **14:16**

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 7.918 | 7.820     | 8.020 | 19.080     | 20.000     | -4.6  |
| Tetrachloro-m-xylene | 2.778 | 2.730     | 2.830 | 18.500     | 20.000     | -7.5  |
| alpha-BHC            | 3.281 | 3.230     | 3.330 | 8.630      | 10.000     | -13.7 |
| beta-BHC             | 3.911 | 3.860     | 3.960 | 9.760      | 10.000     | -2.4  |
| gamma-BHC (Lindane)  | 3.611 | 3.560     | 3.660 | 8.390      | 10.000     | -16.1 |
| Endrin               | 5.643 | 5.570     | 5.710 | 44.130     | 50.000     | -11.7 |
| 4,4'-DDT             | 6.042 | 5.970     | 6.110 | 98.070     | 100.000    | -1.9  |
| Methoxychlor         | 6.616 | 6.550     | 6.690 | 225.800    | 250.000    | -9.7  |

PEM  
Data File: PL092653.D Date Acquired 10/28/2024 14:16  
Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.58 | 93472858.4  | 100627495.1           | 7154636.74          | 7.11         |
| Endrin aldehyde | 6.93 | 2255618.869 |                       |                     |              |
| Endrin ketone   | 7.65 | 4899017.868 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.64 | 127670048.1 | 136276212.4           | 8606164.28          | 6.32         |
| Endrin aldehyde #2 | 6.12 | 3697589.438 |                       |                     |              |
| Endrin ketone #2   | 6.84 | 4908574.846 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.03 | 182263263.3 | 183689930.4               | 1426667.08            | 0.78         |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.72 | 1426667.076 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.04 | 263061944.1 | 264286032.2               | 1224088.02            | 0.46         |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.79 | 1224088.016 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092653.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 14:16  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 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 28 17:21:12 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:19:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.546 | 2.778 | 47253047 | 50346316 | 19.285  | 18.502  |
| 28)                         | SA Decachlor... | 9.059 | 7.918 | 38436874 | 52072459 | 19.972  | 19.079  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.001 | 3.281 | 33636067 | 34444224 | 9.918   | 8.632   |
| 3)                          | MA gamma-BHC... | 4.334 | 3.611 | 31492360 | 32364466 | 9.662   | 8.386   |
| 6)                          | B beta-BHC      | 4.531 | 3.911 | 14540729 | 16063325 | 10.060  | 9.758   |
| 14)                         | MA Endrin       | 6.580 | 5.643 | 93472858 | 127.7E6  | 41.057  | 44.131  |
| 16)                         | A 4,4'-DDD      | 6.718 | 5.791 | 1426667  | 1224088  | 0.743m  | 0.492m# |
| 17)                         | MA 4,4'-DDT     | 7.030 | 6.042 | 182.3E6  | 263.1E6  | 88.060  | 98.075  |
| 18)                         | B Endrin al...  | 6.930 | 6.117 | 2255619  | 3697589  | 1.201   | 1.603 # |
| 20)                         | A Methoxychlor  | 7.505 | 6.616 | 232.7E6  | 322.5E6  | 204.088 | 225.801 |
| 21)                         | B Endrin ke...  | 7.648 | 6.845 | 4899018  | 4908575  | 2.022   | 1.600   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092653.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 14:16  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

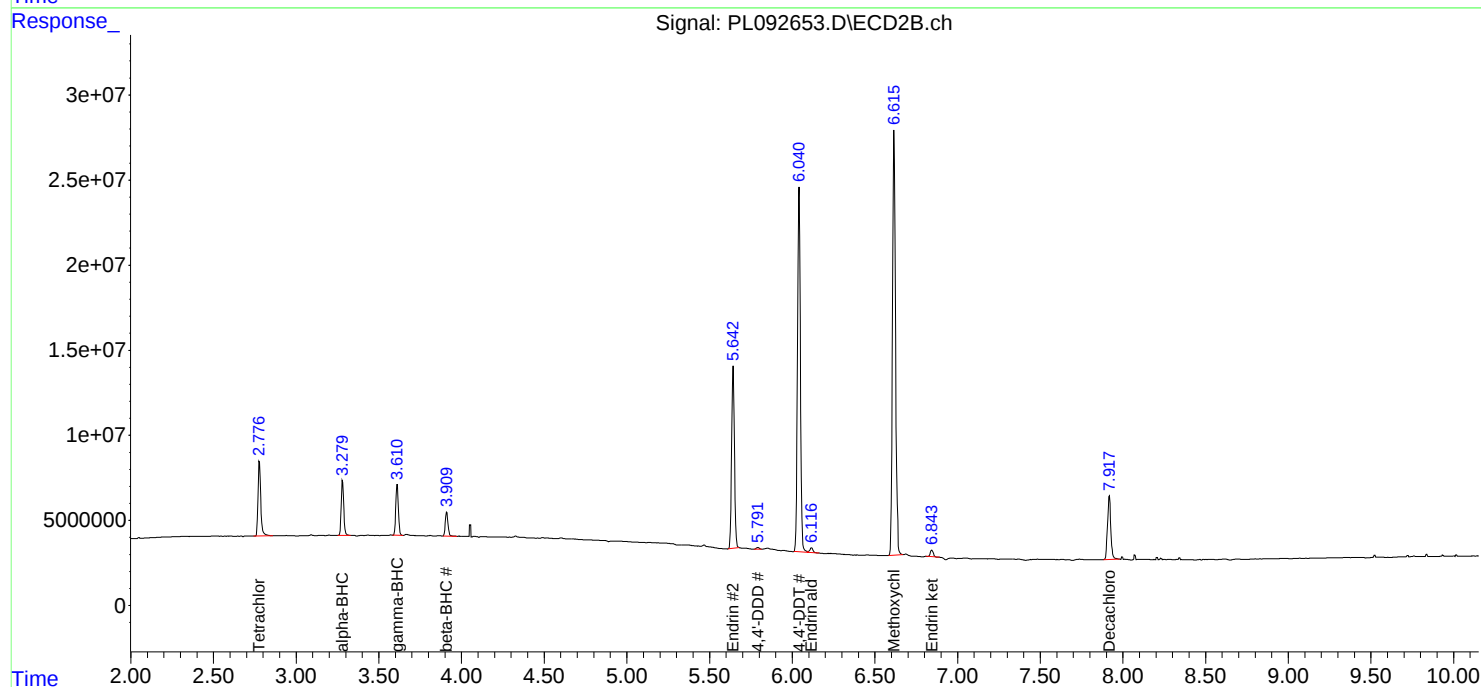
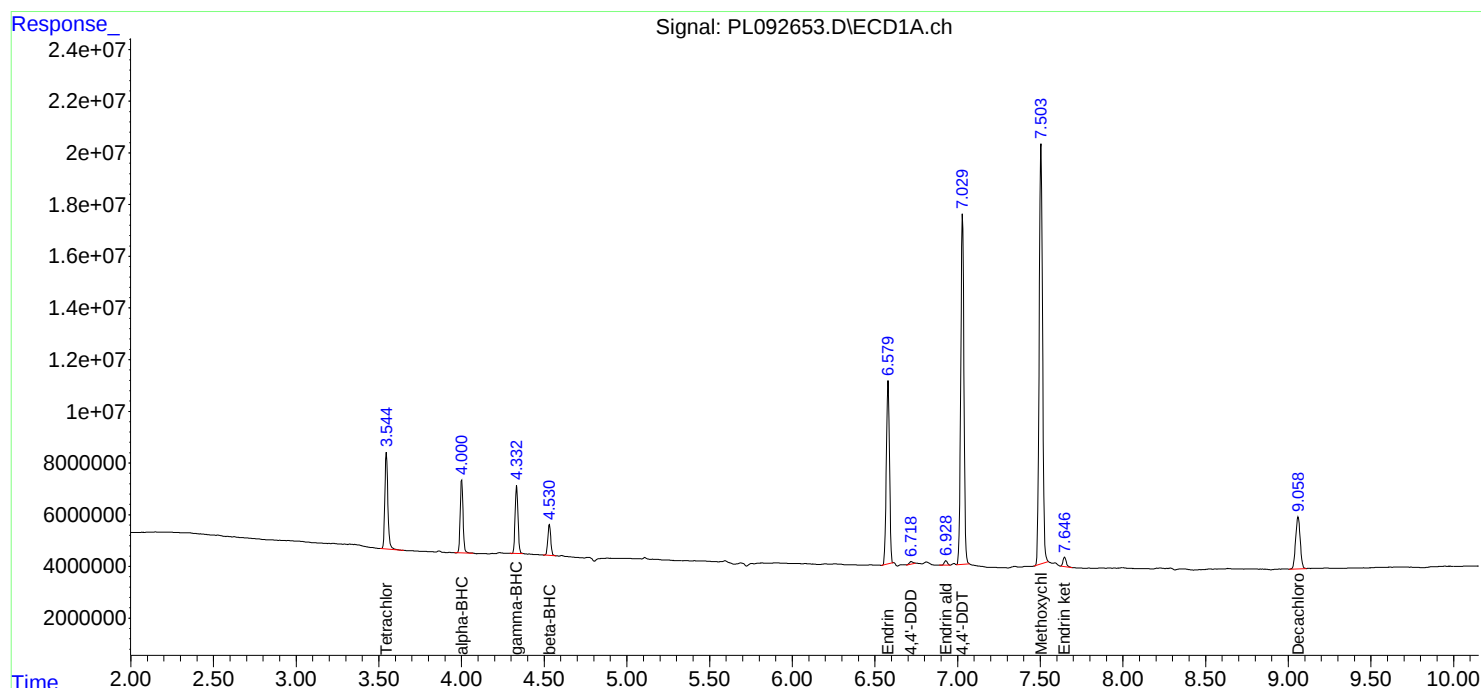
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 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 28 17:21:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:19:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **P4718** SAS No.: **P4718** SDG NO.: **P4718**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL092942.D** Date Analyzed: **11/11/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:49**

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.061 | 8.960     | 9.160 | 20.400     | 20.000     | 2.0   |
| Tetrachloro-m-xylene | 3.542 | 3.490     | 3.590 | 22.810     | 20.000     | 14.1  |
| alpha-BHC            | 3.998 | 3.950     | 4.050 | 11.770     | 10.000     | 17.7  |
| beta-BHC             | 4.529 | 4.480     | 4.580 | 12.130     | 10.000     | 21.3  |
| gamma-BHC (Lindane)  | 4.331 | 4.280     | 4.380 | 11.570     | 10.000     | 15.7  |
| Endrin               | 6.578 | 6.510     | 6.650 | 42.290     | 50.000     | -15.4 |
| 4,4'-DDT             | 7.028 | 6.960     | 7.100 | 86.420     | 100.000    | -13.6 |
| Methoxychlor         | 7.504 | 7.430     | 7.570 | 198.890    | 250.000    | -20.4 |

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL092942.D** Date Analyzed: **11/11/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:49**

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 7.918 | 7.820     | 8.020 | 19.450     | 20.000     | -2.8 |
| Tetrachloro-m-xylene | 2.778 | 2.730     | 2.830 | 22.330     | 20.000     | 11.7 |
| alpha-BHC            | 3.280 | 3.230     | 3.330 | 10.690     | 10.000     | 6.9  |
| beta-BHC             | 3.911 | 3.860     | 3.960 | 11.740     | 10.000     | 17.4 |
| gamma-BHC (Lindane)  | 3.611 | 3.560     | 3.660 | 10.280     | 10.000     | 2.8  |
| Endrin               | 5.643 | 5.570     | 5.710 | 50.510     | 50.000     | 1.0  |
| 4,4'-DDT             | 6.041 | 5.970     | 6.110 | 105.500    | 100.000    | 5.5  |
| Methoxychlor         | 6.616 | 6.550     | 6.690 | 225.180    | 250.000    | -9.9 |

PEM  
 Data File: PL092942.D Date Acquired 11/11/2024 9:49  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.58 | 96281762.2  | 108954642.7           | 12672880.5          | 11.63        |
| Endrin aldehyde | 6.93 | 3802056.774 |                       |                     |              |
| Endrin ketone   | 7.65 | 8870823.735 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.64 | 146111707.9 | 163263678             | 17151970.2          | 10.51        |
| Endrin aldehyde #2 | 6.12 | 4630327.901 |                       |                     |              |
| Endrin ketone #2   | 6.84 | 12521642.29 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.03 | 178860819.4 | 189469176.5               | 10608357.1            | 5.60         |
| 4,4'-DDE | 6.19 | 604610.345  |                           |                       |              |
| 4,4'-DDD | 6.71 | 10003746.73 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.04 | 282978517.3 | 295209956.9               | 12231439.5            | 4.14         |
| 4,4'-DDE #2 | 5.23 | 556896.234  |                           |                       |              |
| 4,4'-DDD #2 | 5.79 | 11674543.31 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
 Data File : PL092942.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 09:49  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/12/2024  
 Supervised By : Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:44:39 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.778 | 55891869 | 60760662 | 22.811  | 22.329  |
| 28) SA Decachlor...         | 9.061 | 7.918 | 39263888 | 53083659 | 20.402  | 19.450  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.998 | 3.280 | 39926493 | 42665186 | 11.772  | 10.693  |
| 3) MA gamma-BHC...          | 4.331 | 3.611 | 37717199 | 39666101 | 11.571  | 10.278  |
| 6) B beta-BHC               | 4.529 | 3.911 | 17529188 | 19320729 | 12.127  | 11.736  |
| 12) B 4,4'-DDE              | 6.195 | 5.235 | 604610   | 556896   | 0.255m  | 0.173m# |
| 14) MA Endrin               | 6.578 | 5.643 | 96281762 | 146.1E6  | 42.291  | 50.505  |
| 16) A 4,4'-DDD              | 6.713 | 5.791 | 10003747 | 11674543 | 5.212   | 4.688   |
| 17) MA 4,4'-DDT             | 7.028 | 6.041 | 178.9E6  | 283.0E6  | 86.417  | 105.500 |
| 18) B Endrin al...          | 6.928 | 6.116 | 3802057  | 4630328  | 2.025   | 2.007   |
| 20) A Methoxychlor          | 7.504 | 6.616 | 226.7E6  | 321.6E6  | 198.895 | 225.177 |
| 21) B Endrin ke...          | 7.648 | 6.845 | 8870824  | 12521642 | 3.661   | 4.080   |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092942.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 09:49  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

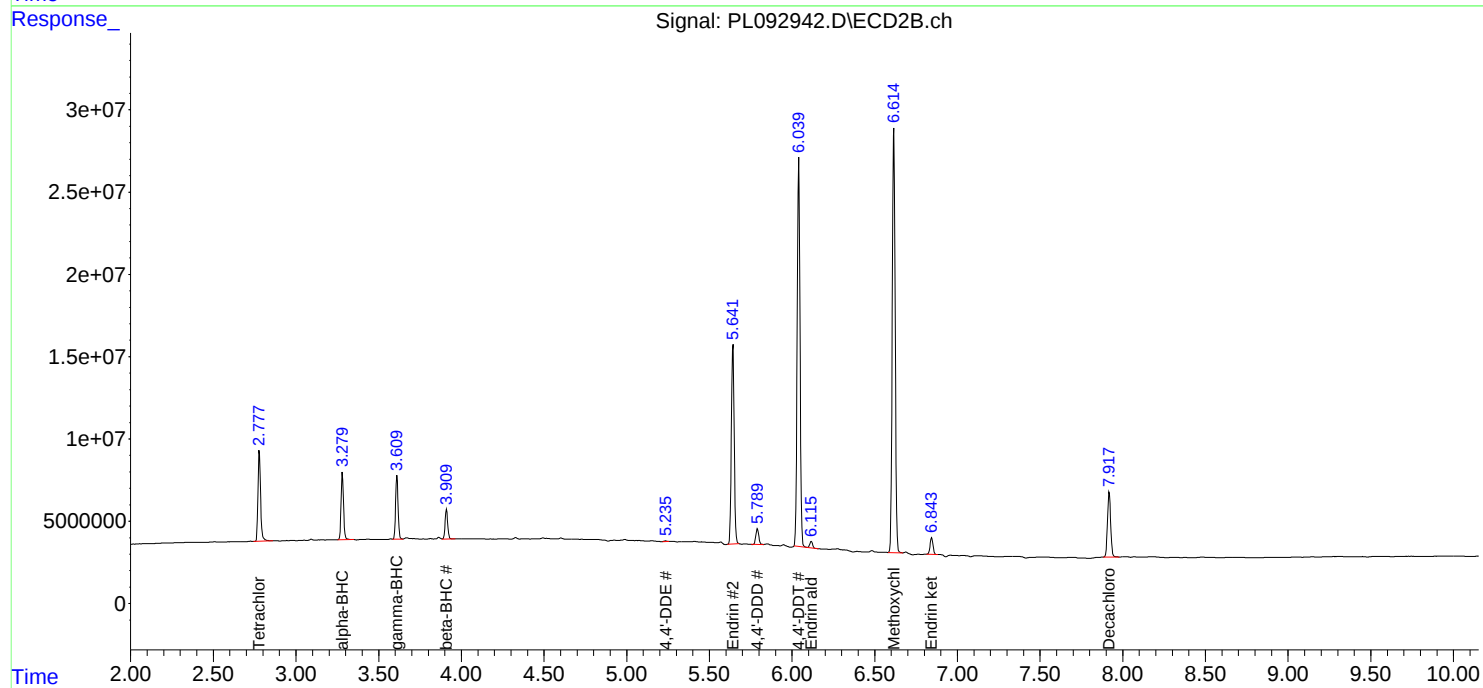
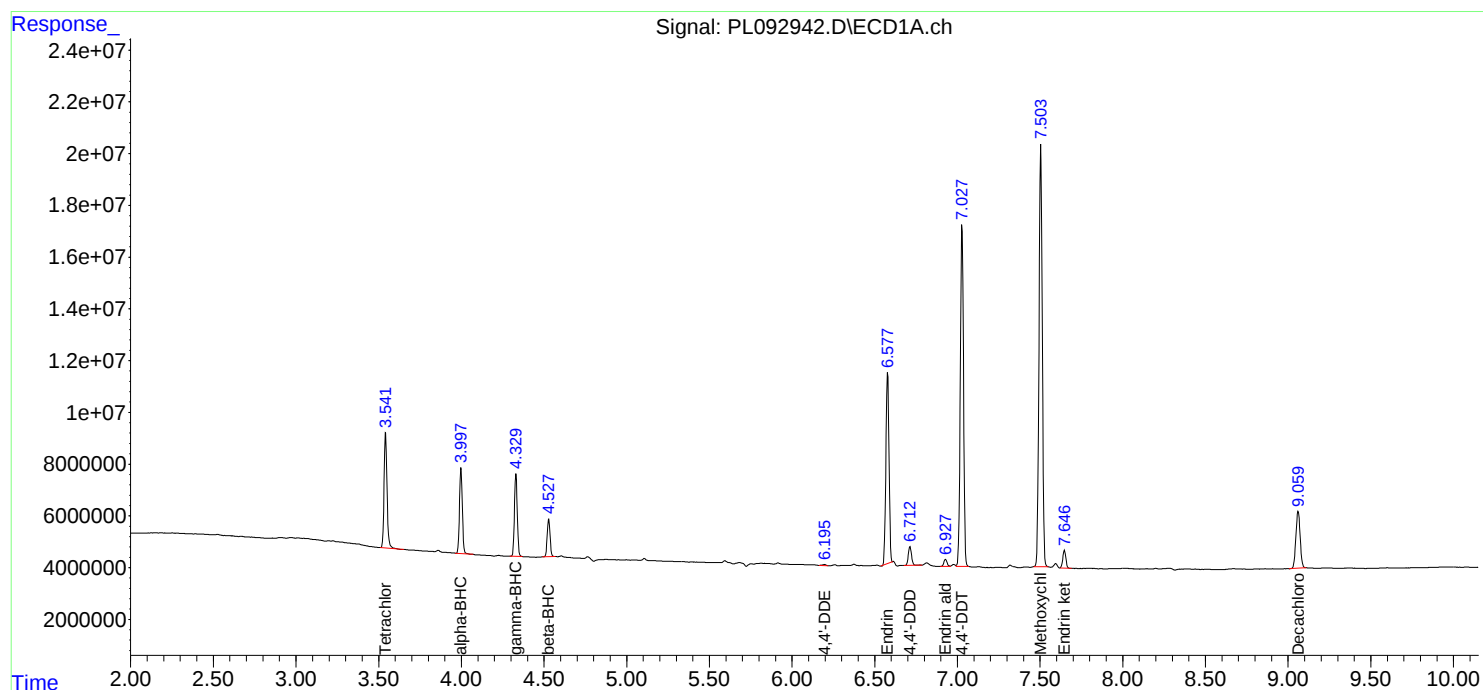
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 11/12/2024  
Supervised By : Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:44:39 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **P4718** SAS No.: **P4718** SDG NO.: **P4718**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL092972.D** Date Analyzed: **11/11/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **20:00**

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.062 | 8.960     | 9.160 | 20.460     | 20.000     | 2.3   |
| Tetrachloro-m-xylene | 3.542 | 3.490     | 3.590 | 22.530     | 20.000     | 12.7  |
| alpha-BHC            | 3.998 | 3.950     | 4.050 | 11.450     | 10.000     | 14.5  |
| beta-BHC             | 4.529 | 4.480     | 4.580 | 11.720     | 10.000     | 17.2  |
| gamma-BHC (Lindane)  | 4.331 | 4.280     | 4.380 | 11.150     | 10.000     | 11.5  |
| Endrin               | 6.579 | 6.510     | 6.650 | 41.830     | 50.000     | -16.3 |
| 4,4'-DDT             | 7.029 | 6.960     | 7.100 | 82.830     | 100.000    | -17.2 |
| Methoxychlor         | 7.506 | 7.440     | 7.580 | 196.860    | 250.000    | -21.3 |

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL092972.D** Date Analyzed: **11/11/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **20:00**

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 7.920 | 7.820     | 8.020 | 19.420     | 20.000     | -2.9  |
| Tetrachloro-m-xylene | 2.779 | 2.730     | 2.830 | 21.700     | 20.000     | 8.5   |
| alpha-BHC            | 3.282 | 3.230     | 3.330 | 10.340     | 10.000     | 3.4   |
| beta-BHC             | 3.912 | 3.860     | 3.960 | 11.670     | 10.000     | 16.7  |
| gamma-BHC (Lindane)  | 3.612 | 3.560     | 3.660 | 9.880      | 10.000     | -1.2  |
| Endrin               | 5.644 | 5.570     | 5.710 | 48.440     | 50.000     | -3.1  |
| 4,4'-DDT             | 6.042 | 5.970     | 6.110 | 95.830     | 100.000    | -4.2  |
| Methoxychlor         | 6.618 | 6.550     | 6.690 | 221.160    | 250.000    | -11.5 |

PEM  
Data File: PL092972.D Date Acquired 11/11/2024 20:00  
Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down<br>Down |
|-----------------|------|-------------|-----------------------|---------------------|----------------------|
| Endrin          | 6.58 | 95224884.74 | 109635284.1           | 14410399.3          | 13.14                |
| Endrin aldehyde | 6.93 | 4877451.157 |                       |                     |                      |
| Endrin ketone   | 7.65 | 9532948.157 |                       |                     |                      |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.64 | 140151009.8 | 157619437.1           | 17468427.3          | 11.08        |
| Endrin aldehyde #2 | 6.12 | 5304358.672 |                       |                     |              |
| Endrin ketone #2   | 6.85 | 12164068.62 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.03 | 171437415   | 185415879                 | 13978464              | 7.54         |
| 4,4'-DDE | 6.20 | 367719.77   |                           |                       |              |
| 4,4'-DDD | 6.71 | 13610744.24 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.04 | 257038605.6 | 273695303.5               | 16656697.9            | 6.09         |
| 4,4'-DDE #2 | 5.24 | 519270.263  |                           |                       |              |
| 4,4'-DDD #2 | 5.79 | 16137427.61 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
 Data File : PL092972.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 20:00  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/12/2024  
 Supervised By : Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 00:25:58 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.779 | 55209221 | 59046240 | 22.532  | 21.699  |
| 28) SA Decachlor...         | 9.062 | 7.920 | 39375238 | 53002059 | 20.459  | 19.420  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.998 | 3.282 | 38817725 | 41243610 | 11.445  | 10.336  |
| 3) MA gamma-BHC...          | 4.331 | 3.612 | 36347129 | 38125449 | 11.151  | 9.878   |
| 6) B beta-BHC               | 4.529 | 3.912 | 16936254 | 19209414 | 11.717  | 11.669  |
| 12) B 4,4'-DDE              | 6.199 | 5.235 | 367720   | 519270   | 0.155m  | 0.161m  |
| 14) MA Endrin               | 6.579 | 5.644 | 95224885 | 140.2E6  | 41.827  | 48.445  |
| 16) A 4,4'-DDD              | 6.714 | 5.792 | 13610744 | 16137428 | 7.091   | 6.481   |
| 17) MA 4,4'-DDT             | 7.029 | 6.042 | 171.4E6  | 257.0E6  | 82.830  | 95.829  |
| 18) B Endrin al...          | 6.928 | 6.118 | 4877451  | 5304359  | 2.597   | 2.299   |
| 20) A Methoxychlor          | 7.506 | 6.618 | 224.4E6  | 315.8E6  | 196.862 | 221.159 |
| 21) B Endrin ke...          | 7.648 | 6.846 | 9532948  | 12164069 | 3.935   | 3.964   |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092972.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 20:00  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

