

## Cover Page

**Order ID :** Q2032

**Project ID :** South River WM Replacement

**Client :** CDM Smith

### Lab Sample Number

Q2032-01  
Q2032-02  
Q2032-03  
Q2032-04  
Q2032-05  
Q2032-06  
Q2032-07  
Q2032-08  
Q2032-09  
Q2032-11  
Q2032-12

### Client Sample Number

TP-11  
TP-29  
TP-29-99  
TP-24  
Q2032-04MS  
Q2032-04MSD  
TP-37  
TP-32  
COMP-1  
FB-05132025  
TB

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: 5/21/2025

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 #: Q2032

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: PRADIP PRAJAPATI

Date: 05/21/2025

## LAB CHRONICLE

|                 |                    |                   |                                        |
|-----------------|--------------------|-------------------|----------------------------------------|
| <b>OrderID:</b> | Q2032              | <b>OrderDate:</b> | 5/13/2025 4:01:00 PM                   |
| <b>Client:</b>  | CDM Smith          | <b>Project:</b>   | South River WM Replacement             |
| <b>Contact:</b> | Marcie Ann Encinas | <b>Location:</b>  | L41,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID           | ClientID           | Matrix       | Test                    | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|--------------------|--------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q2032-01</b> | <b>TP-11</b>       | <b>SOIL</b>  |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-02</b> | <b>TP-29</b>       | <b>SOIL</b>  |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/15/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-03</b> | <b>TP-29-99</b>    | <b>SOIL</b>  |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-04</b> | <b>TP-24</b>       | <b>SOIL</b>  |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/15/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-07</b> | <b>TP-37</b>       | <b>SOIL</b>  |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-08</b> | <b>TP-32</b>       | <b>SOIL</b>  |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-11</b> | <b>FB-05132025</b> | <b>Water</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/14/25  |                 |

**LAB CHRONICLE**

|               |       |          |          |
|---------------|-------|----------|----------|
| PCB           | 8082A | 05/14/25 | 05/15/25 |
| Pesticide-TCL | 8081B | 05/14/25 | 05/14/25 |



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

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

**SDG No.:** Q2032

**Order ID:** Q2032

**Client:** CDM Smith

**Project ID:** South River WM Replacement

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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.: **Q2032**

Client: **CDM Smith**

Analytical Method: **8081B**

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| I.BLK-PL095630.D | PIBLK-PL095630.D | Decachlorobiphenyl   | 1      | 20    | 19.1   | 95  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 15.9   | 80  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.4   | 92  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 16.2   | 81  |      | 77     | 126  |
| I.BLK-PL095666.D | PIBLK-PL095666.D | Decachlorobiphenyl   | 1      | 20    | 20.4   | 102 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 18.4   | 92  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.6   | 88  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 16.3   | 81  |      | 77     | 126  |
| PB168004BL       | PB168004BL       | Decachlorobiphenyl   | 1      | 20    | 20.3   | 101 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.5   | 98  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.3   | 97  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.6   | 93  |      | 77     | 126  |
| PB168004BS       | PB168004BS       | Decachlorobiphenyl   | 1      | 20    | 21.1   | 106 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.1   | 100 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.2   | 101 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.9   | 95  |      | 77     | 126  |
| PB168004BSD      | PB168004BSD      | Decachlorobiphenyl   | 1      | 20    | 20.2   | 101 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 18.9   | 95  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.6   | 98  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.1   | 90  |      | 77     | 126  |
| Q2032-11         | FB-05132025      | Decachlorobiphenyl   | 1      | 20    | 9.36   | 47  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.1   | 101 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 8.58   | 43  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.2   | 96  |      | 77     | 126  |
| I.BLK-PL095682.D | PIBLK-PL095682.D | Decachlorobiphenyl   | 1      | 20    | 21.2   | 106 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.3   | 102 |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.5   | 97  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.8   | 94  |      | 77     | 126  |
| I.BLK-PL095713.D | PIBLK-PL095713.D | Decachlorobiphenyl   | 1      | 20    | 21.6   | 108 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.0   | 95  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.4   | 97  |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.0   | 85  |      | 77     | 126  |
| PB168040BL       | PB168040BL       | Decachlorobiphenyl   | 1      | 20    | 19.3   | 97  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 16.8   | 84  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.3   | 86  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 16.0   | 80  |      | 19     | 148  |
| PB168040BS       | PB168040BS       | Decachlorobiphenyl   | 1      | 20    | 19.1   | 96  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 17.4   | 87  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.6   | 88  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 16.9   | 84  |      | 19     | 148  |
| Q2032-01         | TP-11            | Decachlorobiphenyl   | 1      | 20    | 11.3   | 56  |      | 20     | 144  |

### Surrogate Summary

SDG No.: Q2032

Client: CDM Smith

Analytical Method: 8081B

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| Q2032-01         | TP-11            | Tetrachloro-m-xylene | 1      | 20    | 13.8   | 69  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 9.99   | 50  |      | 20     | 144  |
| Q2032-02         | TP-29            | Tetrachloro-m-xylene | 2      | 20    | 13.8   | 69  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 13.2   | 66  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 17.9   | 90  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 12.9   | 65  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.6   | 88  |      | 19     | 148  |
| Q2032-03         | TP-29-99         | Decachlorobiphenyl   | 1      | 20    | 15.5   | 77  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 18.6   | 93  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 14.2   | 71  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.0   | 90  |      | 19     | 148  |
| Q2032-04         | TP-24            | Decachlorobiphenyl   | 1      | 20    | 14.5   | 73  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 17.2   | 86  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 14.1   | 71  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.4   | 87  |      | 19     | 148  |
| Q2032-05MS       | TP-24MS          | Decachlorobiphenyl   | 1      | 20    | 14.9   | 74  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 17.4   | 87  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 14.0   | 70  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.5   | 88  |      | 19     | 148  |
| Q2032-06MSD      | TP-24MSD         | Decachlorobiphenyl   | 1      | 20    | 14.9   | 74  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 17.0   | 85  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 13.9   | 70  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.5   | 87  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 11.1   | 56  |      | 20     | 144  |
| Q2032-07         | TP-37            | Tetrachloro-m-xylene | 1      | 20    | 15.0   | 75  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 11.6   | 58  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 15.0   | 75  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 13.6   | 68  |      | 20     | 144  |
| Q2032-08         | TP-32            | Tetrachloro-m-xylene | 1      | 20    | 18.4   | 92  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 14.2   | 71  |      | 20     | 144  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.3   | 91  |      | 19     | 148  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.4   | 107 |      | 43     | 140  |
| I.BLK-PL095729.D | PIBLK-PL095729.D | Tetrachloro-m-xylene | 1      | 20    | 19.1   | 95  |      | 77     | 126  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.7   | 103 |      | 43     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.5   | 93  |      | 77     | 126  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |           |                           |            |
|-----------------|-----------|---------------------------|------------|
| <b>SDG No.:</b> | Q2032     | <b>Analytical Method:</b> | 8081B      |
| <b>Client:</b>  | CDM Smith | <b>DataFile :</b>         | PL095725.D |

| Lab Sample ID:                                       | Parameter           | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|------------------------------------------------------|---------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID:</b><br>Q2032-05MS<br>(Column 1) | <b>TP-24MS</b>      |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | alpha-BHC           | 22.42 | 0             | 20.2   | ug/kg | 90  |          |     |          | 60  | 144         |     |
|                                                      | beta-BHC            | 22.42 | 0             | 15.8   | ug/kg | 70  |          |     |          | 54  | 143         |     |
|                                                      | delta-BHC           | 22.42 | 0             | 19.8   | ug/kg | 88  |          |     |          | 29  | 151         |     |
|                                                      | gamma-BHC (Lindane) | 22.42 | 0             | 20.1   | ug/kg | 90  |          |     |          | 61  | 140         |     |
|                                                      | Heptachlor          | 22.42 | 0             | 19.5   | ug/kg | 87  |          |     |          | 63  | 135         |     |
|                                                      | Aldrin              | 22.42 | 0             | 20.3   | ug/kg | 91  |          |     |          | 49  | 139         |     |
|                                                      | Heptachlor epoxide  | 22.42 | 0             | 19.0   | ug/kg | 85  |          |     |          | 41  | 156         |     |
|                                                      | Endosulfan I        | 22.42 | 0             | 20.0   | ug/kg | 89  |          |     |          | 56  | 142         |     |
|                                                      | Dieldrin            | 22.42 | 0             | 19.1   | ug/kg | 85  |          |     |          | 47  | 161         |     |
|                                                      | 4,4'-DDE            | 22.42 | 0             | 18.3   | ug/kg | 82  |          |     |          | 55  | 136         |     |
|                                                      | Endrin              | 22.42 | 0             | 20.1   | ug/kg | 90  |          |     |          | 57  | 139         |     |
|                                                      | Endosulfan II       | 22.42 | 0             | 18.9   | ug/kg | 84  |          |     |          | 40  | 163         |     |
|                                                      | 4,4'-DDD            | 22.42 | 0             | 19.2   | ug/kg | 86  |          |     |          | 47  | 163         |     |
|                                                      | Endosulfan sulfate  | 22.42 | 0             | 19.2   | ug/kg | 86  |          |     |          | 62  | 139         |     |
|                                                      | 4,4'-DDT            | 22.42 | 0             | 20.8   | ug/kg | 93  |          |     |          | 51  | 146         |     |
|                                                      | Methoxychlor        | 22.42 | 0             | 20.8   | ug/kg | 93  |          |     |          | 54  | 136         |     |
|                                                      | Endrin ketone       | 22.42 | 0             | 19.7   | ug/kg | 88  |          |     |          | 60  | 129         |     |
|                                                      | Endrin aldehyde     | 22.42 | 0             | 20.1   | ug/kg | 90  |          |     |          | 59  | 132         |     |
|                                                      | alpha-Chlordane     | 22.42 | 0             | 20.1   | ug/kg | 90  |          |     |          | 39  | 166         |     |
|                                                      | gamma-Chlordane     | 22.42 | 0             | 19.6   | ug/kg | 87  |          |     |          | 44  | 175         |     |
| <b>Client Sample ID:</b><br>Q2032-05MS<br>(Column 2) | <b>TP-24MS</b>      |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | alpha-BHC           | 22.42 | 0             | 18.9   | ug/kg | 84  |          |     |          | 60  | 144         |     |
|                                                      | beta-BHC            | 22.42 | 0             | 18.6   | ug/kg | 83  |          |     |          | 54  | 143         |     |
|                                                      | delta-BHC           | 22.42 | 0             | 18.7   | ug/kg | 83  |          |     |          | 29  | 151         |     |
|                                                      | gamma-BHC (Lindane) | 22.42 | 0             | 18.6   | ug/kg | 83  |          |     |          | 61  | 140         |     |
|                                                      | Heptachlor          | 22.42 | 0             | 18.7   | ug/kg | 83  |          |     |          | 63  | 135         |     |
|                                                      | Aldrin              | 22.42 | 0             | 18.6   | ug/kg | 83  |          |     |          | 49  | 139         |     |
|                                                      | Heptachlor epoxide  | 22.42 | 0             | 18.6   | ug/kg | 83  |          |     |          | 41  | 156         |     |
|                                                      | Endosulfan I        | 22.42 | 0             | 19.0   | ug/kg | 85  |          |     |          | 56  | 142         |     |
|                                                      | Dieldrin            | 22.42 | 0             | 18.7   | ug/kg | 83  |          |     |          | 47  | 161         |     |
|                                                      | 4,4'-DDE            | 22.42 | 0             | 18.5   | ug/kg | 83  |          |     |          | 55  | 136         |     |
|                                                      | Endrin              | 22.42 | 0             | 19.9   | ug/kg | 89  |          |     |          | 57  | 139         |     |
|                                                      | Endosulfan II       | 22.42 | 0             | 18.4   | ug/kg | 82  |          |     |          | 40  | 163         |     |
|                                                      | 4,4'-DDD            | 22.42 | 0             | 18.8   | ug/kg | 84  |          |     |          | 47  | 163         |     |
|                                                      | Endosulfan sulfate  | 22.42 | 0             | 18.2   | ug/kg | 81  |          |     |          | 62  | 139         |     |
|                                                      | 4,4'-DDT            | 22.42 | 0             | 19.3   | ug/kg | 86  |          |     |          | 51  | 146         |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2032</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PL095725.D</u> |

| Lab Sample ID:           | Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|--------------------------|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                          |                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| Q2032-05MS<br>(Column 2) | Methoxychlor    | 22.42 | 0      | 19.4   | ug/kg | 87  |      |     |      | 54  | 136    |     |
|                          | Endrin ketone   | 22.42 | 0      | 18.2   | ug/kg | 81  |      |     |      | 60  | 129    |     |
|                          | Endrin aldehyde | 22.42 | 0      | 19.0   | ug/kg | 85  |      |     |      | 59  | 132    |     |
|                          | alpha-Chlordane | 22.42 | 0      | 18.3   | ug/kg | 82  |      |     |      | 39  | 166    |     |
|                          | gamma-Chlordane | 22.42 | 0      | 18.6   | ug/kg | 83  |      |     |      | 44  | 175    |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |           |                           |            |
|-----------------|-----------|---------------------------|------------|
| <b>SDG No.:</b> | Q2032     | <b>Analytical Method:</b> | 8081B      |
| <b>Client:</b>  | CDM Smith | <b>DataFile :</b>         | PL095726.D |

| Lab Sample ID:                                        | Parameter           | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-------------------------------------------------------|---------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID:</b><br>Q2032-06MSD<br>(Column 1) | <b>TP-24MSD</b>     |       |               |        |       |     |          |     |          |     |             |     |
|                                                       | alpha-BHC           | 22.45 | 0             | 20.3   | ug/kg | 90  |          | 0   |          | 60  | 144         | 20  |
|                                                       | beta-BHC            | 22.45 | 0             | 15.8   | ug/kg | 70  |          | 0   |          | 54  | 143         | 20  |
|                                                       | delta-BHC           | 22.45 | 0             | 19.8   | ug/kg | 88  |          | 0   |          | 29  | 151         | 20  |
|                                                       | gamma-BHC (Lindane) | 22.45 | 0             | 20.1   | ug/kg | 90  |          | 0   |          | 61  | 140         | 20  |
|                                                       | Heptachlor          | 22.45 | 0             | 19.6   | ug/kg | 87  |          | 0   |          | 63  | 135         | 20  |
|                                                       | Aldrin              | 22.45 | 0             | 20.3   | ug/kg | 90  |          | 1   |          | 49  | 139         | 20  |
|                                                       | Heptachlor epoxide  | 22.45 | 0             | 19.1   | ug/kg | 85  |          | 0   |          | 41  | 156         | 20  |
|                                                       | Endosulfan I        | 22.45 | 0             | 20.2   | ug/kg | 90  |          | 1   |          | 56  | 142         | 20  |
|                                                       | Dieldrin            | 22.45 | 0             | 19.1   | ug/kg | 85  |          | 0   |          | 47  | 161         | 20  |
|                                                       | 4,4'-DDE            | 22.45 | 0             | 18.4   | ug/kg | 82  |          | 0   |          | 55  | 136         | 20  |
|                                                       | Endrin              | 22.45 | 0             | 20.1   | ug/kg | 90  |          | 0   |          | 57  | 139         | 20  |
|                                                       | Endosulfan II       | 22.45 | 0             | 19.0   | ug/kg | 85  |          | 1   |          | 40  | 163         | 20  |
|                                                       | 4,4'-DDD            | 22.45 | 0             | 19.3   | ug/kg | 86  |          | 0   |          | 47  | 163         | 20  |
|                                                       | Endosulfan sulfate  | 22.45 | 0             | 19.5   | ug/kg | 87  |          | 1   |          | 62  | 139         | 20  |
|                                                       | 4,4'-DDT            | 22.45 | 0             | 20.6   | ug/kg | 92  |          | 1   |          | 51  | 146         | 20  |
|                                                       | Methoxychlor        | 22.45 | 0             | 20.8   | ug/kg | 93  |          | 0   |          | 54  | 136         | 20  |
|                                                       | Endrin ketone       | 22.45 | 0             | 19.6   | ug/kg | 87  |          | 1   |          | 60  | 129         | 20  |
|                                                       | Endrin aldehyde     | 22.45 | 0             | 20.0   | ug/kg | 89  |          | 1   |          | 59  | 132         | 20  |
|                                                       | alpha-Chlordane     | 22.45 | 0             | 20.2   | ug/kg | 90  |          | 0   |          | 39  | 166         | 20  |
|                                                       | gamma-Chlordane     | 22.45 | 0             | 19.8   | ug/kg | 88  |          | 1   |          | 44  | 175         | 20  |
| <b>Client Sample ID:</b><br>Q2032-06MSD<br>(Column 2) | <b>TP-24MSD</b>     |       |               |        |       |     |          |     |          |     |             |     |
|                                                       | alpha-BHC           | 22.45 | 0             | 18.9   | ug/kg | 84  |          | 0   |          | 60  | 144         | 20  |
|                                                       | beta-BHC            | 22.45 | 0             | 18.6   | ug/kg | 83  |          | 0   |          | 54  | 143         | 20  |
|                                                       | delta-BHC           | 22.45 | 0             | 18.7   | ug/kg | 83  |          | 0   |          | 29  | 151         | 20  |
|                                                       | gamma-BHC (Lindane) | 22.45 | 0             | 18.6   | ug/kg | 83  |          | 0   |          | 61  | 140         | 20  |
|                                                       | Heptachlor          | 22.45 | 0             | 18.6   | ug/kg | 83  |          | 0   |          | 63  | 135         | 20  |
|                                                       | Aldrin              | 22.45 | 0             | 18.7   | ug/kg | 83  |          | 1   |          | 49  | 139         | 20  |
|                                                       | Heptachlor epoxide  | 22.45 | 0             | 18.7   | ug/kg | 83  |          | 0   |          | 41  | 156         | 20  |
|                                                       | Endosulfan I        | 22.45 | 0             | 19.0   | ug/kg | 85  |          | 1   |          | 56  | 142         | 20  |
|                                                       | Dieldrin            | 22.45 | 0             | 18.8   | ug/kg | 84  |          | 0   |          | 47  | 161         | 20  |
|                                                       | 4,4'-DDE            | 22.45 | 0             | 18.5   | ug/kg | 82  |          | 0   |          | 55  | 136         | 20  |
|                                                       | Endrin              | 22.45 | 0             | 20.0   | ug/kg | 89  |          | 0   |          | 57  | 139         | 20  |
|                                                       | Endosulfan II       | 22.45 | 0             | 18.4   | ug/kg | 82  |          | 1   |          | 40  | 163         | 20  |
|                                                       | 4,4'-DDD            | 22.45 | 0             | 18.9   | ug/kg | 84  |          | 0   |          | 47  | 163         | 20  |
|                                                       | Endosulfan sulfate  | 22.45 | 0             | 18.3   | ug/kg | 82  |          | 1   |          | 62  | 139         | 20  |
|                                                       | 4,4'-DDT            | 22.45 | 0             | 19.3   | ug/kg | 86  |          | 1   |          | 51  | 146         | 20  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2032</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PL095726.D</u> |

| Lab Sample ID:            | Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|---------------------------|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                           |                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| Q2032-06MSD<br>(Column 2) | Methoxychlor    | 22.45 | 0      | 19.4   | ug/kg | 86  |      | 0   |      | 54  | 136    | 20  |
|                           | Endrin ketone   | 22.45 | 0      | 18.2   | ug/kg | 81  |      | 1   |      | 60  | 129    | 20  |
|                           | Endrin aldehyde | 22.45 | 0      | 19.1   | ug/kg | 85  |      | 1   |      | 59  | 132    | 20  |
|                           | alpha-Chlordane | 22.45 | 0      | 18.3   | ug/kg | 82  |      | 0   |      | 39  | 166    | 20  |
|                           | gamma-Chlordane | 22.45 | 0      | 18.6   | ug/kg | 83  |      | 1   |      | 44  | 175    | 20  |

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

**SW-846**

**SDG No.:** Q2032

**Analytical Method:** 8081B

**Client:** CDM Smith

**Datafile :** PL095669.D

| Lab Sample ID            | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|--------------------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|                          |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB168004BS<br>(Column 1) | alpha-BHC           | 0.5   | 0.51   | ug/L  | 103 |     |      |      | 85  | 130    |     |
|                          | beta-BHC            | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 83  | 126    |     |
|                          | delta-BHC           | 0.5   | 0.51   | ug/L  | 102 |     |      |      | 69  | 141    |     |
|                          | gamma-BHC (Lindane) | 0.5   | 0.51   | ug/L  | 102 |     |      |      | 82  | 129    |     |
|                          | Heptachlor          | 0.5   | 0.50   | ug/L  | 101 |     |      |      | 79  | 127    |     |
|                          | Aldrin              | 0.5   | 0.52   | ug/L  | 104 |     |      |      | 79  | 126    |     |
|                          | Heptachlor epoxide  | 0.5   | 0.51   | ug/L  | 101 |     |      |      | 81  | 124    |     |
|                          | Endosulfan I        | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 85  | 122    |     |
|                          | Dieldrin            | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 83  | 125    |     |
|                          | 4,4'-DDE            | 0.5   | 0.54   | ug/L  | 108 |     |      |      | 80  | 127    |     |
|                          | Endrin              | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 81  | 128    |     |
|                          | Endosulfan II       | 0.5   | 0.51   | ug/L  | 103 |     |      |      | 82  | 123    |     |
|                          | 4,4'-DDD            | 0.5   | 0.53   | ug/L  | 105 |     |      |      | 77  | 131    |     |
|                          | Endosulfan sulfate  | 0.5   | 0.53   | ug/L  | 105 |     |      |      | 76  | 129    |     |
|                          | 4,4'-DDT            | 0.5   | 0.51   | ug/L  | 101 |     |      |      | 80  | 133    |     |
|                          | Methoxychlor        | 0.5   | 0.48   | ug/L  | 97  |     |      |      | 78  | 108    |     |
|                          | Endrin ketone       | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 80  | 131    |     |
|                          | Endrin aldehyde     | 0.5   | 0.53   | ug/L  | 107 |     |      |      | 82  | 127    |     |
|                          | alpha-Chlordane     | 0.5   | 0.53   | ug/L  | 106 |     |      |      | 82  | 125    |     |
|                          | gamma-Chlordane     | 0.5   | 0.52   | ug/L  | 104 |     |      |      | 82  | 125    |     |
| PB168004BS<br>(Column 2) | alpha-BHC           | 0.5   | 0.47   | ug/L  |     |     |      |      | 85  | 130    |     |
|                          | beta-BHC            | 0.5   | 0.45   | ug/L  |     |     |      |      | 83  | 126    |     |
|                          | delta-BHC           | 0.5   | 0.47   | ug/L  |     |     |      |      | 69  | 141    |     |
|                          | gamma-BHC (Lindane) | 0.5   | 0.47   | ug/L  |     |     |      |      | 82  | 129    |     |
|                          | Heptachlor          | 0.5   | 0.45   | ug/L  |     |     |      |      | 79  | 127    |     |
|                          | Aldrin              | 0.5   | 0.46   | ug/L  |     |     |      |      | 79  | 126    |     |
|                          | Heptachlor epoxide  | 0.5   | 0.47   | ug/L  |     |     |      |      | 81  | 124    |     |
|                          | Endosulfan I        | 0.5   | 0.50   | ug/L  |     |     |      |      | 85  | 122    |     |
|                          | Dieldrin            | 0.5   | 0.47   | ug/L  |     |     |      |      | 83  | 125    |     |
|                          | 4,4'-DDE            | 0.5   | 0.47   | ug/L  |     |     |      |      | 80  | 127    |     |
|                          | Endrin              | 0.5   | 0.45   | ug/L  |     |     |      |      | 81  | 128    |     |
|                          | Endosulfan II       | 0.5   | 0.46   | ug/L  |     |     |      |      | 82  | 123    |     |
|                          | 4,4'-DDD            | 0.5   | 0.49   | ug/L  |     |     |      |      | 77  | 131    |     |
|                          | Endosulfan sulfate  | 0.5   | 0.47   | ug/L  |     |     |      |      | 76  | 129    |     |
|                          | 4,4'-DDT            | 0.5   | 0.44   | ug/L  |     |     |      |      | 80  | 133    |     |
|                          | Methoxychlor        | 0.5   | 0.43   | ug/L  |     |     |      |      | 78  | 108    |     |
|                          | Endrin ketone       | 0.5   | 0.48   | ug/L  |     |     |      |      | 80  | 131    |     |
|                          | Endrin aldehyde     | 0.5   | 0.49   | ug/L  |     |     |      |      | 82  | 127    |     |
|                          | alpha-Chlordane     | 0.5   | 0.46   | ug/L  |     |     |      |      | 82  | 125    |     |
|                          | gamma-Chlordane     | 0.5   | 0.47   | ug/L  |     |     |      |      | 82  | 125    |     |

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

**SW-846**

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2032</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>Datafile :</b>         | <u>PL095670.D</u> |

| Lab Sample ID             | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|                           |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB168004BSD<br>(Column 1) | alpha-BHC           | 0.5   | 0.49   | ug/L  | 98  | 5   |      |      | 85  | 130    | 20  |
|                           | beta-BHC            | 0.5   | 0.48   | ug/L  | 95  | 5   |      |      | 83  | 126    | 20  |
|                           | delta-BHC           | 0.5   | 0.49   | ug/L  | 97  | 5   |      |      | 69  | 141    | 20  |
|                           | gamma-BHC (Lindane) | 0.5   | 0.49   | ug/L  | 97  | 5   |      |      | 82  | 129    | 20  |
|                           | Heptachlor          | 0.5   | 0.48   | ug/L  | 95  | 6   |      |      | 79  | 127    | 20  |
|                           | Aldrin              | 0.5   | 0.49   | ug/L  | 99  | 5   |      |      | 79  | 126    | 20  |
|                           | Heptachlor epoxide  | 0.5   | 0.49   | ug/L  | 97  | 4   |      |      | 81  | 124    | 20  |
|                           | Endosulfan I        | 0.5   | 0.50   | ug/L  | 101 | 5   |      |      | 85  | 122    | 20  |
|                           | Dieldrin            | 0.5   | 0.50   | ug/L  | 100 | 6   |      |      | 83  | 125    | 20  |
|                           | 4,4'-DDE            | 0.5   | 0.51   | ug/L  | 102 | 6   |      |      | 80  | 127    | 20  |
|                           | Endrin              | 0.5   | 0.47   | ug/L  | 94  | 6   |      |      | 81  | 128    | 20  |
|                           | Endosulfan II       | 0.5   | 0.49   | ug/L  | 98  | 5   |      |      | 82  | 123    | 20  |
|                           | 4,4'-DDD            | 0.5   | 0.51   | ug/L  | 102 | 3   |      |      | 77  | 131    | 20  |
|                           | Endosulfan sulfate  | 0.5   | 0.50   | ug/L  | 100 | 5   |      |      | 76  | 129    | 20  |
|                           | 4,4'-DDT            | 0.5   | 0.47   | ug/L  | 94  | 7   |      |      | 80  | 133    | 20  |
|                           | Methoxychlor        | 0.5   | 0.45   | ug/L  | 90  | 7   |      |      | 78  | 108    | 20  |
|                           | Endrin ketone       | 0.5   | 0.51   | ug/L  | 102 | 4   |      |      | 80  | 131    | 20  |
|                           | Endrin aldehyde     | 0.5   | 0.50   | ug/L  | 101 | 6   |      |      | 82  | 127    | 20  |
|                           | alpha-Chlordane     | 0.5   | 0.50   | ug/L  | 101 | 5   |      |      | 82  | 125    | 20  |
|                           | gamma-Chlordane     | 0.5   | 0.49   | ug/L  | 99  | 5   |      |      | 82  | 125    | 20  |
|                           | alpha-BHC           | 0.5   | 0.44   | ug/L  |     | 5   |      |      | 85  | 130    | 20  |
|                           | beta-BHC            | 0.5   | 0.43   | ug/L  |     | 5   |      |      | 83  | 126    | 20  |
|                           | delta-BHC           | 0.5   | 0.44   | ug/L  |     | 5   |      |      | 69  | 141    | 20  |
|                           | gamma-BHC (Lindane) | 0.5   | 0.44   | ug/L  |     | 5   |      |      | 82  | 129    | 20  |
| PB168004BSD<br>(Column 2) | Heptachlor          | 0.5   | 0.42   | ug/L  |     | 6   |      |      | 79  | 127    | 20  |
|                           | Aldrin              | 0.5   | 0.44   | ug/L  |     | 5   |      |      | 79  | 126    | 20  |
|                           | Heptachlor epoxide  | 0.5   | 0.45   | ug/L  |     | 4   |      |      | 81  | 124    | 20  |
|                           | Endosulfan I        | 0.5   | 0.47   | ug/L  |     | 5   |      |      | 85  | 122    | 20  |
|                           | Dieldrin            | 0.5   | 0.45   | ug/L  |     | 6   |      |      | 83  | 125    | 20  |
|                           | 4,4'-DDE            | 0.5   | 0.45   | ug/L  |     | 6   |      |      | 80  | 127    | 20  |
|                           | Endrin              | 0.5   | 0.43   | ug/L  |     | 6   |      |      | 81  | 128    | 20  |
|                           | Endosulfan II       | 0.5   | 0.44   | ug/L  |     | 5   |      |      | 82  | 123    | 20  |
|                           | 4,4'-DDD            | 0.5   | 0.47   | ug/L  |     | 3   |      |      | 77  | 131    | 20  |
|                           | Endosulfan sulfate  | 0.5   | 0.45   | ug/L  |     | 5   |      |      | 76  | 129    | 20  |
|                           | 4,4'-DDT            | 0.5   | 0.41   | ug/L  |     | 7   |      |      | 80  | 133    | 20  |
|                           | Methoxychlor        | 0.5   | 0.40   | ug/L  |     | 7   |      |      | 78  | 108    | 20  |
|                           | Endrin ketone       | 0.5   | 0.46   | ug/L  |     | 4   |      |      | 80  | 131    | 20  |
|                           | Endrin aldehyde     | 0.5   | 0.46   | ug/L  |     | 6   |      |      | 82  | 127    | 20  |
|                           | alpha-Chlordane     | 0.5   | 0.44   | ug/L  |     | 5   |      |      | 82  | 125    | 20  |
|                           | gamma-Chlordane     | 0.5   | 0.44   | ug/L  |     | 5   |      |      | 82  | 125    | 20  |

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

**SW-846**

|                 |           |                           |            |
|-----------------|-----------|---------------------------|------------|
| <b>SDG No.:</b> | Q2032     | <b>Analytical Method:</b> | 8081B      |
| <b>Client:</b>  | CDM Smith | <b>Datafile :</b>         | PL095717.D |

| Lab Sample ID            | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|--------------------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|                          |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB168040BS<br>(Column 1) | alpha-BHC           | 16.66 | 15.2   | ug/kg | 91  |     |      |      | 84  | 123    |     |
|                          | beta-BHC            | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 82  | 123    |     |
|                          | delta-BHC           | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 83  | 126    |     |
|                          | gamma-BHC (Lindane) | 16.66 | 15.2   | ug/kg | 91  |     |      |      | 83  | 125    |     |
|                          | Heptachlor          | 16.66 | 14.9   | ug/kg | 89  |     |      |      | 83  | 122    |     |
|                          | Aldrin              | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 82  | 124    |     |
|                          | Heptachlor epoxide  | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 83  | 120    |     |
|                          | Endosulfan I        | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 81  | 124    |     |
|                          | Dieldrin            | 16.66 | 15.2   | ug/kg | 91  |     |      |      | 85  | 121    |     |
|                          | 4,4'-DDE            | 16.66 | 16.1   | ug/kg | 97  |     |      |      | 81  | 123    |     |
|                          | Endrin              | 16.66 | 15.8   | ug/kg | 95  |     |      |      | 76  | 130    |     |
|                          | Endosulfan II       | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 80  | 125    |     |
|                          | 4,4'-DDD            | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 80  | 131    |     |
|                          | Endosulfan sulfate  | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 81  | 122    |     |
|                          | 4,4'-DDT            | 16.66 | 15.9   | ug/kg | 95  |     |      |      | 70  | 129    |     |
|                          | Methoxychlor        | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 60  | 119    |     |
|                          | Endrin ketone       | 16.66 | 15.1   | ug/kg | 91  |     |      |      | 77  | 132    |     |
|                          | Endrin aldehyde     | 16.66 | 15.1   | ug/kg | 91  |     |      |      | 79  | 124    |     |
|                          | alpha-Chlordane     | 16.66 | 15.6   | ug/kg | 94  |     |      |      | 84  | 120    |     |
|                          | gamma-Chlordane     | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 83  | 122    |     |
|                          | alpha-BHC           | 16.66 | 14.2   | ug/kg | 85  |     |      |      | 84  | 123    |     |
| PB168040BS<br>(Column 2) | beta-BHC            | 16.66 | 14.2   | ug/kg | 85  |     |      |      | 82  | 123    |     |
|                          | delta-BHC           | 16.66 | 14.5   | ug/kg | 87  |     |      |      | 83  | 126    |     |
|                          | gamma-BHC (Lindane) | 16.66 | 14.3   | ug/kg | 86  |     |      |      | 83  | 125    |     |
|                          | Heptachlor          | 16.66 | 14.2   | ug/kg | 85  |     |      |      | 83  | 122    |     |
|                          | Aldrin              | 16.66 | 14.4   | ug/kg | 86  |     |      |      | 82  | 124    |     |
|                          | Heptachlor epoxide  | 16.66 | 14.6   | ug/kg | 88  |     |      |      | 83  | 120    |     |
|                          | Endosulfan I        | 16.66 | 15.8   | ug/kg | 95  |     |      |      | 81  | 124    |     |
|                          | Dieldrin            | 16.66 | 14.7   | ug/kg | 88  |     |      |      | 85  | 121    |     |
|                          | 4,4'-DDE            | 16.66 | 14.8   | ug/kg | 89  |     |      |      | 81  | 123    |     |
|                          | Endrin              | 16.66 | 15.2   | ug/kg | 91  |     |      |      | 76  | 130    |     |
|                          | Endosulfan II       | 16.66 | 14.4   | ug/kg | 86  |     |      |      | 80  | 125    |     |
|                          | 4,4'-DDD            | 16.66 | 14.9   | ug/kg | 89  |     |      |      | 80  | 131    |     |
|                          | Endosulfan sulfate  | 16.66 | 14.4   | ug/kg | 86  |     |      |      | 81  | 122    |     |
|                          | 4,4'-DDT            | 16.66 | 15.1   | ug/kg | 91  |     |      |      | 70  | 129    |     |
|                          | Methoxychlor        | 16.66 | 14.8   | ug/kg | 89  |     |      |      | 60  | 119    |     |
|                          | Endrin ketone       | 16.66 | 14.3   | ug/kg | 86  |     |      |      | 77  | 132    |     |
|                          | Endrin aldehyde     | 16.66 | 14.8   | ug/kg | 89  |     |      |      | 79  | 124    |     |
|                          | alpha-Chlordane     | 16.66 | 14.5   | ug/kg | 87  |     |      |      | 84  | 120    |     |
|                          | gamma-Chlordane     | 16.66 | 14.7   | ug/kg | 88  |     |      |      | 83  | 122    |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168004BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168004BL

Lab File ID: PL095668.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/14/2025

Date Analyzed (1): 05/14/2025

Date Analyzed (2): 05/14/2025

Time Analyzed (1): 16:41

Time Analyzed (2): 16:41

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB168004BS        | PB168004BS       | PL095669.D     | 05/14/2025         | 05/14/2025         |
| PB168004BSD       | PB168004BSD      | PL095670.D     | 05/14/2025         | 05/14/2025         |
| FB-05132025       | Q2032-11         | PL095672.D     | 05/14/2025         | 05/14/2025         |

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168040BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168040BL

Lab File ID: PL095716.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/16/2025

Date Analyzed (1): 05/16/2025

Date Analyzed (2): 05/16/2025

Time Analyzed (1): 12:42

Time Analyzed (2): 12:42

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB168040BS        | PB168040BS       | PL095717.D     | 05/16/2025         | 05/16/2025         |
| TP-11             | Q2032-01         | PL095721.D     | 05/16/2025         | 05/16/2025         |
| TP-29             | Q2032-02         | PL095722.D     | 05/16/2025         | 05/16/2025         |
| TP-29-99          | Q2032-03         | PL095723.D     | 05/16/2025         | 05/16/2025         |
| TP-24             | Q2032-04         | PL095724.D     | 05/16/2025         | 05/16/2025         |
| TP-24MS           | Q2032-05MS       | PL095725.D     | 05/16/2025         | 05/16/2025         |
| TP-24MSD          | Q2032-06MSD      | PL095726.D     | 05/16/2025         | 05/16/2025         |
| TP-37             | Q2032-07         | PL095727.D     | 05/16/2025         | 05/16/2025         |
| TP-32             | Q2032-08         | PL095728.D     | 05/16/2025         | 05/16/2025         |

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



# SAMPLE DATA

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-11                      | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-01                   | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 76.3      Decanted: |
| Sample Wt/Vol:     | 30.05      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095721.D        | 1         | 05/16/25 09:25 | 05/16/25 13:51 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.17  | U         | 0.17     | 2.20       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.24  | U         | 0.24     | 2.20       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.51  | U         | 0.51     | 2.20       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.16  | U         | 0.16     | 2.20       | ug/kg             |
| 309-00-2          | Aldrin               | 0.16  | U         | 0.16     | 2.20       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.25  | U         | 0.25     | 2.20       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 72-20-8           | Endrin               | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.38  | U         | 0.38     | 2.20       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.20  | U         | 0.20     | 2.20       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.17  | U         | 0.17     | 2.20       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.18  | U         | 0.18     | 2.20       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.48  | U         | 0.48     | 2.20       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.25  | U         | 0.25     | 2.20       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.48  | U         | 0.48     | 2.20       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.16  | U         | 0.16     | 2.20       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.20  | U         | 0.20     | 2.20       | ug/kg             |
| 8001-35-2         | Toxaphene            | 7.10  | U         | 7.10     | 43.2       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 11.3  |           | 20 - 144 | 56%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 13.8  |           | 19 - 148 | 69%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-11                      | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-01                   | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 76.3      Decanted: |
| Sample Wt/Vol:     | 30.05      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095721.D        | 1         | 05/16/25 09:25 | 05/16/25 13:51 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095721.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 13:51  
 Operator : AR\AJ  
 Sample : Q2032-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-11

**Manual Integrations**  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:56:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.590 | 2.907 | 56497893 | 64596367 | 13.827m | 13.791 |
| 28) SA Decachlor...         | 9.114 | 8.083 | 38183315 | 41208885 | 11.255  | 9.991  |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095721.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 13:51  
Operator : AR\AJ  
Sample : Q2032-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

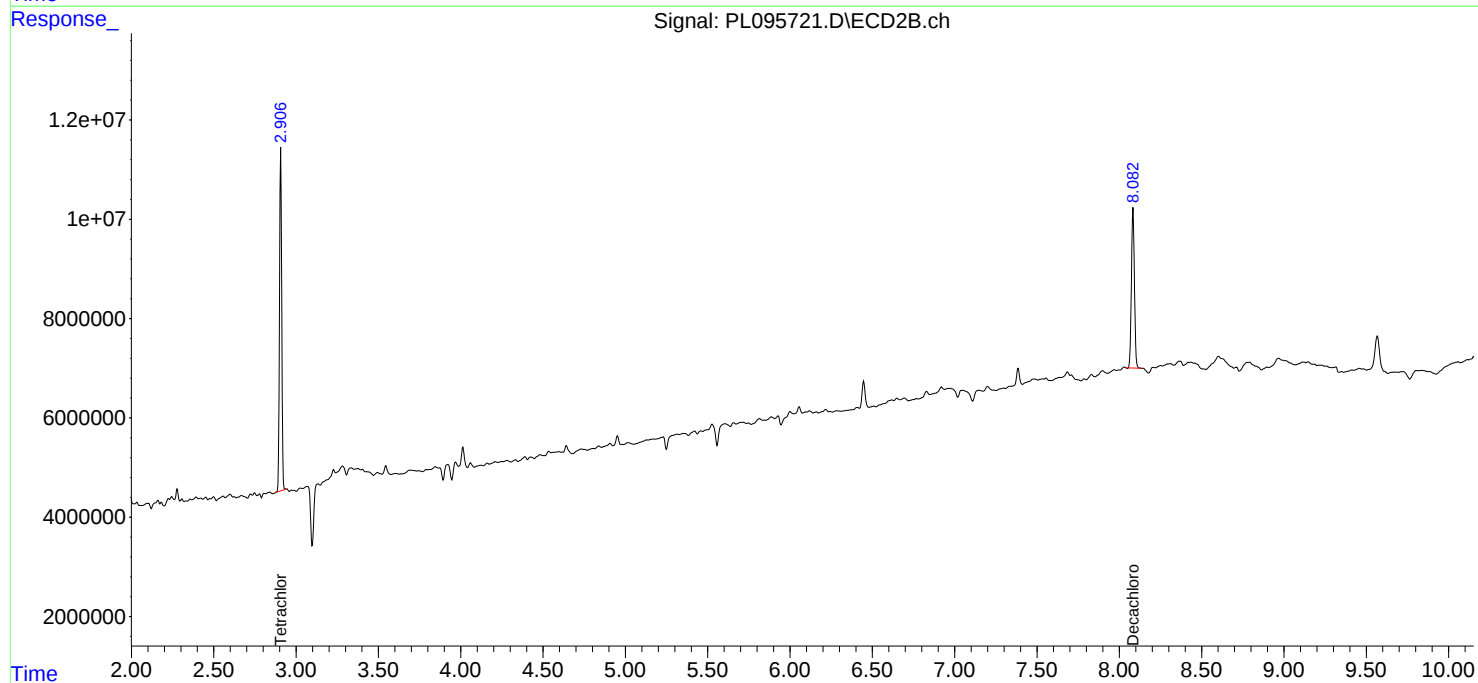
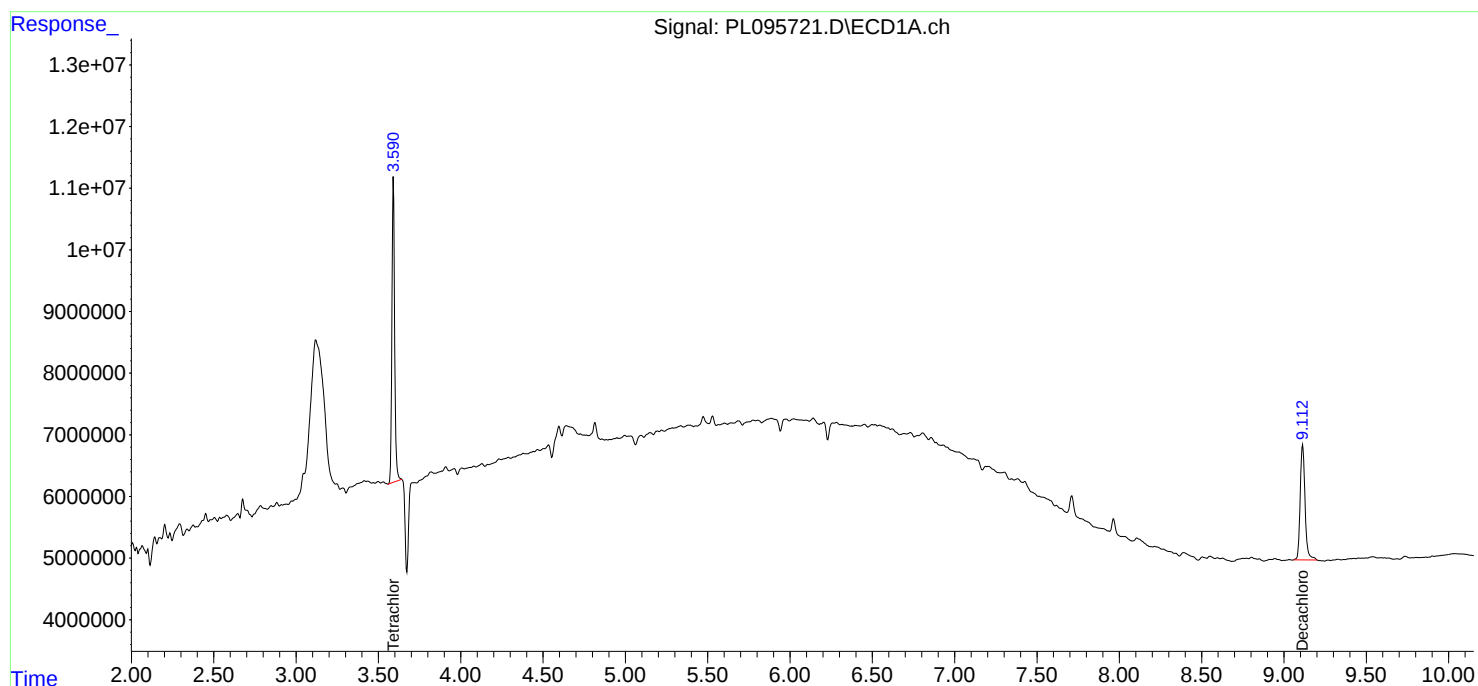
Instrument :  
ECD\_L  
ClientSampleId :  
TP-11

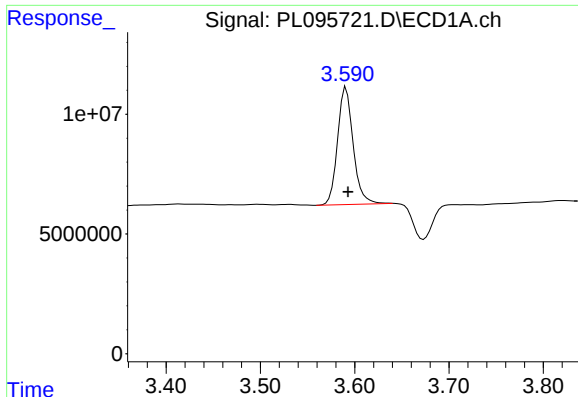
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:56:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