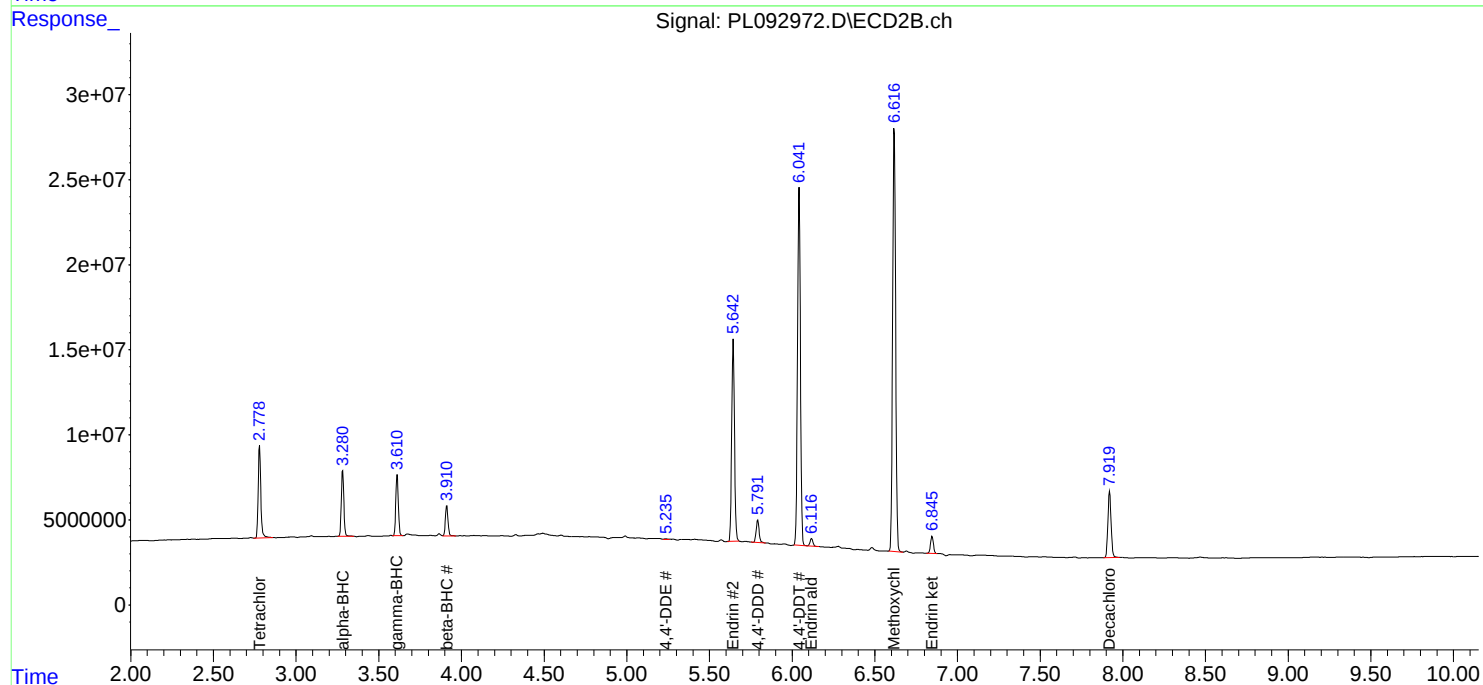
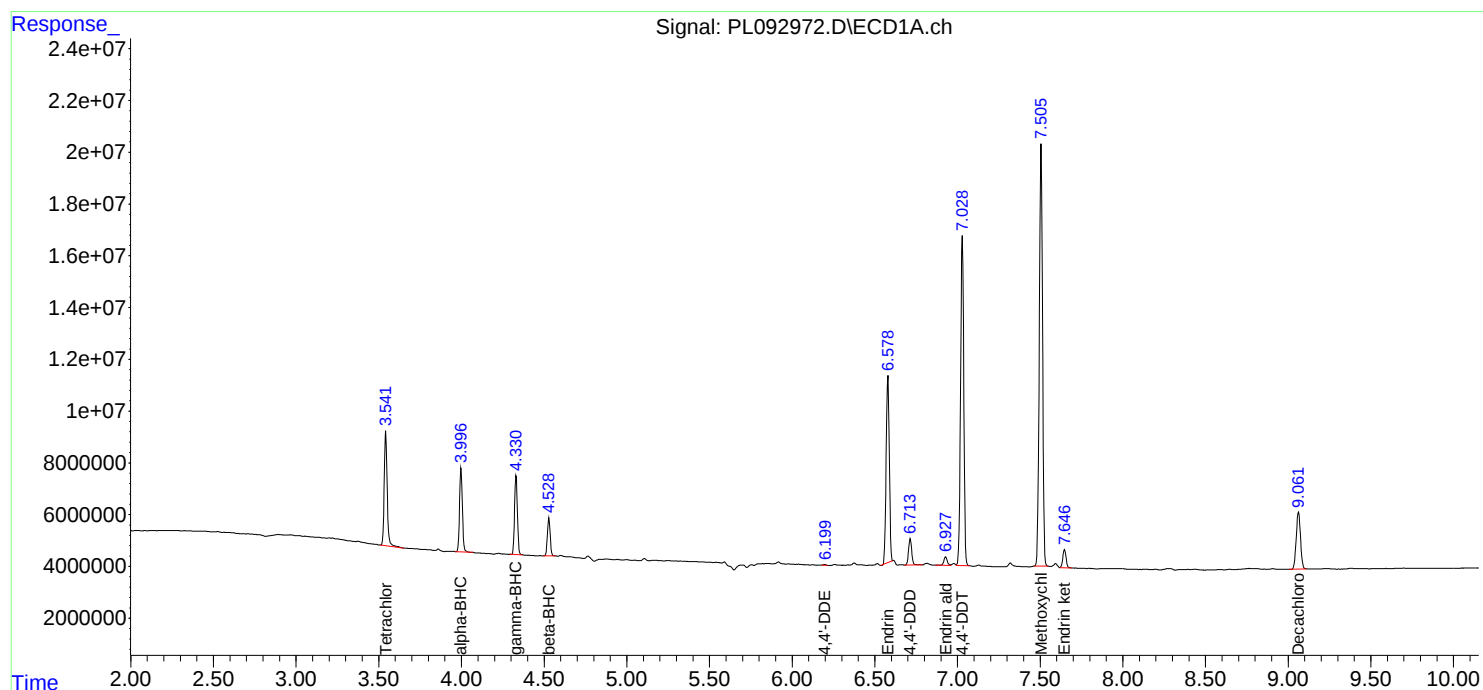
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 11/12/2024  
Supervised By : Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:25:58 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092654.D  
Acq On : 28 Oct 2024 14:29  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Title : GC Extractables  
Last Update : Mon Oct 28 18:58:23 2024  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.540 | 5.940 | 100.00%    |
| 5.940 | 6.070 | 100.00%    |
| 6.070 | 6.193 | 100.00%    |
| 6.193 | 6.345 | 100.00%    |
| 6.345 | 7.158 | 100.00%    |
| 7.158 | 7.499 | 100.00%    |
| 7.499 | 7.643 | 100.00%    |
| 7.643 | 9.054 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.778 | 4.982 | 100.00% |
| 4.982 | 5.102 | 100.00% |
| 5.102 | 5.235 | 100.00% |
| 5.235 | 5.366 | 100.00% |
| 5.366 | 6.338 | 100.00% |
| 6.338 | 6.615 | 100.00% |
| 6.615 | 6.844 | 100.00% |
| 6.844 | 7.916 | 100.00% |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
 Data File : PL092654.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 14:29  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RESCHK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 17:21:40 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:19:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.540 | 2.778 | 48587926 | 52085719 | 19.830 | 19.141 |
| 28)                         | SA Decachlor... | 9.054 | 7.916 | 38629596 | 53476121 | 20.072 | 19.594 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 9)                          | A Endosulfan I  | 6.070 | 5.102 | 26602716 | 28047383 | 10.635 | 9.186  |
| 10)                         | B gamma-Chl...  | 5.940 | 4.982 | 28607831 | 32626788 | 10.752 | 9.705  |
| 12)                         | B 4,4'-DDE      | 6.193 | 5.235 | 47717989 | 61582025 | 20.141 | 19.115 |
| 13)                         | MA Dieldrin     | 6.345 | 5.366 | 51856039 | 61668549 | 19.676 | 18.462 |
| 19)                         | B Endosulfa...  | 7.158 | 6.338 | 40592527 | 50485467 | 18.703 | 18.720 |
| 20)                         | A Methoxychlor  | 7.499 | 6.615 | 100.3E6  | 134.2E6  | 87.976 | 93.949 |
| 21)                         | B Endrin ke...  | 7.643 | 6.844 | 47240044 | 57600618 | 19.498 | 18.770 |
| -----                       |                 |       |       |          |          |        |        |

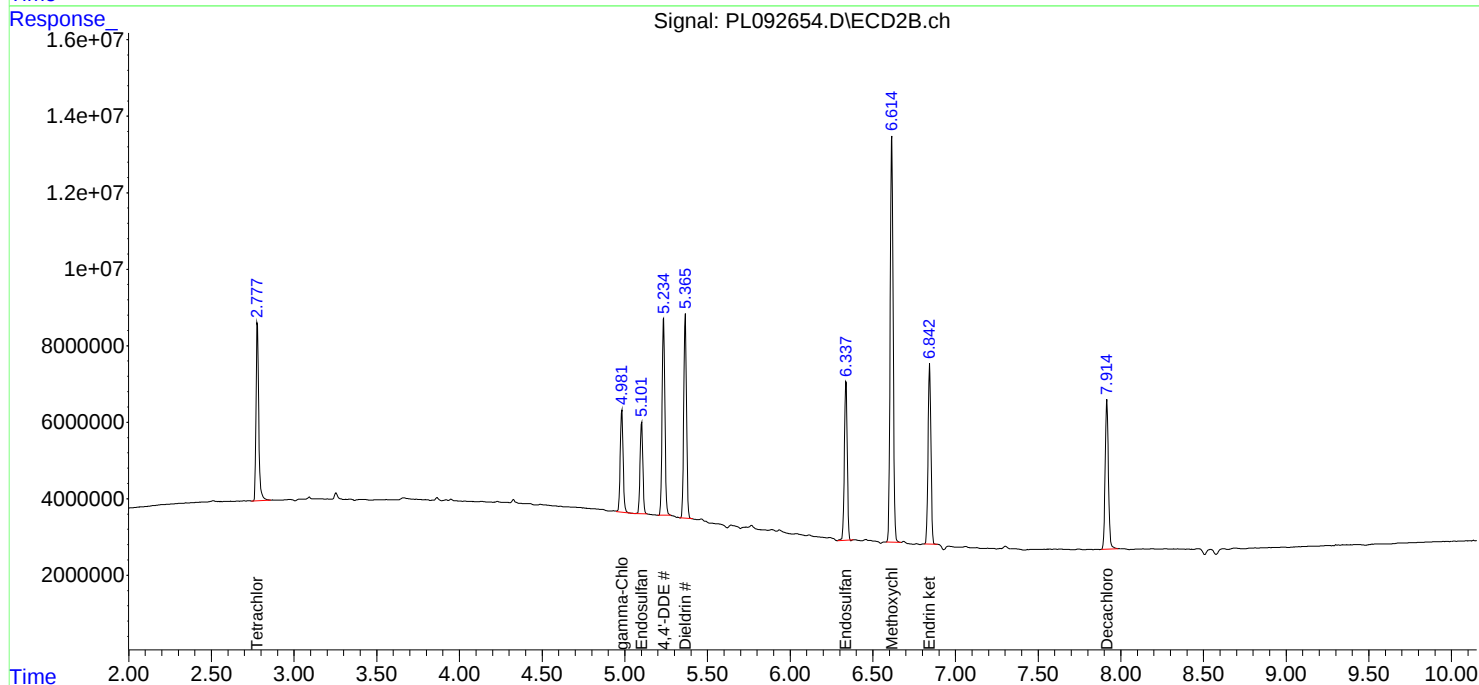
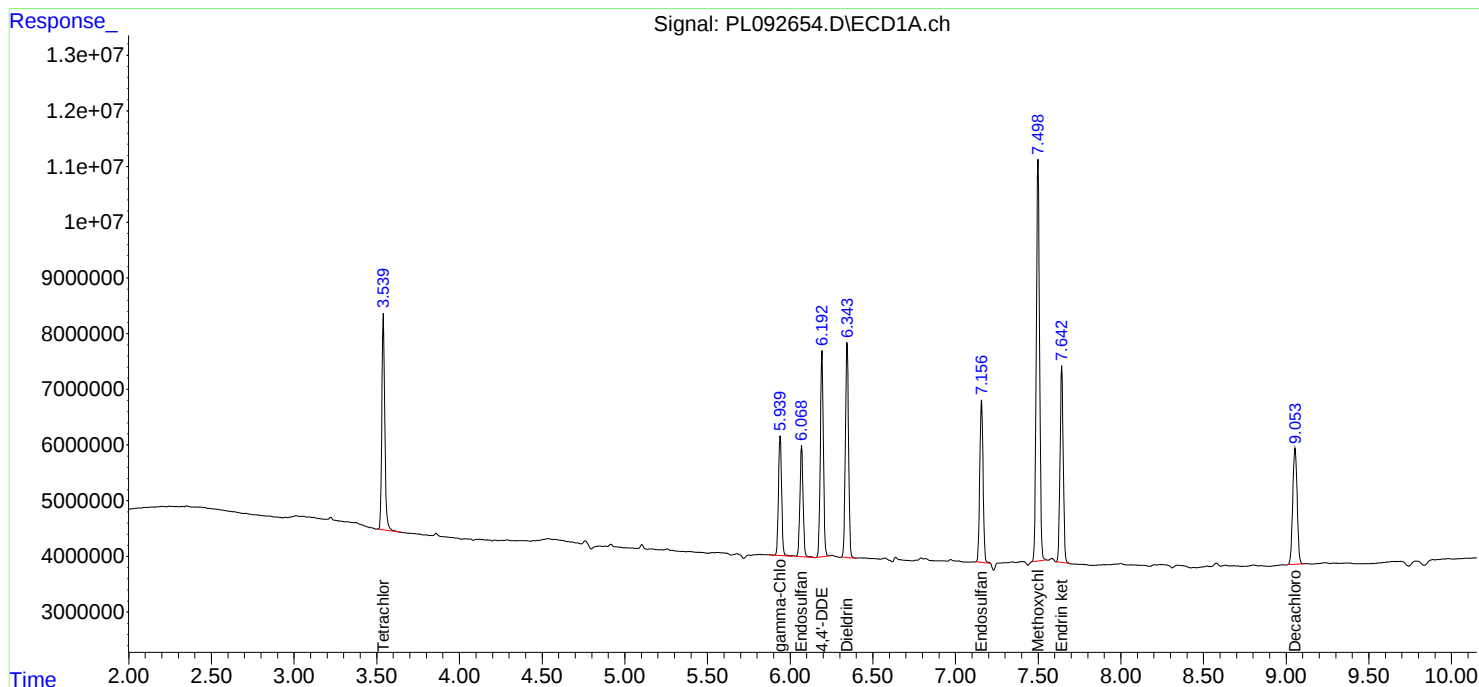
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092654.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 14:29  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 17:21:40 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:19:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



## Analytical Sequence

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Client: Portal Partners Tri-Venture   | SDG No.: P4718                                                  |
| Project: Amtrak Sawtooth Bridges 2024 | Instrument ID: ECD_L                                            |
| GC Column: ZB-MR2                     | ID: 0.32 (mm)    Inst. Calib. Date(s): 10/28/2024    10/28/2024 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| LBLK              | LBLK             | 10/28/2024       | 13:55            | PL092652.D | 9.05        | 3.54        |
| PEM               | PEM              | 10/28/2024       | 14:16            | PL092653.D | 9.06        | 3.55        |
| RESCHK            | RESCHK           | 10/28/2024       | 14:29            | PL092654.D | 9.05        | 3.54        |
| PSTDICC100        | PSTDICC100       | 10/28/2024       | 14:43            | PL092655.D | 9.05        | 3.54        |
| PSTDICC075        | PSTDICC075       | 10/28/2024       | 14:56            | PL092656.D | 9.05        | 3.54        |
| PSTDICC050        | PSTDICC050       | 10/28/2024       | 15:09            | PL092657.D | 9.05        | 3.54        |
| PSTDICC025        | PSTDICC025       | 10/28/2024       | 15:23            | PL092658.D | 9.05        | 3.54        |
| PSTDICC005        | PSTDICC005       | 10/28/2024       | 15:36            | PL092659.D | 9.05        | 3.54        |
| PCHLORICC500      | PCHLORICC500     | 10/28/2024       | 16:16            | PL092662.D | 9.06        | 3.54        |
| PTOXICC500        | PTOXICC500       | 10/28/2024       | 17:23            | PL092667.D | 9.05        | 3.54        |
| LBLK              | LBLK             | 11/11/2024       | 09:35            | PL092941.D | 9.06        | 3.54        |
| PEM               | PEM              | 11/11/2024       | 09:49            | PL092942.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 11/11/2024       | 11:58            | PL092943.D | 9.06        | 3.54        |
| PB164849BL        | PB164849BL       | 11/11/2024       | 12:12            | PL092944.D | 9.06        | 3.54        |
| PB164849BS        | PB164849BS       | 11/11/2024       | 12:26            | PL092945.D | 9.06        | 3.54        |
| PB164694TB        | PB164694TB       | 11/11/2024       | 12:40            | PL092946.D | 9.06        | 3.54        |
| LBLK              | LBLK             | 11/11/2024       | 16:35            | PL092959.D | 9.07        | 3.55        |
| PSTDCCC050        | PSTDCCC050       | 11/11/2024       | 16:49            | PL092960.D | 9.06        | 3.54        |
| LBLK              | LBLK             | 11/11/2024       | 19:46            | PL092971.D | 9.06        | 3.54        |
| PEM               | PEM              | 11/11/2024       | 20:00            | PL092972.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 11/11/2024       | 20:14            | PL092973.D | 9.06        | 3.54        |
| WB-307-SB02       | P4718-03         | 11/11/2024       | 22:47            | PL092983.D | 9.06        | 3.54        |
| WB-307-SB02MS     | P4718-03MS       | 11/11/2024       | 23:01            | PL092984.D | 9.06        | 3.54        |
| WB-307-SB02MSD    | P4718-03MSD      | 11/11/2024       | 23:14            | PL092985.D | 9.06        | 3.54        |
| LBLK              | LBLK             | 11/12/2024       | 00:52            | PL092992.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 11/12/2024       | 01:06            | PL092993.D | 9.06        | 3.54        |

## Analytical Sequence

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Client: Portal Partners Tri-Venture   | SDG No.: P4718                                                  |
| Project: Amtrak Sawtooth Bridges 2024 | Instrument ID: ECD_L                                            |
| GC Column: ZB-MR1                     | ID: 0.32 (mm)    Inst. Calib. Date(s): 10/28/2024    10/28/2024 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| LBLK              | LBLK             | 10/28/2024       | 13:55            | PL092652.D | 7.92        | 2.78        |
| PEM               | PEM              | 10/28/2024       | 14:16            | PL092653.D | 7.92        | 2.78        |
| RESCHK            | RESCHK           | 10/28/2024       | 14:29            | PL092654.D | 7.92        | 2.78        |
| PSTDICC100        | PSTDICC100       | 10/28/2024       | 14:43            | PL092655.D | 7.92        | 2.78        |
| PSTDICC075        | PSTDICC075       | 10/28/2024       | 14:56            | PL092656.D | 7.92        | 2.78        |
| PSTDICC050        | PSTDICC050       | 10/28/2024       | 15:09            | PL092657.D | 7.92        | 2.78        |
| PSTDICC025        | PSTDICC025       | 10/28/2024       | 15:23            | PL092658.D | 7.92        | 2.78        |
| PSTDICC005        | PSTDICC005       | 10/28/2024       | 15:36            | PL092659.D | 7.92        | 2.78        |
| PCHLORICC500      | PCHLORICC500     | 10/28/2024       | 16:16            | PL092662.D | 7.92        | 2.78        |
| PTOXICC500        | PTOXICC500       | 10/28/2024       | 17:23            | PL092667.D | 7.92        | 2.78        |
| LBLK              | LBLK             | 11/11/2024       | 09:35            | PL092941.D | 7.92        | 2.78        |
| PEM               | PEM              | 11/11/2024       | 09:49            | PL092942.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 11/11/2024       | 11:58            | PL092943.D | 7.92        | 2.78        |
| PB164849BL        | PB164849BL       | 11/11/2024       | 12:12            | PL092944.D | 7.92        | 2.78        |
| PB164849BS        | PB164849BS       | 11/11/2024       | 12:26            | PL092945.D | 7.92        | 2.78        |
| PB164694TB        | PB164694TB       | 11/11/2024       | 12:40            | PL092946.D | 7.92        | 2.78        |
| LBLK              | LBLK             | 11/11/2024       | 16:35            | PL092959.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 11/11/2024       | 16:49            | PL092960.D | 7.92        | 2.78        |
| LBLK              | LBLK             | 11/11/2024       | 19:46            | PL092971.D | 7.92        | 2.78        |
| PEM               | PEM              | 11/11/2024       | 20:00            | PL092972.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 11/11/2024       | 20:14            | PL092973.D | 7.92        | 2.78        |
| WB-307-SB02       | P4718-03         | 11/11/2024       | 22:47            | PL092983.D | 7.92        | 2.78        |
| WB-307-SB02MS     | P4718-03MS       | 11/11/2024       | 23:01            | PL092984.D | 7.92        | 2.78        |
| WB-307-SB02MSD    | P4718-03MSD      | 11/11/2024       | 23:14            | PL092985.D | 7.92        | 2.78        |
| LBLK              | LBLK             | 11/12/2024       | 00:52            | PL092992.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 11/12/2024       | 01:06            | PL092993.D | 7.92        | 2.78        |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PB164849BS**

**Contract:** PORT06

**Lab Code:** CHEM

**Case No.:** P4718

**SAS No.:** P4718

**SDG NO.:** P4718

**Lab Sample ID:** PB164849BS

**Date(s) Analyzed:** 11/11/2024

11/11/2024

**Instrument ID (1):** ECD\_L

**Instrument ID (2):** ECD\_L

**GC Column: (1):** ZB-MR2

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR1

**ID:** 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Methoxychlor        | 1   | 7.51 | 7.46      | 7.56 | 0.46          | 8.6  |
|                     | 2   | 6.62 | 6.57      | 6.67 | 0.50          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 0.48          | 6    |
|                     | 2   | 3.61 | 3.56      | 3.66 | 0.51          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 0.49          | 7.5  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 0.53          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 0.48          | 10.6 |
|                     | 2   | 4.73 | 4.68      | 4.78 | 0.53          |      |
| Endrin              | 1   | 6.58 | 6.53      | 6.63 | 0.44          | 18.6 |
|                     | 2   | 5.64 | 5.59      | 5.69 | 0.53          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**WB-307-SB02MS**

**Contract:** PORT06

**Lab Code:** CHEM

**Case No.:** P4718

**SAS No.:** P4718

**SDG NO.:** P4718

**Lab Sample ID:** P4718-03MS

**Date(s) Analyzed:** 11/11/2024

11/11/2024

**Instrument ID (1):** ECD\_L

**Instrument ID (2):** ECD\_L

**GC Column: (1):** ZB-MR2

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR1

**ID:** 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin              | 1   | 6.58 | 6.53      | 6.63 | 4.40          | 16.7 |
|                     | 2   | 5.64 | 5.59      | 5.69 | 5.20          |      |
| Methoxychlor        | 1   | 7.51 | 7.46      | 7.56 | 4.50          | 6.5  |
|                     | 2   | 6.62 | 6.57      | 6.67 | 4.80          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 4.60          | 6.3  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 4.90          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 5.00          | 7.7  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 5.40          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 4.70          | 12   |
|                     | 2   | 4.73 | 4.68      | 4.78 | 5.30          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-307-SB02MSD

Contract: PORT06

Lab Code: CHEM

Case No.: P4718

SAS No.: P4718

SDG NO.: P4718

Lab Sample ID: P4718-03MSD

Date(s) Analyzed: 11/11/2024

11/11/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 4.50          | 6.5  |
|                     | 2   | 6.62 | 6.57      | 6.67 | 4.80          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 4.60          | 6.3  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 4.90          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 5.00          | 9.5  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 5.50          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 4.80          | 9.9  |
|                     | 2   | 4.73 | 4.68      | 4.78 | 5.30          |      |
| Endrin              | 1   | 6.58 | 6.53      | 6.63 | 4.50          | 18.2 |
|                     | 2   | 5.64 | 5.59      | 5.69 | 5.40          |      |



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Fax : 908 789 8922

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164849BS

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: PB164849BS Date(s) Analyzed: 11/11/2024 11/11/2024

Instrument ID (1): ECD\_L Instrument ID (2): ECD\_L

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

Data file PL092945.D

| ANALYTE                                                                                | COL | RT | RT WINDOW |    | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|----------------------------------------------------------------------------------------|-----|----|-----------|----|---------------|-----------------------|------|
|                                                                                        |     |    | FROM      | TO |               |                       |      |
| Chlordane(alpha and gamma isomers)<br><br>COLUMN 1<br><br><br><br><br><br><br>COLUMN 2 | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |
| Endrin<br><br>COLUMN 1<br><br><br><br><br><br><br>COLUMN 2                             | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

|                     |   |   |   |   |   |  |  |
|---------------------|---|---|---|---|---|--|--|
| gamma-BHC (Lindane) | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
|                     | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |
| 1                   | 0 | 0 | 0 | 0 |   |  |  |
| 2                   | 0 | 0 | 0 | 0 |   |  |  |
| 3                   | 0 | 0 | 0 | 0 |   |  |  |
| 4                   | 0 | 0 | 0 | 0 |   |  |  |
| 5                   | 0 | 0 | 0 | 0 |   |  |  |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WB-307-SB02MS

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: P4718-03MS Date(s) Analyzed: 11/11/2024 11/11/2024

Instrument ID (1): ECD\_L Instrument ID (2): ECD\_L

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

Data file PL092984.D

| ANALYTE                                                                                | COL | RT | RT WINDOW |    | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|----------------------------------------------------------------------------------------|-----|----|-----------|----|---------------|-----------------------|------|
|                                                                                        |     |    | FROM      | TO |               |                       |      |
| Chlordane(alpha and gamma isomers)<br><br>COLUMN 1<br><br><br><br><br><br><br>COLUMN 2 | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |
| Endrin<br><br>COLUMN 1<br><br><br><br><br><br><br>COLUMN 2                             | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 1   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 2   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 3   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 4   | 0  | 0         | 0  | 0             |                       |      |
|                                                                                        | 5   | 0  | 0         | 0  | 0             |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

|                     |   |   |   |   |   |  |  |
|---------------------|---|---|---|---|---|--|--|
| gamma-BHC (Lindane) | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| Heptachlor          | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| Heptachlor epoxide  | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| Methoxychlor        | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WB-307-SB02MSD