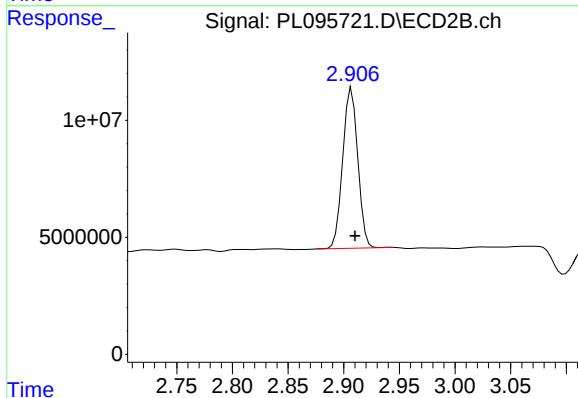
## #1 Tetrachloro-m-xylene

R.T.: 3.590 min  
Delta R.T.: -0.003 min  
Response: 56497893  
Conc: 13.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-11

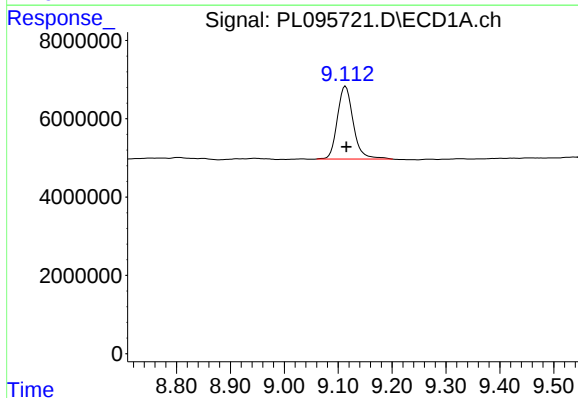
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025



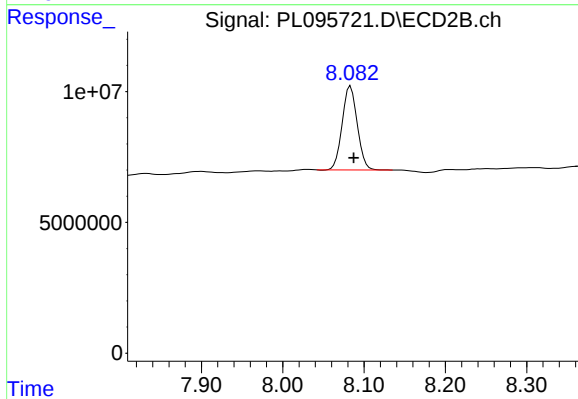
## #1 Tetrachloro-m-xylene

R.T.: 2.907 min  
Delta R.T.: -0.003 min  
Response: 64596367  
Conc: 13.79 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.114 min  
Delta R.T.: -0.002 min  
Response: 38183315  
Conc: 11.26 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.083 min  
Delta R.T.: -0.004 min  
Response: 41208885  
Conc: 9.99 ng/ml

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-29                      | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-02                   | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 86.1      Decanted: |
| Sample Wt/Vol:     | 30.04      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095722.D        | 1         | 05/16/25 09:25 | 05/16/25 14:04 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.15  | U         | 0.15     | 2.00       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.21  | U         | 0.21     | 2.00       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.45  | U         | 0.45     | 2.00       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 309-00-2          | Aldrin               | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.22  | U         | 0.22     | 2.00       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-20-8           | Endrin               | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.34  | U         | 0.34     | 2.00       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.17  | U         | 0.17     | 2.00       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.15  | U         | 0.15     | 2.00       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.43  | U         | 0.43     | 2.00       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.22  | U         | 0.22     | 2.00       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.43  | U         | 0.43     | 2.00       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.17  | U         | 0.17     | 2.00       | ug/kg             |
| 8001-35-2         | Toxaphene            | 6.30  | U         | 6.30     | 38.3       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 13.2  |           | 20 - 144 | 66%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 17.9  |           | 19 - 148 | 90%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25      |
| Client Sample ID:  | TP-29                      | SDG No.:           | Q2032         |
| Lab Sample ID:     | Q2032-02                   | Matrix:            | SOIL          |
| Analytical Method: | 8081B                      | % Solid:           | 86.1          |
| Sample Wt/Vol:     | 30.04                      | Units:             | g             |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | Injection Volume : |               |
| Prep Method :      | SW3541B                    |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095722.D        | 1         | 05/16/25 09:25 | 05/16/25 14:04 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095722.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 14:04  
 Operator : AR\AJ  
 Sample : Q2032-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-29

**Manual Integrations**  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:56:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.590 | 2.907 | 73335145 | 82669342 | 17.948m | 17.649m |
| 28)                         | SA Decachlor... | 9.113 | 8.084 | 44721241 | 53243429 | 13.183  | 12.908  |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095722.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 14:04  
Operator : AR\AJ  
Sample : Q2032-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

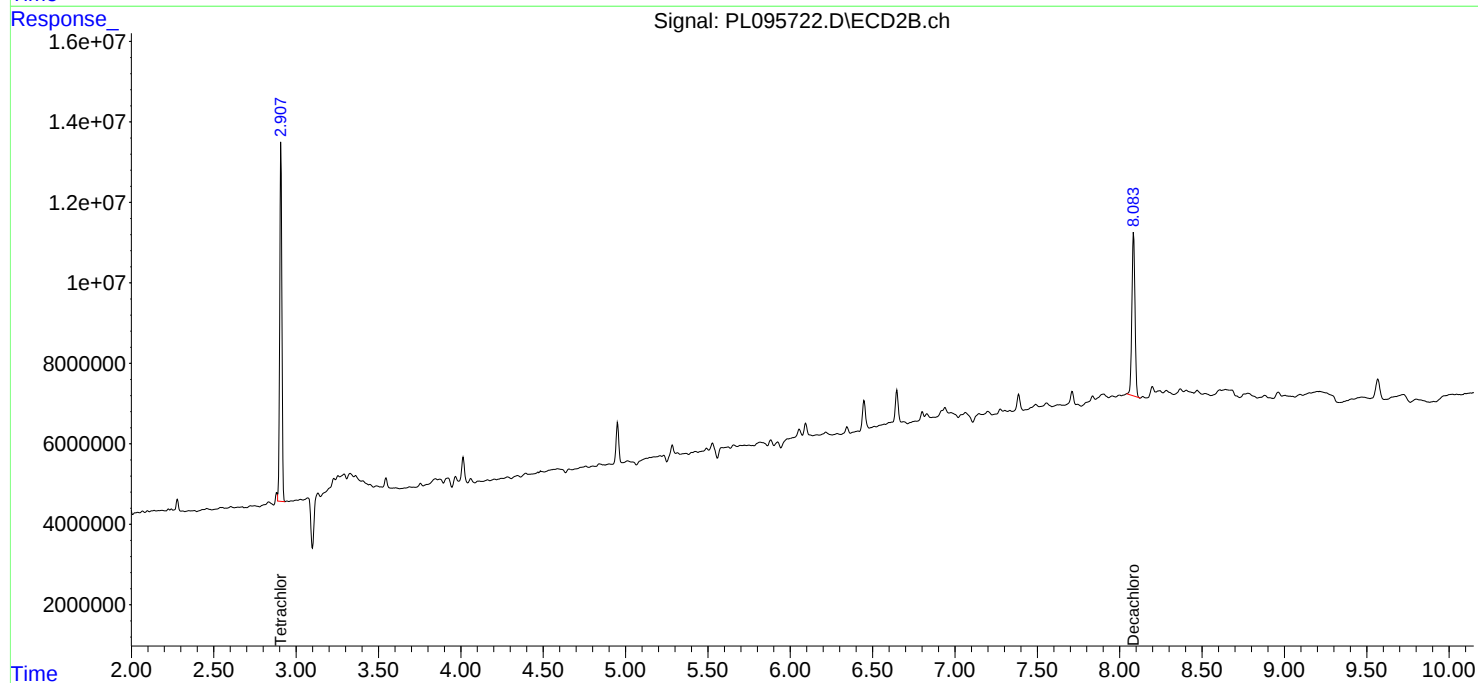
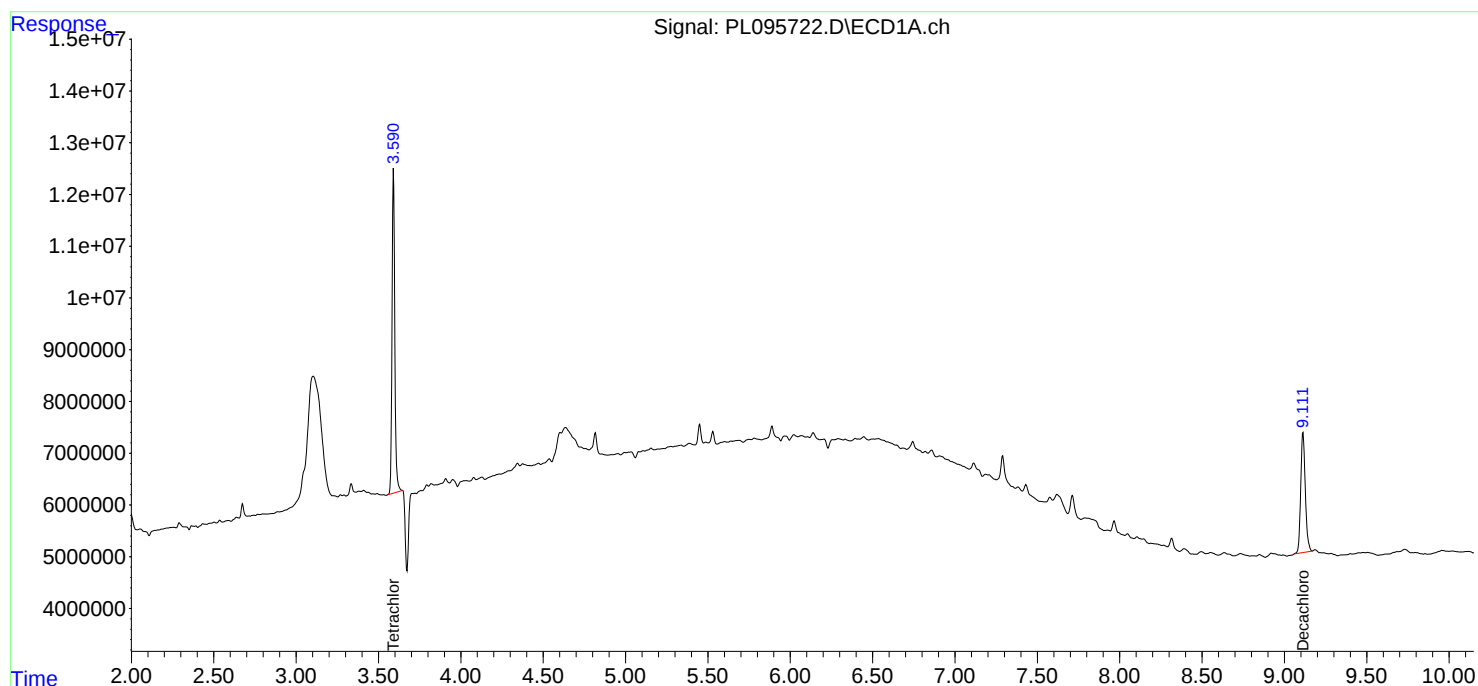
Instrument :  
ECD\_L  
ClientSampleId :  
TP-29

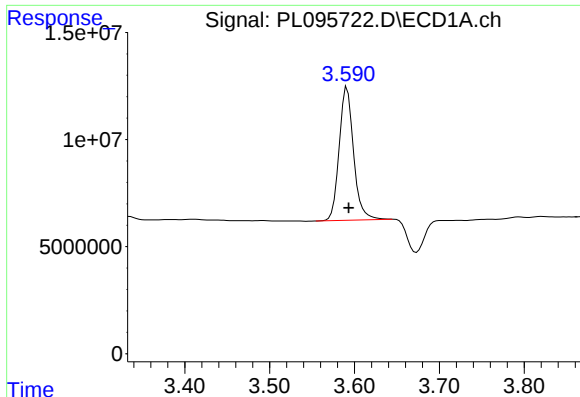
Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:56:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





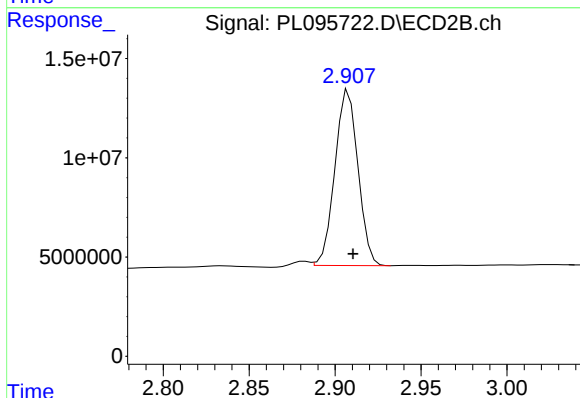
## #1 Tetrachloro-m-xylene

R.T.: 3.590 min  
Delta R.T.: -0.003 min  
Response: 73335145  
Conc: 17.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-29

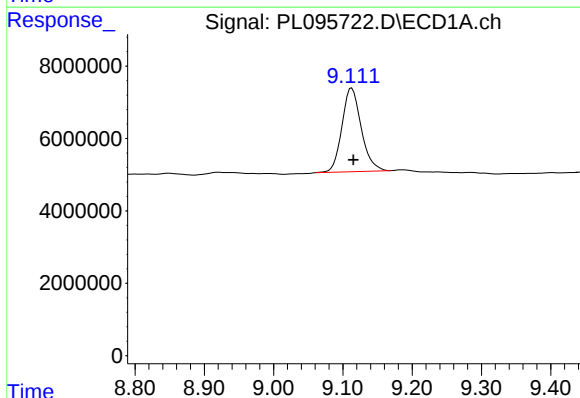
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025



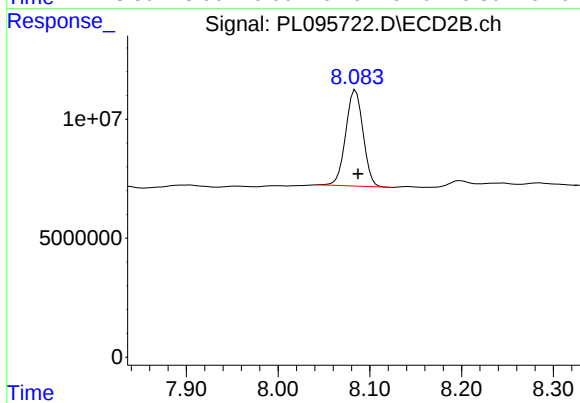
## #1 Tetrachloro-m-xylene

R.T.: 2.907 min  
Delta R.T.: -0.004 min  
Response: 82669342  
Conc: 17.65 ng/ml m



## #28 Decachlorobiphenyl

R.T.: 9.113 min  
Delta R.T.: -0.002 min  
Response: 44721241  
Conc: 13.18 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.084 min  
Delta R.T.: -0.003 min  
Response: 53243429  
Conc: 12.91 ng/ml

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-29-99                   | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-03                   | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 86.8      Decanted: |
| Sample Wt/Vol:     | 30.08      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095723.D        | 1         | 05/16/25 09:25 | 05/16/25 14:18 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.15  | U         | 0.15     | 2.00       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.21  | U         | 0.21     | 2.00       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.45  | U         | 0.45     | 2.00       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 309-00-2          | Aldrin               | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.22  | U         | 0.22     | 2.00       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-20-8           | Endrin               | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.33  | U         | 0.33     | 2.00       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.17  | U         | 0.17     | 2.00       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.15  | U         | 0.15     | 2.00       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.43  | U         | 0.43     | 2.00       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.22  | U         | 0.22     | 2.00       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.43  | U         | 0.43     | 2.00       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.17  | U         | 0.17     | 2.00       | ug/kg             |
| 8001-35-2         | Toxaphene            | 6.20  | U         | 6.20     | 37.9       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 15.5  |           | 20 - 144 | 77%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 18.6  |           | 19 - 148 | 93%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25      |
| Client Sample ID:  | TP-29-99                   | SDG No.:           | Q2032         |
| Lab Sample ID:     | Q2032-03                   | Matrix:            | SOIL          |
| Analytical Method: | 8081B                      | % Solid:           | 86.8          |
| Sample Wt/Vol:     | 30.08                      | Units:             | g             |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | SW3541B                    | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095723.D        | 1         | 05/16/25 09:25 | 05/16/25 14:18 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095723.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 14:18  
 Operator : AR\AJ  
 Sample : Q2032-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-29-99

**Manual Integrations**  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:56:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.590 | 2.907 | 75840540 | 84506185 | 18.561m | 18.041 |
| 28) SA Decachlor...         | 9.114 | 8.084 | 52499282 | 58582645 | 15.475  | 14.203 |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095723.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 14:18  
Operator : AR\AJ  
Sample : Q2032-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

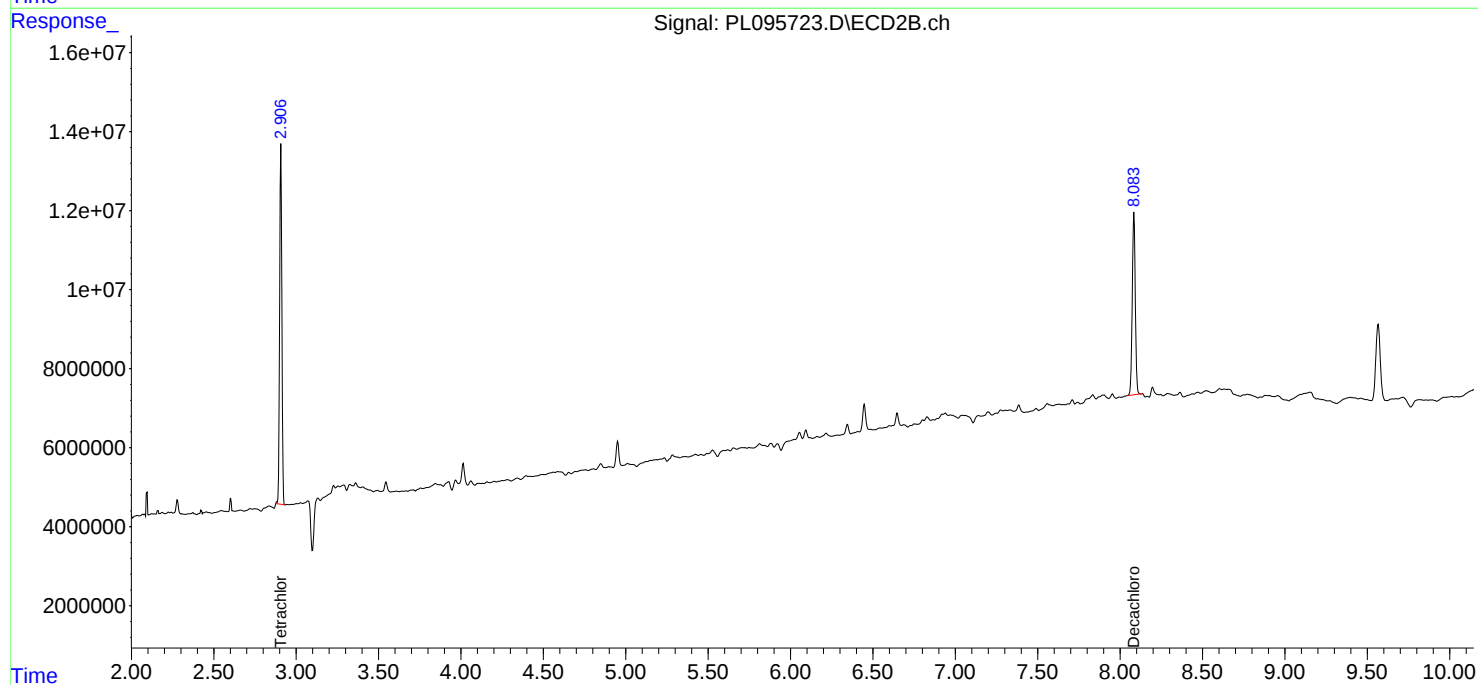
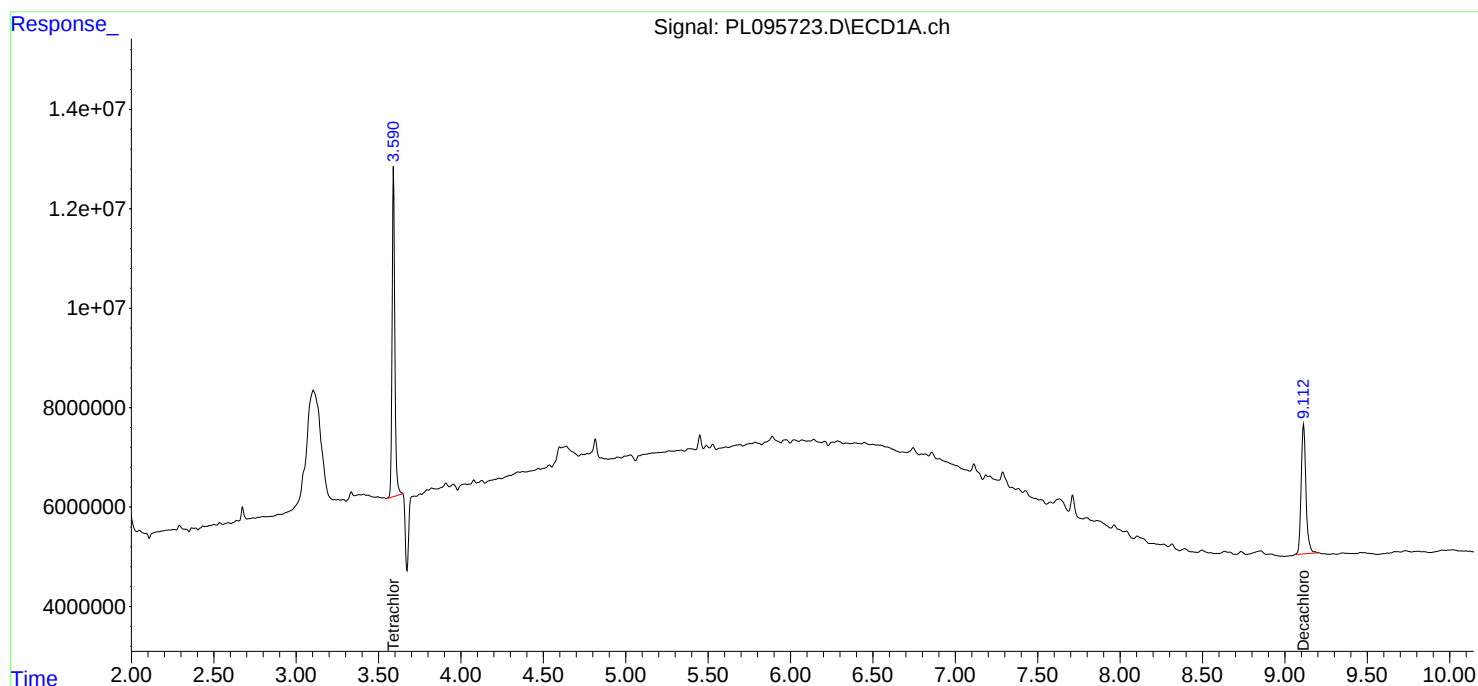
Instrument :  
ECD\_L  
ClientSampleId :  
TP-29-99