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: P4718-03MSD Date(s) Analyzed: 11/11/2024 11/11/2024

Instrument ID (1): ECD\_L Instrument ID (2): ECD\_L

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

Data file PL092985.D

| ANALYTE                                                            | COL | RT | RT WINDOW |    | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |  |
|--------------------------------------------------------------------|-----|----|-----------|----|---------------|-----------------------|------|--|
|                                                                    |     |    | FROM      | TO |               |                       |      |  |
| <div>Chlordane (alpha and gamma isomers)</div> <div>COLUMN 1</div> | 1   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 2   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 3   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 4   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 5   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    |     |    |           |    |               |                       |      |  |
|                                                                    | 1   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 2   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 3   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 4   | 0  | 0         | 0  | 0             |                       |      |  |
| 5                                                                  | 0   | 0  | 0         | 0  |               |                       |      |  |
| <div>Endrin</div> <div>COLUMN 1</div>                              | 1   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 2   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 3   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 4   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 5   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    |     |    |           |    |               |                       |      |  |
|                                                                    | 1   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 2   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 3   | 0  | 0         | 0  | 0             |                       |      |  |
|                                                                    | 4   | 0  | 0         | 0  | 0             |                       |      |  |
| 5                                                                  | 0   | 0  | 0         | 0  |               |                       |      |  |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

|                     |   |   |   |   |   |  |  |
|---------------------|---|---|---|---|---|--|--|
| gamma-BHC (Lindane) | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| Heptachlor          | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| Heptachlor epoxide  | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| Methoxychlor        | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |
| COLUMN 1            |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
|                     |   |   |   |   |   |  |  |
| COLUMN 2            | 1 | 0 | 0 | 0 | 0 |  |  |
|                     | 2 | 0 | 0 | 0 | 0 |  |  |
|                     | 3 | 0 | 0 | 0 | 0 |  |  |
|                     | 4 | 0 | 0 | 0 | 0 |  |  |
|                     | 5 | 0 | 0 | 0 | 0 |  |  |



# QC SAMPLE DATA

## Report of Analysis

|                    |                              |                    |                  |
|--------------------|------------------------------|--------------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    |                  |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:     |                  |
| Client Sample ID:  | PB164849BL                   | SDG No.:           | P4718            |
| Lab Sample ID:     | PB164849BL                   | Matrix:            | TCLP             |
| Analytical Method: | SW8081                       | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                           | Test:              | TCLP Pesticide   |
| Extraction Type:   |                              | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :                |                    |                  |
| Prep Method :      | 3510C                        |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092944.D        | 1         | 11/10/24 08:44 | 11/11/24 12:12 | PB164849      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 57-74-9           | Chlordane            | 0.082  | U         | 0.082               | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.1   |           | 30 (43) - 150 (140) | 105%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.7   |           | 30 (77) - 150 (126) | 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 &gt;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\_L\Data\PL111124\  
 Data File : PL092944.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 12:12  
 Operator : AR\AJ  
 Sample : PB164849BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB164849BL

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:47:02 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.778 | 50726938 | 54774564 | 20.703 | 20.129 |
| 28) SA Decachlor...         | 9.061 | 7.919 | 40520105 | 55953124 | 21.054 | 20.501 |

Target Compounds

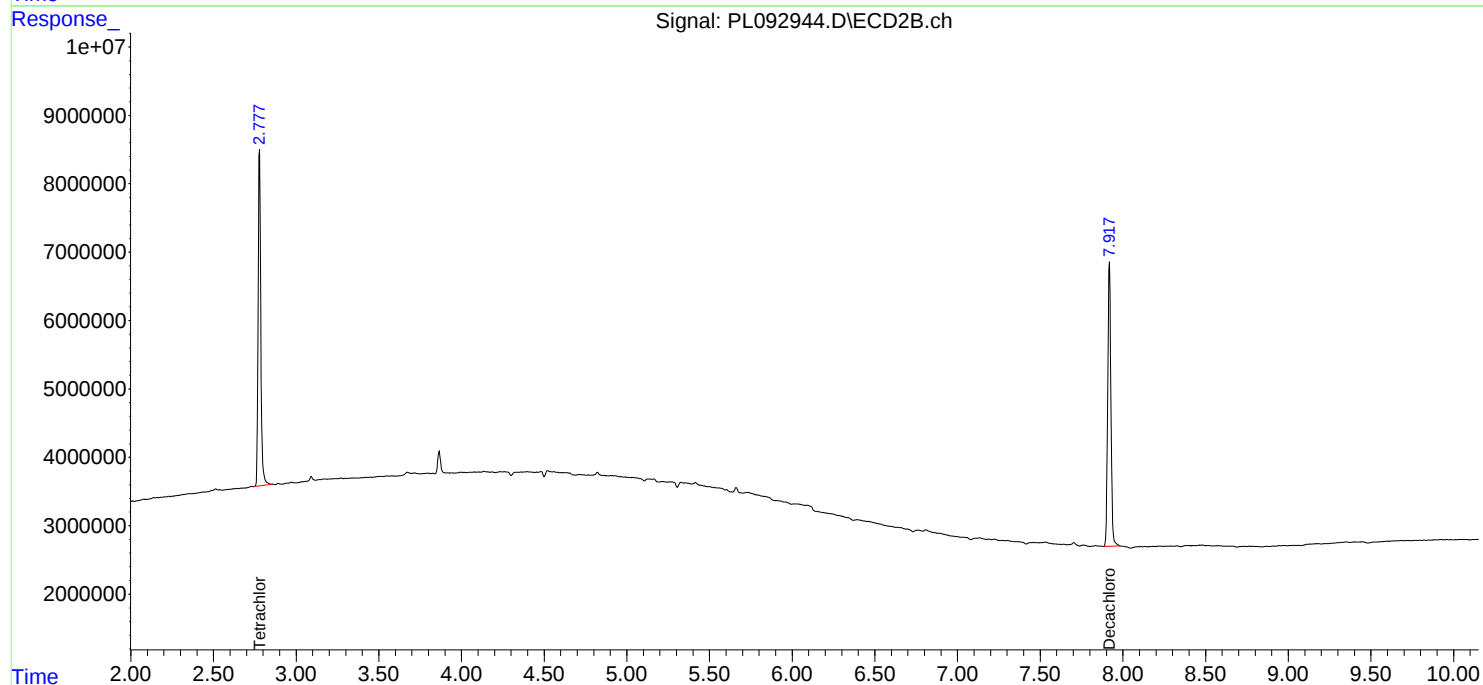
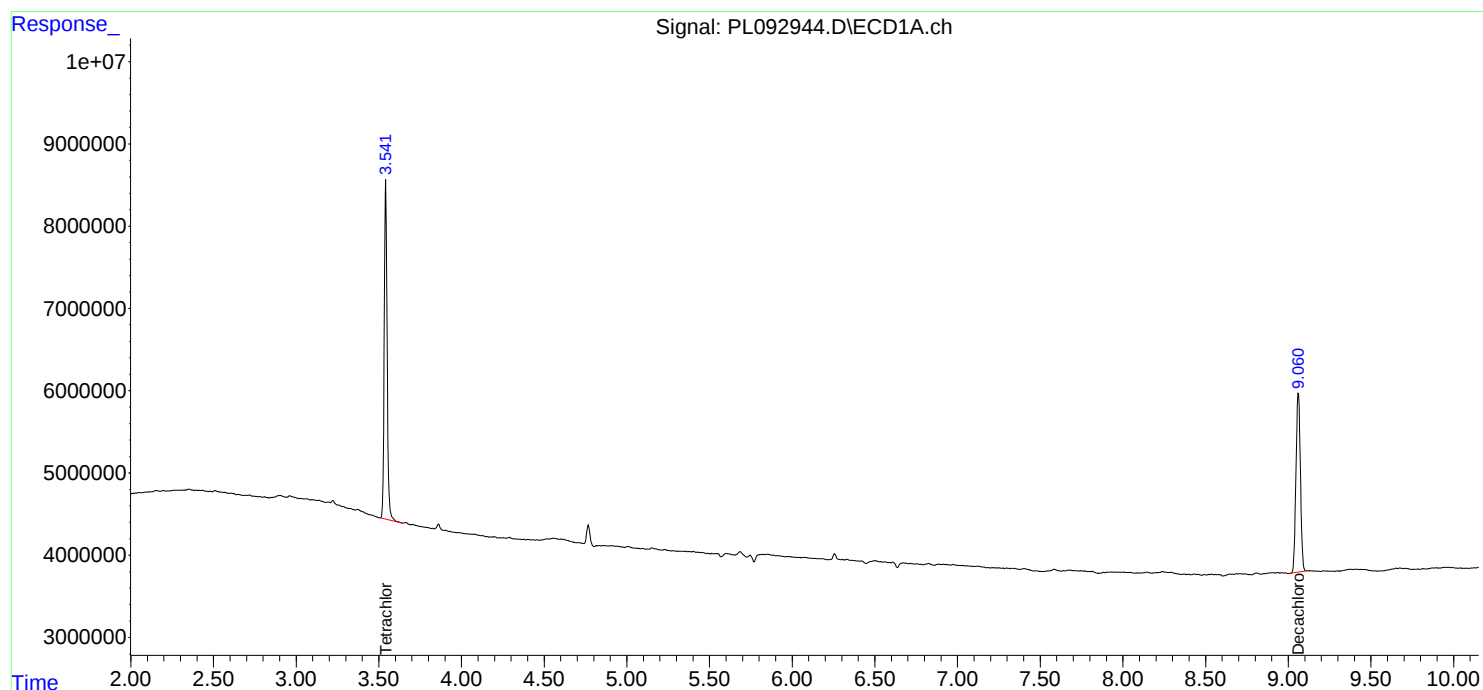
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

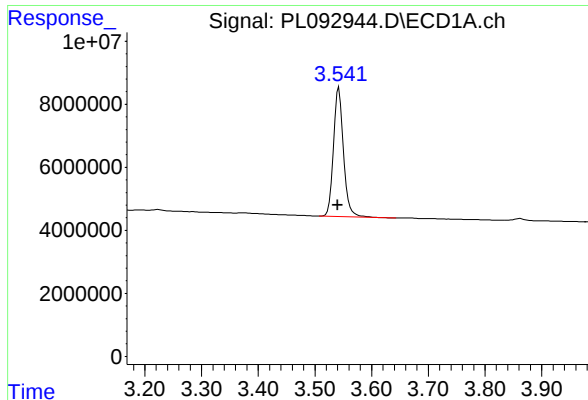
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092944.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:12  
Operator : AR\AJ  
Sample : PB164849BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB164849BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:47:02 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

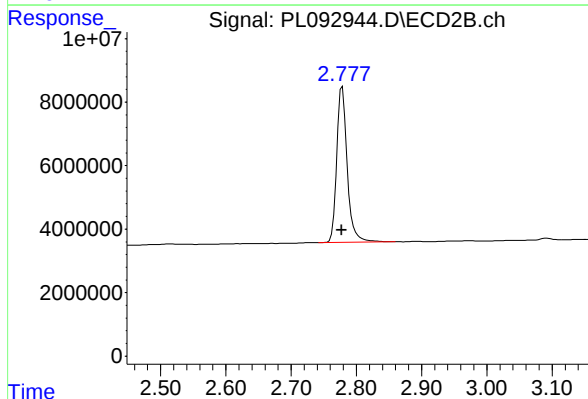




## #1 Tetrachloro-m-xylene

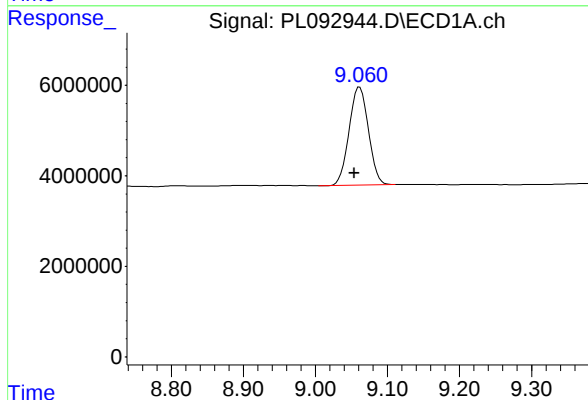
R.T.: 3.542 min  
Delta R.T.: 0.002 min  
Response: 50726938  
Conc: 20.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164849BL



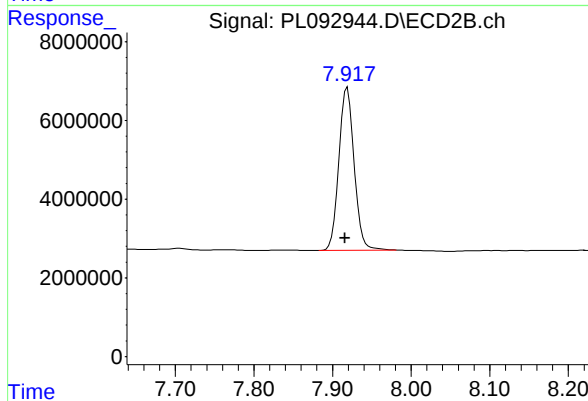
## #1 Tetrachloro-m-xylene

R.T.: 2.778 min  
Delta R.T.: 0.000 min  
Response: 54774564  
Conc: 20.13 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.061 min  
Delta R.T.: 0.007 min  
Response: 40520105  
Conc: 21.05 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.919 min  
Delta R.T.: 0.003 min  
Response: 55953124  
Conc: 20.50 ng/ml

## 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-PL092652.D             | SDG No.:           | P4718          |
| Lab Sample ID:     | I.BLK-PL092652.D             | Matrix:            | TCLP           |
| Analytical Method: | SW8081                       | % Solid:           | 0              |
| Sample Wt/Vol:     | 1000                         | Units:             | mL             |
| Soil Aliquot Vol:  |                              |                    | uL             |
| Extraction Type:   |                              | Test:              | TCLP Pesticide |
| GPC Factor :       | 1.0                          | PH :               |                |
| Prep Method :      | 3510C                        | Decanted:          |                |
|                    |                              | Final Vol:         | 10000          |
|                    |                              | Injection Volume : |                |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092652.D        | 1         |           | 10/28/24      | PL102824      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 57-74-9           | Chlordane            | 0.082  | U         | 0.082               | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.7   |           | 30 (43) - 150 (140) | 114%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.6   |           | 30 (77) - 150 (126) | 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 &gt;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\_L\Data\PL102824\  
 Data File : PL092652.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2024 13:55  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 17:20:49 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 17:19:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.539 | 2.777 | 52846066 | 55504223 | 21.568 | 20.397 |
| 28) SA Decachlor...         | 9.052 | 7.915 | 43705517 | 59287776 | 22.709 | 21.723 |

Target Compounds

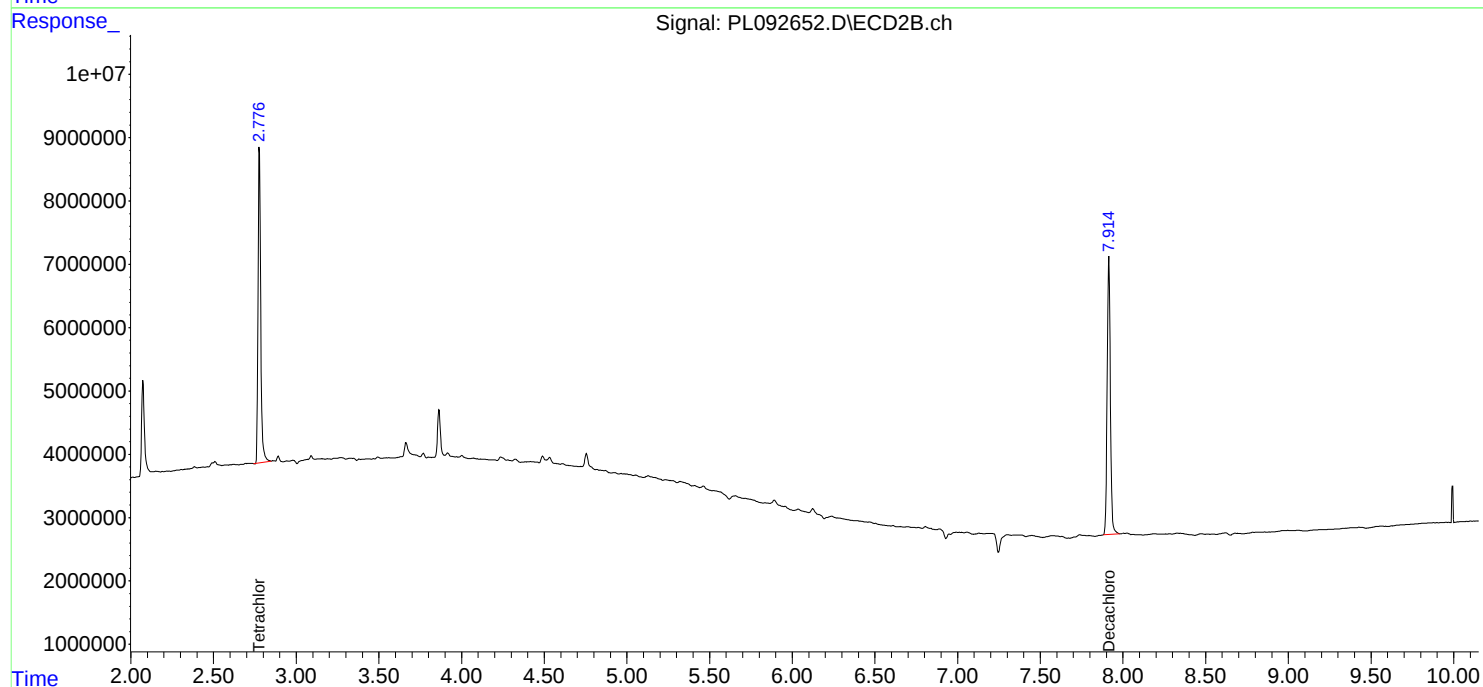
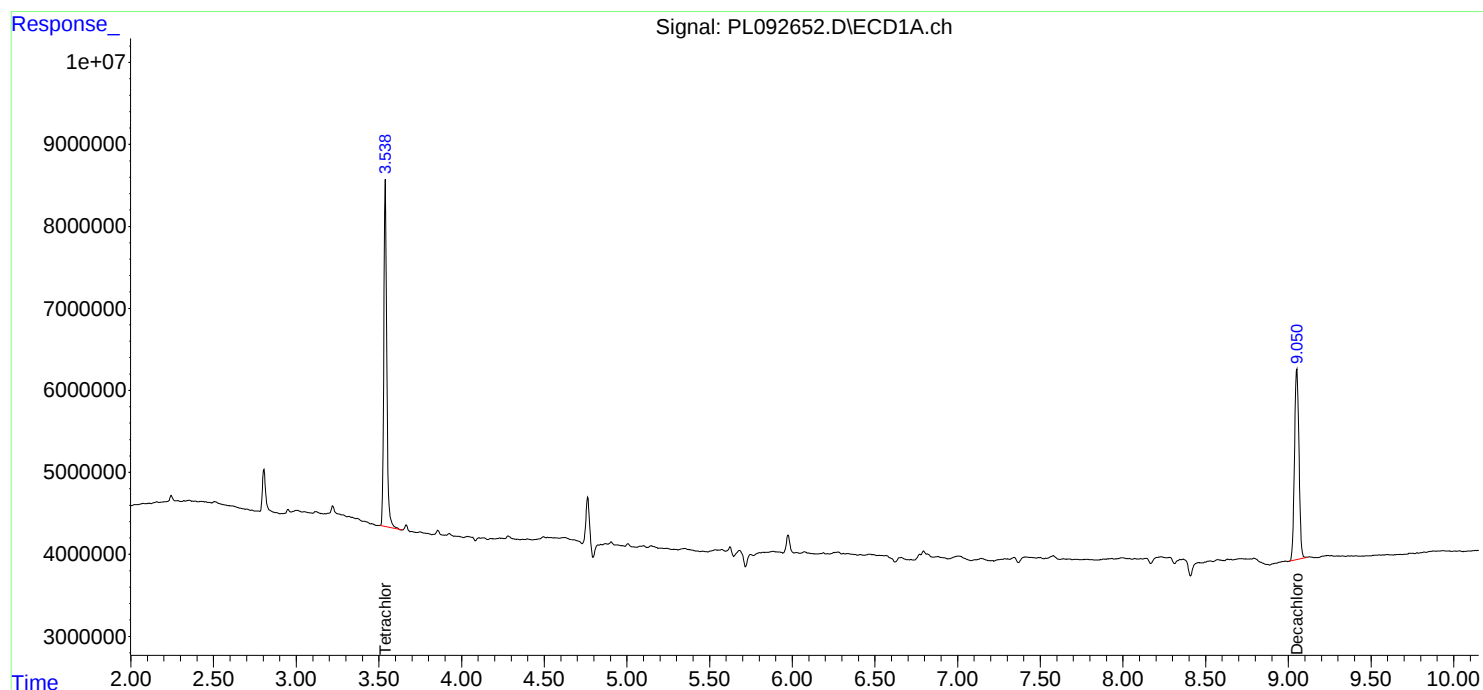
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

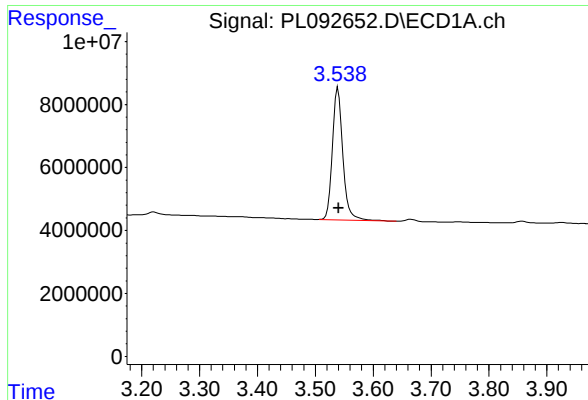
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102824\  
Data File : PL092652.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2024 13:55  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 17:20:49 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 17:19:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

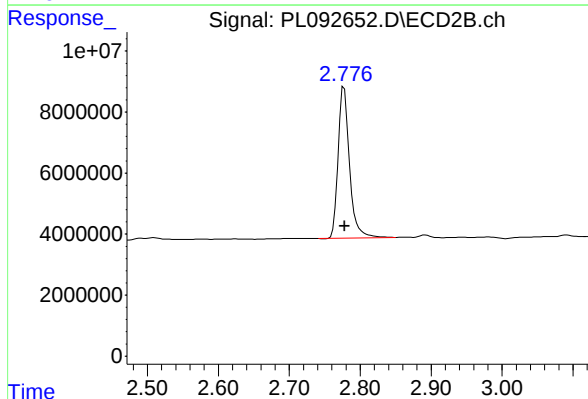




## #1 Tetrachloro-m-xylene

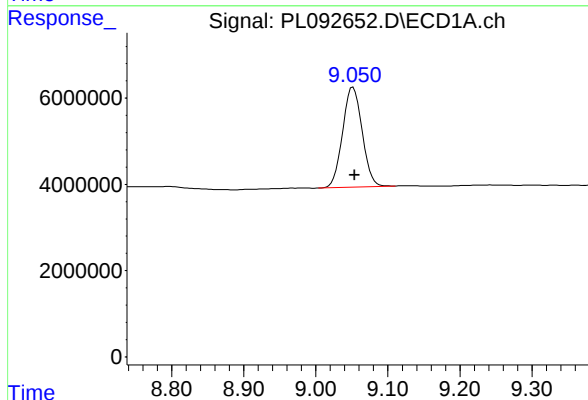
R.T.: 3.539 min  
Delta R.T.: 0.000 min  
Response: 52846066  
Conc: 21.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



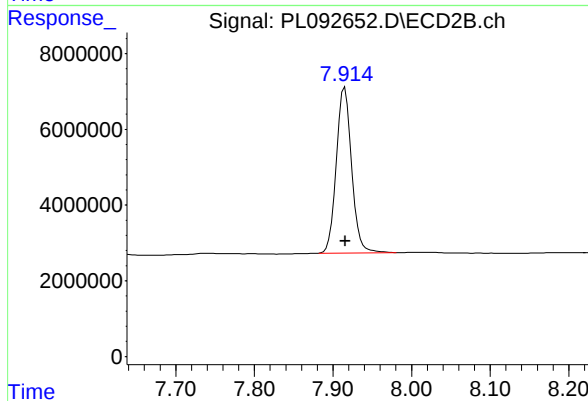
## #1 Tetrachloro-m-xylene

R.T.: 2.777 min  
Delta R.T.: 0.000 min  
Response: 55504223  
Conc: 20.40 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.052 min  
Delta R.T.: -0.002 min  
Response: 43705517  
Conc: 22.71 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.915 min  
Delta R.T.: 0.000 min  
Response: 59287776  
Conc: 21.72 ng/ml