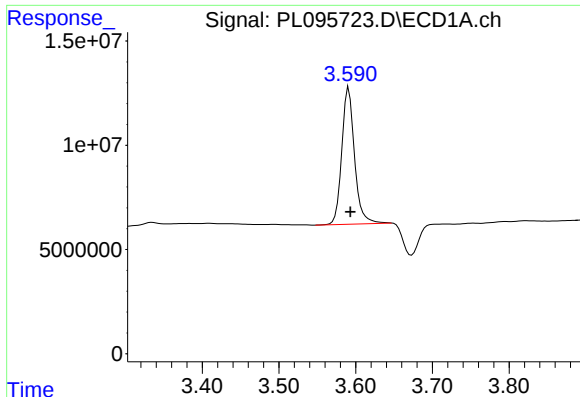
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:56:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





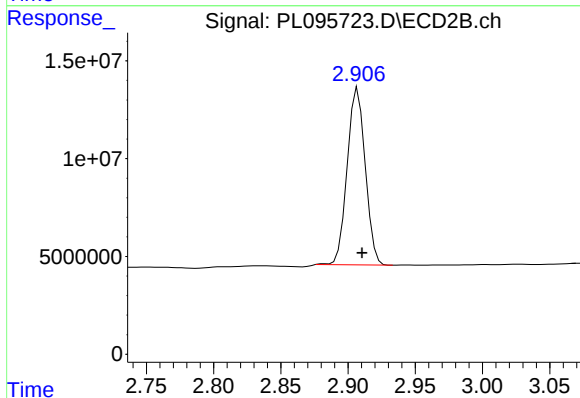
#1 Tetrachloro-m-xylene

R.T.: 3.590 min  
Delta R.T.: -0.003 min  
Response: 75840540  
Conc: 18.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-29-99

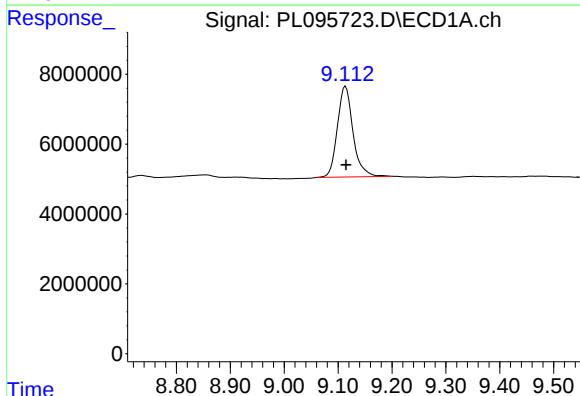
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025



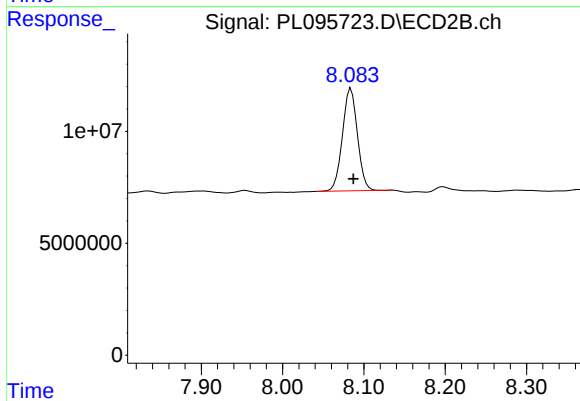
#1 Tetrachloro-m-xylene

R.T.: 2.907 min  
Delta R.T.: -0.003 min  
Response: 84506185  
Conc: 18.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.114 min  
Delta R.T.: -0.001 min  
Response: 52499282  
Conc: 15.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.084 min  
Delta R.T.: -0.003 min  
Response: 58582645  
Conc: 14.20 ng/ml

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25      |
| Client Sample ID:  | TP-24                      | SDG No.:           | Q2032         |
| Lab Sample ID:     | Q2032-04                   | Matrix:            | SOIL          |
| Analytical Method: | 8081B                      | % Solid:           | 74.2          |
| Sample Wt/Vol:     | 30.02                      | Units:             | g             |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | SW3541B                    | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095724.D        | 1         | 05/16/25 09:25 | 05/16/25 14:32 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.18  | U         | 0.18     | 2.30       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.24  | U         | 0.24     | 2.30       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.53  | U         | 0.53     | 2.30       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.19  | U         | 0.19     | 2.30       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.16  | U         | 0.16     | 2.30       | ug/kg             |
| 309-00-2          | Aldrin               | 0.16  | U         | 0.16     | 2.30       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.26  | U         | 0.26     | 2.30       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.19  | U         | 0.19     | 2.30       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.19  | U         | 0.19     | 2.30       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.19  | U         | 0.19     | 2.30       | ug/kg             |
| 72-20-8           | Endrin               | 0.19  | U         | 0.19     | 2.30       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.39  | U         | 0.39     | 2.30       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.20  | U         | 0.20     | 2.30       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.18  | U         | 0.18     | 2.30       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.19  | U         | 0.19     | 2.30       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.50  | U         | 0.50     | 2.30       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.26  | U         | 0.26     | 2.30       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.50  | U         | 0.50     | 2.30       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.16  | U         | 0.16     | 2.30       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.20  | U         | 0.20     | 2.30       | ug/kg             |
| 8001-35-2         | Toxaphene            | 7.30  | U         | 7.30     | 44.4       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 14.5  |           | 20 - 144 | 73%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 17.4  |           | 19 - 148 | 87%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-24                      | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-04                   | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 74.2      Decanted: |
| Sample Wt/Vol:     | 30.02      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095724.D        | 1         | 05/16/25 09:25 | 05/16/25 14:32 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095724.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 14:32  
 Operator : AR\AJ  
 Sample : Q2032-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-24

**Manual Integrations**  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:56:44 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.589 | 2.908 | 70106068 | 81700412 | 17.158m | 17.442 |
| 28) SA Decachlor...         | 9.113 | 8.084 | 49262894 | 58295180 | 14.521  | 14.133 |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095724.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 14:32  
Operator : AR\AJ  
Sample : Q2032-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

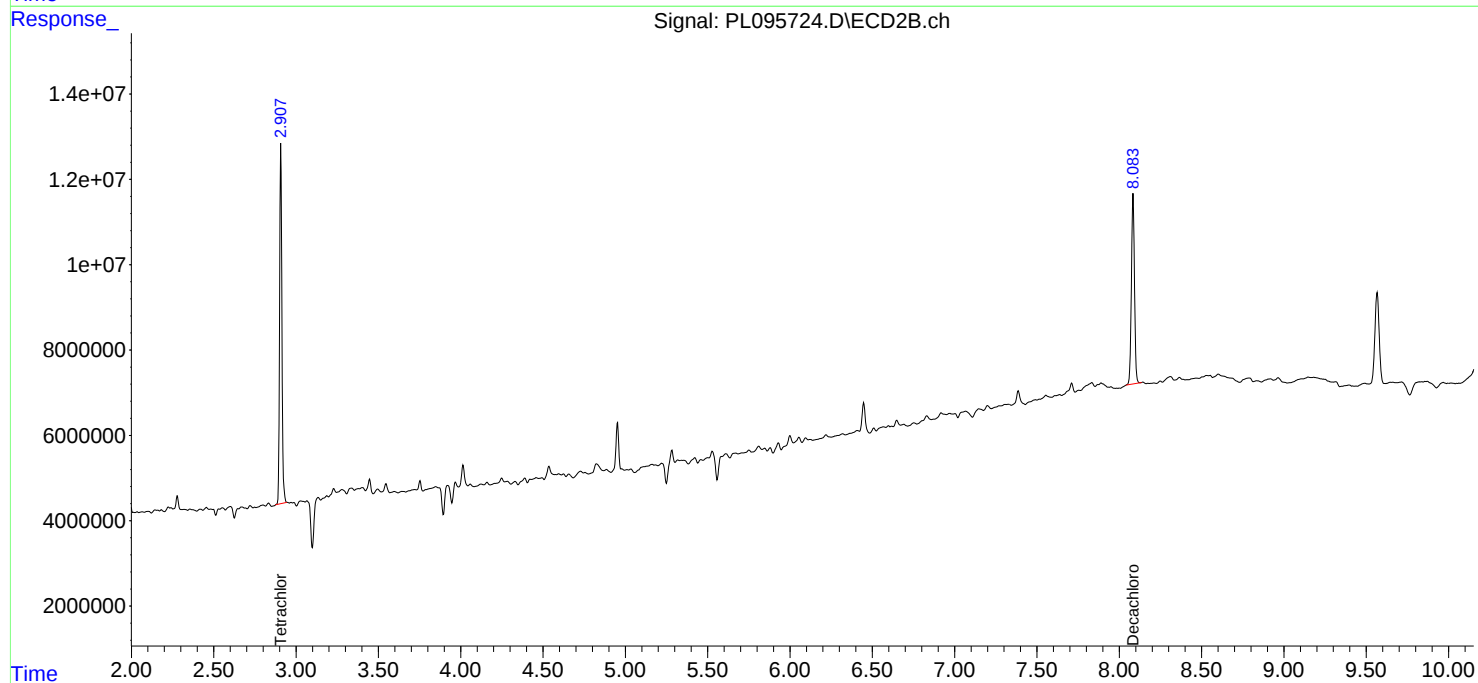
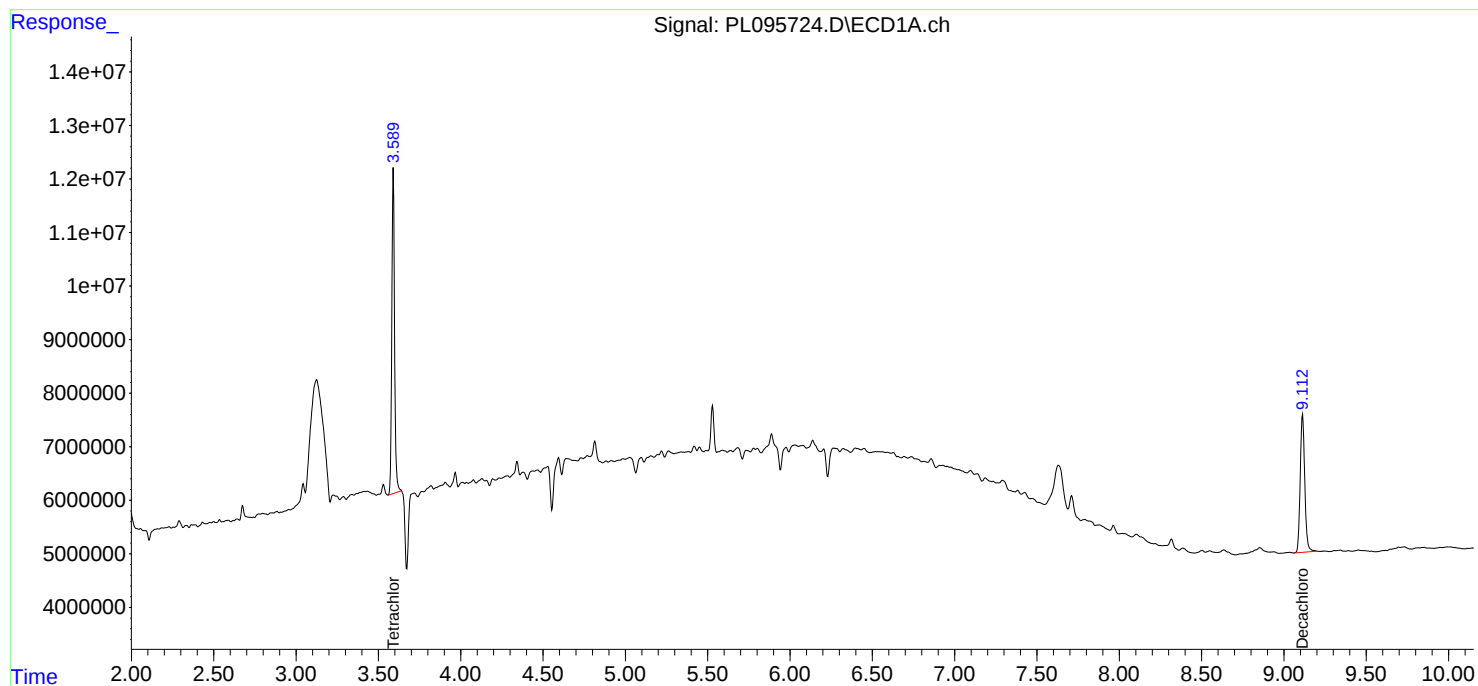
Instrument :  
ECD\_L  
ClientSampleId :  
TP-24

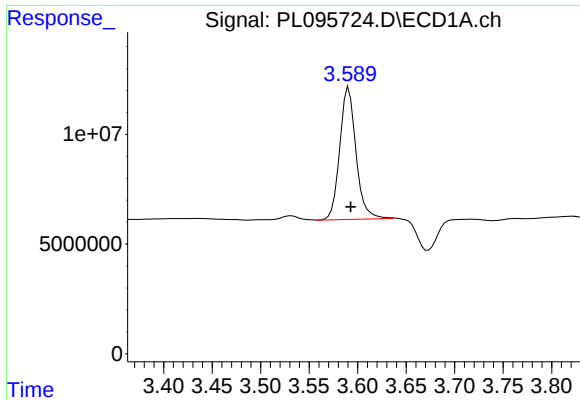
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:56:44 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





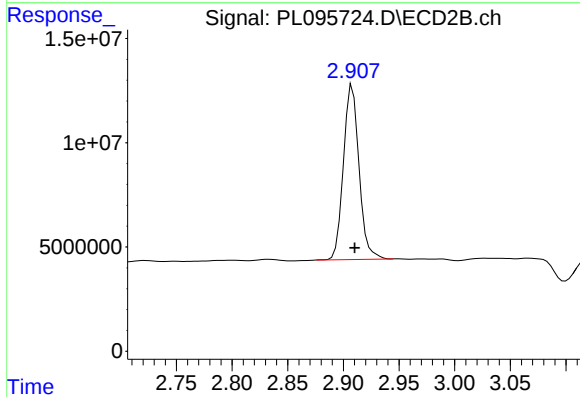
## #1 Tetrachloro-m-xylene

R.T.: 3.589 min  
Delta R.T.: -0.004 min  
Response: 70106068  
Conc: 17.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-24

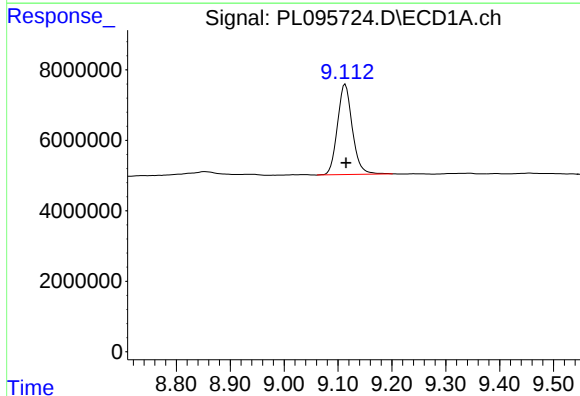
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025



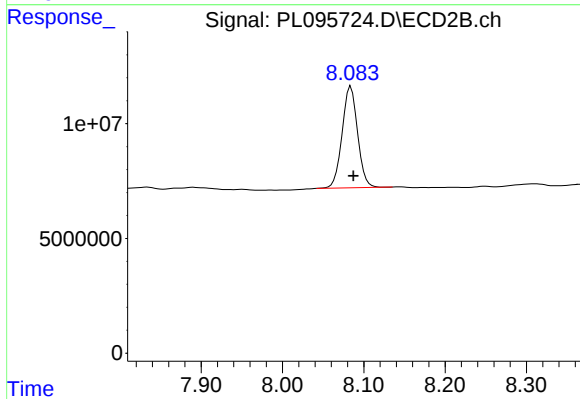
## #1 Tetrachloro-m-xylene

R.T.: 2.908 min  
Delta R.T.: -0.002 min  
Response: 81700412  
Conc: 17.44 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.113 min  
Delta R.T.: -0.002 min  
Response: 49262894  
Conc: 14.52 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.084 min  
Delta R.T.: -0.003 min  
Response: 58295180  
Conc: 14.13 ng/ml

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-37                      | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-07                   | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 82.5      Decanted: |
| Sample Wt/Vol:     | 30.03      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095727.D        | 1         | 05/16/25 09:25 | 05/16/25 15:13 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.16  | U         | 0.16     | 2.10       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.22  | U         | 0.22     | 2.10       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.47  | U         | 0.47     | 2.10       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.17  | U         | 0.17     | 2.10       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.15  | U         | 0.15     | 2.10       | ug/kg             |
| 309-00-2          | Aldrin               | 0.15  | U         | 0.15     | 2.10       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.23  | U         | 0.23     | 2.10       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.17  | U         | 0.17     | 2.10       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.17  | U         | 0.17     | 2.10       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.17  | U         | 0.17     | 2.10       | ug/kg             |
| 72-20-8           | Endrin               | 0.17  | U         | 0.17     | 2.10       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.35  | U         | 0.35     | 2.10       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.18  | U         | 0.18     | 2.10       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.16  | U         | 0.16     | 2.10       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.17  | U         | 0.17     | 2.10       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.45  | U         | 0.45     | 2.10       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.23  | U         | 0.23     | 2.10       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.45  | U         | 0.45     | 2.10       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.15  | U         | 0.15     | 2.10       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.18  | U         | 0.18     | 2.10       | ug/kg             |
| 8001-35-2         | Toxaphene            | 6.60  | U         | 6.60     | 40.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 11.6  |           | 20 - 144 | 58%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 15.0  |           | 19 - 148 | 75%        | SPK: 20           |

## Report of Analysis

|                    |                            |          |                    |               |           |
|--------------------|----------------------------|----------|--------------------|---------------|-----------|
| Client:            | CDM Smith                  |          | Date Collected:    | 05/13/25      |           |
| Project:           | South River WM Replacement |          | Date Received:     | 05/13/25      |           |
| Client Sample ID:  | TP-37                      |          | SDG No.:           | Q2032         |           |
| Lab Sample ID:     | Q2032-07                   |          | Matrix:            | SOIL          |           |
| Analytical Method: | 8081B                      |          | % Solid:           | 82.5          | Decanted: |
| Sample Wt/Vol:     | 30.03                      | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                            | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                            |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                        | PH :     |                    |               |           |
| Prep Method :      | SW3541B                    |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095727.D        | 1         | 05/16/25 09:25 | 05/16/25 15:13 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095727.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 15:13  
 Operator : AR\AJ  
 Sample : Q2032-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-37

**Manual Integrations**  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:57:15 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.589 | 2.907 | 61435896 | 70287484 | 15.036m | 15.006 |
| 28) SA Decachlor...         | 9.112 | 8.084 | 37655547 | 47819745 | 11.100m | 11.593 |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095727.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 15:13  
Operator : AR\AJ  
Sample : Q2032-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

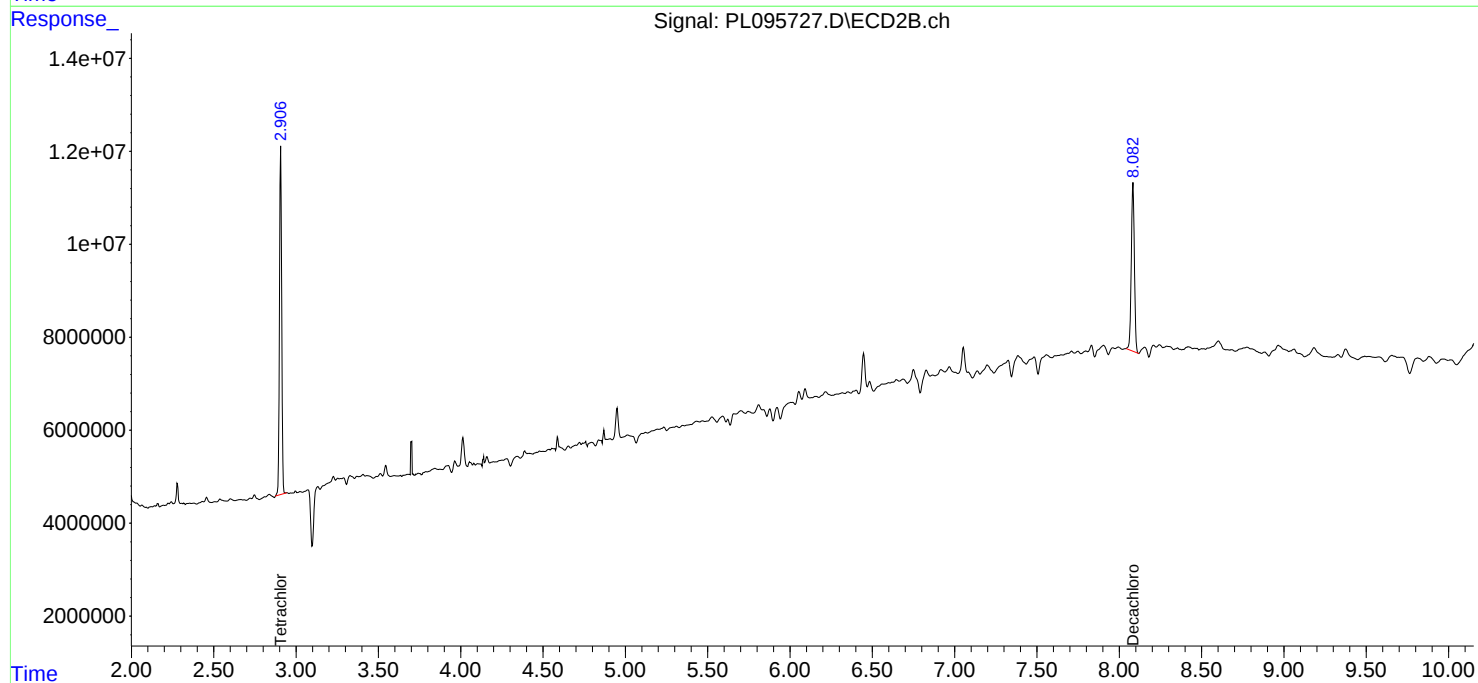
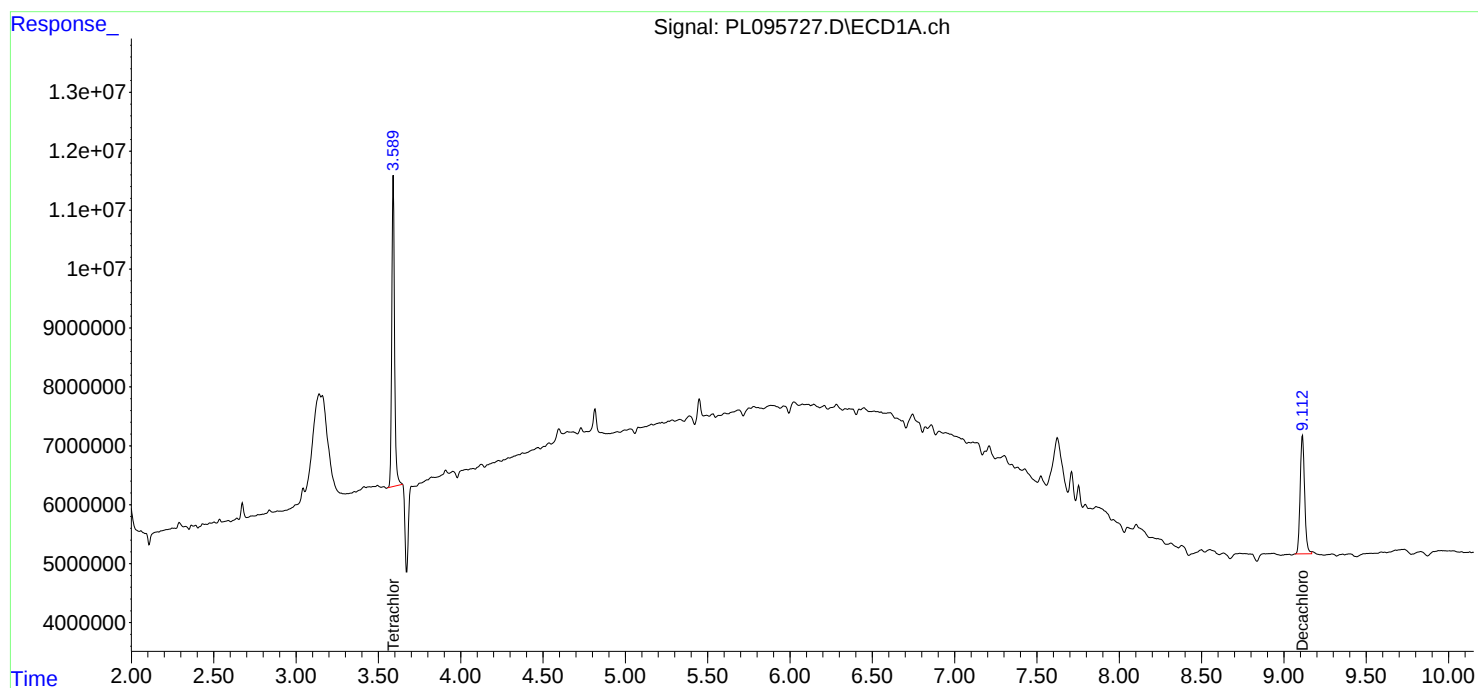
Instrument :  
ECD\_L  
ClientSampleId :  
TP-37