## Report of Analysis

|                    |                              |        |      |                    |                |    |           |
|--------------------|------------------------------|--------|------|--------------------|----------------|----|-----------|
| Client:            | Portal Partners Tri-Venture  |        |      | Date Collected:    | 11/11/24       |    |           |
| Project:           | Amtrak Sawtooth Bridges 2024 |        |      | Date Received:     | 11/11/24       |    |           |
| Client Sample ID:  | PIBLK-PL092941.D             |        |      | SDG No.:           | P4718          |    |           |
| Lab Sample ID:     | I.BLK-PL092941.D             |        |      | Matrix:            | TCLP           |    |           |
| Analytical Method: | SW8081                       |        |      | % Solid:           | 0              |    | Decanted: |
| Sample Wt/Vol:     | 1000                         | Units: | mL   | Final Vol:         | 10000          | uL |           |
| Soil Aliquot Vol:  |                              |        | uL   | Test:              | TCLP Pesticide |    |           |
| Extraction Type:   |                              |        |      | Injection Volume : |                |    |           |
| GPC Factor :       | 1.0                          |        | PH : |                    |                |    |           |
| Prep Method :      | 3510C                        |        |      |                    |                |    |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL092941.D        | 1         |           | 11/11/24      | PL111124      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 57-74-9           | Chlordane            | 0.082  | U         | 0.082               | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.8   |           | 30 (43) - 150 (140) | 104%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.3   |           | 30 (77) - 150 (126) | 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 OC 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\_L\Data\PL111124\  
 Data File : PL092941.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 09:35  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:43:47 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.543 | 2.779 | 54678322 | 58859641 | 22.316 | 21.630 |
| 28) SA Decachlor...         | 9.063 | 7.918 | 39943305 | 53994439 | 20.755 | 19.784 |

Target Compounds

-----

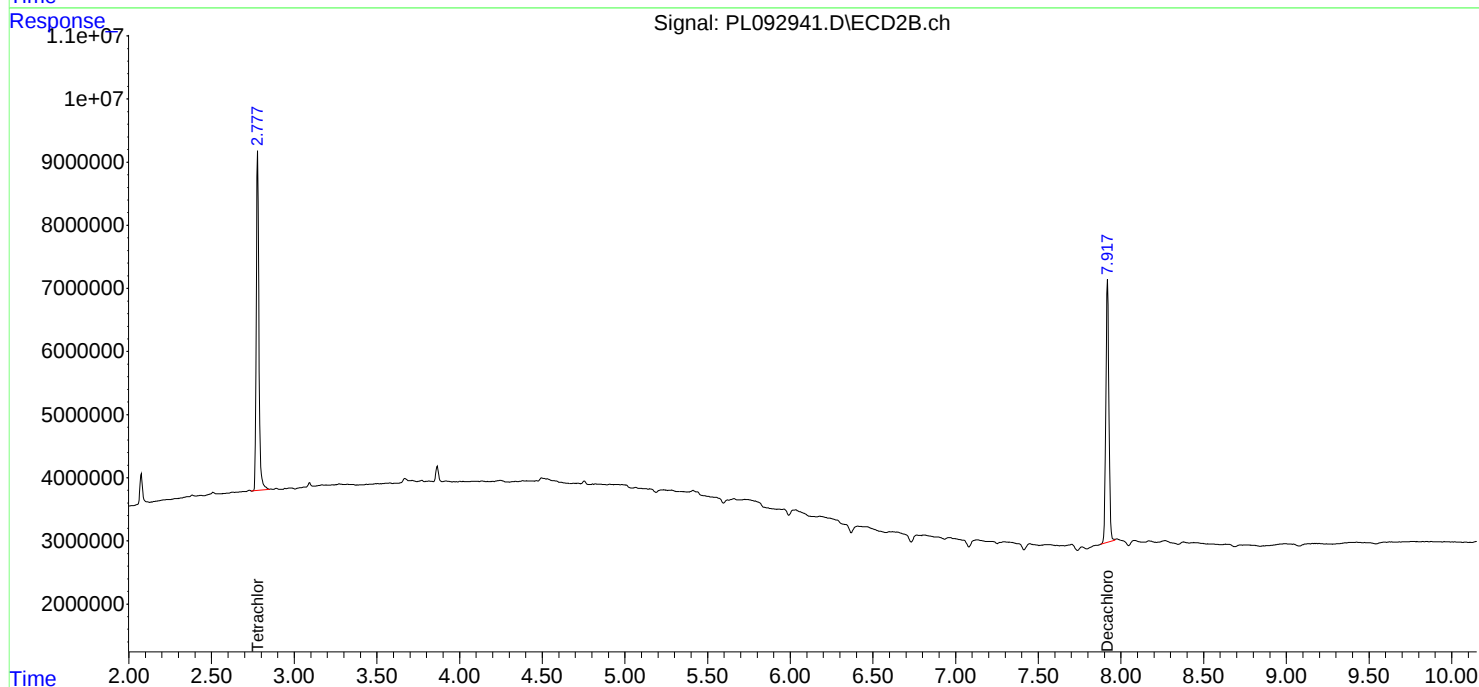
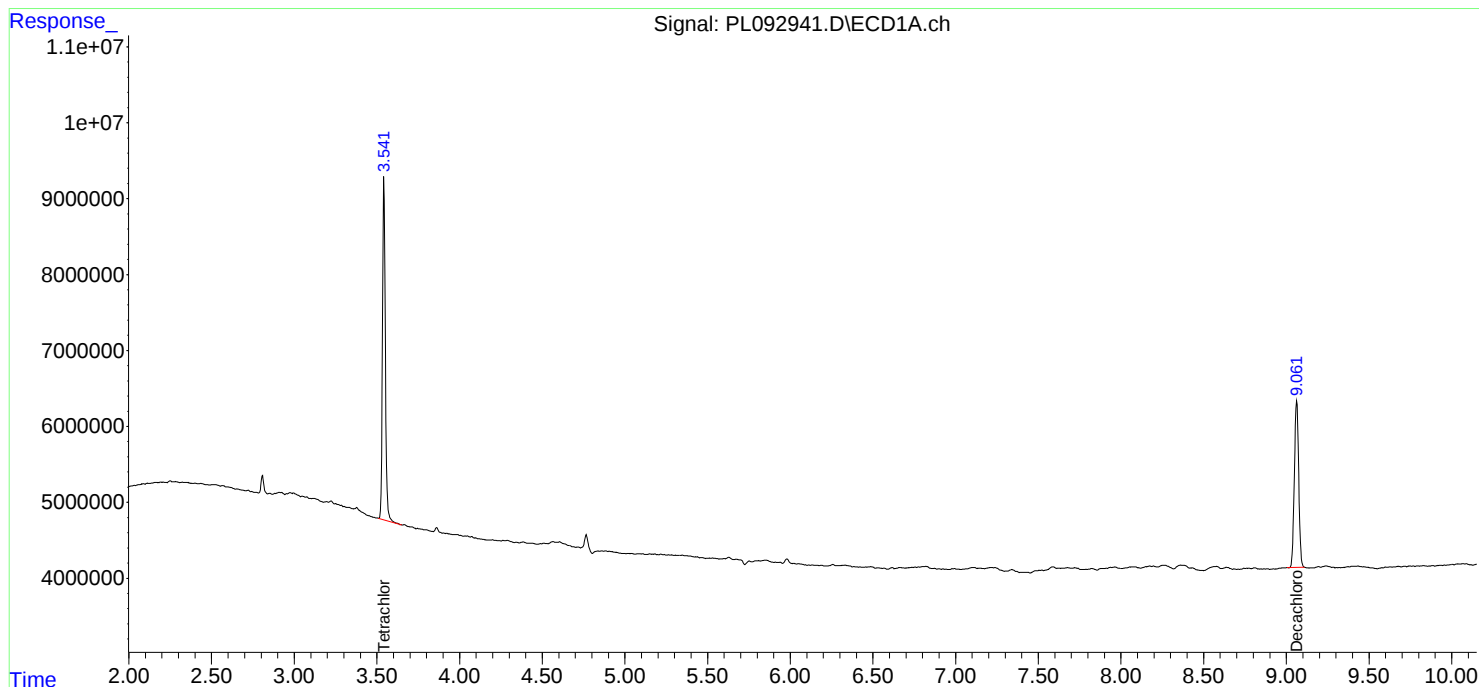
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

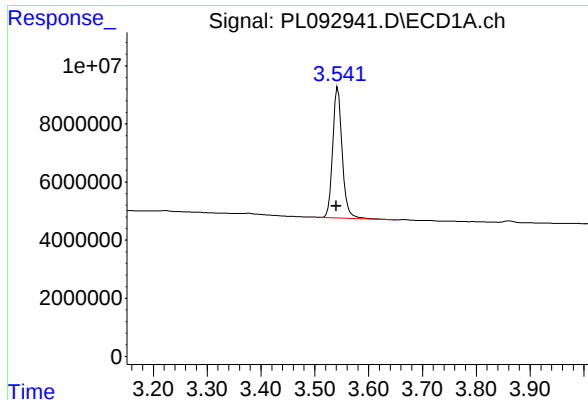
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092941.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 09:35  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:43:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

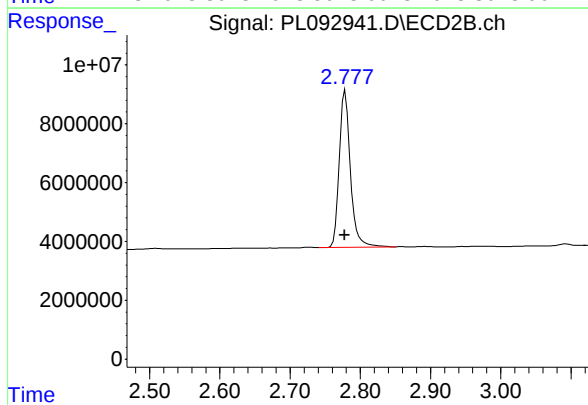




## #1 Tetrachloro-m-xylene

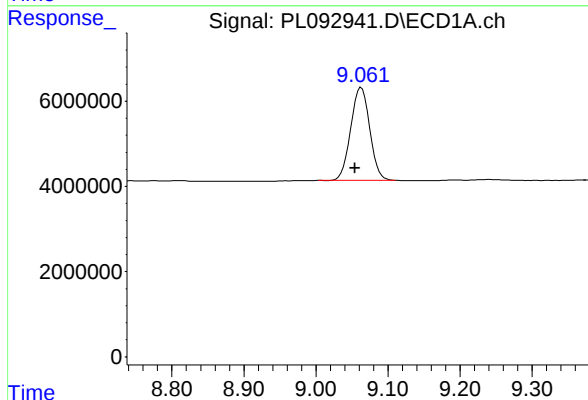
R.T.: 3.543 min  
Delta R.T.: 0.003 min  
Response: 54678322  
Conc: 22.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



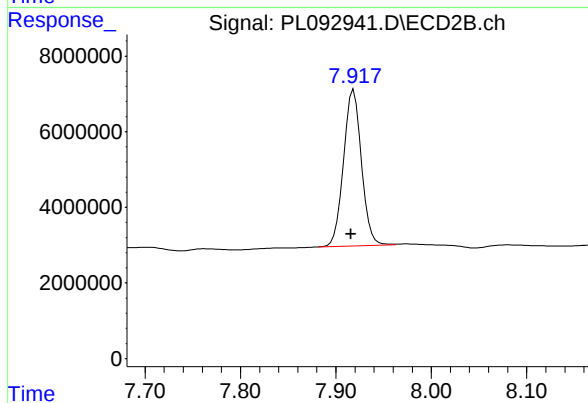
## #1 Tetrachloro-m-xylene

R.T.: 2.779 min  
Delta R.T.: 0.000 min  
Response: 58859641  
Conc: 21.63 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: 0.009 min  
Response: 39943305  
Conc: 20.75 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.918 min  
Delta R.T.: 0.003 min  
Response: 53994439  
Conc: 19.78 ng/ml

## Report of Analysis

|                    |                              |                    |                |
|--------------------|------------------------------|--------------------|----------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 11/11/24       |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:     | 11/11/24       |
| Client Sample ID:  | PIBLK-PL092959.D             | SDG No.:           | P4718          |
| Lab Sample ID:     | I.BLK-PL092959.D             | Matrix:            | TCLP           |
| Analytical Method: | SW8081                       | % Solid:           | 0              |
| Sample Wt/Vol:     | 1000 Units: mL               | Decanted:          |                |
| Soil Aliquot Vol:  | uL                           | Final Vol:         | 10000 uL       |
| Extraction Type:   |                              | Test:              | TCLP Pesticide |
| GPC Factor :       | 1.0                          | Injection Volume : |                |
| Prep Method :      | 3510C                        |                    |                |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092959.D        | 1         |           | 11/11/24      | PL111124      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 57-74-9           | Chlordane            | 0.082  | U         | 0.082               | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.2   |           | 30 (43) - 150 (140) | 111%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.1   |           | 30 (77) - 150 (126) | 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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
 Data File : PL092959.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 16:35  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 I.BLK

**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 11/12/2024  
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 00:01:38 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.549 | 2.778 | 54077736 | 58480256 | 22.070  | 21.491 |
| 28) SA Decachlor...         | 9.070 | 7.923 | 42411060 | 60502925 | 22.037m | 22.168 |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092959.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 16:35  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

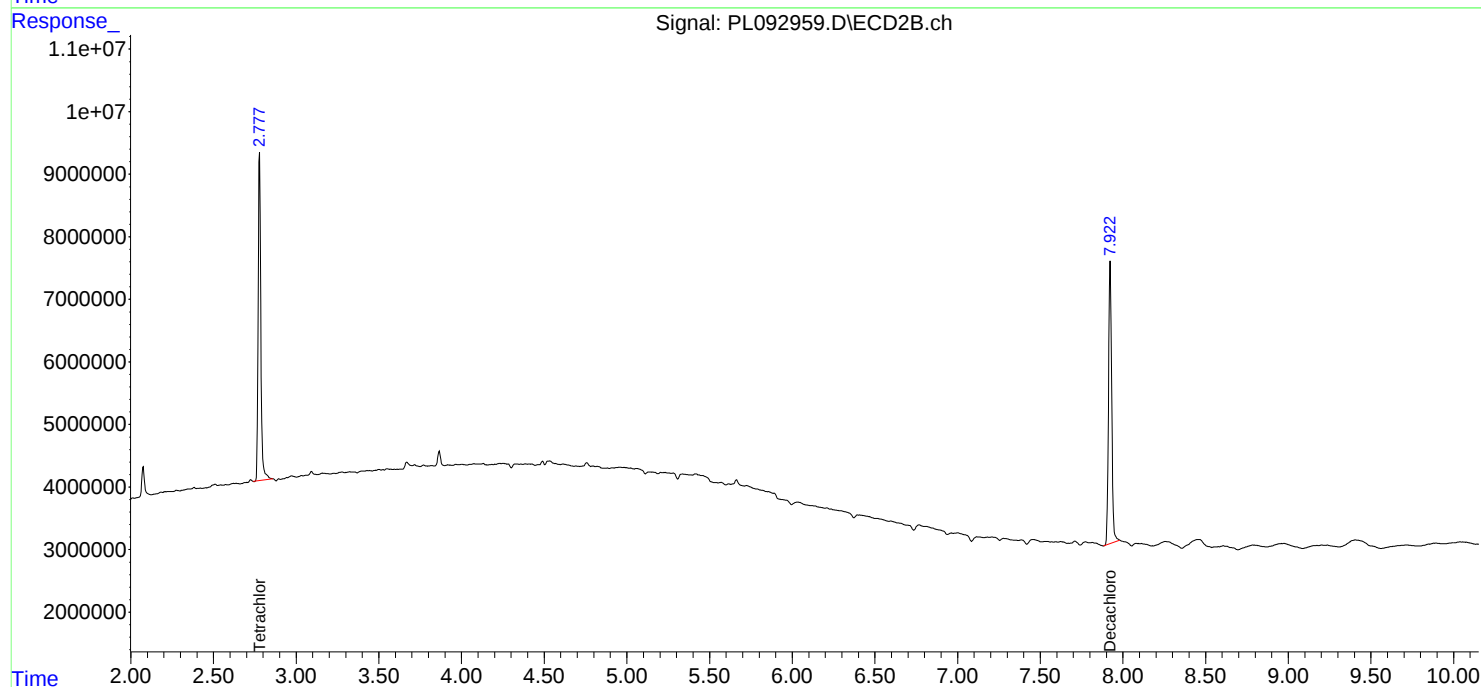
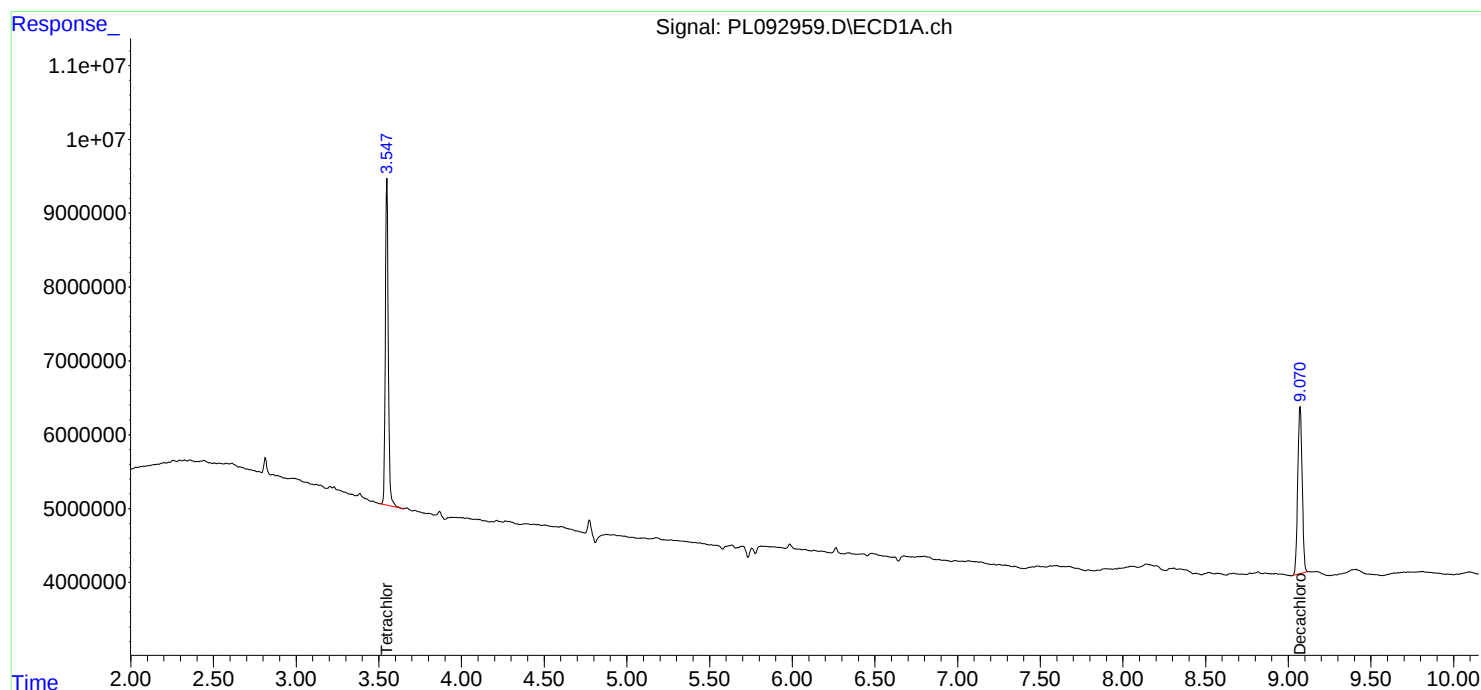
Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

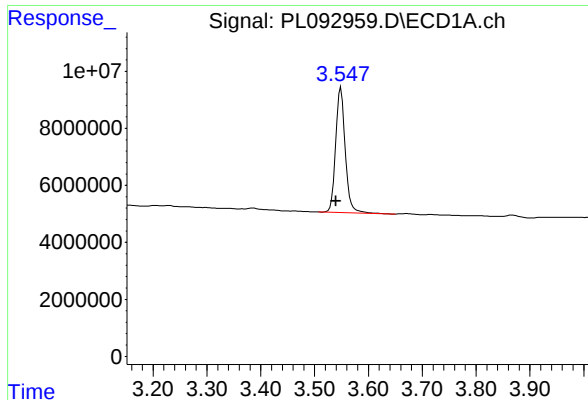
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 11/12/2024  
Supervised By : Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:01:38 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





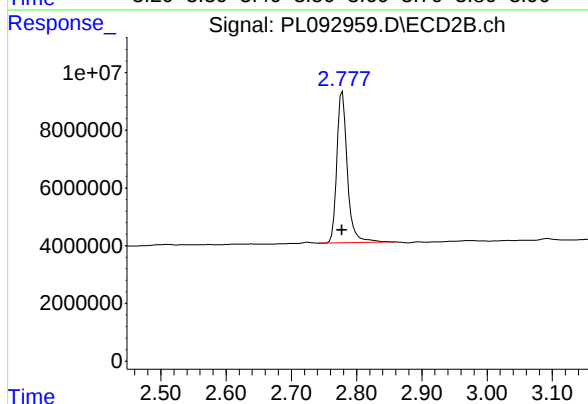
## #1 Tetrachloro-m-xylene

R.T.: 3.549 min  
Delta R.T.: 0.009 min  
Response: 54077736  
Conc: 22.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

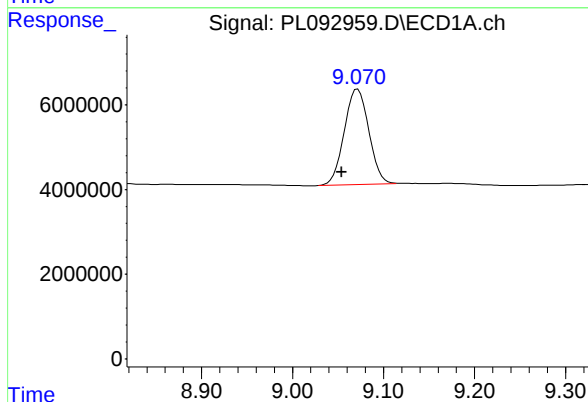
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



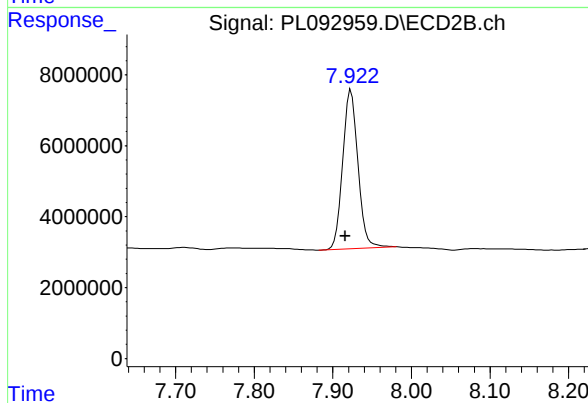
## #1 Tetrachloro-m-xylene

R.T.: 2.778 min  
Delta R.T.: 0.000 min  
Response: 58480256  
Conc: 21.49 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.070 min  
Delta R.T.: 0.016 min  
Response: 42411060  
Conc: 22.04 ng/ml m



## #28 Decachlorobiphenyl

R.T.: 7.923 min  
Delta R.T.: 0.008 min  
Response: 60502925  
Conc: 22.17 ng/ml

## Report of Analysis

|                    |                              |                    |                |
|--------------------|------------------------------|--------------------|----------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 11/11/24       |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:     | 11/11/24       |
| Client Sample ID:  | PIBLK-PL092971.D             | SDG No.:           | P4718          |
| Lab Sample ID:     | I.BLK-PL092971.D             | Matrix:            | TCLP           |
| Analytical Method: | SW8081                       | % Solid:           | 0              |
| Sample Wt/Vol:     | 1000                         | Units:             | mL             |
| Soil Aliquot Vol:  |                              |                    | uL             |
| Extraction Type:   |                              | Test:              | TCLP Pesticide |
| GPC Factor :       | 1.0                          | PH :               |                |
| Prep Method :      | 3510C                        | Decanted:          |                |
|                    |                              | Final Vol:         | 10000          |
|                    |                              | Injection Volume : |                |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092971.D        | 1         |           | 11/11/24      | PL111124      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 57-74-9           | Chlordane            | 0.082  | U         | 0.082               | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.6   |           | 30 (43) - 150 (140) | 108%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.7   |           | 30 (77) - 150 (126) | 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 &gt;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\_L\Data\PL111124\  
 Data File : PL092971.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 19:46  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 00:25:05 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.778 | 55717240 | 58763923 | 22.740 | 21.595 |
| 28) SA Decachlor...         | 9.062 | 7.919 | 41647412 | 56172185 | 21.640 | 20.582 |