Manual Integrations  
**APPROVED**

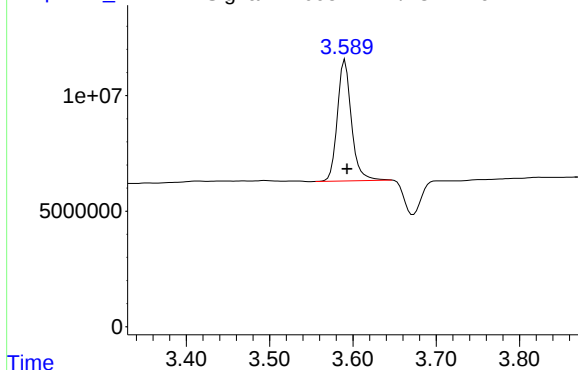
Reviewed By : Abdul Mirza 05/19/2025  
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:57:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Response\_ Signal: PL095727.D\ECD1A.ch



#1 Tetrachloro-m-xylene

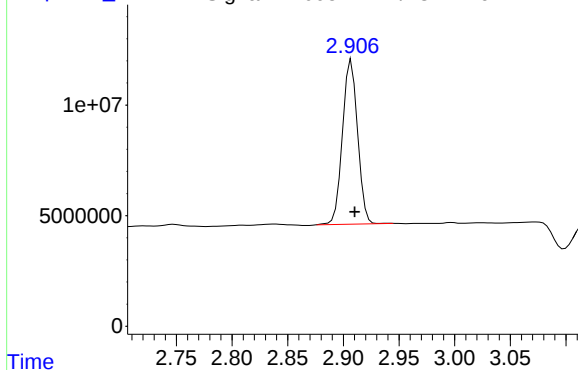
R.T.: 3.589 min  
Delta R.T.: -0.004 min  
Response: 61435896  
Conc: 15.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-37

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025

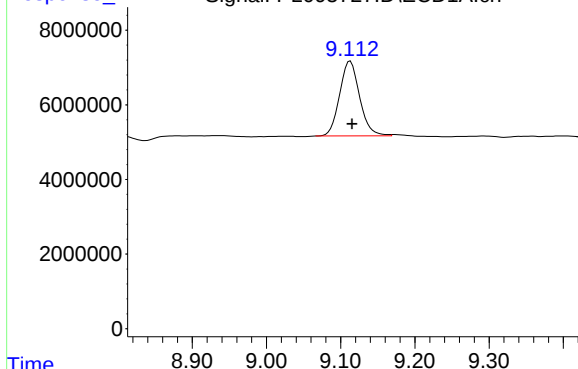
Response\_ Signal: PL095727.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.907 min  
Delta R.T.: -0.003 min  
Response: 70287484  
Conc: 15.01 ng/ml

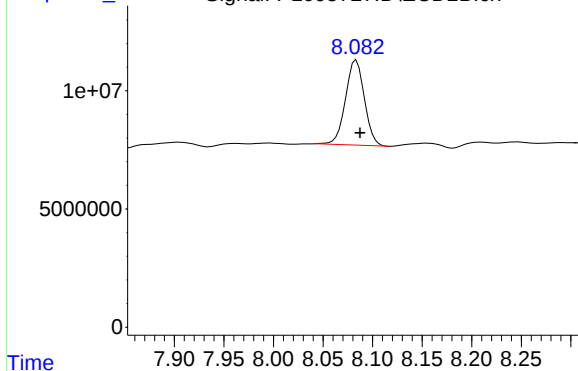
Response\_ Signal: PL095727.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.112 min  
Delta R.T.: -0.004 min  
Response: 37655547  
Conc: 11.10 ng/ml m

Response\_ Signal: PL095727.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.084 min  
Delta R.T.: -0.004 min  
Response: 47819745  
Conc: 11.59 ng/ml

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25      |
| Client Sample ID:  | TP-32                      | SDG No.:           | Q2032         |
| Lab Sample ID:     | Q2032-08                   | Matrix:            | SOIL          |
| Analytical Method: | 8081B                      | % Solid:           | 86.8          |
| Sample Wt/Vol:     | 30.01                      | Units:             | g             |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | Injection Volume : |               |
| Prep Method :      | SW3541B                    |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095728.D        | 1         | 05/16/25 09:25 | 05/16/25 15:27 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.15  | U         | 0.15     | 2.00       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.21  | U         | 0.21     | 2.00       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.45  | U         | 0.45     | 2.00       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 309-00-2          | Aldrin               | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.22  | U         | 0.22     | 2.00       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-20-8           | Endrin               | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.33  | U         | 0.33     | 2.00       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.17  | U         | 0.17     | 2.00       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.15  | U         | 0.15     | 2.00       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.16  | U         | 0.16     | 2.00       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.43  | U         | 0.43     | 2.00       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.22  | U         | 0.22     | 2.00       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.43  | U         | 0.43     | 2.00       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.14  | U         | 0.14     | 2.00       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.17  | U         | 0.17     | 2.00       | ug/kg             |
| 8001-35-2         | Toxaphene            | 6.20  | U         | 6.20     | 38.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 14.2  |           | 20 - 144 | 71%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 18.4  |           | 19 - 148 | 92%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25      |
| Client Sample ID:  | TP-32                      | SDG No.:           | Q2032         |
| Lab Sample ID:     | Q2032-08                   | Matrix:            | SOIL          |
| Analytical Method: | 8081B                      | % Solid:           | 86.8          |
| Sample Wt/Vol:     | 30.01                      | Units:             | g             |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | Injection Volume : |               |
| Prep Method :      | SW3541B                    |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095728.D        | 1         | 05/16/25 09:25 | 05/16/25 15:27 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095728.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 15:27  
 Operator : AR\AJ  
 Sample : Q2032-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-32

**Manual Integrations**  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:57:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.589 | 2.906 | 75339377 | 85484545 | 18.438m | 18.250m |
| 28) SA Decachlor...         | 9.113 | 8.084 | 46283029 | 58626370 | 13.643  | 14.213  |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095728.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 15:27  
Operator : AR\AJ  
Sample : Q2032-08  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

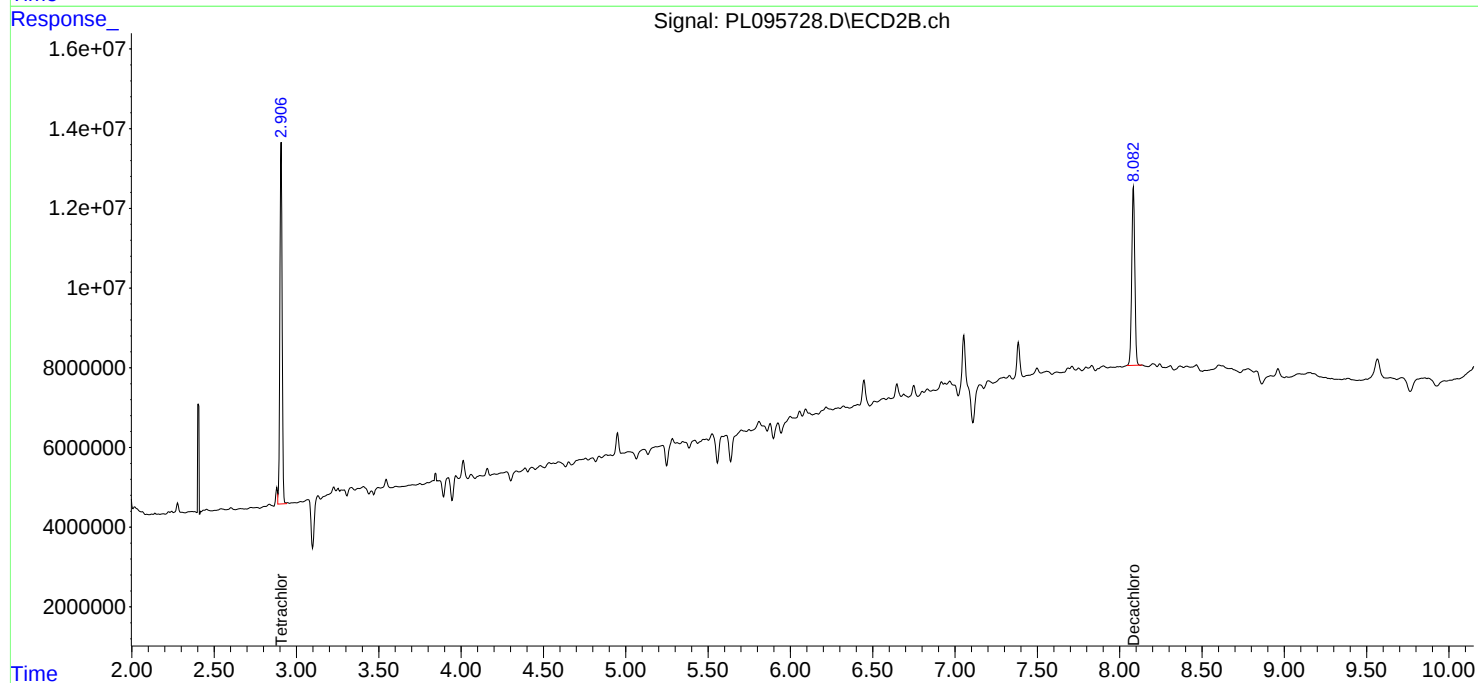
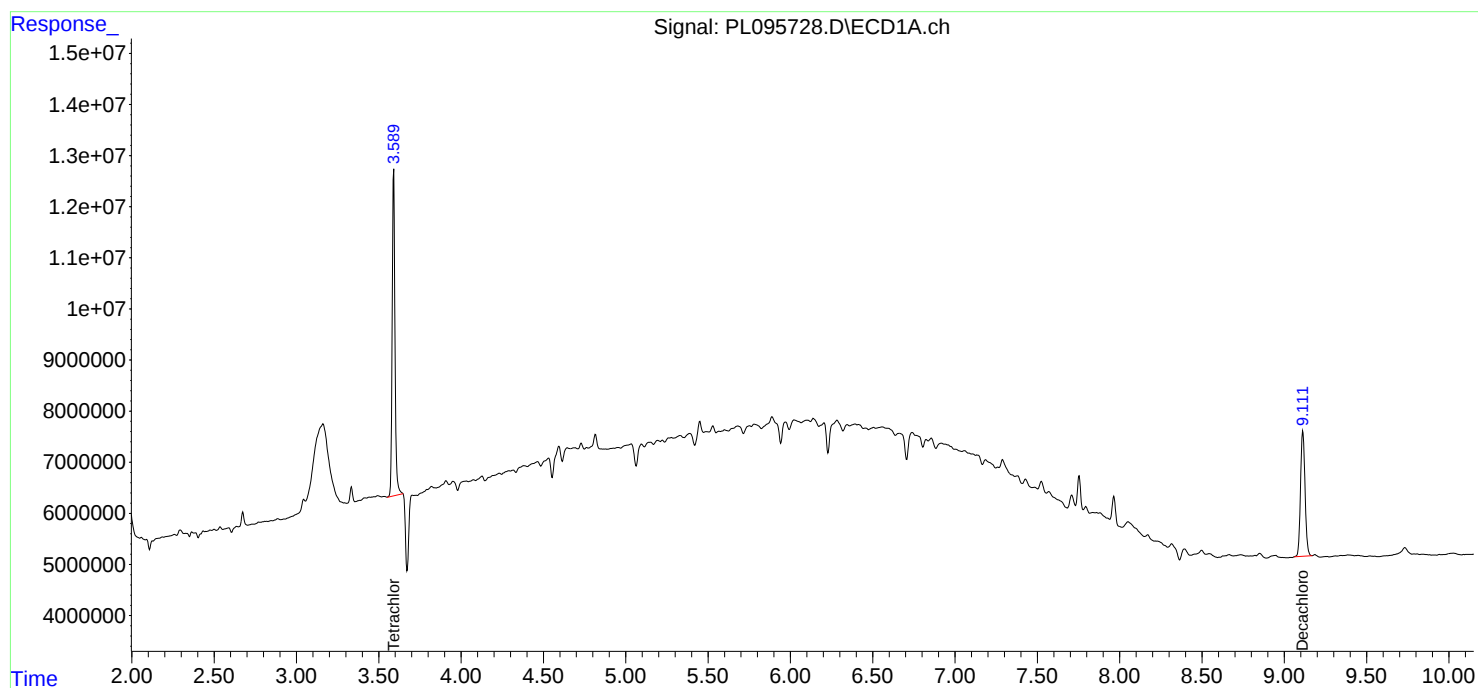
Instrument :  
ECD\_L  
ClientSampleId :  
TP-32

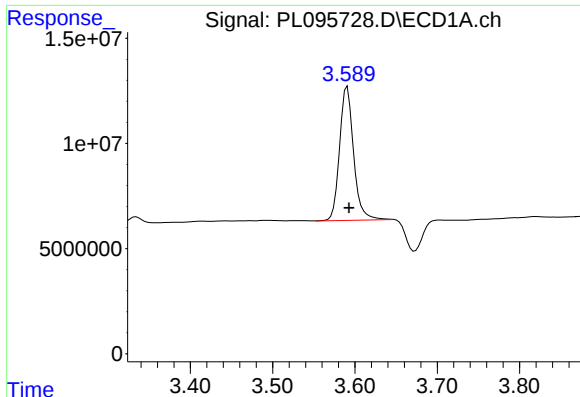
Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:57:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





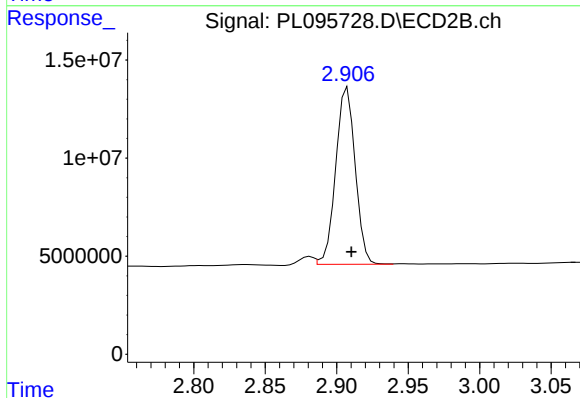
#1 Tetrachloro-m-xylene

R.T.: 3.589 min  
Delta R.T.: -0.004 min  
Response: 75339377  
Conc: 18.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-32

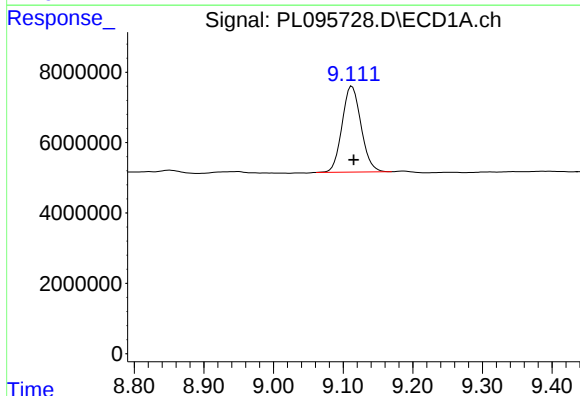
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025



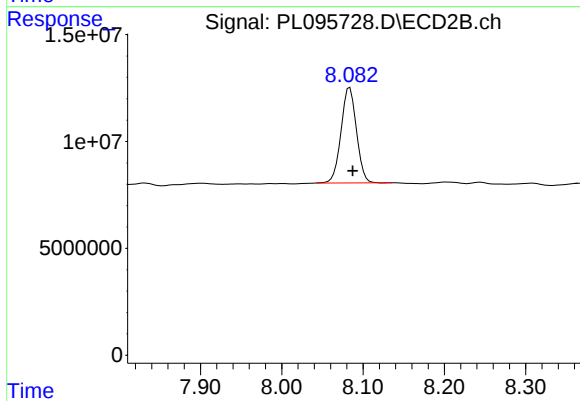
#1 Tetrachloro-m-xylene

R.T.: 2.906 min  
Delta R.T.: -0.004 min  
Response: 85484545  
Conc: 18.25 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.113 min  
Delta R.T.: -0.003 min  
Response: 46283029  
Conc: 13.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.084 min  
Delta R.T.: -0.004 min  
Response: 58626370  
Conc: 14.21 ng/ml

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25         |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25         |
| Client Sample ID:  | FB-05132025                | SDG No.:           | Q2032            |
| Lab Sample ID:     | Q2032-11                   | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 980      Units:    mL      | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095672.D        | 1         | 05/14/25 09:06 | 05/14/25 17:36 | PB168004      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0040 | U         | 0.0040   | 0.051      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0050 | U         | 0.0050   | 0.051      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.051      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0038 | U         | 0.0038   | 0.051      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0028 | U         | 0.0028   | 0.051      | ug/L    |
| 309-00-2          | Aldrin               | 0.0037 | U         | 0.0037   | 0.051      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0098 | U         | 0.0098   | 0.051      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0032 | U         | 0.0032   | 0.051      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0037 | U         | 0.0037   | 0.051      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0038 | U         | 0.0038   | 0.051      | ug/L    |
| 72-20-8           | Endrin               | 0.0033 | U         | 0.0033   | 0.051      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0081 | U         | 0.0081   | 0.051      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0072 | U         | 0.0072   | 0.051      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0038 | U         | 0.0038   | 0.051      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0036 | U         | 0.0036   | 0.051      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.051      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0095 | U         | 0.0095   | 0.051      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.051      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0036 | U         | 0.0036   | 0.051      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0040 | U         | 0.0040   | 0.051      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 9.36   |           | 43 - 140 | 47%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.1   |           | 77 - 126 | 101%       | SPK: 20 |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25      |
| Client Sample ID:  | FB-05132025                | SDG No.:           | Q2032         |
| Lab Sample ID:     | Q2032-11                   | Matrix:            | WATER         |
| Analytical Method: | 8081B                      | % Solid:           | 0             |
| Sample Wt/Vol:     | 980                        | Units:             | mL            |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | 3510C                      | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095672.D        | 1         | 05/14/25 09:06 | 05/14/25 17:36 | PB168004      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051425\  
 Data File : PL095672.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 17:36  
 Operator : AR\AJ  
 Sample : Q2032-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 FB-05132025

**Manual Integrations**  
**APPROVED**

Reviewed By : Abdul Mirza 05/15/2025  
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 15 02:11:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.591 | 2.905 | 82183183 | 90062167 | 20.113 | 19.227 |
| 28) SA Decachlor...         | 9.112 | 8.078 | 31756719 | 35379222 | 9.361  | 8.577m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095672.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 17:36  
Operator : AR\AJ  
Sample : Q2032-11  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

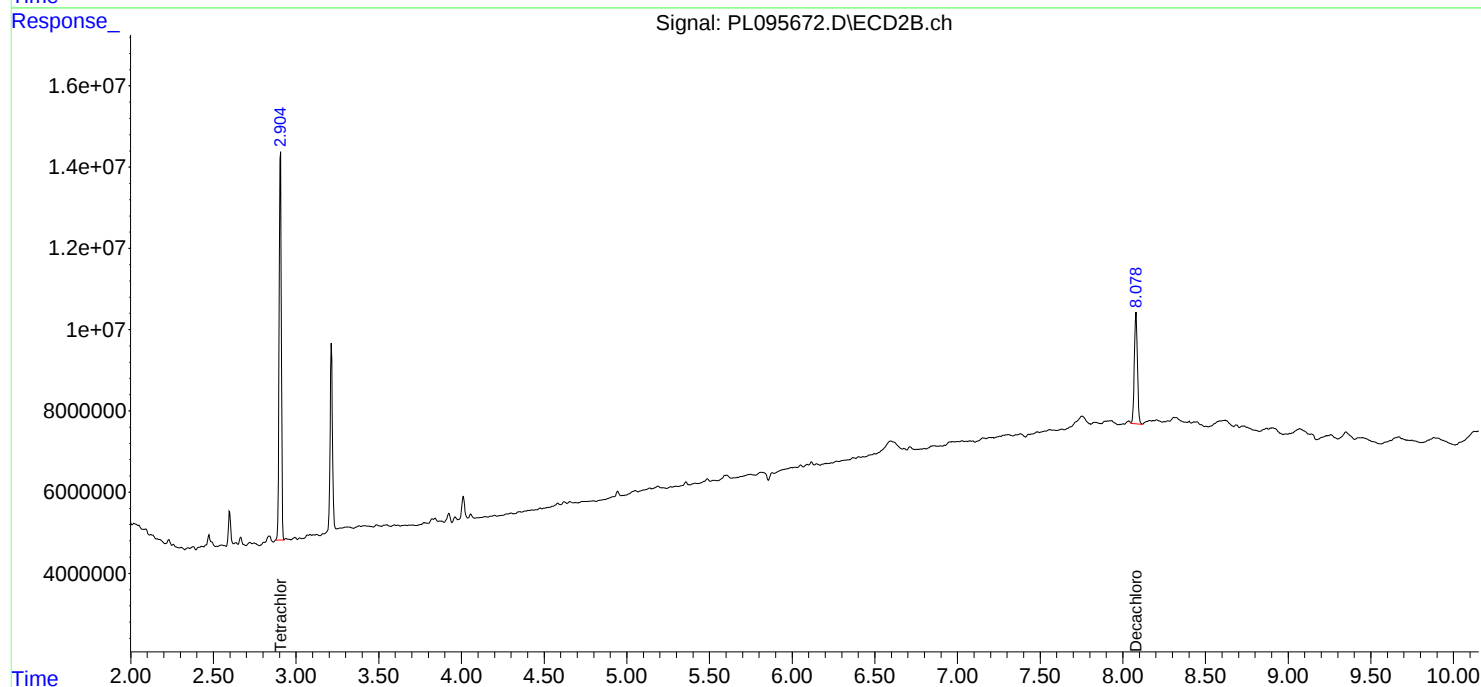
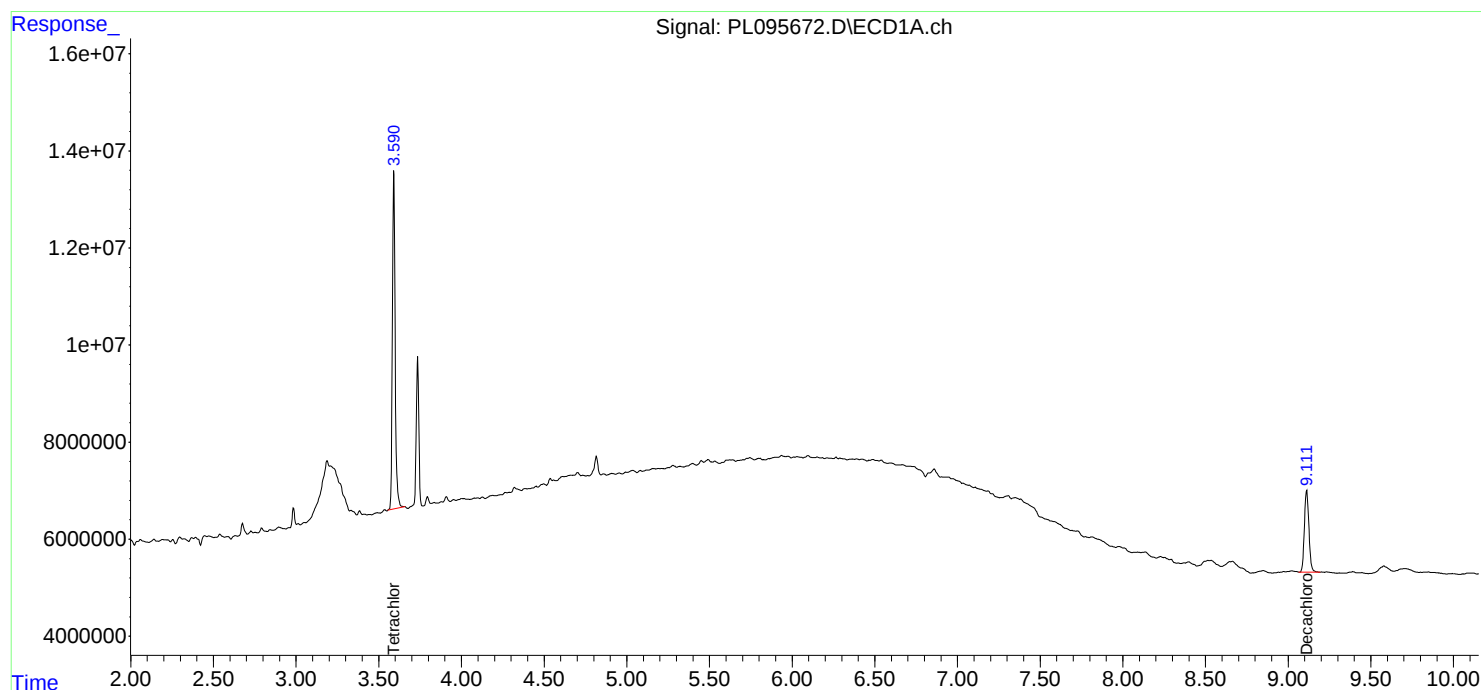
Instrument :  
ECD\_L  
ClientSampleId :  
FB-05132025

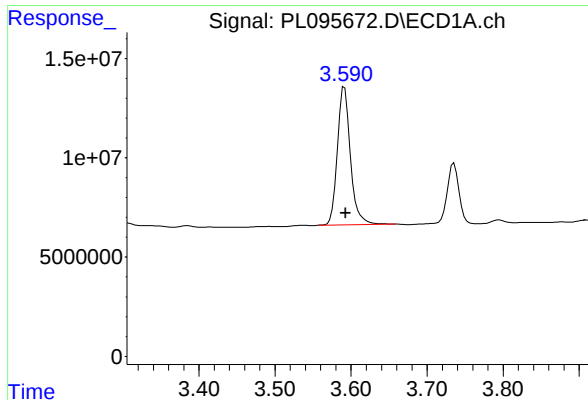
Manual Integrations  
**APPROVED**

Reviewed By :Abdul Mirza 05/15/2025  
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:11:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





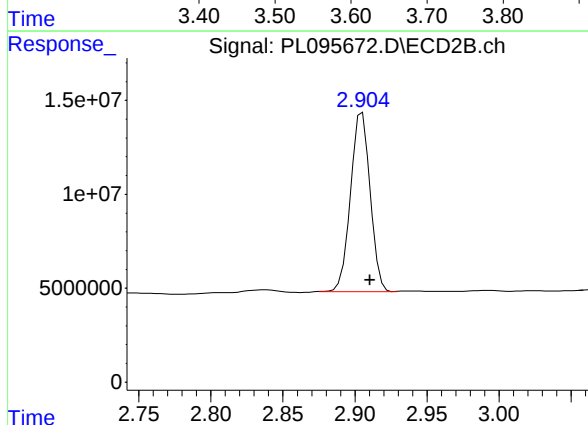
## #1 Tetrachloro-m-xylene

R.T.: 3.591 min  
Delta R.T.: -0.002 min  
Response: 82183183  
Conc: 20.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FB-05132025

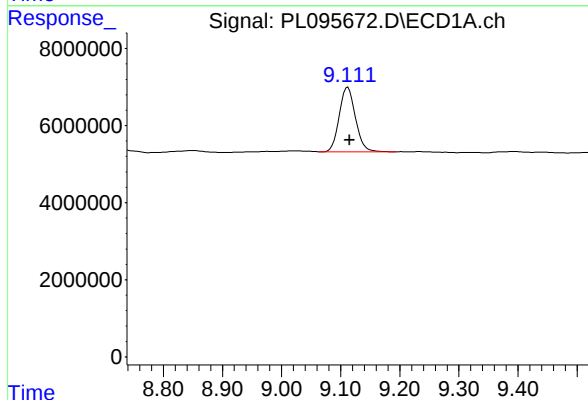
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/15/2025  
Supervised By :mohammad ahmed 05/16/2025



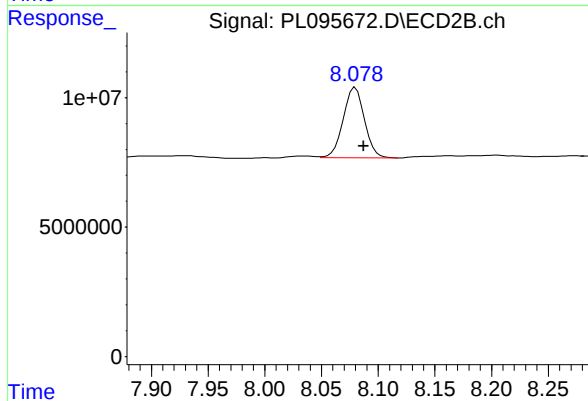
## #1 Tetrachloro-m-xylene

R.T.: 2.905 min  
Delta R.T.: -0.005 min  
Response: 90062167  
Conc: 19.23 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.112 min  
Delta R.T.: -0.003 min  
Response: 31756719  
Conc: 9.36 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.078 min  
Delta R.T.: -0.009 min  
Response: 35379222  
Conc: 8.58 ng/ml m



# CALIBRATION SUMMARY

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

[illegible]

**Calibration Times:** 12:24 13:18

|              |          |                   |          |                   |
|--------------|----------|-------------------|----------|-------------------|
| LAB FILE ID: | RT 100 = | <u>PL095633.D</u> | RT 075 = | <u>PL095634.D</u> |
|              | RT 050 = | PL095635.D        | RT 025 = | PL095636.D        |
|              |          |                   | RT 005 = | PL095637.D        |

[illegible]



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

### CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Instrument ID: ECD\_L

Calibration Date(s): 05/13/2025 05/13/2025

Calibration Times: 12:24 13:18

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL095633.D</u> | CF 075 =          | <u>PL095634.D</u> |                   |       |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |            | <u>PL095635.D</u> | CF 025 =          | <u>PL095636.D</u> | CF 005 =          | <u>PL095637.D</u> |       |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| 4,4'-DDD             | 3724180000 | 3615440000        | 3845500000        | 3755380000        | 4487640000        | 3885630000        | 9     |
| 4,4'-DDE             | 5115100000 | 5056510000        | 5273930000        | 5055030000        | 5093610000        | 5118840000        | 2     |
| 4,4'-DDT             | 3731190000 | 3498170000        | 3737730000        | 3498480000        | 3523530000        | 3597820000        | 3     |
| Aldrin               | 5656710000 | 5475340000        | 5857400000        | 5571770000        | 6157110000        | 5743670000        | 5     |
| alpha-BHC            | 5880440000 | 5610320000        | 6059000000        | 5657950000        | 6048070000        | 5851160000        | 4     |
| alpha-Chlordane      | 5115120000 | 5053760000        | 5300630000        | 4951310000        | 5567950000        | 5197760000        | 5     |
| beta-BHC             | 2316720000 | 2275200000        | 2472760000        | 2434610000        | 2746220000        | 2449100000        | 8     |
| Decachlorobiphenyl   | 3263100000 | 3164230000        | 3439620000        | 3398370000        | 3696830000        | 3392430000        | 6     |
| delta-BHC            | 5369660000 | 5192470000        | 5528070000        | 5258690000        | 5815070000        | 5432790000        | 5     |
| Dieldrin             | 4848080000 | 4698790000        | 4985910000        | 4868150000        | 5239590000        | 4928100000        | 4     |
| Endosulfan I         | 4769320000 | 4843370000        | 4970980000        | 4687740000        | 5205980000        | 4895480000        | 4     |
| Endosulfan II        | 3997520000 | 3868800000        | 4186610000        | 4099080000        | 4688360000        | 4168070000        | 8     |
| Endosulfan sulfate   | 3547180000 | 3441840000        | 3696550000        | 3659570000        | 4006660000        | 3670360000        | 6     |
| Endrin               | 3792380000 | 3634820000        | 3919500000        | 3690050000        | 4116120000        | 3830580000        | 5     |
| Endrin aldehyde      | 2891790000 | 2797610000        | 2994940000        | 2945510000        | 3049560000        | 2935880000        | 3     |
| Endrin ketone        | 3685850000 | 3539570000        | 3815170000        | 3742630000        | 3948430000        | 3746330000        | 4     |
| gamma-BHC (Lindane)  | 5512790000 | 5311740000        | 5711440000        | 5395610000        | 5898760000        | 5566070000        | 4     |
| gamma-Chlordane      | 5212880000 | 5257250000        | 5381410000        | 5200230000        | 5724460000        | 5355250000        | 4     |
| Heptachlor           | 5306840000 | 5122860000        | 5549490000        | 5305820000        | 5944320000        | 5445870000        | 6     |
| Heptachlor epoxide   | 4810960000 | 4767000000        | 5056910000        | 4962340000        | 6312460000        | 5181930000        | 12    |
| Methoxychlor         | 1693500000 | 1596670000        | 1725250000        | 1635470000        | 1779310000        | 1686040000        | 4     |
| Tetrachloro-m-xylene | 3874020000 | 3805730000        | 4141150000        | 4025270000        | 4583870000        | 4086010000        | 8     |
| Decachlorobiphenyl   | 333185000  | 302211000         | 315043000         | 324986000         | 364038000         | 327893000         | 7     |
| Tetrachloro-m-xylene | 440880000  | 374351000         | 373001000         | 371569000         | 404431000         | 392847000         | 8     |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CAMP02  
**Lab Code:** CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032  
**Instrument ID:** ECD\_L  
**Calibration Date(s):** 05/13/2025 05/13/2025  
**Calibration Times:** 12:24 13:18  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL095633.D</u> |            | <b>CF 075 =</b> <u>PL095634.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL095635.D</u> |            | <b>CF 025 =</b> <u>PL095636.D</u> |            | <b>CF 005 =</b> <u>PL095637.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 4787810000 | 4759050000                        | 5100100000 | 5176620000                        | 5889890000 | 5142690000 | 9     |
| 4,4'-DDE                          | 5541410000 | 5757300000                        | 5834490000 | 5945430000                        | 6760470000 | 5967820000 | 8     |
| 4,4'-DDT                          | 4924180000 | 4742950000                        | 5056760000 | 4991100000                        | 5379270000 | 5018850000 | 5     |
| Aldrin                            | 5877100000 | 5797740000                        | 6379100000 | 6365220000                        | 7470490000 | 6377930000 | 10    |
| alpha-BHC                         | 6724760000 | 6666940000                        | 7256060000 | 7120850000                        | 7988420000 | 7151400000 | 7     |
| alpha-Chlordane                   | 5390270000 | 5291900000                        | 5733920000 | 5877890000                        | 7216910000 | 5902180000 | 13    |
| beta-BHC                          | 2713030000 | 2702380000                        | 2952570000 | 3051910000                        | 3665450000 | 3017070000 | 13    |
| Decachlorobiphenyl                | 3838730000 | 3743820000                        | 4090550000 | 4160220000                        | 4790320000 | 4124730000 | 10    |
| delta-BHC                         | 6438070000 | 6331800000                        | 6853040000 | 6769900000                        | 7641130000 | 6806790000 | 8     |
| Dieldrin                          | 5684630000 | 5740380000                        | 6107790000 | 6124060000                        | 7106700000 | 6152710000 | 9     |
| Endosulfan I                      | 5036730000 | 4594760000                        | 5350430000 | 5281440000                        | 5596530000 | 5171980000 | 7     |
| Endosulfan II                     | 4960600000 | 4948790000                        | 5336760000 | 5412680000                        | 6723180000 | 5476400000 | 13    |
| Endosulfan sulfate                | 4490550000 | 4455090000                        | 4878740000 | 5017150000                        | 6017340000 | 4971770000 | 13    |
| Endrin                            | 4974420000 | 4892430000                        | 5310370000 | 5281210000                        | 6179910000 | 5327670000 | 10    |
| Endrin aldehyde                   | 3616210000 | 3577770000                        | 3754660000 | 3826980000                        | 4368350000 | 3828790000 | 8     |
| Endrin ketone                     | 5472300000 | 5345090000                        | 5829930000 | 5936200000                        | 6799410000 | 5876590000 | 10    |
| gamma-BHC (Lindane)               | 6348730000 | 6261060000                        | 6803400000 | 6748260000                        | 7601600000 | 6752610000 | 8     |
| gamma-Chlordane                   | 5527850000 | 5447230000                        | 5837580000 | 5973410000                        | 6995680000 | 5956350000 | 10    |
| Heptachlor                        | 5991450000 | 5920390000                        | 6520000000 | 6520200000                        | 7665110000 | 6523430000 | 11    |
| Heptachlor epoxide                | 5269490000 | 5234320000                        | 5741580000 | 5826880000                        | 6824740000 | 5779400000 | 11    |
| Methoxychlor                      | 2549470000 | 2493040000                        | 2684780000 | 2711850000                        | 3089990000 | 2705830000 | 9     |
| Tetrachloro-m-xylene              | 4257870000 | 4245440000                        | 4674780000 | 4699500000                        | 5542730000 | 4684060000 | 11    |
| Decachlorobiphenyl                | 401599000  | 365757000                         | 388315000  | 412891000                         | 489399000  | 411592000  | 11    |
| Tetrachloro-m-xylene              | 629800000  | 543963000                         | 545208000  | 548541000                         | 625323000  | 578567000  | 8     |



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

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Instrument ID: ECD\_L Date(s) Analyzed: 05/13/2025 05/13/2025

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

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.89 | 5.79      | 5.99 | 19457800              |
|           |                | 2    | 6.28 | 6.18      | 6.38 | 44722300              |
|           |                | 3    | 7.10 | 7.00      | 7.20 | 132062000             |
|           |                | 4    | 7.19 | 7.09      | 7.29 | 92581300              |
|           |                | 5    | 7.97 | 7.87      | 8.07 | 61074500              |



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

### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Instrument ID: ECD\_L Date(s) Analyzed: 05/13/2025 05/13/2025

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

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.17 | 5.07      | 5.27 | 41802700              |
|           |                | 2    | 5.85 | 5.75      | 5.95 | 40240100              |
|           |                | 3    | 6.13 | 6.03      | 6.23 | 44424800              |
|           |                | 4    | 6.77 | 6.67      | 6.87 | 129582000             |
|           |                | 5    | 7.21 | 7.11      | 7.31 | 95479000              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095633.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 12:24  
 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: May 13 13:47:09 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 13:44:26 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|---------|--------|--------|
| -----                       |                 |       |       |         |         |        |        |
| System Monitoring Compounds |                 |       |       |         |         |        |        |
| 1)                          | SA Tetrachlo... | 3.594 | 2.912 | 387.4E6 | 425.8E6 | 96.667 | 95.333 |
| 28)                         | SA Decachlor... | 9.117 | 8.088 | 326.3E6 | 383.9E6 | 97.366 | 96.824 |
| Target Compounds            |                 |       |       |         |         |        |        |
| 2)                          | A alpha-BHC     | 4.044 | 3.421 | 588.0E6 | 672.5E6 | 98.504 | 96.200 |
| 3)                          | MA gamma-BHC... | 4.375 | 3.755 | 551.3E6 | 634.9E6 | 98.230 | 96.543 |
| 4)                          | MA Heptachlor   | 4.973 | 4.108 | 530.7E6 | 599.1E6 | 97.765 | 95.775 |
| 5)                          | MB Aldrin       | 5.315 | 4.393 | 565.7E6 | 587.7E6 | 98.257 | 95.904 |
| 6)                          | B beta-BHC      | 4.561 | 4.048 | 231.7E6 | 271.3E6 | 96.742 | 95.772 |
| 7)                          | B delta-BHC     | 4.809 | 4.284 | 537.0E6 | 643.8E6 | 98.546 | 96.878 |
| 8)                          | B Heptachlo...  | 5.735 | 4.895 | 481.1E6 | 526.9E6 | 97.508 | 95.713 |
| 9)                          | A Endosulfan I  | 6.119 | 5.268 | 476.9E6 | 503.7E6 | 97.930 | 96.980 |
| 10)                         | B gamma-Chl...  | 5.990 | 5.148 | 521.3E6 | 552.8E6 | 98.409 | 97.275 |
| 11)                         | B alpha-Chl...  | 6.071 | 5.213 | 511.5E6 | 539.0E6 | 98.219 | 96.911 |
| 12)                         | B 4,4'-DDE      | 6.239 | 5.398 | 511.5E6 | 554.1E6 | 98.471 | 97.424 |
| 13)                         | MA Dieldrin     | 6.392 | 5.534 | 484.8E6 | 568.5E6 | 98.598 | 96.412 |
| 14)                         | MA Endrin       | 6.619 | 5.808 | 379.2E6 | 497.4E6 | 98.352 | 96.734 |
| 15)                         | B Endosulfa...  | 6.831 | 6.099 | 399.8E6 | 496.1E6 | 97.690 | 96.347 |
| 16)                         | A 4,4'-DDD      | 6.748 | 5.951 | 372.4E6 | 478.8E6 | 98.397 | 96.842 |
| 17)                         | MA 4,4'-DDT     | 7.064 | 6.204 | 373.1E6 | 492.4E6 | 99.912 | 98.672 |
| 18)                         | B Endrin al...  | 6.959 | 6.277 | 289.2E6 | 361.6E6 | 98.248 | 98.122 |
| 19)                         | B Endosulfa...  | 7.194 | 6.500 | 354.7E6 | 449.1E6 | 97.938 | 95.857 |
| 20)                         | A Methoxychlor  | 7.535 | 6.774 | 169.4E6 | 254.9E6 | 99.071 | 97.415 |
| 21)                         | B Endrin ke...  | 7.675 | 7.006 | 368.6E6 | 547.2E6 | 98.276 | 96.836 |
| 22)                         | Mirex           | 8.156 | 7.201 | 285.2E6 | 392.1E6 | 96.576 | 95.765 |