Target Compounds

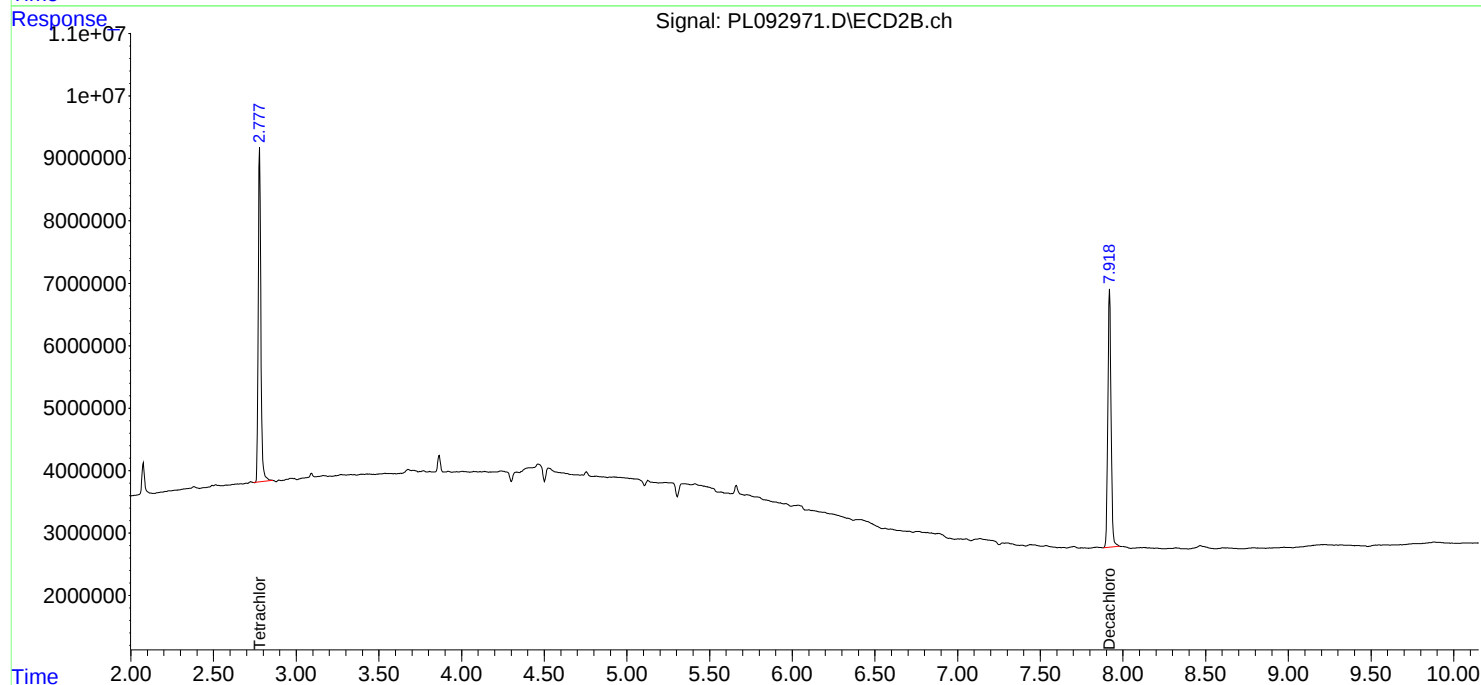
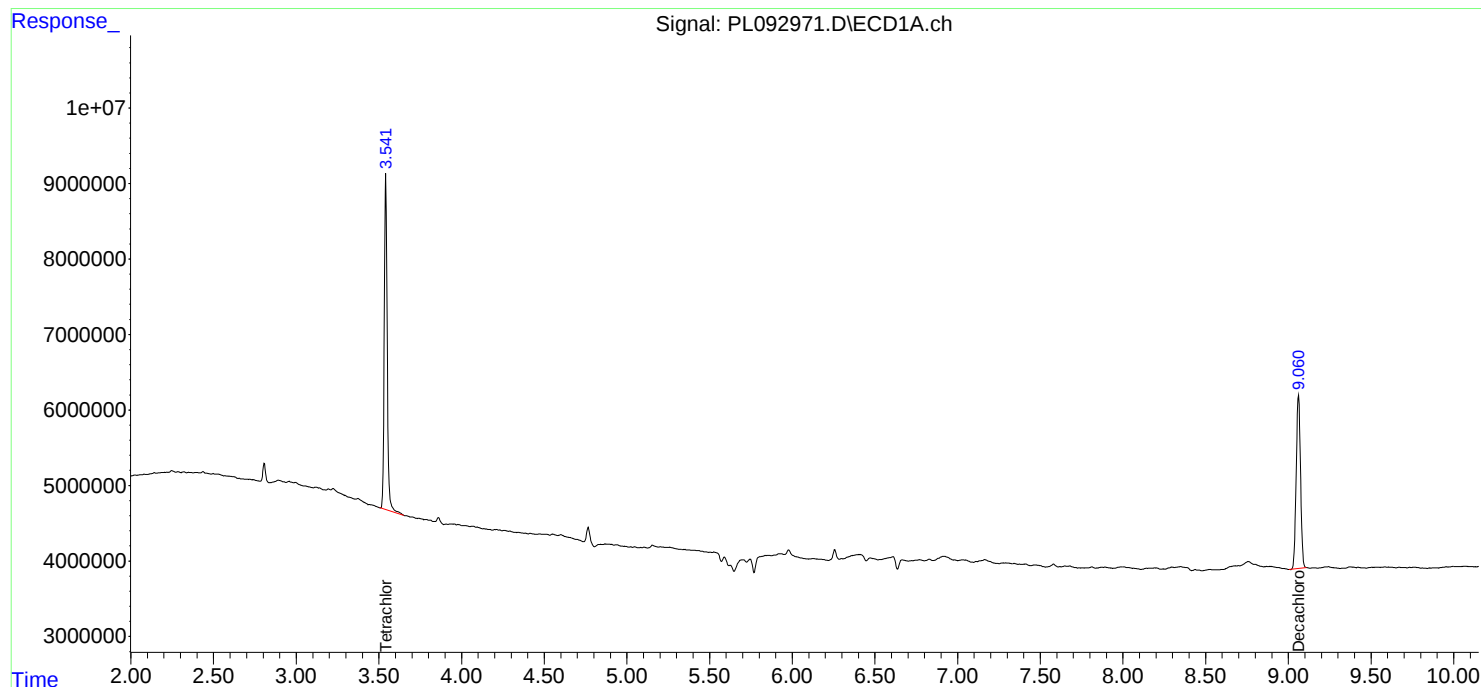
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

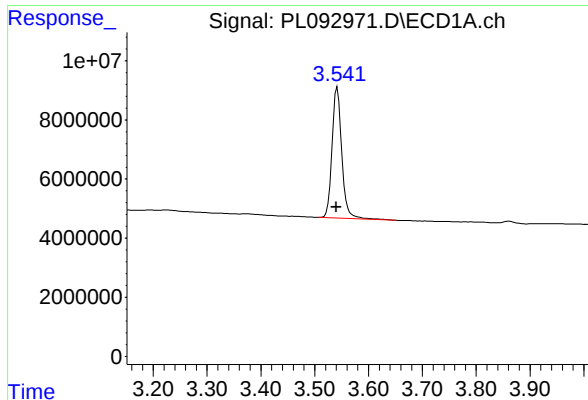
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092971.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 19:46  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:25:05 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

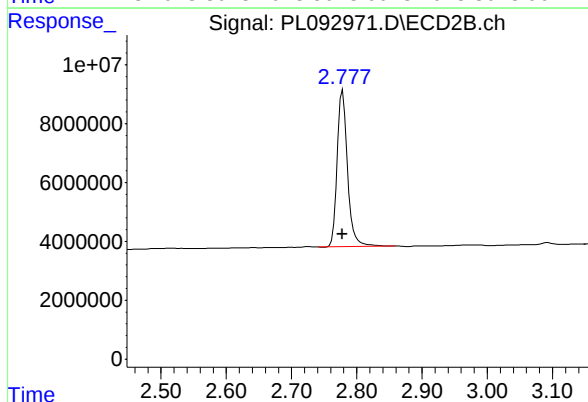




## #1 Tetrachloro-m-xylene

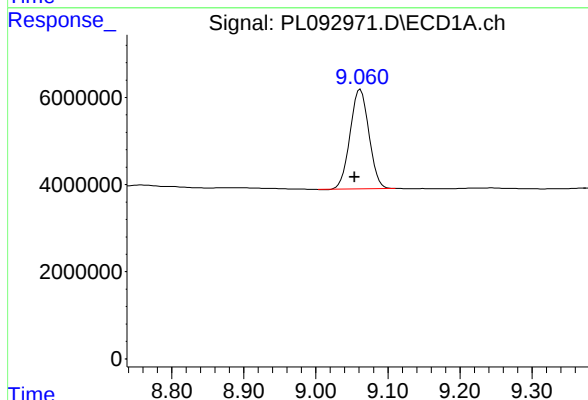
R.T.: 3.542 min  
Delta R.T.: 0.002 min  
Response: 55717240  
Conc: 22.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



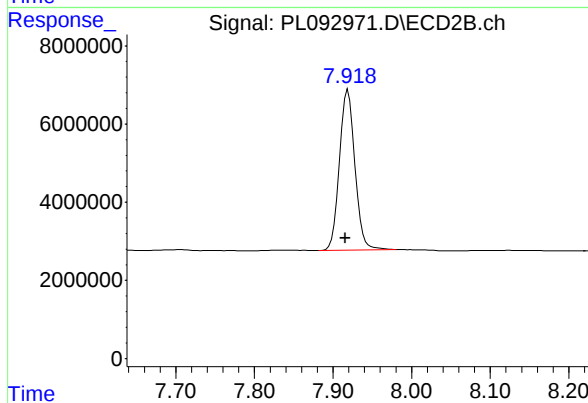
## #1 Tetrachloro-m-xylene

R.T.: 2.778 min  
Delta R.T.: 0.000 min  
Response: 58763923  
Conc: 21.60 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: 0.008 min  
Response: 41647412  
Conc: 21.64 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.919 min  
Delta R.T.: 0.003 min  
Response: 56172185  
Conc: 20.58 ng/ml

## Report of Analysis

|                    |                              |                    |                |
|--------------------|------------------------------|--------------------|----------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 11/12/24       |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:     | 11/12/24       |
| Client Sample ID:  | PIBLK-PL092992.D             | SDG No.:           | P4718          |
| Lab Sample ID:     | I.BLK-PL092992.D             | Matrix:            | TCLP           |
| Analytical Method: | SW8081                       | % Solid:           | 0              |
| Sample Wt/Vol:     | 1000                         | Units:             | mL             |
| Soil Aliquot Vol:  |                              |                    | uL             |
| Extraction Type:   |                              | Decanted:          |                |
| GPC Factor :       | 1.0                          | Final Vol:         | 10000          |
| PH :               |                              | Test:              | TCLP Pesticide |
| Prep Method :      | 3510C                        | Injection Volume : |                |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092992.D        | 1         |           | 11/12/24      | PL111124      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 57-74-9           | Chlordane            | 0.082  | U         | 0.082               | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.2   |           | 30 (43) - 150 (140) | 111%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.8   |           | 30 (77) - 150 (126) | 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 &gt;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\_L\Data\PL111124\  
Data File : PL092992.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 Nov 2024 00:52  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 11:52:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.542 | 2.778 | 55772295 | 60460309 | 22.762 | 22.219 |
| 28) SA Decachlor...         | 9.062 | 7.919 | 42781954 | 59401659 | 22.230 | 21.765 |

Target Compounds

-----

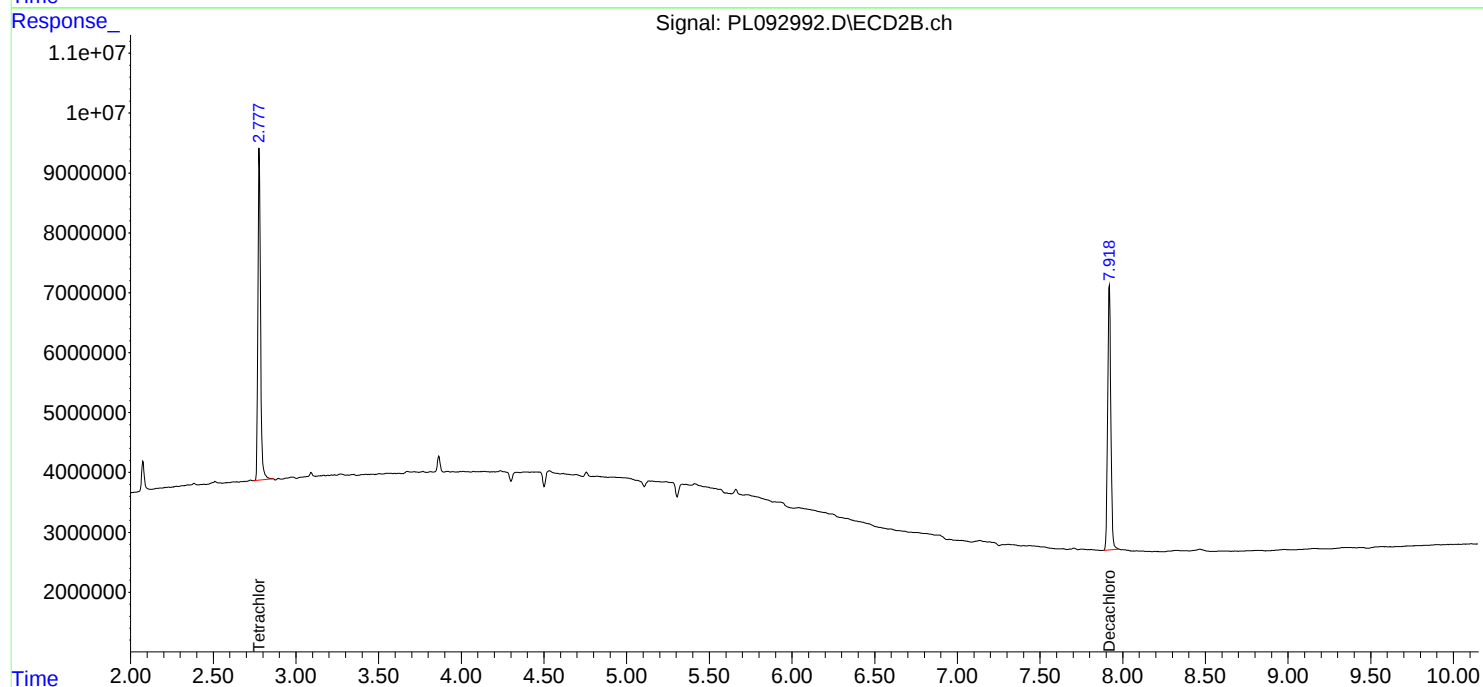
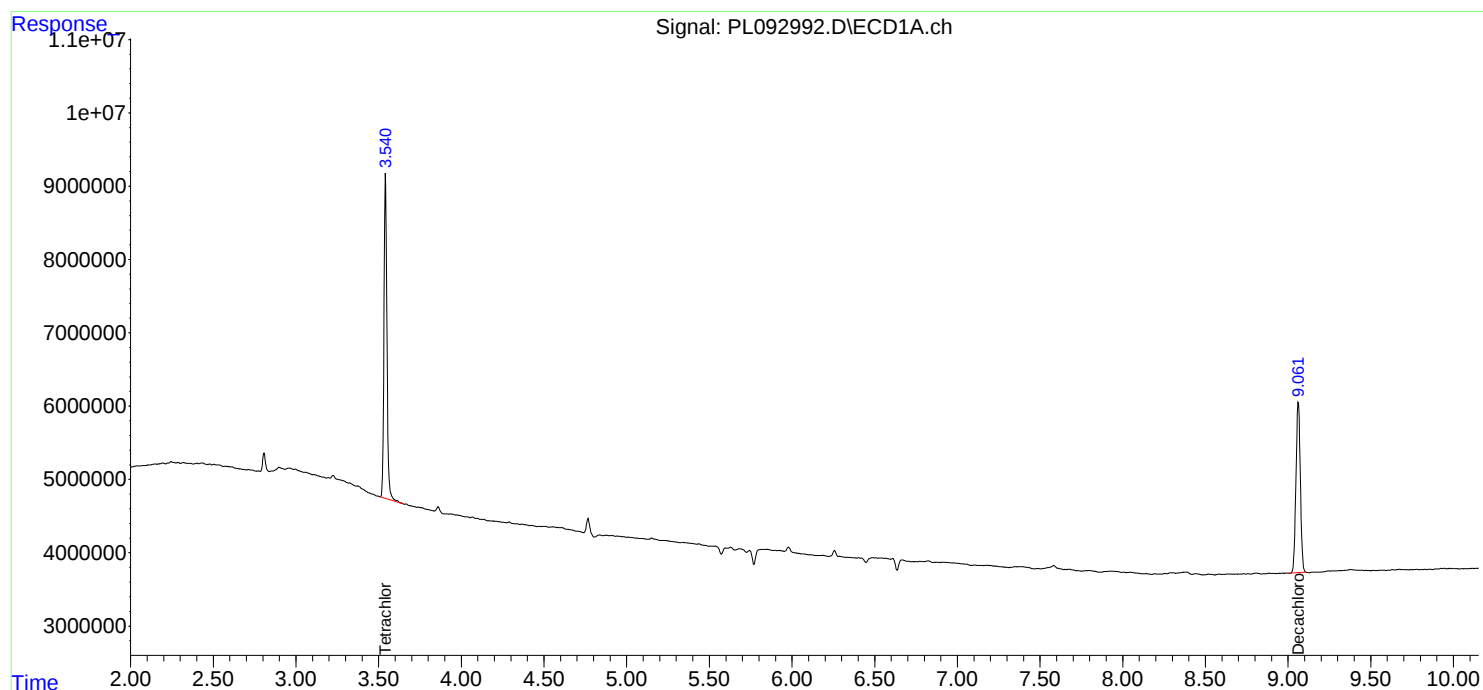
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

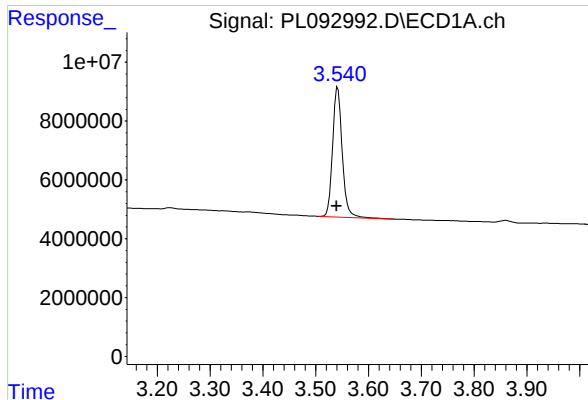
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092992.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 Nov 2024 00:52  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 11:52:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

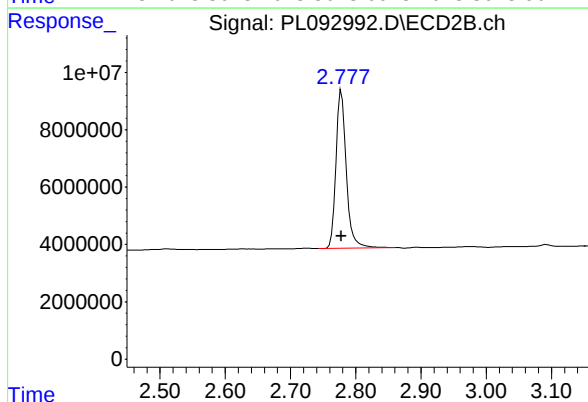




## #1 Tetrachloro-m-xylene

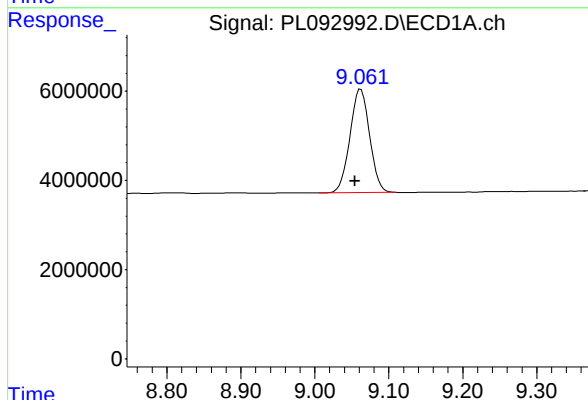
R.T.: 3.542 min  
Delta R.T.: 0.002 min  
Response: 55772295  
Conc: 22.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



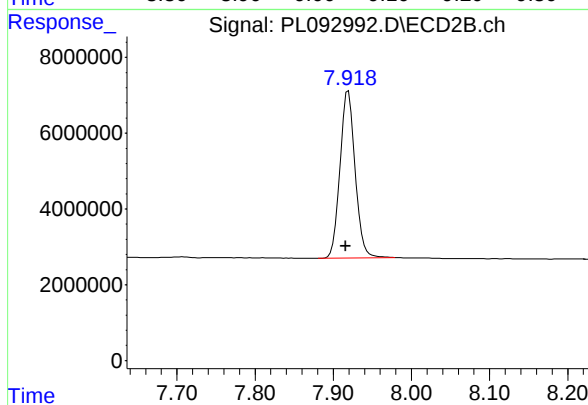
## #1 Tetrachloro-m-xylene

R.T.: 2.778 min  
Delta R.T.: 0.000 min  
Response: 60460309  
Conc: 22.22 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: 0.008 min  
Response: 42781954  
Conc: 22.23 ng/ml



## #28 Decachlorobiphenyl

R.T.: 7.919 min  
Delta R.T.: 0.004 min  
Response: 59401659  
Conc: 21.76 ng/ml

## Report of Analysis

|                    |                              |                    |                  |
|--------------------|------------------------------|--------------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    |                  |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:     |                  |
| Client Sample ID:  | PB164849BS                   | SDG No.:           | P4718            |
| Lab Sample ID:     | PB164849BS                   | Matrix:            | TCLP             |
| Analytical Method: | SW8081                       | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                           | Test:              | TCLP Pesticide   |
| Extraction Type:   |                              | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :                |                    |                  |
| Prep Method :      | 3510C                        |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092945.D        | 1         | 11/10/24 08:44 | 11/11/24 12:26 | PB164849      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 0.51  |           | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.53  |           | 0.0054              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.53  |           | 0.0090              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.53  |           | 0.0043              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.50  |           | 0.011               | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15  | U         | 0.15                | 1.00       | ug/L    |
| 57-74-9           | Chlordane            | 0.082 | U         | 0.082               | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 19.3  |           | 30 (43) - 150 (140) | 96%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.1  |           | 30 (77) - 150 (126) | 95%        | 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 &gt;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\_L\Data\PL111124\  
 Data File : PL092945.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 12:26  
 Operator : AR\AJ  
 Sample : PB164849BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB164849BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:47:50 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.542 | 2.779 | 46784682 | 48717111 | 19.094 | 17.903 |
| 28)                         | SA Decachlor... | 9.061 | 7.919 | 37131410 | 51516098 | 19.294 | 18.876 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.998 | 3.282 | 165.0E6  | 204.8E6  | 48.649 | 51.335 |
| 3)                          | MA gamma-BHC... | 4.331 | 3.612 | 156.1E6  | 196.3E6  | 47.903 | 50.865 |
| 4)                          | MA Heptachlor   | 4.920 | 3.951 | 147.1E6  | 199.4E6  | 48.999 | 52.837 |
| 5)                          | MB Aldrin       | 5.262 | 4.230 | 141.7E6  | 189.4E6  | 47.217 | 51.742 |
| 6)                          | B beta-BHC      | 4.529 | 3.911 | 71993709 | 86977955 | 49.807 | 52.834 |
| 7)                          | B delta-BHC     | 4.776 | 4.140 | 137.6E6  | 174.6E6  | 43.977 | 45.430 |
| 8)                          | B Heptachlo...  | 5.688 | 4.733 | 132.4E6  | 178.1E6  | 47.958 | 53.312 |
| 9)                          | A Endosulfan I  | 6.074 | 5.103 | 122.4E6  | 165.1E6  | 48.913 | 54.084 |
| 10)                         | B gamma-Chl...  | 5.944 | 4.984 | 132.5E6  | 185.1E6  | 49.818 | 55.076 |
| 11)                         | B alpha-Chl...  | 6.023 | 5.047 | 131.0E6  | 182.2E6  | 49.478 | 54.768 |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.236 | 118.2E6  | 178.1E6  | 49.871 | 55.276 |
| 13)                         | MA Dieldrin     | 6.349 | 5.367 | 128.8E6  | 182.7E6  | 48.854 | 54.689 |
| 14)                         | MA Endrin       | 6.579 | 5.643 | 100.0E6  | 153.2E6  | 43.930 | 52.939 |
| 15)                         | B Endosulfa...  | 6.799 | 5.938 | 113.1E6  | 161.0E6  | 47.456 | 56.819 |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.792 | 98938720 | 145.2E6  | 51.543 | 58.302 |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.042 | 100.6E6  | 142.9E6  | 48.627 | 53.294 |
| 18)                         | B Endrin al...  | 6.929 | 6.118 | 90445453 | 123.6E6  | 48.161 | 53.587 |
| 19)                         | B Endosulfa...  | 7.163 | 6.340 | 103.4E6  | 146.1E6  | 47.626 | 54.184 |
| 20)                         | A Methoxychlor  | 7.505 | 6.617 | 52385600 | 71485421 | 45.952 | 50.059 |
| 21)                         | B Endrin ke...  | 7.648 | 6.846 | 118.2E6  | 169.5E6  | 48.767 | 55.234 |
| 22)                         | Mirex           | 8.122 | 7.027 | 81987498 | 117.7E6  | 41.372 | 45.094 |
| -----                       |                 |       |       |          |          |        |        |

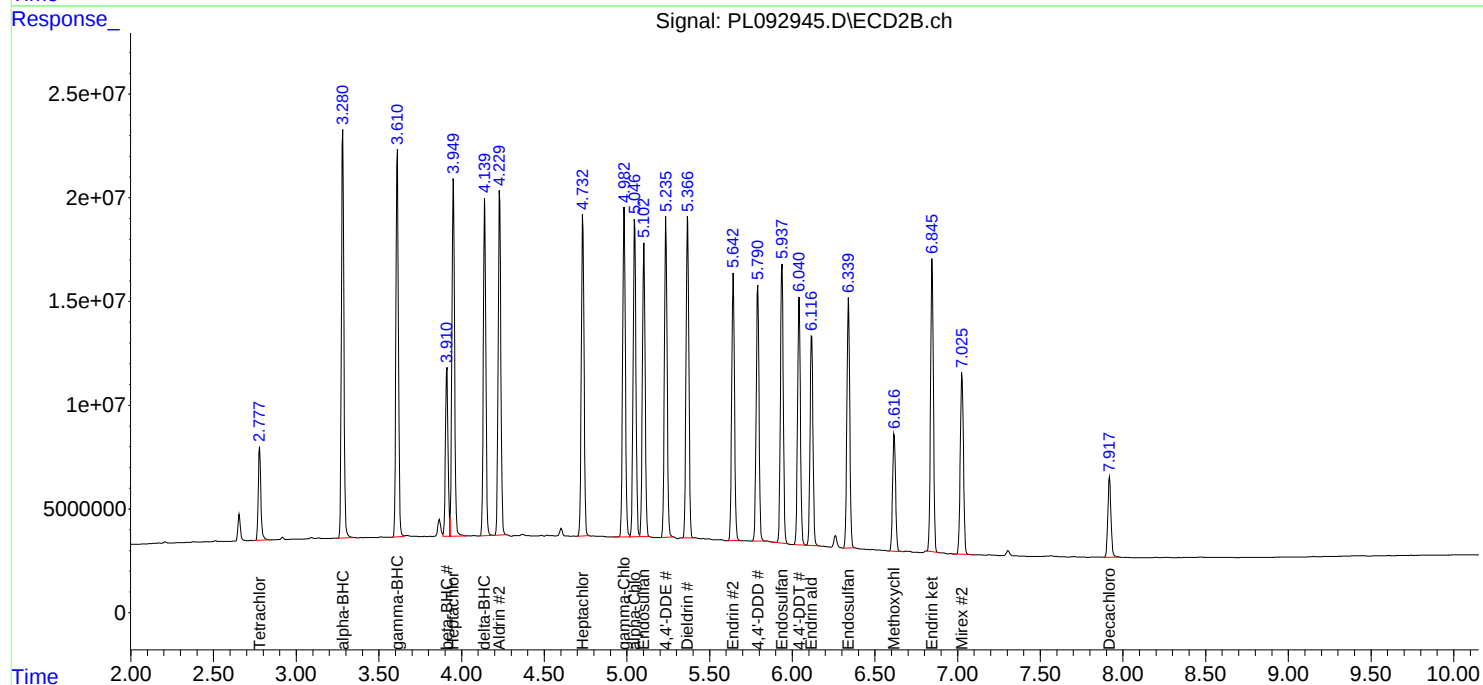
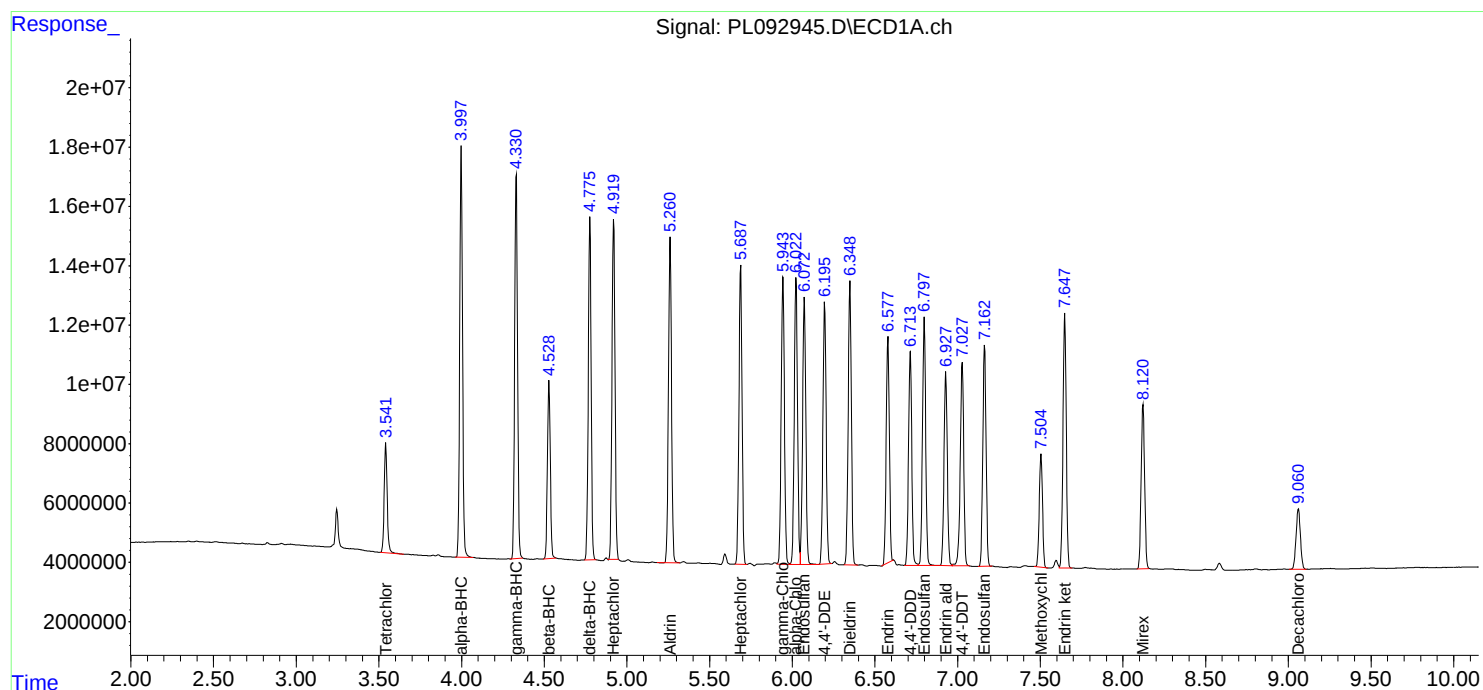
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092945.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:26  
Operator : AR\AJ  
Sample : PB164849BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB164849BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:47:50 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



## Report of Analysis

|                    |                              |           |                    |                |           |
|--------------------|------------------------------|-----------|--------------------|----------------|-----------|
| Client:            | Portal Partners Tri-Venture  |           | Date Collected:    | 11/04/24       |           |
| Project:           | Amtrak Sawtooth Bridges 2024 |           | Date Received:     | 11/05/24       |           |
| Client Sample ID:  | WB-307-SB02MS                |           | SDG No.:           | P4718          |           |
| Lab Sample ID:     | P4718-03MS                   |           | Matrix:            | TCLP           |           |
| Analytical Method: | SW8081                       |           | % Solid:           | 0              | Decanted: |
| Sample Wt/Vol:     | 100                          | Units: mL | Final Vol:         | 10000          | uL        |
| Soil Aliquot Vol:  |                              | uL        | Test:              | TCLP Pesticide |           |
| Extraction Type:   |                              |           | Injection Volume : |                |           |
| GPC Factor :       | 1.0                          | PH :      |                    |                |           |
| Prep Method :      | 3510C                        |           |                    |                |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092984.D        | 1         | 11/10/24 08:44 | 11/11/24 23:01 | PB164849      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 4.90  |           | 0.049               | 0.50       | ug/L    |
| 76-44-8           | Heptachlor           | 5.40  |           | 0.054               | 0.50       | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 5.30  |           | 0.090               | 0.50       | ug/L    |
| 72-20-8           | Endrin               | 5.20  |           | 0.043               | 0.50       | ug/L    |
| 72-43-5           | Methoxychlor         | 4.80  |           | 0.11                | 0.50       | ug/L    |
| 8001-35-2         | Toxaphene            | 1.50  | U         | 1.50                | 10.0       | ug/L    |
| 57-74-9           | Chlordane            | 0.82  | U         | 0.82                | 5.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 14.1  |           | 30 (43) - 150 (140) | 71%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 24.6  |           | 30 (77) - 150 (126) | 123%       | 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 &gt;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\_L\Data\PL111124\  
 Data File : PL092984.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 23:01  
 Operator : AR\AJ  
 Sample : P4718-03MS  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

WB-307-SB02MS

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 00:38:06 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.541 | 2.778 | 60341989 | 52420795 | 24.627  | 19.264   |
| 28)                         | SA Decachlor... | 9.061 | 7.919 | 27181880 | 35823783 | 14.124  | 13.126   |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.999 | 3.281 | 150.4E6  | 190.1E6  | 44.355  | 47.641   |
| 3)                          | MA gamma-BHC... | 4.330 | 3.611 | 149.7E6  | 189.0E6  | 45.919m | 48.961   |
| 4)                          | MA Heptachlor   | 4.920 | 3.950 | 150.3E6  | 204.2E6  | 50.050  | 54.106   |
| 5)                          | MB Aldrin       | 5.262 | 4.230 | 142.8E6  | 190.9E6  | 47.588  | 52.153   |
| 6)                          | B beta-BHC      | 4.529 | 3.911 | 73583080 | 90555823 | 50.906  | 55.007   |
| 7)                          | B delta-BHC     | 4.774 | 4.140 | 57772922 | 42056610 | 18.459  | 10.943 # |
| 8)                          | B Heptachlo...  | 5.688 | 4.733 | 131.2E6  | 175.4E6  | 47.494  | 52.506   |
| 9)                          | A Endosulfan I  | 6.074 | 5.103 | 119.5E6  | 165.6E6  | 47.773  | 54.247   |
| 10)                         | B gamma-Chl...  | 5.944 | 4.983 | 130.4E6  | 185.4E6  | 49.024  | 55.148   |
| 11)                         | B alpha-Chl...  | 6.024 | 5.047 | 128.9E6  | 181.1E6  | 48.681  | 54.452   |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.236 | 120.0E6  | 182.4E6  | 50.665  | 56.607   |
| 13)                         | MA Dieldrin     | 6.349 | 5.368 | 126.0E6  | 179.2E6  | 47.821  | 53.633   |
| 14)                         | MA Endrin       | 6.579 | 5.643 | 99816511 | 150.2E6  | 43.843  | 51.929   |
| 15)                         | B Endosulfa...  | 6.798 | 5.938 | 109.0E6  | 154.5E6  | 45.718  | 54.527   |
| 16)                         | A 4,4'-DDD      | 6.714 | 5.791 | 96626123 | 141.0E6  | 50.339  | 56.643   |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.042 | 96757553 | 132.7E6  | 46.748  | 49.463   |
| 18)                         | B Endrin al...  | 6.929 | 6.117 | 81159209 | 109.2E6  | 43.216  | 47.349   |
| 19)                         | B Endosulfa...  | 7.163 | 6.340 | 81644500 | 110.9E6  | 37.618  | 41.110   |
| 20)                         | A Methoxychlor  | 7.505 | 6.617 | 51002961 | 68150722 | 44.739  | 47.724   |
| 21)                         | B Endrin ke...  | 7.648 | 6.846 | 111.0E6  | 158.1E6  | 45.825  | 51.506   |
| 22)                         | Mirex           | 8.122 | 7.027 | 83867601 | 116.5E6  | 42.321  | 44.637   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092984.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 23:01  
Operator : AR\AJ  
Sample : P4718-03MS  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

WB-307-SB02MS

## Manual Integrations

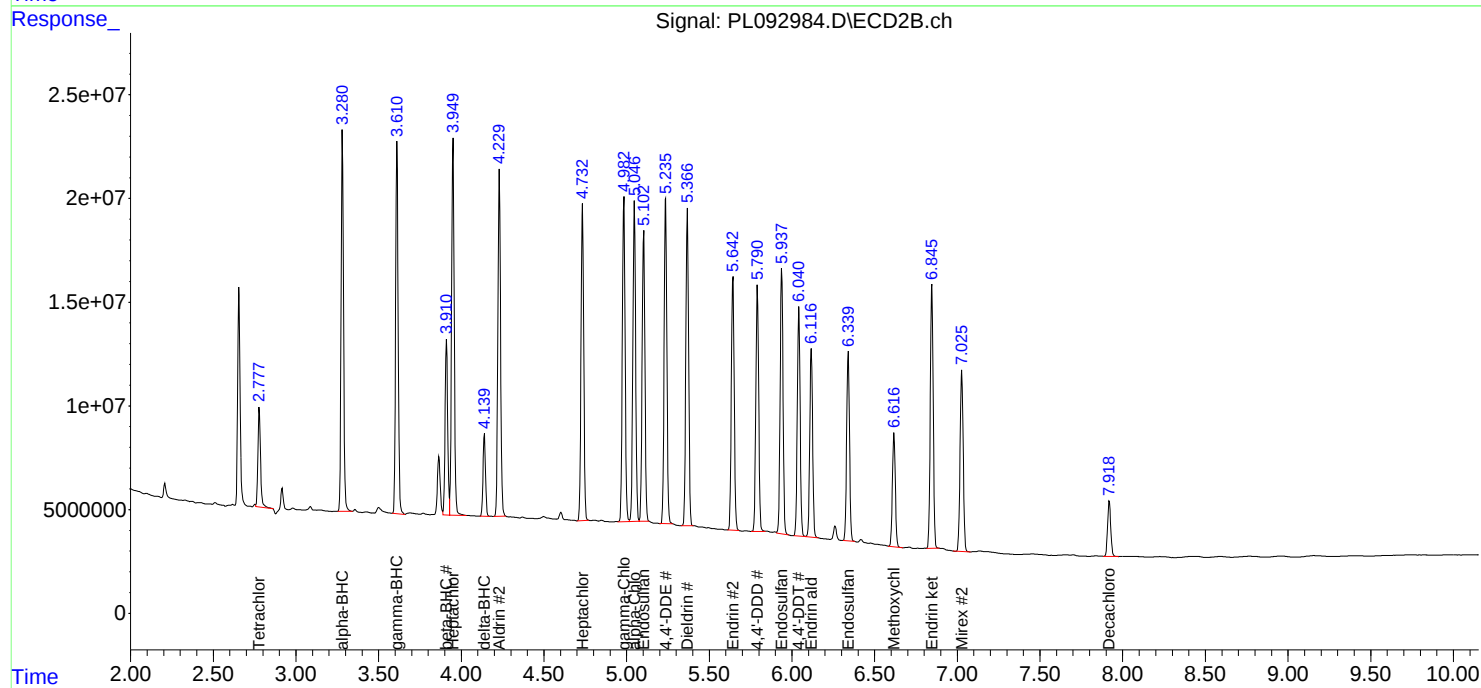
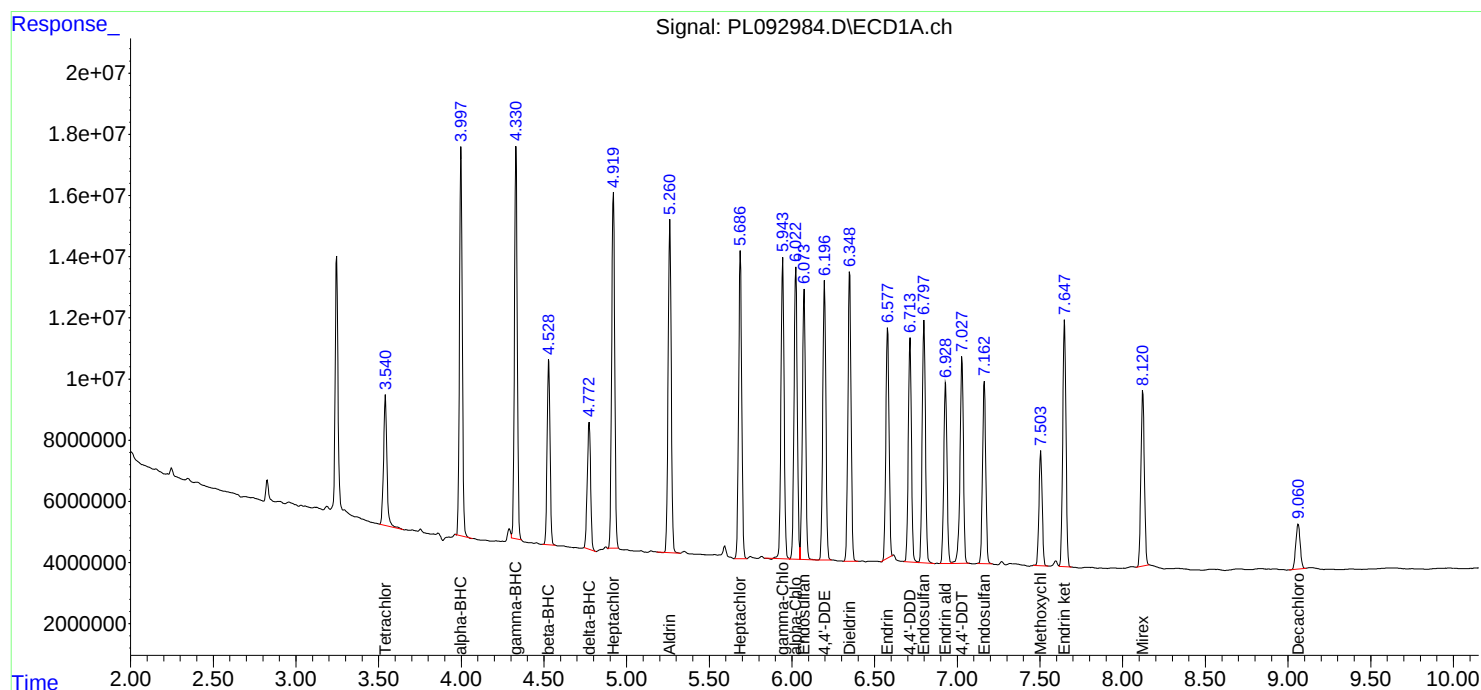
## APPROVED

Reviewed By :Abdul Mirza 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:38:06 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



## Report of Analysis

|                    |                              |                    |                |
|--------------------|------------------------------|--------------------|----------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 11/04/24       |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:     | 11/05/24       |
| Client Sample ID:  | WB-307-SB02MSD               | SDG No.:           | P4718          |
| Lab Sample ID:     | P4718-03MSD                  | Matrix:            | TCLP           |
| Analytical Method: | SW8081                       | % Solid:           | 0              |
| Sample Wt/Vol:     | 100                          | Units:             | mL             |
| Soil Aliquot Vol:  |                              |                    | uL             |
| Extraction Type:   |                              | Test:              | TCLP Pesticide |
| GPC Factor :       | 1.0                          | PH :               |                |
| Prep Method :      | 3510C                        | Injection Volume : |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092985.D        | 1         | 11/10/24 08:44 | 11/11/24 23:14 | PB164849      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 58-89-9           | gamma-BHC (Lindane)  | 4.90  |           | 0.049               | 0.50       | ug/L    |
| 76-44-8           | Heptachlor           | 5.50  |           | 0.054               | 0.50       | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 5.30  |           | 0.090               | 0.50       | ug/L    |
| 72-20-8           | Endrin               | 5.40  |           | 0.043               | 0.50       | ug/L    |
| 72-43-5           | Methoxychlor         | 4.80  |           | 0.11                | 0.50       | ug/L    |
| 8001-35-2         | Toxaphene            | 1.50  | U         | 1.50                | 10.0       | ug/L    |
| 57-74-9           | Chlordane            | 0.82  | U         | 0.82                | 5.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 14.4  |           | 30 (43) - 150 (140) | 72%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 24.6  |           | 30 (77) - 150 (126) | 123%       | 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 &gt;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\_L\Data\PL111124\  
 Data File : PL092985.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 23:14  
 Operator : AR\AJ  
 Sample : P4718-03MSD  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 WB-307-SB02MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 11/12/2024  
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 00:39:32 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.542 | 2.779 | 60361310 | 52621776 | 24.635  | 19.338   |
| 28) SA Decachlor...         | 9.062 | 7.919 | 27740748 | 36101437 | 14.414  | 13.228   |
| Target Compounds            |       |       |          |          |         |          |
| 2) A alpha-BHC              | 3.998 | 3.281 | 152.0E6  | 191.5E6  | 44.832  | 47.993   |
| 3) MA gamma-BHC...          | 4.330 | 3.611 | 148.6E6  | 190.7E6  | 45.578m | 49.407   |
| 4) MA Heptachlor            | 4.920 | 3.950 | 150.3E6  | 206.7E6  | 50.042  | 54.763   |
| 5) MB Aldrin                | 5.262 | 4.230 | 143.1E6  | 193.8E6  | 47.665  | 52.941   |
| 6) B beta-BHC               | 4.529 | 3.911 | 73467707 | 91675632 | 50.826  | 55.688   |
| 7) B delta-BHC              | 4.774 | 4.140 | 61680107 | 42879201 | 19.707  | 11.157 # |
| 8) B Heptachlo...           | 5.688 | 4.733 | 131.9E6  | 178.3E6  | 47.781  | 53.355   |
| 9) A Endosulfan I           | 6.074 | 5.104 | 122.0E6  | 166.9E6  | 48.775  | 54.674   |
| 10) B gamma-Chl...          | 5.944 | 4.983 | 135.2E6  | 188.1E6  | 50.821  | 55.958   |
| 11) B alpha-Chl...          | 6.023 | 5.047 | 132.0E6  | 183.8E6  | 49.859  | 55.263   |
| 12) B 4,4'-DDE              | 6.197 | 5.236 | 120.2E6  | 184.1E6  | 50.728  | 57.158   |
| 13) MA Dieldrin             | 6.349 | 5.368 | 128.3E6  | 183.6E6  | 48.681  | 54.956   |
| 14) MA Endrin               | 6.578 | 5.643 | 101.6E6  | 155.0E6  | 44.637  | 53.570   |
| 15) B Endosulfa...          | 6.798 | 5.938 | 111.4E6  | 154.8E6  | 46.742  | 54.651   |
| 16) A 4,4'-DDD              | 6.714 | 5.791 | 97012418 | 142.4E6  | 50.540  | 57.185   |
| 17) MA 4,4'-DDT             | 7.028 | 6.042 | 98554036 | 133.9E6  | 47.616  | 49.905   |
| 18) B Endrin al...          | 6.928 | 6.117 | 83635456 | 112.5E6  | 44.535  | 48.769   |
| 19) B Endosulfa...          | 7.163 | 6.340 | 82079944 | 114.5E6  | 37.819  | 42.451   |
| 20) A Methoxychlor          | 7.504 | 6.617 | 51423006 | 68678723 | 45.108  | 48.093   |
| 21) B Endrin ke...          | 7.648 | 6.846 | 112.7E6  | 163.3E6  | 46.532  | 53.223   |
| 22) Mirex                   | 8.122 | 7.027 | 85264905 | 120.5E6  | 43.026  | 46.204   |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111124\  
Data File : PL092985.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 23:14  
Operator : AR\AJ  
Sample : P4718-03MSD  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

WB-307-SB02MSD

## Manual Integrations

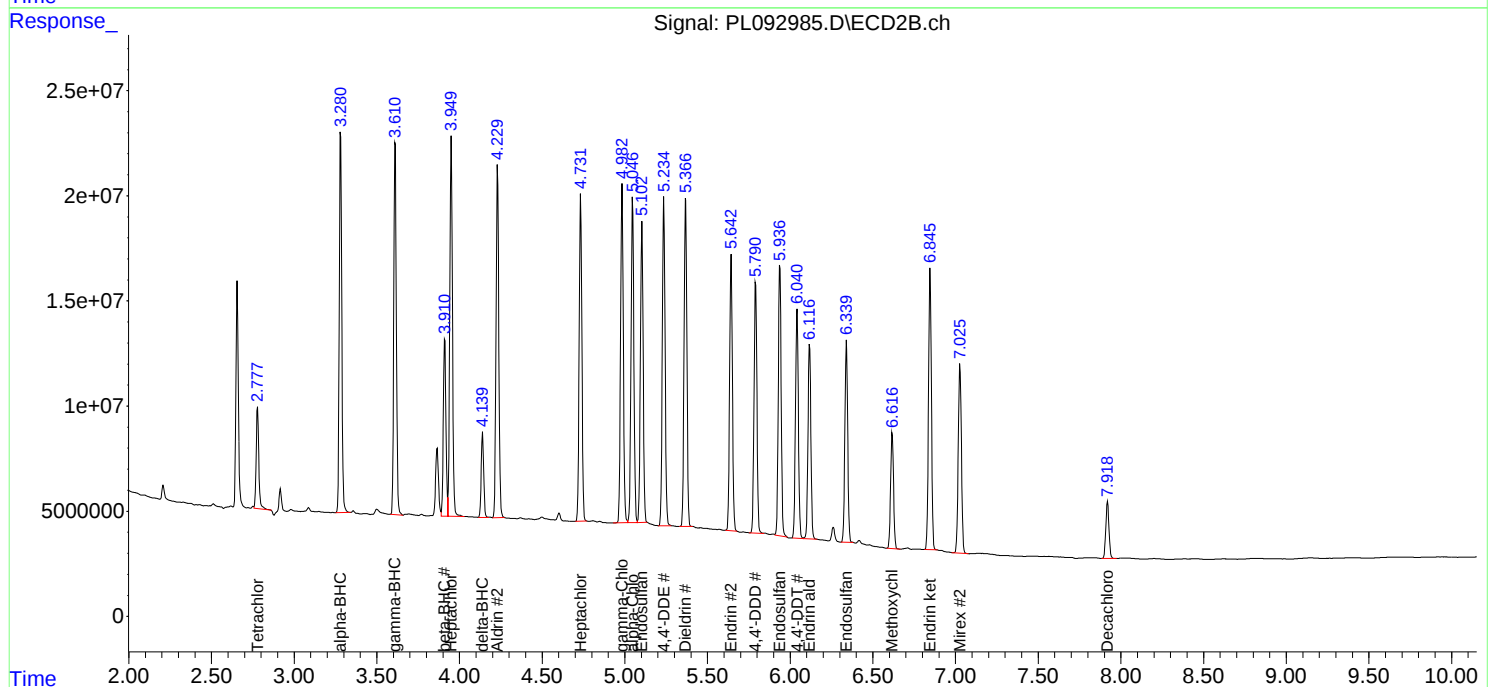
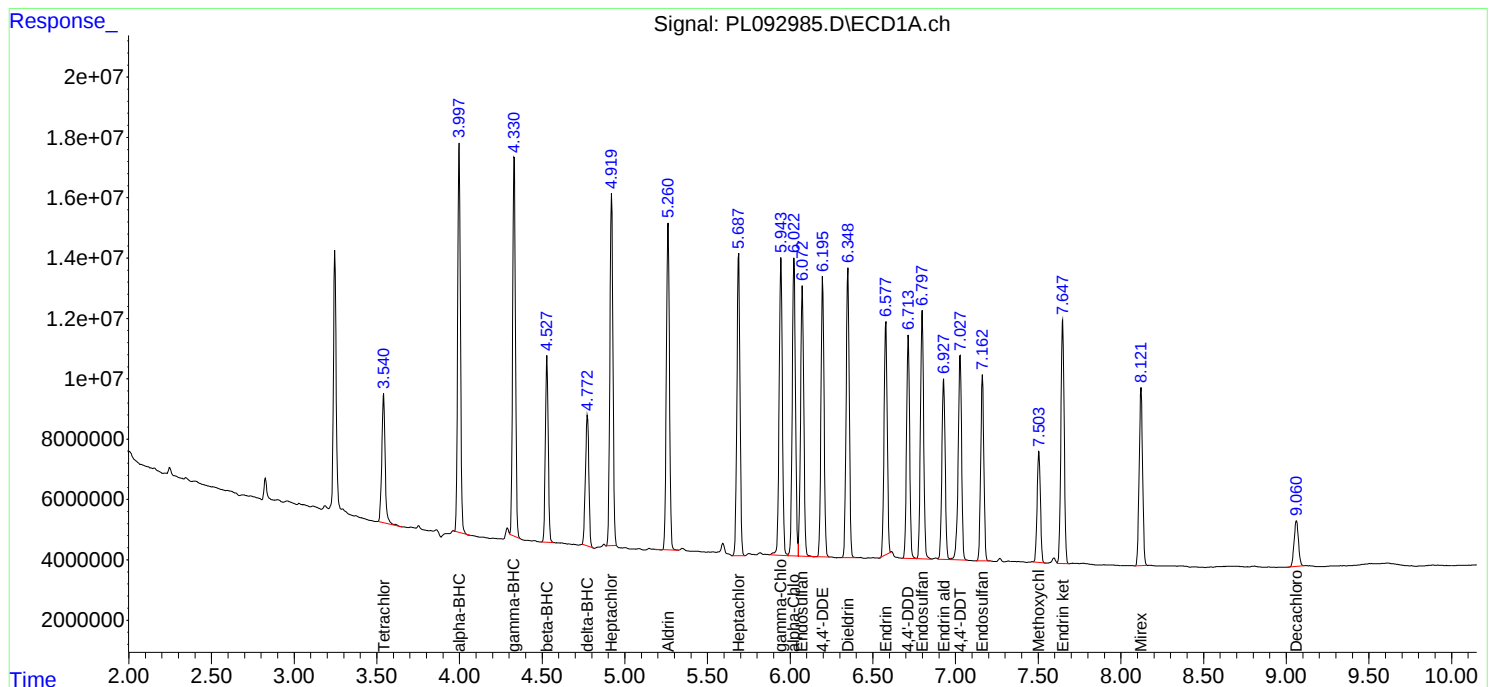
## APPROVED