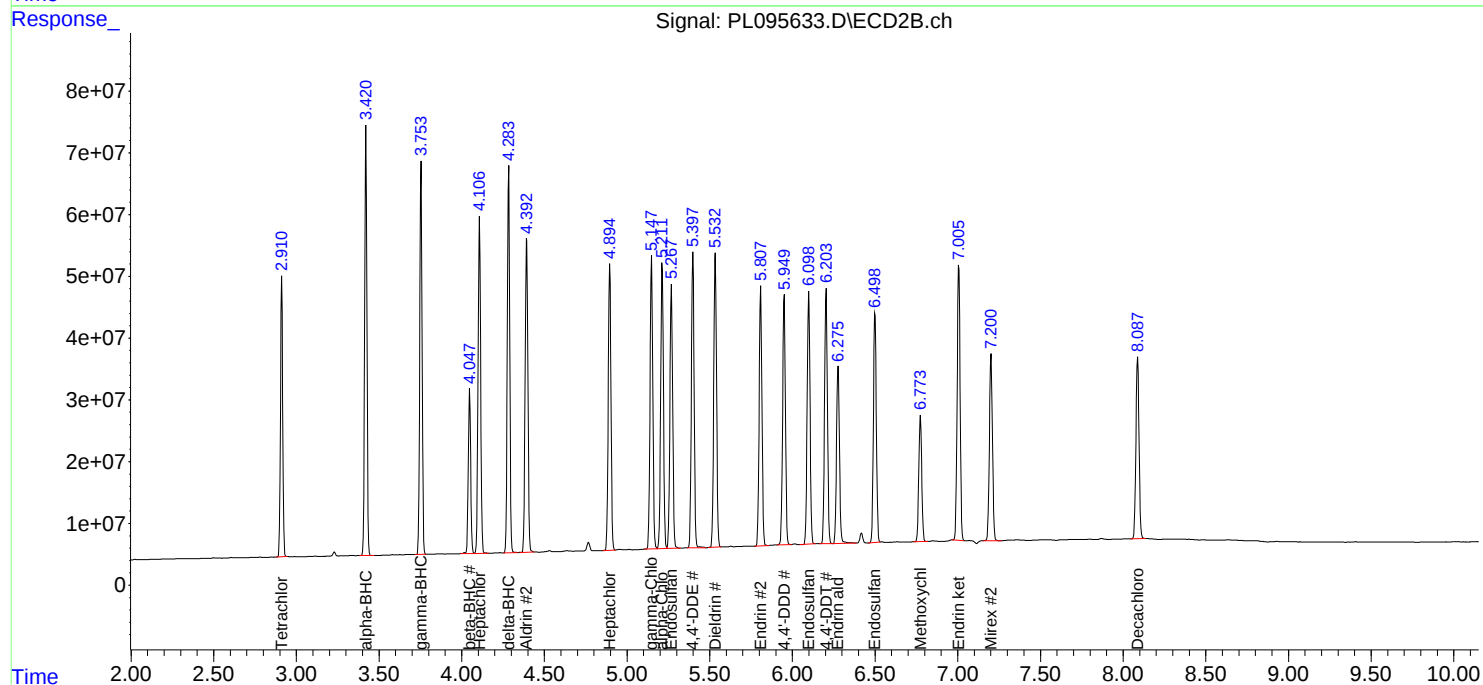
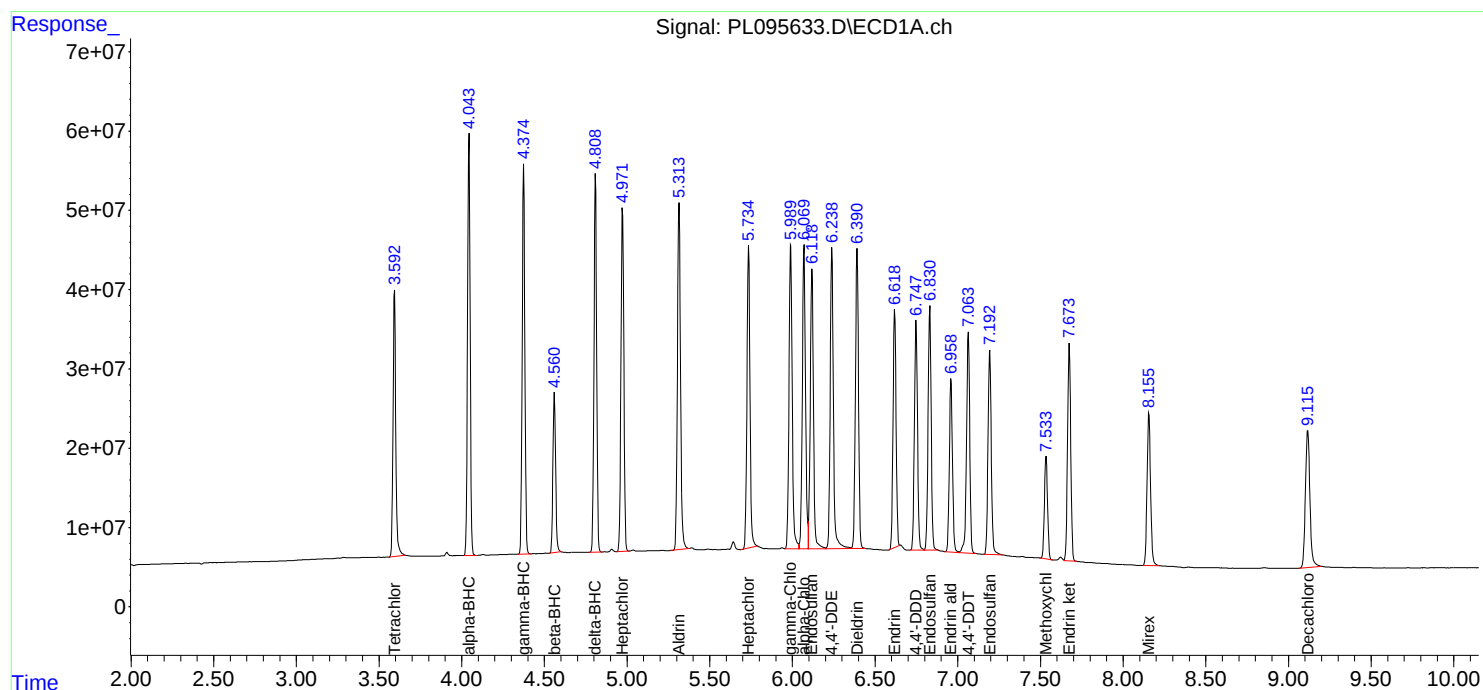
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095633.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 12:24  
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: May 13 13:47:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 13:44:26 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095634.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 12:38  
 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: May 13 13:49:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 13:44:26 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|---------|--------|--------|
| -----                       |                 |       |       |         |         |        |        |
| System Monitoring Compounds |                 |       |       |         |         |        |        |
| 1)                          | SA Tetrachlo... | 3.594 | 2.911 | 285.4E6 | 318.4E6 | 72.439 | 72.486 |
| 28)                         | SA Decachlor... | 9.116 | 8.087 | 237.3E6 | 280.8E6 | 72.155 | 72.162 |
| Target Compounds            |                 |       |       |         |         |        |        |
| 2)                          | A alpha-BHC     | 4.045 | 3.421 | 420.8E6 | 500.0E6 | 71.928 | 72.650 |
| 3)                          | MA gamma-BHC... | 4.375 | 3.754 | 398.4E6 | 469.6E6 | 72.275 | 72.566 |
| 4)                          | MA Heptachlor   | 4.973 | 4.107 | 384.2E6 | 444.0E6 | 72.134 | 72.271 |
| 5)                          | MB Aldrin       | 5.315 | 4.392 | 410.7E6 | 434.8E6 | 72.513 | 72.255 |
| 6)                          | B beta-BHC      | 4.561 | 4.048 | 170.6E6 | 202.7E6 | 72.462 | 72.662 |
| 7)                          | B delta-BHC     | 4.809 | 4.284 | 389.4E6 | 474.9E6 | 72.610 | 72.602 |
| 8)                          | B Heptachlo...  | 5.735 | 4.895 | 357.5E6 | 392.6E6 | 73.289 | 72.496 |
| 9)                          | A Endosulfan I  | 6.118 | 5.268 | 363.3E6 | 344.6E6 | 74.725 | 69.005 |
| 10)                         | B gamma-Chl...  | 5.990 | 5.147 | 394.3E6 | 408.5E6 | 74.622 | 72.899 |
| 11)                         | B alpha-Chl...  | 6.071 | 5.212 | 379.0E6 | 396.9E6 | 73.506 | 72.531 |
| 12)                         | B 4,4'-DDE      | 6.239 | 5.397 | 379.2E6 | 431.8E6 | 73.660 | 75.607 |
| 13)                         | MA Dieldrin     | 6.391 | 5.533 | 352.4E6 | 430.5E6 | 72.748 | 73.667 |
| 14)                         | MA Endrin       | 6.618 | 5.808 | 272.6E6 | 366.9E6 | 72.077 | 72.530 |
| 15)                         | B Endosulfa...  | 6.831 | 6.098 | 290.2E6 | 371.2E6 | 72.221 | 73.033 |
| 16)                         | A 4,4'-DDD      | 6.749 | 5.950 | 271.2E6 | 356.9E6 | 72.728 | 73.106 |
| 17)                         | MA 4,4'-DDT     | 7.063 | 6.204 | 262.4E6 | 355.7E6 | 71.768 | 72.478 |
| 18)                         | B Endrin al...  | 6.960 | 6.276 | 209.8E6 | 268.3E6 | 72.482 | 73.525 |
| 19)                         | B Endosulfa...  | 7.193 | 6.499 | 258.1E6 | 334.1E6 | 72.473 | 72.509 |
| 20)                         | A Methoxychlor  | 7.535 | 6.773 | 119.8E6 | 187.0E6 | 71.629 | 72.591 |
| 21)                         | B Endrin ke...  | 7.675 | 7.005 | 265.5E6 | 400.9E6 | 72.134 | 72.243 |
| 22)                         | Mirex           | 8.156 | 7.201 | 209.5E6 | 288.8E6 | 72.239 | 71.974 |

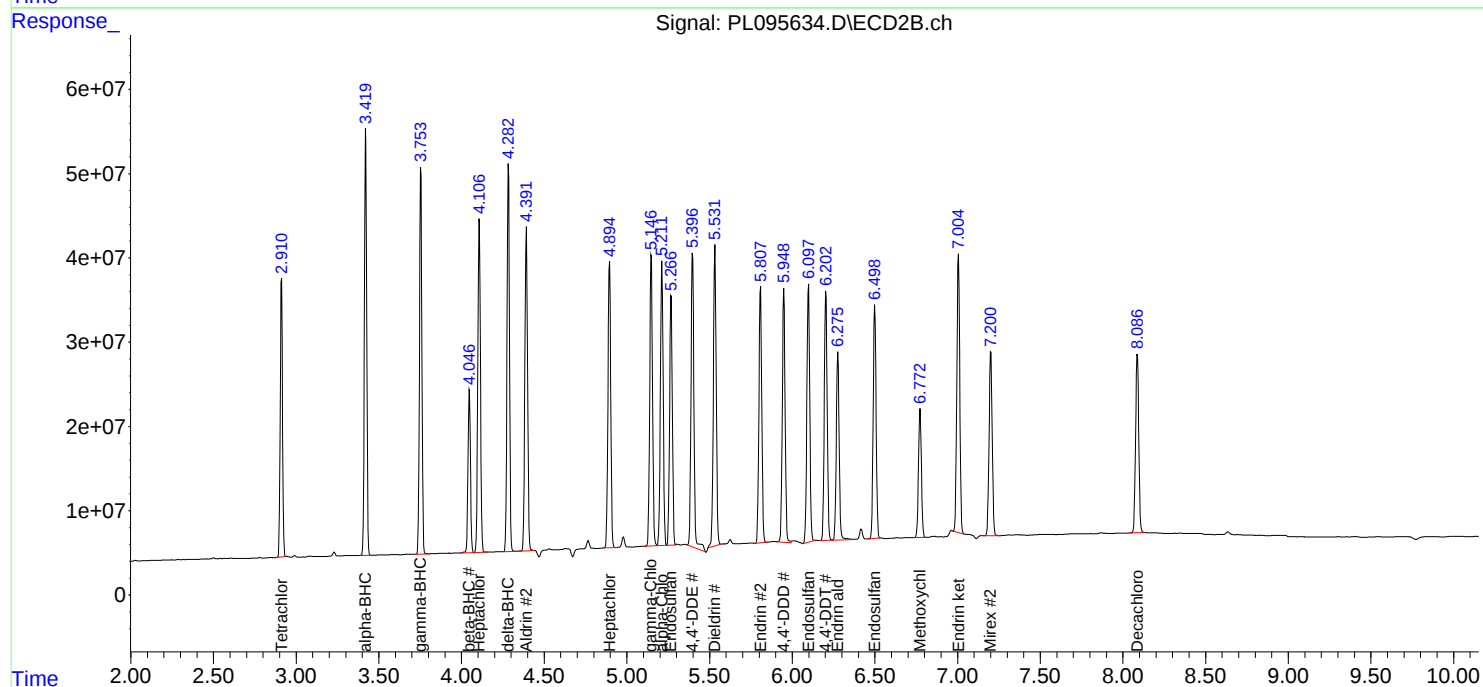
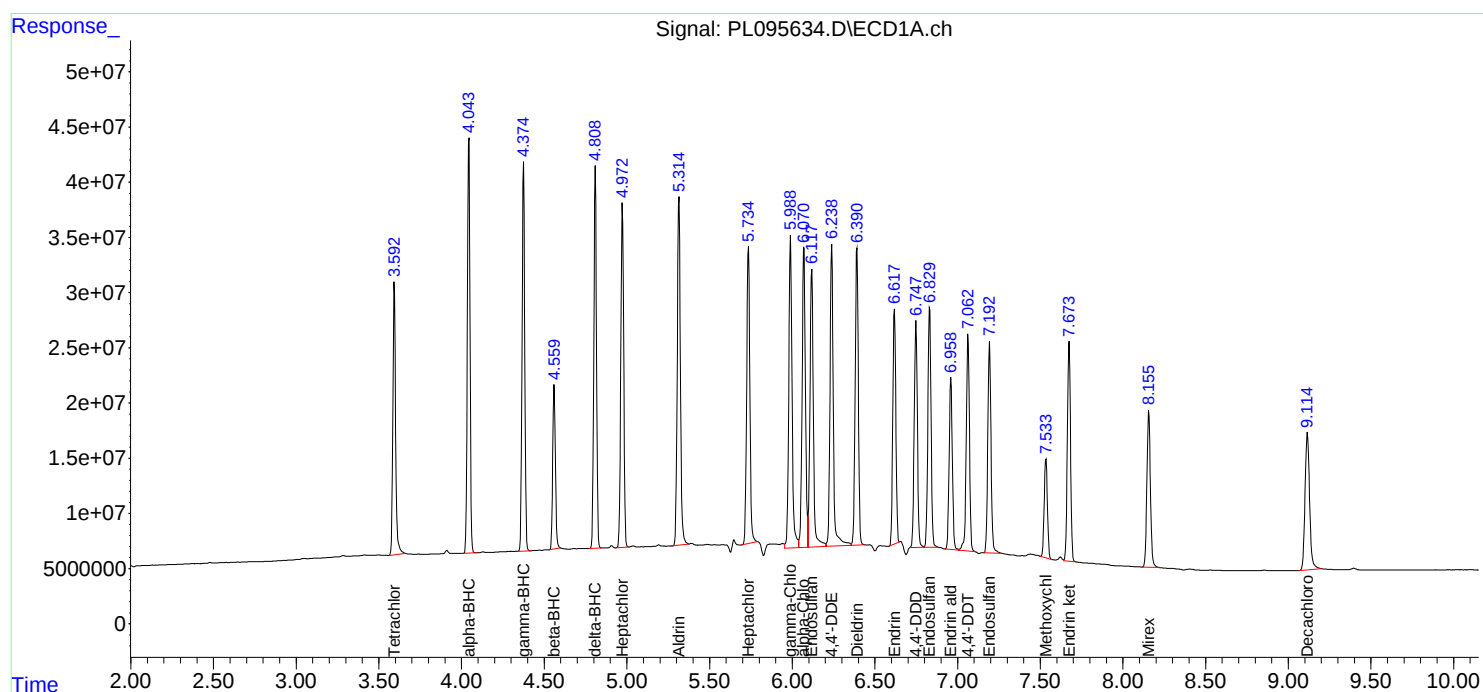
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095634.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 12:38  
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: May 13 13:49:23 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 13:44:26 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095635.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 12:51  
 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: May 13 13:44:43 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 13:44:26 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.593 | 2.910 | 207.1E6  | 233.7E6 | 50.000 | 50.000 |
| 28)                         | SA Decachlor... | 9.115 | 8.087 | 172.0E6  | 204.5E6 | 50.000 | 50.000 |
| Target Compounds            |                 |       |       |          |         |        |        |
| 2)                          | A alpha-BHC     | 4.044 | 3.420 | 303.0E6  | 362.8E6 | 50.000 | 50.000 |
| 3)                          | MA gamma-BHC... | 4.375 | 3.753 | 285.6E6  | 340.2E6 | 50.000 | 50.000 |
| 4)                          | MA Heptachlor   | 4.972 | 4.107 | 277.5E6  | 326.0E6 | 50.000 | 50.000 |
| 5)                          | MB Aldrin       | 5.314 | 4.392 | 292.9E6  | 319.0E6 | 50.000 | 50.000 |
| 6)                          | B beta-BHC      | 4.560 | 4.047 | 123.6E6  | 147.6E6 | 50.000 | 50.000 |
| 7)                          | B delta-BHC     | 4.809 | 4.283 | 276.4E6  | 342.7E6 | 50.000 | 50.000 |
| 8)                          | B Heptachlo...  | 5.735 | 4.895 | 252.8E6  | 287.1E6 | 50.000 | 50.000 |
| 9)                          | A Endosulfan I  | 6.119 | 5.268 | 248.5E6  | 267.5E6 | 50.000 | 50.000 |
| 10)                         | B gamma-Chl...  | 5.990 | 5.148 | 269.1E6  | 291.9E6 | 50.000 | 50.000 |
| 11)                         | B alpha-Chl...  | 6.071 | 5.212 | 265.0E6  | 286.7E6 | 50.000 | 50.000 |
| 12)                         | B 4,4'-DDE      | 6.239 | 5.398 | 263.7E6  | 291.7E6 | 50.000 | 50.000 |
| 13)                         | MA Dieldrin     | 6.391 | 5.533 | 249.3E6  | 305.4E6 | 50.000 | 50.000 |
| 14)                         | MA Endrin       | 6.619 | 5.808 | 196.0E6  | 265.5E6 | 50.000 | 50.000 |
| 15)                         | B Endosulfa...  | 6.831 | 6.098 | 209.3E6  | 266.8E6 | 50.000 | 50.000 |
| 16)                         | A 4,4'-DDD      | 6.748 | 5.949 | 192.3E6  | 255.0E6 | 50.000 | 50.000 |
| 17)                         | MA 4,4'-DDT     | 7.064 | 6.203 | 186.9E6  | 252.8E6 | 50.000 | 50.000 |
| 18)                         | B Endrin al...  | 6.960 | 6.276 | 149.7E6  | 187.7E6 | 50.000 | 50.000 |
| 19)                         | B Endosulfa...  | 7.193 | 6.499 | 184.8E6  | 243.9E6 | 50.000 | 50.000 |
| 20)                         | A Methoxychlor  | 7.534 | 6.773 | 86262380 | 134.2E6 | 50.000 | 50.000 |
| 21)                         | B Endrin ke...  | 7.674 | 7.005 | 190.8E6  | 291.5E6 | 50.000 | 50.000 |
| 22)                         | Mirex           | 8.156 | 7.201 | 152.7E6  | 213.4E6 | 50.000 | 50.000 |
| -----                       |                 |       |       |          |         |        |        |

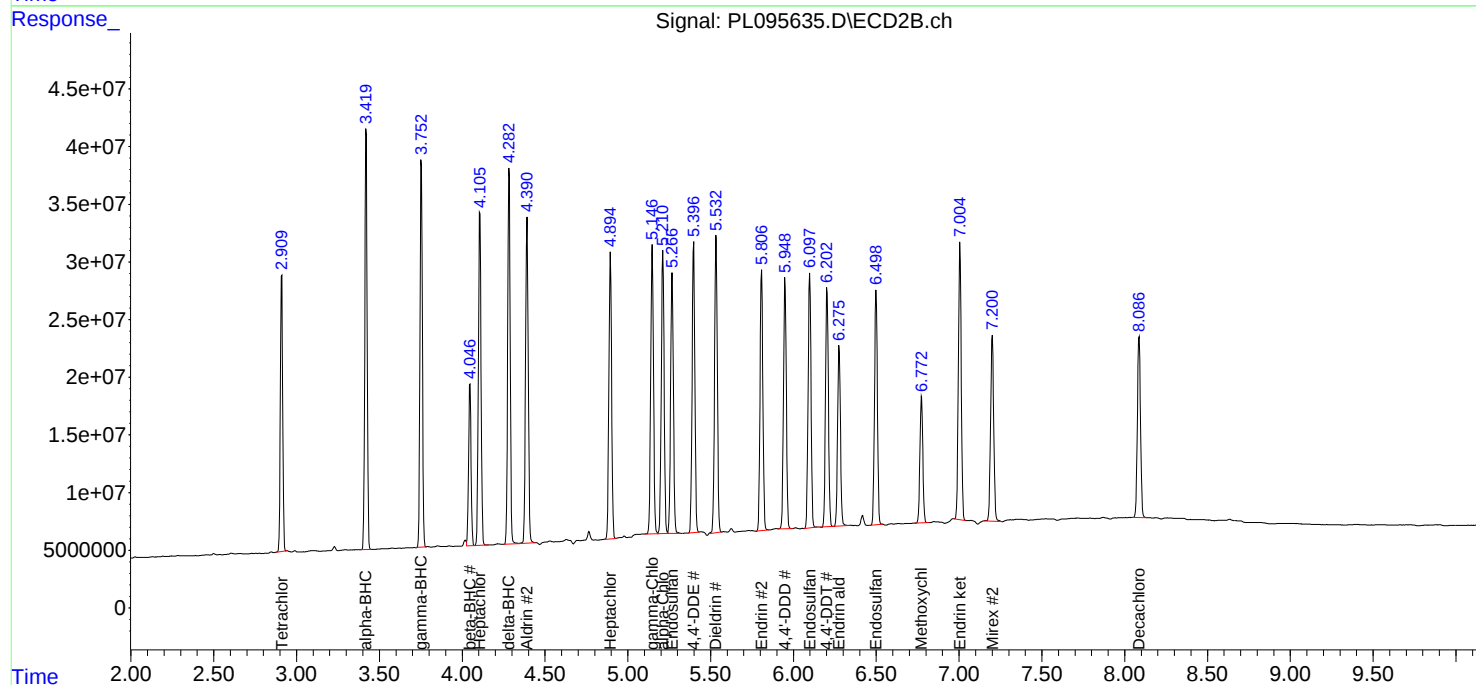
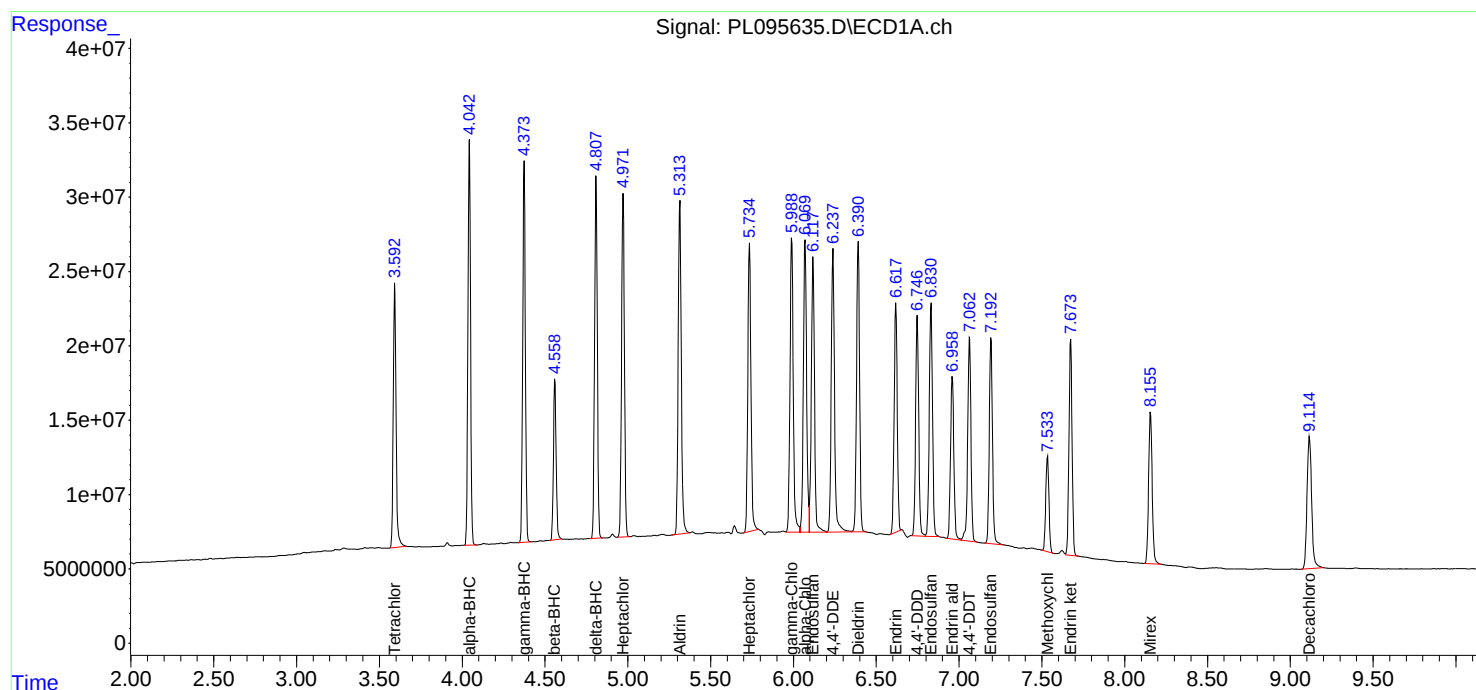
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095635.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 12:51  
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: May 13 13:44:43 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 13:44:26 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095636.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 13:05  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC025