Reviewed By :Abdul Mirza 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:39:32 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL102824 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter               | Review By | Review On                | Supervised By | Supervised On          | Reason                      |
|------------|------------|-------------------------|-----------|--------------------------|---------------|------------------------|-----------------------------|
| PEM        | PL092653.D | 4,4"-DDD                | Abdul     | 10/29/2024<br>9:08:09 AM | Ankita        | 10/29/2024<br>10:01:26 | Peak Integrated by Software |
| PEM        | PL092653.D | 4,4"-DDD #2             | Abdul     | 10/29/2024<br>9:08:09 AM | Ankita        | 10/29/2024<br>10:01:26 | Peak Integrated by Software |
| PSTDICC005 | PL092659.D | delta-BHC               | Abdul     | 10/29/2024<br>9:08:13 AM | Ankita        | 10/29/2024<br>10:01:28 | Peak Integrated by Software |
| PSTDICC005 | PL092659.D | Heptachlor epoxide      | Abdul     | 10/29/2024<br>9:08:13 AM | Ankita        | 10/29/2024<br>10:01:28 | Peak Integrated by Software |
| PEM        | PL092674.D | 4,4"-DDD #2             | Abdul     | 10/29/2024<br>9:08:21 AM | Ankita        | 10/29/2024<br>10:01:31 | Peak Integrated by Software |
| PEM        | PL092674.D | 4,4"-DDE                | Abdul     | 10/29/2024<br>9:08:21 AM | Ankita        | 10/29/2024<br>10:01:31 | Peak Integrated by Software |
| PEM        | PL092674.D | 4,4"-DDE #2             | Abdul     | 10/29/2024<br>9:08:21 AM | Ankita        | 10/29/2024<br>10:01:31 | Peak Integrated by Software |
| PEM        | PL092674.D | Endrin ketone #2        | Abdul     | 10/29/2024<br>9:08:21 AM | Ankita        | 10/29/2024<br>10:01:31 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | Aldrin                  | Abdul     | 10/29/2024<br>9:08:25 AM | Ankita        | 10/29/2024<br>10:01:33 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | Dieldrin #2             | Abdul     | 10/29/2024<br>9:08:25 AM | Ankita        | 10/29/2024<br>10:01:33 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | gamma-BHC (Lindane)     | Abdul     | 10/29/2024<br>9:08:25 AM | Ankita        | 10/29/2024<br>10:01:33 | Peak Integrated by Software |
| PSTDCCC050 | PL092675.D | Tetrachloro-m-xylene #2 | Abdul     | 10/29/2024<br>9:08:25 AM | Ankita        | 10/29/2024<br>10:01:33 | Peak Integrated by Software |
| I.BLK      | PL092690.D | Tetrachloro-m-xylene #2 | Abdul     | 10/29/2024<br>9:09:28 AM | Ankita        | 10/29/2024<br>10:02:09 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL102824 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On          | Reason                      |
|------------|------------|--------------------|-----------|--------------------------|---------------|------------------------|-----------------------------|
| PSTDCCC050 | PL092691.D | Endosulfan II #2   | Abdul     | 10/29/2024<br>9:09:32 AM | Ankita        | 10/29/2024<br>10:02:10 | Peak Integrated by Software |
| PSTDCCC050 | PL092691.D | gamma-Chlordane    | Abdul     | 10/29/2024<br>9:09:32 AM | Ankita        | 10/29/2024<br>10:02:10 | Peak Integrated by Software |
| PSTDCCC050 | PL092691.D | Heptachlor epoxide | Abdul     | 10/29/2024<br>9:09:32 AM | Ankita        | 10/29/2024<br>10:02:10 | Peak Integrated by Software |
| PSTDCCC050 | PL092691.D | Mirex #2           | Abdul     | 10/29/2024<br>9:09:32 AM | Ankita        | 10/29/2024<br>10:02:10 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL111124 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter           | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|---------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PEM         | PL092942.D | 4,4"-DDE            | Abdul     | 11/12/2024<br>3:41:42 PM | Ankita        | 11/12/2024<br>4:01:16 | Peak Integrated by Software |
| PEM         | PL092942.D | 4,4"-DDE #2         | Abdul     | 11/12/2024<br>3:41:42 PM | Ankita        | 11/12/2024<br>4:01:16 | Peak Integrated by Software |
| I.BLK       | PL092959.D | Decachlorobiphenyl  | Abdul     | 11/12/2024<br>3:43:06 PM | Ankita        | 11/12/2024<br>4:01:32 | Peak Integrated by Software |
| PEM         | PL092972.D | 4,4"-DDE            | Abdul     | 11/12/2024<br>3:42:37 PM | Ankita        | 11/12/2024<br>4:01:39 | Peak Integrated by Software |
| PEM         | PL092972.D | 4,4"-DDE #2         | Abdul     | 11/12/2024<br>3:42:37 PM | Ankita        | 11/12/2024<br>4:01:39 | Peak Integrated by Software |
| P4718-03MS  | PL092984.D | gamma-BHC (Lindane) | Abdul     | 11/12/2024<br>3:40:45 PM | Ankita        | 11/12/2024<br>4:01:51 | Peak Integrated by Software |
| P4718-03MSD | PL092985.D | gamma-BHC (Lindane) | Abdul     | 11/12/2024<br>3:40:49 PM | Ankita        | 11/12/2024<br>4:01:53 | Peak Integrated by Software |
| PSTDCCC050  | PL092993.D | 4,4"-DDT            | Abdul     | 11/12/2024<br>3:40:57 PM | Ankita        | 11/12/2024<br>4:01:57 | Peak Integrated by Software |
| PSTDCCC050  | PL092993.D | Heptachlor epoxide  | Abdul     | 11/12/2024<br>3:40:57 PM | Ankita        | 11/12/2024<br>4:01:57 | Peak Integrated by Software |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL102824**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 10/29/2024 9:09:59 AM              |
| Supervise By             | Ankita                                                                                  | Supervise On      | 10/29/2024 10:02:30 AM             |
| SubDirectory             | PL102824                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

| Sr# | SampleId      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PL092651.D     | 28 Oct 2024 13:41 | AR\AJ    | Ok     |
| 2   | I.BLK         | PL092652.D     | 28 Oct 2024 13:55 | AR\AJ    | Ok     |
| 3   | PEM           | PL092653.D     | 28 Oct 2024 14:16 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PL092654.D     | 28 Oct 2024 14:29 | AR\AJ    | Ok     |
| 5   | PSTDICC100    | PL092655.D     | 28 Oct 2024 14:43 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PL092656.D     | 28 Oct 2024 14:56 | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PL092657.D     | 28 Oct 2024 15:09 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PL092658.D     | 28 Oct 2024 15:23 | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PL092659.D     | 28 Oct 2024 15:36 | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PL092660.D     | 28 Oct 2024 15:49 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PL092661.D     | 28 Oct 2024 16:03 | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PL092662.D     | 28 Oct 2024 16:16 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PL092663.D     | 28 Oct 2024 16:30 | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PL092664.D     | 28 Oct 2024 16:43 | AR\AJ    | Ok     |
| 15  | PTOXICC1000   | PL092665.D     | 28 Oct 2024 16:56 | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PL092666.D     | 28 Oct 2024 17:10 | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PL092667.D     | 28 Oct 2024 17:23 | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PL092668.D     | 28 Oct 2024 17:37 | AR\AJ    | Ok     |
| 19  | PTOXICC100    | PL092669.D     | 28 Oct 2024 17:50 | AR\AJ    | Ok,M   |
| 20  | PSTDICV050    | PL092670.D     | 28 Oct 2024 18:03 | AR\AJ    | Ok     |
| 21  | PCHLORICV500  | PL092671.D     | 28 Oct 2024 18:30 | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL102824**

| Review By                | Abdul                                                                                   | Review On         | 10/29/2024 9:09:59 AM              |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 10/29/2024 10:02:30 AM             |
| SubDirectory             | PL102824                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | PTOXICV500  | PL092672.D | 28 Oct 2024 18:57 | AR\AJ | Ok   |
| 23 | I.BLK       | PL092673.D | 28 Oct 2024 19:24 | AR\AJ | Ok   |
| 24 | PEM         | PL092674.D | 28 Oct 2024 19:37 | AR\AJ | Ok,M |
| 25 | PSTDCCC050  | PL092675.D | 28 Oct 2024 19:51 | AR\AJ | Ok,M |
| 26 | PB164460BL  | PL092676.D | 28 Oct 2024 20:04 | AR\AJ | Ok,M |
| 27 | PB164460BS  | PL092677.D | 28 Oct 2024 20:17 | AR\AJ | Ok,M |
| 28 | P4575-01    | PL092678.D | 28 Oct 2024 20:31 | AR\AJ | Ok,M |
| 29 | P4566-01    | PL092679.D | 28 Oct 2024 20:44 | AR\AJ | Ok,M |
| 30 | P4567-01    | PL092680.D | 28 Oct 2024 20:57 | AR\AJ | Ok,M |
| 31 | P4567-05    | PL092681.D | 28 Oct 2024 21:11 | AR\AJ | Ok   |
| 32 | P4567-09    | PL092682.D | 28 Oct 2024 21:24 | AR\AJ | Ok,M |
| 33 | P4574-01    | PL092683.D | 28 Oct 2024 21:38 | AR\AJ | Ok,M |
| 34 | P4574-04    | PL092684.D | 28 Oct 2024 21:51 | AR\AJ | Ok,M |
| 35 | P4577-01    | PL092685.D | 28 Oct 2024 22:04 | AR\AJ | Ok,M |
| 36 | P4561-01    | PL092686.D | 28 Oct 2024 22:18 | AR\AJ | Ok,M |
| 37 | P4561-01MS  | PL092687.D | 28 Oct 2024 22:31 | AR\AJ | Ok,M |
| 38 | P4561-01MSD | PL092688.D | 28 Oct 2024 22:44 | AR\AJ | Ok,M |
| 39 | P4561-05    | PL092689.D | 28 Oct 2024 22:58 | AR\AJ | Ok,M |
| 40 | I.BLK       | PL092690.D | 28 Oct 2024 23:11 | AR\AJ | Ok,M |
| 41 | PSTDCCC050  | PL092691.D | 29 Oct 2024 00:32 | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL111124**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 11/12/2024 3:43:42 PM              |
| Supervise By             | Ankita                                                                                  | Supervise On      | 11/12/2024 4:02:24 PM              |
| SubDirectory             | PL111124                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PL092940.D     | 11 Nov 2024 09:21 | AR\AJ    | Ok     |
| 2   | I.BLK       | PL092941.D     | 11 Nov 2024 09:35 | AR\AJ    | Ok     |
| 3   | PEM         | PL092942.D     | 11 Nov 2024 09:49 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PL092943.D     | 11 Nov 2024 11:58 | AR\AJ    | Ok     |
| 5   | PB164849BL  | PL092944.D     | 11 Nov 2024 12:12 | AR\AJ    | Ok     |
| 6   | PB164849BS  | PL092945.D     | 11 Nov 2024 12:26 | AR\AJ    | Ok     |
| 7   | PB164694TB  | PL092946.D     | 11 Nov 2024 12:40 | AR\AJ    | Ok     |
| 8   | PB164793TB  | PL092947.D     | 11 Nov 2024 12:54 | AR\AJ    | Ok     |
| 9   | P4660-03MS  | PL092948.D     | 11 Nov 2024 13:08 | AR\AJ    | Ok,M   |
| 10  | P4660-03MSD | PL092949.D     | 11 Nov 2024 13:26 | AR\AJ    | Ok,M   |
| 11  | P4738-02    | PL092950.D     | 11 Nov 2024 13:40 | AR\AJ    | Ok     |
| 12  | PB164859BL  | PL092951.D     | 11 Nov 2024 13:53 | AR\AJ    | Ok     |
| 13  | PB164859BS  | PL092952.D     | 11 Nov 2024 14:07 | AR\AJ    | Ok     |
| 14  | P4793-01    | PL092953.D     | 11 Nov 2024 14:21 | AR\AJ    | Not Ok |
| 15  | P4795-01    | PL092954.D     | 11 Nov 2024 14:35 | AR\AJ    | Ok,M   |
| 16  | P4796-01    | PL092955.D     | 11 Nov 2024 14:49 | AR\AJ    | Ok,M   |
| 17  | P4796-03    | PL092956.D     | 11 Nov 2024 15:03 | AR\AJ    | Ok,M   |
| 18  | P4796-05    | PL092957.D     | 11 Nov 2024 15:16 | AR\AJ    | Ok,M   |
| 19  | P4796-07    | PL092958.D     | 11 Nov 2024 15:30 | AR\AJ    | Ok,M   |
| 20  | I.BLK       | PL092959.D     | 11 Nov 2024 16:35 | AR\AJ    | Ok,M   |
| 21  | PSTDCCC050  | PL092960.D     | 11 Nov 2024 16:49 | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL111124**

| Review By                | Abdul                                                                                   | Review On         | 11/12/2024 3:43:42 PM              |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 11/12/2024 4:02:24 PM              |
| SubDirectory             | PL111124                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |                   |       |        |
|----|-------------|------------|-------------------|-------|--------|
| 22 | PB164862BL  | PL092961.D | 11 Nov 2024 17:28 | AR\AJ | Ok     |
| 23 | PB164862BS  | PL092962.D | 11 Nov 2024 17:42 | AR\AJ | Ok     |
| 24 | PB164862BSD | PL092963.D | 11 Nov 2024 17:55 | AR\AJ | Ok     |
| 25 | P4791-02    | PL092964.D | 11 Nov 2024 18:09 | AR\AJ | Not Ok |
| 26 | P4792-04    | PL092965.D | 11 Nov 2024 18:23 | AR\AJ | Not Ok |
| 27 | P4796-07MS  | PL092966.D | 11 Nov 2024 18:37 | AR\AJ | Ok,M   |
| 28 | P4796-07MSD | PL092967.D | 11 Nov 2024 18:51 | AR\AJ | Ok,M   |
| 29 | PB164885BL  | PL092968.D | 11 Nov 2024 19:05 | AR\AJ | Ok     |
| 30 | PB164885BS  | PL092969.D | 11 Nov 2024 19:19 | AR\AJ | Ok     |
| 31 | PB164885TB  | PL092970.D | 11 Nov 2024 19:33 | AR\AJ | Ok     |
| 32 | I.BLK       | PL092971.D | 11 Nov 2024 19:46 | AR\AJ | Ok     |
| 33 | PEM         | PL092972.D | 11 Nov 2024 20:00 | AR\AJ | Ok,M   |
| 34 | PSTDCCC050  | PL092973.D | 11 Nov 2024 20:14 | AR\AJ | Ok     |
| 35 | P4722-05    | PL092974.D | 11 Nov 2024 20:42 | AR\AJ | Ok     |
| 36 | P4722-10    | PL092975.D | 11 Nov 2024 20:56 | AR\AJ | Ok     |
| 37 | P4722-15    | PL092976.D | 11 Nov 2024 21:10 | AR\AJ | Ok     |
| 38 | P4722-15MS  | PL092977.D | 11 Nov 2024 21:24 | AR\AJ | Ok,M   |
| 39 | P4722-15MSD | PL092978.D | 11 Nov 2024 21:37 | AR\AJ | Ok,M   |
| 40 | P4788-01    | PL092979.D | 11 Nov 2024 21:51 | AR\AJ | Ok,M   |
| 41 | P4789-01    | PL092980.D | 11 Nov 2024 22:05 | AR\AJ | Ok,M   |
| 42 | P4792-03    | PL092981.D | 11 Nov 2024 22:19 | AR\AJ | Ok,M   |
| 43 | P4798-01    | PL092982.D | 11 Nov 2024 22:33 | AR\AJ | Not Ok |
| 44 | P4718-03    | PL092983.D | 11 Nov 2024 22:47 | AR\AJ | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL111124**

| Review By                | Abdul                                                                                   | Review On         | 11/12/2024 3:43:42 PM              |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 11/12/2024 4:02:24 PM              |
| SubDirectory             | PL111124                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 45 | P4718-03MS  | PL092984.D | 11 Nov 2024 23:01 | AR\AJ | Ok,M |
| 46 | P4718-03MSD | PL092985.D | 11 Nov 2024 23:14 | AR\AJ | Ok,M |
| 47 | P4722-04    | PL092986.D | 11 Nov 2024 23:28 | AR\AJ | Ok   |
| 48 | P4722-09    | PL092987.D | 11 Nov 2024 23:42 | AR\AJ | Ok   |
| 49 | P4722-14    | PL092988.D | 11 Nov 2024 23:56 | AR\AJ | Ok   |
| 50 | P4732-02    | PL092989.D | 12 Nov 2024 00:10 | AR\AJ | Ok   |
| 51 | P4771-06    | PL092990.D | 12 Nov 2024 00:24 | AR\AJ | Ok,M |
| 52 | P4771-08    | PL092991.D | 12 Nov 2024 00:38 | AR\AJ | Ok   |
| 53 | I.BLK       | PL092992.D | 12 Nov 2024 00:52 | AR\AJ | Ok   |
| 54 | PSTDCCC050  | PL092993.D | 12 Nov 2024 01:06 | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL102824**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 10/29/2024 9:09:59 AM              |
| Supervise By | Ankita   | Supervise On      | 10/29/2024 10:02:30 AM             |
| SubDirectory | PL102824 | HP Acquire Method | HP Processing Method pl102824 8081 |

| STD. NAME                | STD REF.#                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------|
| Tune/Reschk              | PP23793,PP23517                                                                         |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |
| CCC                      | PP23686,PP23690,PP23695                                                                 |
| Internal Standard/PEM    |                                                                                         |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |
| Surrogate Standard       |                                                                                         |
| MS/MSD Standard          |                                                                                         |
| LCS Standard             |                                                                                         |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PL092651.D     | 28 Oct 2024 13:41 |         | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PL092652.D     | 28 Oct 2024 13:55 |         | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PL092653.D     | 28 Oct 2024 14:16 |         | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PL092654.D     | 28 Oct 2024 14:29 |         | AR\AJ    | Ok     |
| 5   | PSTDICC100    | PSTDICC100    | PL092655.D     | 28 Oct 2024 14:43 |         | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PL092656.D     | 28 Oct 2024 14:56 |         | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PSTDICC050    | PL092657.D     | 28 Oct 2024 15:09 |         | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PL092658.D     | 28 Oct 2024 15:23 |         | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PSTDICC005    | PL092659.D     | 28 Oct 2024 15:36 |         | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PL092660.D     | 28 Oct 2024 15:49 |         | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PL092661.D     | 28 Oct 2024 16:03 |         | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PCHLORICC500  | PL092662.D     | 28 Oct 2024 16:16 |         | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PL092663.D     | 28 Oct 2024 16:30 |         | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PCHLORICC050  | PL092664.D     | 28 Oct 2024 16:43 |         | AR\AJ    | Ok     |
| 15  | PTOXICC1000   | PTOXICC1000   | PL092665.D     | 28 Oct 2024 16:56 |         | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PTOXICC750    | PL092666.D     | 28 Oct 2024 17:10 |         | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PTOXICC500    | PL092667.D     | 28 Oct 2024 17:23 |         | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PTOXICC250    | PL092668.D     | 28 Oct 2024 17:37 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL102824**

| Review By                | Abdul                                                                                   | Review On         | 10/29/2024 9:09:59 AM  |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 10/29/2024 10:02:30 AM |
| SubDirectory             | PL102824                                                                                | HP Acquire Method | HP Processing Method   |
|                          |                                                                                         |                   | pl102824 8081          |
| STD. NAME                | STD REF.#                                                                               |                   |                        |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                        |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                        |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                        |
| Internal Standard/PEM    |                                                                                         |                   |                        |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                        |
| Surrogate Standard       |                                                                                         |                   |                        |
| MS/MSD Standard          |                                                                                         |                   |                        |
| LCS Standard             |                                                                                         |                   |                        |

|    |              |                  |            |                   |  |       |      |
|----|--------------|------------------|------------|-------------------|--|-------|------|
| 19 | PTOXICC100   | PTOXICC100       | PL092669.D | 28 Oct 2024 17:50 |  | AR\AJ | Ok,M |
| 20 | PSTDICV050   | ICVPL102824      | PL092670.D | 28 Oct 2024 18:03 |  | AR\AJ | Ok   |
| 21 | PCHLORICV500 | ICVPL102824CHLOR | PL092671.D | 28 Oct 2024 18:30 |  | AR\AJ | Ok   |
| 22 | PTOXICV500   | ICVPL102824TOX   | PL092672.D | 28 Oct 2024 18:57 |  | AR\AJ | Ok   |
| 23 | I.BLK        | I.BLK            | PL092673.D | 28 Oct 2024 19:24 |  | AR\AJ | Ok   |
| 24 | PEM          | PEM              | PL092674.D | 28 Oct 2024 19:37 |  | AR\AJ | Ok,M |
| 25 | PSTDCCC050   | PSTDCCC050       | PL092675.D | 28 Oct 2024 19:51 |  | AR\AJ | Ok,M |
| 26 | PB164460BL   | PB164460BL       | PL092676.D | 28 Oct 2024 20:04 |  | AR\AJ | Ok,M |
| 27 | PB164460BS   | PB164460BS       | PL092677.D | 28 Oct 2024 20:17 |  | AR\AJ | Ok,M |
| 28 | P4575-01     | PL-02-102424     | PL092678.D | 28 Oct 2024 20:31 |  | AR\AJ | Ok,M |
| 29 | P4566-01     | HD-01-102524     | PL092679.D | 28 Oct 2024 20:44 |  | AR\AJ | Ok,M |
| 30 | P4567-01     | WC-1             | PL092680.D | 28 Oct 2024 20:57 |  | AR\AJ | Ok,M |
| 31 | P4567-05     | WC-2             | PL092681.D | 28 Oct 2024 21:11 |  | AR\AJ | Ok   |
| 32 | P4567-09     | WC-3             | PL092682.D | 28 Oct 2024 21:24 |  | AR\AJ | Ok,M |
| 33 | P4574-01     | GRAVEL-1         | PL092683.D | 28 Oct 2024 21:38 |  | AR\AJ | Ok,M |
| 34 | P4574-04     | GRAVEL-2         | PL092684.D | 28 Oct 2024 21:51 |  | AR\AJ | Ok,M |
| 35 | P4577-01     | TR-05-102524     | PL092685.D | 28 Oct 2024 22:04 |  | AR\AJ | Ok,M |
| 36 | P4561-01     | BP-F-19          | PL092686.D | 28 Oct 2024 22:18 |  | AR\AJ | Ok,M |
| 37 | P4561-01MS   | BP-F-19MS        | PL092687.D | 28 Oct 2024 22:31 |  | AR\AJ | Ok,M |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL102824**

| Review By                | Abdul                                                                                   | Review On         | 10/29/2024 9:09:59 AM              |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 10/29/2024 10:02:30 AM             |
| SubDirectory             | PL102824                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |            |            |                   |  |       |      |
|----|-------------|------------|------------|-------------------|--|-------|------|
| 38 | P4561-01MSD | BP-F-19MSD | PL092688.D | 28 Oct 2024 22:44 |  | AR\AJ | Ok,M |
| 39 | P4561-05    | BP-F-18    | PL092689.D | 28 Oct 2024 22:58 |  | AR\AJ | Ok,M |
| 40 | I.BLK       | I.BLK      | PL092690.D | 28 Oct 2024 23:11 |  | AR\AJ | Ok,M |
| 41 | PSTDCCC050  | PSTDCCC050 | PL092691.D | 29 Oct 2024 00:32 |  | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL111124**

|                          |                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                   | Review On         | 11/12/2024 3:43:42 PM              |
| Supervise By             | Ankita                                                                                  | Supervise On      | 11/12/2024 4:02:24 PM              |
| SubDirectory             | PL111124                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                        |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

| Sr# | SampleId    | ClientID       | Data File Name | Date-Time         | Comment                       | Operator | Status |
|-----|-------------|----------------|----------------|-------------------|-------------------------------|----------|--------|
| 1   | HEXANE      | HEXANE         | PL092940.D     | 11 Nov 2024 09:21 |                               | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK          | PL092941.D     | 11 Nov 2024 09:35 |                               | AR\AJ    | Ok     |
| 3   | PEM         | PEM            | PL092942.D     | 11 Nov 2024 09:49 |                               | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PSTDCCC050     | PL092943.D     | 11 Nov 2024 11:58 |                               | AR\AJ    | Ok     |
| 5   | PB164849BL  | PB164849BL     | PL092944.D     | 11 Nov 2024 12:12 |                               | AR\AJ    | Ok     |
| 6   | PB164849BS  | PB164849BS     | PL092945.D     | 11 Nov 2024 12:26 |                               | AR\AJ    | Ok     |
| 7   | PB164694TB  | PB164694TB     | PL092946.D     | 11 Nov 2024 12:40 |                               | AR\AJ    | Ok     |
| 8   | PB164793TB  | PB164793TB     | PL092947.D     | 11 Nov 2024 12:54 |                               | AR\AJ    | Ok     |
| 9   | P4660-03MS  | WC-TA2-01-CMS  | PL092948.D     | 11 Nov 2024 13:08 |                               | AR\AJ    | Ok,M   |
| 10  | P4660-03MSD | WC-TA2-01-CMSD | PL092949.D     | 11 Nov 2024 13:26 |                               | AR\AJ    | Ok,M   |
| 11  | P4738-02    | 72-12018       | PL092950.D     | 11 Nov 2024 13:40 |                               | AR\AJ    | Ok     |
| 12  | PB164859BL  | PB164859BL     | PL092951.D     | 11 Nov 2024 13:53 |                               | AR\AJ    | Ok     |
| 13  | PB164859BS  | PB164859BS     | PL092952.D     | 11 Nov 2024 14:07 |                               | AR\AJ    | Ok     |
| 14  | P4793-01    | M00-24-00345   | PL092953.D     | 11 Nov 2024 14:21 | F flag is coming in surrogate | AR\AJ    | Not Ok |
| 15  | P4795-01    | LAW-23-00189   | PL092954.D     | 11 Nov 2024 14:35 |                               | AR\AJ    | Ok,M   |
| 16  | P4796-01    | TP-1           | PL092955.D     | 11 Nov 2024 14:49 |                               | AR\AJ    | Ok,M   |
| 17  | P4796-03    | TP-2           | PL092956.D     | 11 Nov 2024 15:03 |                               | AR\AJ    | Ok,M   |
| 18  | P4796-05    | TP-3           | PL092957.D     | 11 Nov 2024 15:16 |                               | AR\AJ    | Ok,M   |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL111124**

| Review By                | Abdul                                                                                   | Review On         | 11/12/2024 3:43:42 PM              |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 11/12/2024 4:02:24 PM              |
| SubDirectory             | PL111124                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |                   |            |                   |                               |       |        |
|----|-------------|-------------------|------------|-------------------|-------------------------------|-------|--------|
| 19 | P4796-07    | TP-4              | PL092958.D | 11 Nov 2024 15:30 |                               | AR\AJ | Ok,M   |
| 20 | I.BLK       | I.BLK             | PL092959.D | 11 Nov 2024 16:35 |                               | AR\AJ | Ok,M   |
| 21 | PSTDCCC050  | PSTDCCC050        | PL092960.D | 11 Nov 2024 16:49 |                               | AR\AJ | Ok     |
| 22 | PB164862BL  | PB164862BL        | PL092961.D | 11 Nov 2024 17:28 |                               | AR\AJ | Ok     |
| 23 | PB164862BS  | PB164862BS        | PL092962.D | 11 Nov 2024 17:42 |                               | AR\AJ | Ok     |
| 24 | PB164862BSD | PB164862BSD       | PL092963.D | 11 Nov 2024 17:55 |                               | AR\AJ | Ok     |
| 25 | P4791-02    | HINCHMAN-OILY-WAT | PL092964.D | 11 Nov 2024 18:09 | Surrogate Fail in both column | AR\AJ | Not Ok |
| 26 | P4792-04    | MANHOLE-WASTE-DR  | PL092965.D | 11 Nov 2024 18:23 | Surrogate Fail in both column | AR\AJ | Not Ok |
| 27 | P4796-07MS  | TP-4MS            | PL092966.D | 11 Nov 2024 18:37 |                               | AR\AJ | Ok,M   |
| 28 | P4796-07MSD | TP-4MSD           | PL092967.D | 11 Nov 2024 18:51 | RPD Fail in some compound     | AR\AJ | Ok,M   |
| 29 | PB164885BL  | PB164885BL        | PL092968.D | 11 Nov 2024 19:05 |                               | AR\AJ | Ok     |
| 30 | PB164885BS  | PB164885BS        | PL092969.D | 11 Nov 2024 19:19 |                               | AR\AJ | Ok     |
| 31 | PB164885TB  | PB164885TB        | PL092970.D | 11 Nov 2024 19:33 |                               | AR\AJ | Ok     |
| 32 | I.BLK       | I.BLK             | PL092971.D | 11 Nov 2024 19:46 |                               | AR\AJ | Ok     |
| 33 | PEM         | PEM               | PL092972.D | 11 Nov 2024 20:00 |                               | AR\AJ | Ok,M   |
| 34 | PSTDCCC050  | PSTDCCC050        | PL092973.D | 11 Nov 2024 20:14 |                               | AR\AJ | Ok     |
| 35 | P4722-05    | WC-1(0-6)         | PL092974.D | 11 Nov 2024 20:42 |                               | AR\AJ | Ok     |
| 36 | P4722-10    | WC-2(0-6)         | PL092975.D | 11 Nov 2024 20:56 |                               | AR\AJ | Ok     |
| 37 | P4722-15    | WC-3(0-6)         | PL092976.D | 11 Nov 2024 21:10 |                               | AR\AJ | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL111124**

| Review By                | Abdul                                                                                   | Review On         | 11/12/2024 3:43:42 PM              |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Ankita                                                                                  | Supervise On      | 11/12/2024 4:02:24 PM              |
| SubDirectory             | PL111124                                                                                | HP Acquire Method | HP Processing Method pl102824 8081 |
| STD. NAME                | STD REF.#                                                                               |                   |                                    |
| Tune/Reschk              | PP23793,PP23517                                                                         |                   |                                    |
| Initial Calibration Stds | PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683 |                   |                                    |
| CCC                      | PP23686,PP23690,PP23695                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                         |                   |                                    |
| ICV/I.BLK                | PP23687,PP23693,PP23698                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                         |                   |                                    |
| LCS Standard             |                                                                                         |                   |                                    |

|    |             |                 |            |                   |                                            |       |        |
|----|-------------|-----------------|------------|-------------------|--------------------------------------------|-------|--------|
| 38 | P4722-15MS  | WC-3(0-6)MS     | PL092977.D | 11 Nov 2024 21:24 |                                            | AR\AJ | Ok,M   |
| 39 | P4722-15MSD | WC-3(0-6)MSD    | PL092978.D | 11 Nov 2024 21:37 |                                            | AR\AJ | Ok,M   |
| 40 | P4788-01    | BP-G3           | PL092979.D | 11 Nov 2024 21:51 |                                            | AR\AJ | Ok,M   |
| 41 | P4789-01    | BP-F21          | PL092980.D | 11 Nov 2024 22:05 |                                            | AR\AJ | Ok,M   |
| 42 | P4792-03    | OILY-STONE-DRUM | PL092981.D | 11 Nov 2024 22:19 |                                            | AR\AJ | Ok,M   |
| 43 | P4798-01    | MH-6            | PL092982.D | 11 Nov 2024 22:33 | F flag is coming in surrogate, Already run | AR\AJ | Not Ok |
| 44 | P4718-03    | WB-307-SB02     | PL092983.D | 11 Nov 2024 22:47 |                                            | AR\AJ | Ok     |
| 45 | P4718-03MS  | WB-307-SB02MS   | PL092984.D | 11 Nov 2024 23:01 |                                            | AR\AJ | Ok,M   |
| 46 | P4718-03MSD | WB-307-SB02MSD  | PL092985.D | 11 Nov 2024 23:14 |                                            | AR\AJ | Ok,M   |
| 47 | P4722-04    | WC-1(0-6)       | PL092986.D | 11 Nov 2024 23:28 |                                            | AR\AJ | Ok     |
| 48 | P4722-09    | WC-2(0-6)       | PL092987.D | 11 Nov 2024 23:42 |                                            | AR\AJ | Ok     |
| 49 | P4722-14    | WC-3(0-6)       | PL092988.D | 11 Nov 2024 23:56 |                                            | AR\AJ | Ok     |
| 50 | P4732-02    | PPE-COMP        | PL092989.D | 12 Nov 2024 00:10 |                                            | AR\AJ | Ok     |
| 51 | P4771-06    | P-1             | PL092990.D | 12 Nov 2024 00:24 |                                            | AR\AJ | Ok,M   |
| 52 | P4771-08    | P-2             | PL092991.D | 12 Nov 2024 00:38 |                                            | AR\AJ | Ok     |
| 53 | I.BLK       | I.BLK           | PL092992.D | 12 Nov 2024 00:52 |                                            | AR\AJ | Ok     |
| 54 | PSTDCCC050  | PSTDCCC050      | PL092993.D | 12 Nov 2024 01:06 |                                            | AR\AJ | Ok,M   |

M : Manual Integration

|                         |               |                                    |                    |               |       |
|-------------------------|---------------|------------------------------------|--------------------|---------------|-------|
| <b>SOP ID :</b>         | M1311-TCLP-15 | <b>Start Prep Date :</b>           | 11/06/2024         | <b>Time :</b> | 16:45 |
| <b>SDG No :</b>         | N/A           | <b>End Prep Date :</b>             | 11/07/2024         | <b>Time :</b> | 09:35 |
| <b>Welgh By :</b>       | JP            | <b>Combination Ratio :</b>         | 20                 |               |       |
| <b>Balance ID :</b>     | WC SC-4       | <b>ZHE Cleaning Batch :</b>        | N/A                |               |       |
| <b>pH Meter ID :</b>    | WC PH METER-1 | <b>Initial Room Temperature:</b>   | 24 °C              |               |       |
| <b>Extraction By :</b>  | JP            | <b>Final Room Temperature:</b>     | 23 °C              |               |       |
| <b>Filter By :</b>      | JP            | <b>TCLP Technician Signature :</b> | <i>[Signature]</i> |               |       |
| <b>Pippete ID :</b>     | WC            | <b>Supervisor By :</b>             | <i>[Signature]</i> |               |       |
| <b>Tumbler ID :</b>     | T-1 / T-2     |                                    |                    |               |       |
| <b>TCLP Filter ID :</b> | 114771        |                                    |                    |               |       |

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| 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                 |

| Chemical Used        | ML/SAMPLE U | Lot Number                          |
|----------------------|-------------|-------------------------------------|
| TCLP-FLUID-1         | N/A         | WP108622                            |
| HCL-TCLP,1N          | N/A         | WP108584                            |
| HNO3-TCLP,1N         | N/A         | WP108585                            |
| pH Strips            | N/A         | W1931,W1934,W2350,W2755             |
| pH Strips            | N/A         | W1937,W1938,W1939,W1940,W1941,W1942 |
| 1 Liter Amber        | N/A         | 23091                               |
| 120ml Plastic bottle | N/A         | 21029                               |
| 1:1 HNO3             | MP81119     | N/A                                 |

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

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. p4718-03 is used for MS-MSD. Particle size reduction is not required.

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location              |
|----------------|-----------------------------------------|-----------------------------------|
| 11/07/24 11:00 | <i>[Signature]</i> Prep Group           | <i>[Signature]</i> Analysis Group |

| Sample ID  | ClientID         | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|------------|------------------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| P4718-03   | WB-307-SB02      | 01             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 6.0               | 1.5                     | T-1      |
| P4719-03   | BAYAVE-STOCKPILE | 02             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.5                     | T-1      |
| P4720-05   | JC-701-COMP-01   | 03             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.0                     | T-1      |
| P4722-04   | WC-1(0-6)        | 04             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 7.2               | 1.5                     | T-1      |
| P4722-09   | WC-2(0-6)        | 05             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 7.0               | 1.0                     | T-1      |
| P4722-14   | WC-3(0-6)        | 06             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 6.2               | 1.5                     | T-1      |
| P4732-02   | PPE-COMP         | 07             | 100.00        | 2000                            | N/A          | N/A            | N/A             | 6.0               | 1.0                     | T-1      |
| P4738-02   | 72-12018         | 08             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 4.5               | 1.5                     | T-1      |
| P4739-04   | TP-14            | 09             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.0                     | T-1      |
| P4739-08   | BP-G2            | 10             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-1      |
| P4739-12   | BP-B2            | 11             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.0                     | T-2      |
| P4739-16   | TP-11            | 12             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 8.2               | 1.5                     | T-2      |
| PB164694TB | LEB694           | 13             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.94              | 1.0                     | T-2      |

| SampleID   | ClientID         | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|------------|------------------|-------------------|-------------------|---------------|------------------------------|----------|--------------|
| P4718-03   | WB-307-SB02      | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4719-03   | BAYAVE-STOCKPILE | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4720-05   | JC-701-COMP-01   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4722-04   | WC-1(0-6)        | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4722-09   | WC-2(0-6)        | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4722-14   | WC-3(0-6)        | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4732-02   | PPE-COMP         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4738-02   | 72-12018         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4739-04   | TP-14            | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4739-08   | BP-G2            | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4739-12   | BP-B2            | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| P4739-16   | TP-11            | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| PB164694TB | LEB694           | N/A               | N/A               | N/A           | N/A                          | N/A      | N/A          |

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

| SampleID   | ClientID         | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|------------|------------------|-------------------|----------------------|---------------------|----------------------|-------------------------|---------------------|
| P4718-03   | WB-307-SB02      | 5.02              | 96.5                 | 8.4                 | 3.0                  | #1                      | 4.94                |
| P4719-03   | BAYAVE-STOCKPILE | 5.01              | 96.5                 | 8.4                 | 3.0                  | #1                      | 4.94                |
| P4720-05   | JC-701-COMP-01   | 5.02              | 96.5                 | 6.0                 | 2.0                  | #1                      | 4.94                |
| P4722-04   | WC-1(0-6)        | 5.03              | 96.5                 | 9.4                 | 4.0                  | #1                      | 4.94                |
| P4722-09   | WC-2(0-6)        | 5.02              | 96.5                 | 9.0                 | 3.5                  | #1                      | 4.94                |
| P4722-14   | WC-3(0-6)        | 5.01              | 96.5                 | 8.6                 | 3.5                  | #1                      | 4.94                |
| P4732-02   | PPE-COMP         | 5.00              | 96.5                 | 8.4                 | 3.0                  | #1                      | 4.94                |
| P4738-02   | 72-12018         | 5.02              | 96.5                 | 7.0                 | 2.5                  | #1                      | 4.94                |
| P4739-04   | TP-14            | 5.03              | 96.5                 | 7.2                 | 2.5                  | #1                      | 4.94                |
| P4739-08   | BP-G2            | 5.04              | 96.5                 | 8.0                 | 3.0                  | #1                      | 4.94                |
| P4739-12   | BP-B2            | 5.02              | 96.5                 | 7.6                 | 2.5                  | #1                      | 4.94                |
| P4739-16   | TP-11            | 5.01              | 96.5                 | 10.0                | 4.0                  | #1                      | 4.94                |
| PB164694TB | LEB694           | N/A               | N/A                  | N/A                 | N/A                  | #1                      | 4.94                |

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4719

WorkList ID : 185149

Department : TCLP Extraction

Date : 11-06-2024 07:55:14

| Sample   | Customer Sample  | Matrix | Test            | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|------------------|--------|-----------------|--------------|----------|-----------------------------|--------------|--------|
| P4718-03 | WB-307-SB02      | Solid  | TCLP Extraction | Cool 4 deg C | PORT06   | L21                         | 11/04/2024   | 1311   |
| P4719-03 | BAYAVE-STOCKPILE | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | K21                         | 11/05/2024   | 1311   |
| P4720-05 | JC-701-COMP-01   | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | K31                         | 11/05/2024   | 1311   |
| P4722-04 | WC-1(0-6)        | Solid  | TCLP Extraction | Cool 4 deg C | WALS01   | L23                         | 11/05/2024   | 1311   |
| P4722-09 | WC-2(0-6)        | Solid  | TCLP Extraction | Cool 4 deg C | WALS01   | L23                         | 11/05/2024   | 1311   |
| P4722-14 | WC-3(0-6)        | Solid  | TCLP Extraction | Cool 4 deg C | WALS01   | L23                         | 11/05/2024   | 1311   |
| P4732-02 | PPE-COMP         | Solid  | TCLP Extraction | Cool 4 deg C | FUR101   | L11                         | 11/06/2024   | 1311   |
| P4738-02 | 72-12018         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L23                         | 11/06/2024   | 1311   |
| P4739-04 | TP-14            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L21                         | 11/06/2024   | 1311   |
| P4739-08 | BP-G2            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L21                         | 11/06/2024   | 1311   |
| P4739-12 | BP-B2            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L21                         | 11/06/2024   | 1311   |
| P4739-16 | TP-11            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L21                         | 11/06/2024   | 1311   |

Date/Time 11/06/24 16:10

Raw Sample Received by: SA SM

Raw Sample Relinquished by: SA SM

Date/Time 11/06/24

Raw Sample Received by: SA SM

Raw Sample Relinquished by: SA SM

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix: Water

Weight By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: N/A

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date: 11/10/2024

Extraction Start Time: 08:44

Extraction End Date: 11/10/2024

Extraction End Time: 13:40

Concentration By: EH

Supervisor By: rajesh

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 500 PPB             | PP23928             |
| 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 |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3828      |
| Baked Na2SO4       | N/A            | EP2556     |
| Hexane             | N/A            | E3826      |
| 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        |
| N/A                | N/A            | N/A        |

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: Water bath -01,02

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 11/11/24    | RP (Est 244)                            | R. Post/PCB Lab      |
| 9:15        | Preparation Group                       | Analysis Group       |

**Analytical Method:** M3541-ASE Extraction-14
**Concentration Date:** 11/10/2024

| Sample ID       | Client Sample ID | Test           | g / mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|----------------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |                |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB164694TB      | PB164694TB       | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 |       |          | SEP-01      |
| PB164793TB      | PB164793TB       | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 |       |          | 2           |
| PB164849BL      | PBLK849          | TCLP Pesticide | 1000   | 6  | RUPESH         | rajesh     | 10                 |       |          | 3           |
| PB164849BS      | PLCS849          | TCLP Pesticide | 1000   | 6  | RUPESH         | rajesh     | 10                 |       |          | 4           |
| P4718-03        | WB-307-SB02      | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 5           |
| P4718-03MS      | WB-307-SB02MS    | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 6           |
| P4718-03MS<br>D | WB-307-SB02MSD   | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 7           |
| P4722-04        | WC-1(0-6)        | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 8           |
| P4722-09        | WC-2(0-6)        | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 9           |
| P4722-14        | WC-3(0-6)        | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 10          |
| P4732-02        | PPE-COMP         | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 11          |
| P4738-02        | 72-12018         | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 12          |
| P4771-06        | P-1              | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 13          |
| P4771-08        | P-2              | TCLP Pesticide | 100    | 6  | RUPESH         | rajesh     | 10                 | A     |          | 14          |

\* Extracts relinquished on the same date as received.

  
11/10/24

## TCLP EXTRACTION LOGPAGE

PB164793

| Sample ID  | ClientID        | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|------------|-----------------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| P4756-04   | BP-B4           | 01             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.5                     | T-1      |
| P4771-06   | P-1             | 02             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.0                     | T-1      |
| P4771-08   | P-2             | 03             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.5                     | T-1      |
| P4788-04   | BP-G3           | 04             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.0                     | T-1      |
| P4789-04   | BP-F21          | 05             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-1      |
| P4792-01   | DIESELE-DRUM    | 06             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 7.0               | 1.0                     | T-1      |
| P4792-06   | OILY-STONE-DRUM | 07             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 4.5               | 1.5                     | T-1      |
| P4793-02   | M00-24-00345    | 08             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-1      |
| P4795-02   | LAW-23-00189    | 09             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.0                     | T-1      |
| P4798-04   | MH-6            | 10             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.5                     | T-1      |
| PB164793TB | LEB793          | 11             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.94              | 1.0                     | T-1      |

11/09/2025  
11:30

| Sample ID  | ClientID  | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|------------|-----------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| P4722-05   | WC-1(0-6) | 11             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 7.2               | 1.5                     | T-2      |
| P4722-10   | WC-2(0-6) | 12             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 7.0               | 1.0                     | T-2      |
| P4722-15   | WC-3(0-6) | 13             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 7.2               | 1.5                     | T-2      |
| PB164792TB | LEB792    | 14             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.24              | 1.0                     | T-2      |

11/09/2023  
11:30



# 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. **P4718**  
QUOTE NO.  
COC Number **2042034**

### CLIENT INFORMATION

#### REPORT TO BE SENT TO:

COMPANY: Glannett Fleming  
ADDRESS: 1010 Adams Avenue  
CITY: Audobon STATE: PA ZIP: 19403  
ATTENTION: Joe Krupowsky  
PHONE: 610-801-8362 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak's sep. of SB  
PROJECT NO.: 9500000218 LOCATION: Keating NJ  
PROJECT MANAGER: Joe Krupowsky  
e-mail: QAQC@bamays.com  
PHONE: 610-801-8362 FAX:

### CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:  
ADDRESS: 984 Sheffield St.  
CITY: Mountainside STATE: NJ ZIP: 07092  
ATTENTION: Samantha PHONE:

### ANALYSIS

### 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 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other \_\_\_\_\_  
☐ EDD FORMAT BEN EDD.

1. TA VOC+10  
2. TA PAH  
3. TAH NPAHs  
4. PCB's  
5. CAHs, G/L/V  
6. EPH  
7. TOX  
8. EDLs  
9. RCRA Parameters

### PRESERVATIVES

### COMMENTS

| CHEMTECH<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |          | SAMPLE<br>COLLECTION |              | # OF BOTTLES | PRESERVATIVES |          |          |          |          |          |          |          |          | COMMENTS |
|--------------------------|----------------------------------|------------------|----------------|----------|----------------------|--------------|--------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                          |                                  |                  | COMP           | GRAB     | DATE                 | TIME         |              | A             |          | B        |          | F        |          |          |          |          |          |
| 1.                       | <u>WB-307-SW</u>                 | <u>GW</u>        |                | <u>X</u> | <u>11/04</u>         | <u>8:20</u>  | <u>7</u>     | <u>X</u>      | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |          |          |          |          |
| 2.                       | <u>WB-307-SB01</u>               | <u>S</u>         | <u>X</u>       |          | <u>11/04</u>         | <u>9:45</u>  | <u>10</u>    | <u>X</u>      | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |          |          |          |          |
| 3.                       | <u>WB-307-SB02</u>               | <u>S</u>         | <u>X</u>       |          | <u>11/04</u>         | <u>10:45</u> | <u>10</u>    | <u>X</u>      | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |          |
| 4.                       | <u>TB-11042024</u>               |                  |                |          |                      |              |              |               |          |          |          |          |          |          |          |          |          |
| 5.                       |                                  |                  |                |          |                      |              |              |               |          |          |          |          |          |          |          |          |          |
| 6.                       |                                  |                  |                |          |                      |              |              |               |          |          |          |          |          |          |          |          |          |
| 7.                       |                                  |                  |                |          |                      |              |              |               |          |          |          |          |          |          |          |          |          |
| 8.                       |                                  |                  |                |          |                      |              |              |               |          |          |          |          |          |          |          |          |          |
| 9.                       |                                  |                  |                |          |                      |              |              |               |          |          |          |          |          |          |          |          |          |
| 10.                      |                                  |                  |                |          |                      |              |              |               |          |          |          |          |          |          |          |          |          |

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

|                                                   |                                    |                                    |                                                                                                                                                                                                                  |
|---------------------------------------------------|------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <u>Yvonda</u>      | DATE/TIME:<br><u>11/6/24 11:19</u> | RECEIVED BY:<br><u>[Signature]</u> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input checked="" type="checkbox"/> COOLER TEMP <u>4.0</u> °C<br>Comments: <u>No Ice.</u> |
| RELINQUISHED BY SAMPLER:<br>2. <u>[Signature]</u> | DATE/TIME:                         | RECEIVED BY:                       |                                                                                                                                                                                                                  |
| RELINQUISHED BY SAMPLER:<br>3. <u>[Signature]</u> | DATE/TIME: <u>11-3-2024</u>        | RECEIVED BY: <u>[Signature]</u>    |                                                                                                                                                                                                                  |

Page \_\_\_\_ of \_\_\_\_

CLIENT: ☐ Hand Delivered ☐ Other \_\_\_\_\_  
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete  
☐ YES ☐ NO



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 (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |

**LOGIN REPORT/SAMPLE TRANSFER**

|                                                   |               |                                                 |                                   |
|---------------------------------------------------|---------------|-------------------------------------------------|-----------------------------------|
| <b>Order ID :</b> P4718                           | <b>PORT06</b> | <b>Order Date :</b> 11/5/2024 1:31:00 PM        | <b>Project Mgr :</b>              |
| <b>Client Name :</b> Portal Partners Tri-Venture  |               | <b>Project Name :</b> Amtrak Sawtooth Bridges 2 | <b>Report Type :</b> NJ Reduced   |
| <b>Client Contact :</b> Joseph Krupansky          |               | <b>Receive DateTime :</b> 11/5/2024 12:15:00 PM | <b>EDD Type :</b> EXCEL NJCLEANUP |
| <b>Invoice Name :</b> Portal Partners Tri-Venture |               | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Joseph Krupansky         |               |                                                 | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID   | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|-------------|--------|-------------|-------------|---------------|------------|----------|--------------|-----------|
| P4718-01 | WB-307-SB01 | Solid  | 11/04/2024  | 09:45       |               |            |          |              |           |
|          |             |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| P4718-02 | WB-307-SB02 | Solid  | 11/04/2024  | 09:45       |               |            |          |              |           |
|          |             |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| P4718-04 | WB-307-SW   | Water  | 11/04/2024  | 08:20       |               |            |          |              |           |
|          |             |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4718-05 | TB-11042024 | Water  | 11/04/2024  | 00:00       |               |            |          |              |           |
|          |             |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |

Relinquished By :



Date / Time :

11.5.2024 14:27

Received By :



Date / Time :

11.5.2024 14:27

Storage Area : VOA Refridgerator Room