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 13 13:52:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 13:44:26 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.593 | 2.911 | 100.6E6  | 117.5E6  | 25.402  | 26.287  |
| 28)                         | SA Decachlor... | 9.116 | 8.088 | 84959192 | 104.0E6  | 25.618  | 26.275  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.044 | 3.421 | 141.4E6  | 178.0E6  | 24.380  | 25.644  |
| 3)                          | MA gamma-BHC... | 4.374 | 3.754 | 134.9E6  | 168.7E6  | 24.602  | 25.795  |
| 4)                          | MA Heptachlor   | 4.972 | 4.108 | 132.6E6  | 163.0E6  | 24.928  | 26.131  |
| 5)                          | MB Aldrin       | 5.314 | 4.393 | 139.3E6  | 159.1E6  | 24.696  | 26.067  |
| 6)                          | B beta-BHC      | 4.560 | 4.048 | 60865204 | 76297649 | 25.629  | 26.725  |
| 7)                          | B delta-BHC     | 4.809 | 4.284 | 131.5E6  | 169.2E6  | 24.632  | 25.651  |
| 8)                          | B Heptachlo...  | 5.735 | 4.896 | 124.1E6  | 145.7E6  | 25.322  | 26.399  |
| 9)                          | A Endosulfan I  | 6.117 | 5.268 | 117.2E6  | 132.0E6  | 24.145m | 26.064  |
| 10)                         | B gamma-Chl...  | 5.988 | 5.148 | 130.0E6  | 149.3E6  | 24.703m | 26.215  |
| 11)                         | B alpha-Chl...  | 6.069 | 5.213 | 123.8E6  | 146.9E6  | 24.081m | 26.365  |
| 12)                         | B 4,4'-DDE      | 6.238 | 5.398 | 126.4E6  | 148.6E6  | 24.670m | 25.762  |
| 13)                         | MA Dieldrin     | 6.392 | 5.533 | 121.7E6  | 153.1E6  | 25.092  | 25.875m |
| 14)                         | MA Endrin       | 6.619 | 5.809 | 92251322 | 132.0E6  | 24.540  | 25.814  |
| 15)                         | B Endosulfa...  | 6.831 | 6.099 | 102.5E6  | 135.3E6  | 25.378  | 26.200  |
| 16)                         | A 4,4'-DDD      | 6.748 | 5.951 | 93884550 | 129.4E6  | 25.136  | 26.113  |
| 17)                         | MA 4,4'-DDT     | 7.063 | 6.205 | 87462111 | 124.8E6  | 24.185  | 25.316  |
| 18)                         | B Endrin al...  | 6.960 | 6.277 | 73637806 | 95674476 | 25.327  | 25.901  |
| 19)                         | B Endosulfa...  | 7.193 | 6.500 | 91489125 | 125.4E6  | 25.511  | 26.628  |
| 20)                         | A Methoxychlor  | 7.535 | 6.774 | 40886759 | 67796236 | 24.590  | 25.978  |
| 21)                         | B Endrin ke...  | 7.675 | 7.006 | 93565786 | 148.4E6  | 25.317  | 26.286  |
| 22)                         | Mirex           | 8.157 | 7.202 | 75622260 | 108.9E6  | 25.799  | 26.563  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095636.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 13:05  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC025

## Manual Integrations

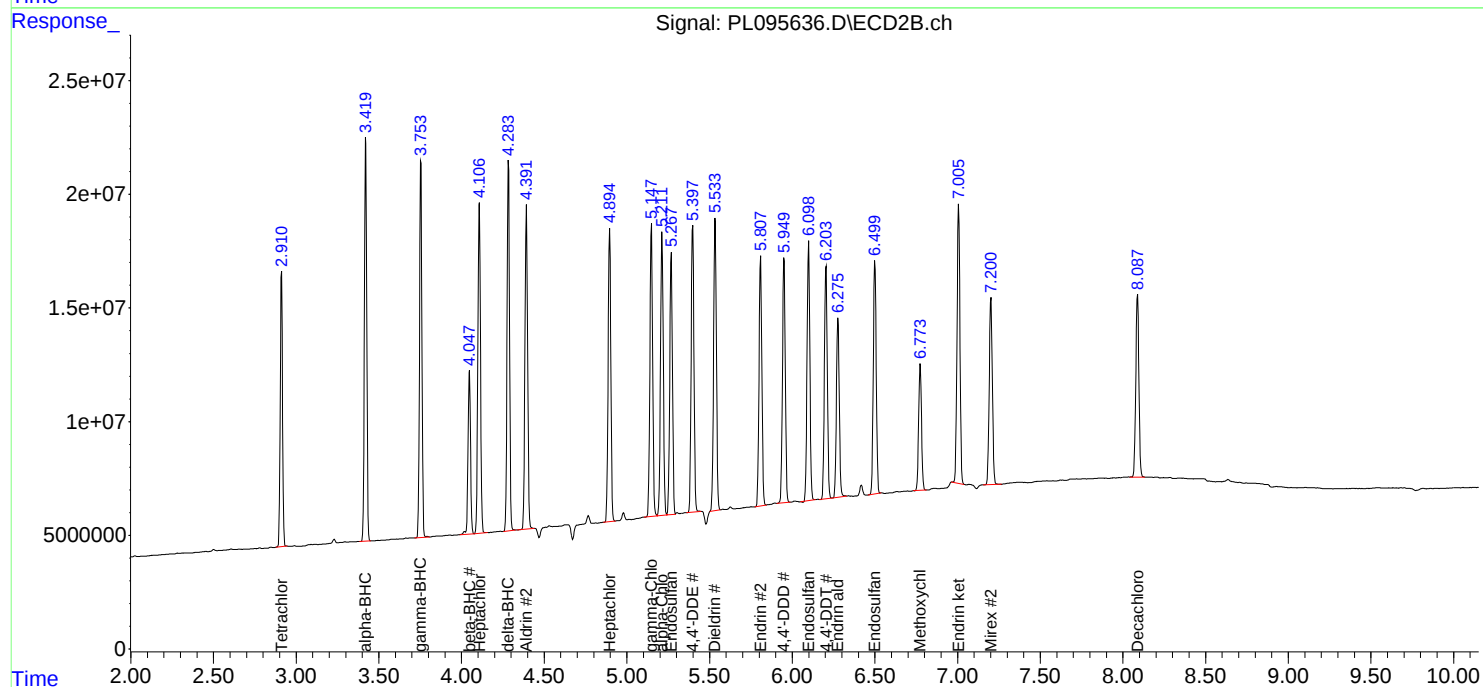
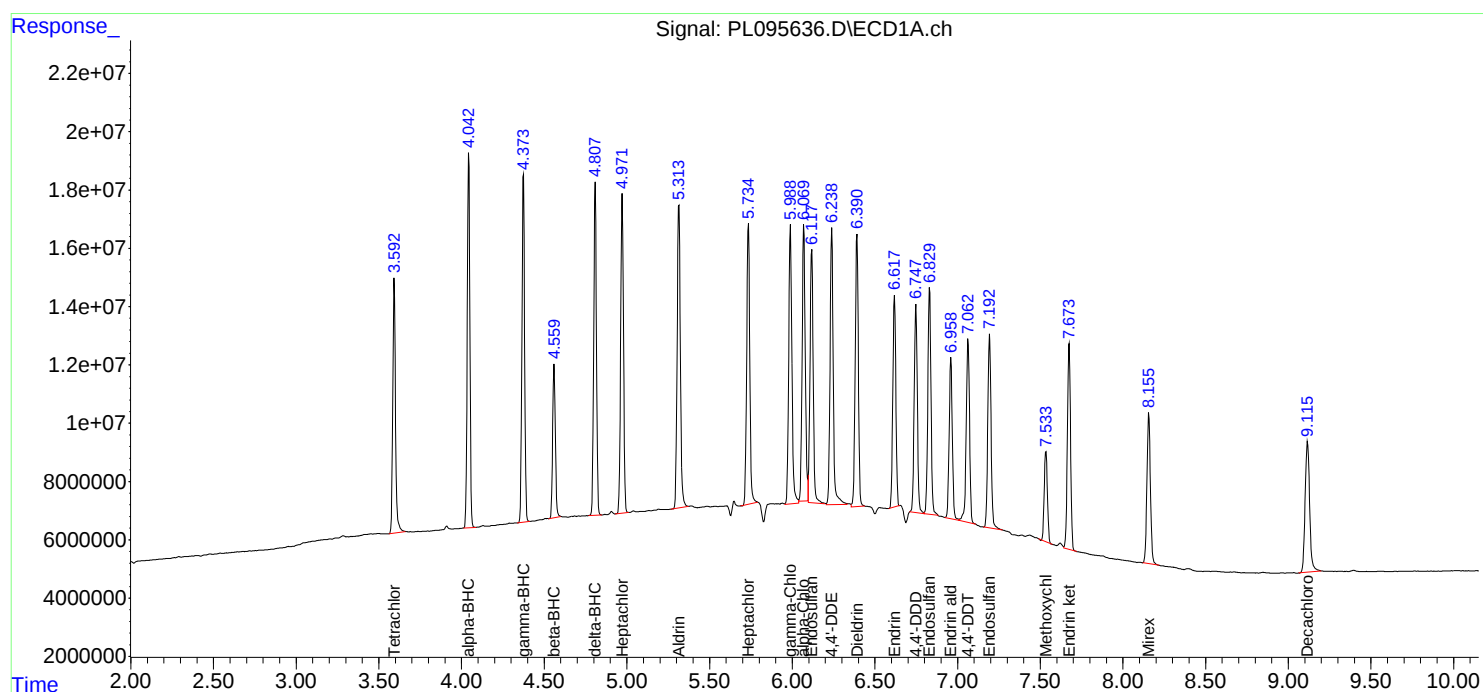
## APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 13:52:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 13:44:26 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095637.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 13:18  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

PSTDICC005

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 13 13:55:59 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 13:44:26 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.593 | 2.911 | 22919336 | 27713661 | 5.609  | 5.917  |
| 28) SA Decachlor...         | 9.116 | 8.085 | 18484150 | 23951581 | 5.449  | 5.810m |
| Target Compounds            |       |       |          |          |        |        |
| 2) A alpha-BHC              | 4.043 | 3.420 | 30240349 | 39942097 | 5.168  | 5.585  |
| 3) MA gamma-BHC...          | 4.374 | 3.754 | 29493823 | 38007984 | 5.299  | 5.629  |
| 4) MA Heptachlor            | 4.972 | 4.107 | 29721597 | 38325543 | 5.458  | 5.875  |
| 5) MB Aldrin                | 5.314 | 4.392 | 30785570 | 37352453 | 5.360  | 5.857  |
| 6) B beta-BHC               | 4.560 | 4.047 | 13731087 | 18327254 | 5.607  | 6.075  |
| 7) B delta-BHC              | 4.808 | 4.284 | 29075348 | 38205628 | 5.352  | 5.613  |
| 8) B Heptachlo...           | 5.732 | 4.895 | 31562302 | 34123707 | 6.095m | 5.904  |
| 9) A Endosulfan I           | 6.116 | 5.266 | 26029898 | 27982651 | 5.286m | 5.413m |
| 10) B gamma-Chl...          | 5.988 | 5.146 | 28622298 | 34978408 | 5.361m | 5.867m |
| 11) B alpha-Chl...          | 6.068 | 5.211 | 27839765 | 36084553 | 5.332m | 6.130m |
| 12) B 4,4'-DDE              | 6.238 | 5.398 | 25468034 | 33802361 | 4.977  | 5.664  |
| 13) MA Dieldrin             | 6.391 | 5.532 | 26197927 | 35533504 | 5.316  | 5.786m |
| 14) MA Endrin               | 6.618 | 5.808 | 20580618 | 30899525 | 5.373  | 5.800  |
| 15) B Endosulfa...          | 6.830 | 6.097 | 23441777 | 33615921 | 5.624  | 6.188m |
| 16) A 4,4'-DDD              | 6.748 | 5.950 | 22438214 | 29449444 | 5.775  | 5.726  |
| 17) MA 4,4'-DDT             | 7.063 | 6.204 | 17617634 | 26896345 | 4.897  | 5.359  |
| 18) B Endrin al...          | 6.959 | 6.276 | 15247824 | 21841755 | 5.194  | 5.705  |
| 19) B Endosulfa...          | 7.192 | 6.499 | 20033288 | 30086708 | 5.458  | 6.052  |
| 20) A Methoxychlor          | 7.534 | 6.774 | 8896553  | 15449972 | 5.277  | 5.710  |
| 21) B Endrin ke...          | 7.674 | 7.004 | 19742168 | 33997071 | 5.270  | 5.785m |
| 22) Mirex                   | 8.155 | 7.201 | 17490686 | 25827179 | 5.745  | 5.990  |
| -----                       |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095637.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 13:18  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDICC005

## Manual Integrations

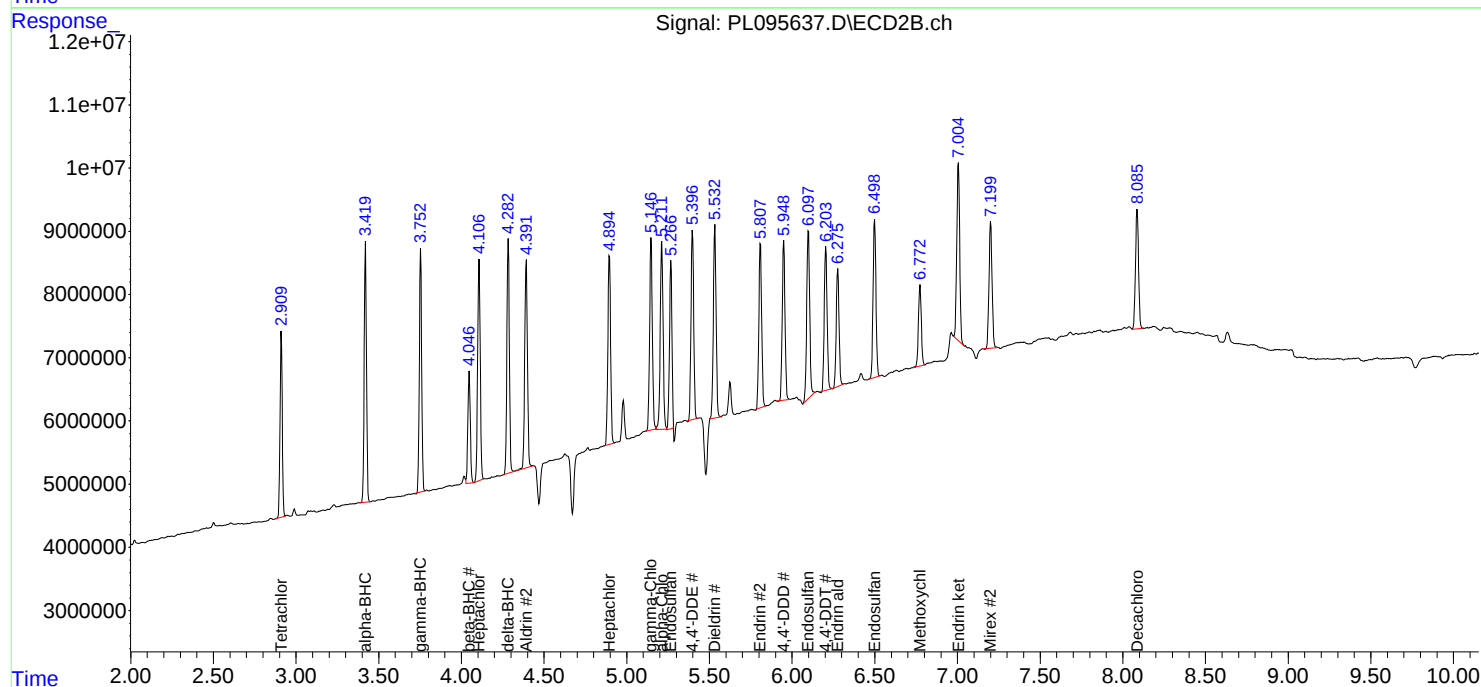
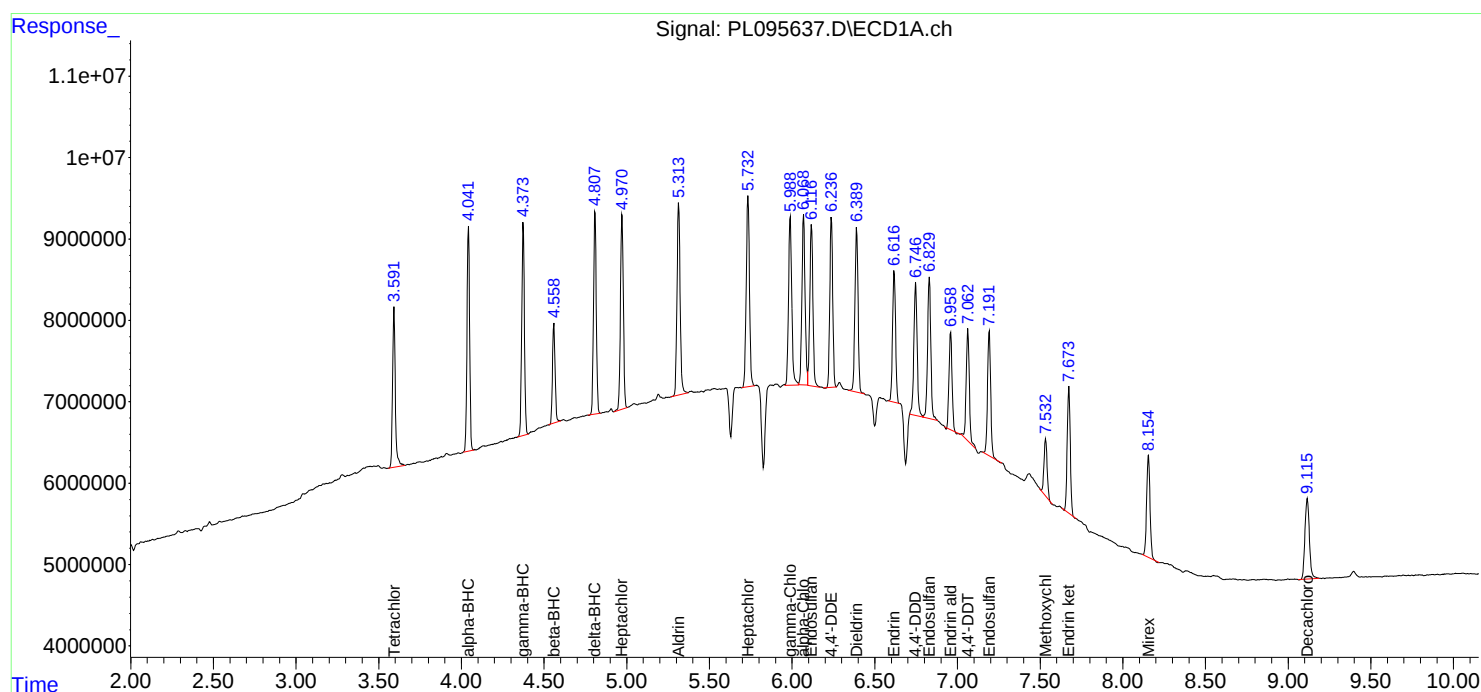
## APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 13:55:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 13:44:26 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095640.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 13:59  
 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: May 13 14:09:54 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:09:36 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|---------|---------|---------|
| -----                       |                 |       |       |          |         |         |         |
| System Monitoring Compounds |                 |       |       |          |         |         |         |
| 1)                          | SA Tetrachlo... | 3.593 | 2.911 | 186.5E6  | 272.6E6 | 50.000  | 50.000  |
| 28)                         | SA Decachlor... | 9.115 | 8.088 | 157.5E6  | 194.2E6 | 50.000  | 50.000  |
| Target Compounds            |                 |       |       |          |         |         |         |
| 23)                         | Chlordane-1     | 4.758 | 3.930 | 111.0E6  | 112.5E6 | 500.000 | 500.000 |
| 24)                         | Chlordane-2     | 5.285 | 4.510 | 120.9E6  | 122.0E6 | 500.000 | 500.000 |
| 25)                         | Chlordane-3     | 5.990 | 5.148 | 464.1E6  | 356.2E6 | 500.000 | 500.000 |
| 26)                         | Chlordane-4     | 6.075 | 5.212 | 557.5E6  | 299.2E6 | 500.000 | 500.000 |
| 27)                         | Chlordane-5     | 6.915 | 6.108 | 91158414 | 135.2E6 | 500.000 | 500.000 |
| -----                       |                 |       |       |          |         |         |         |

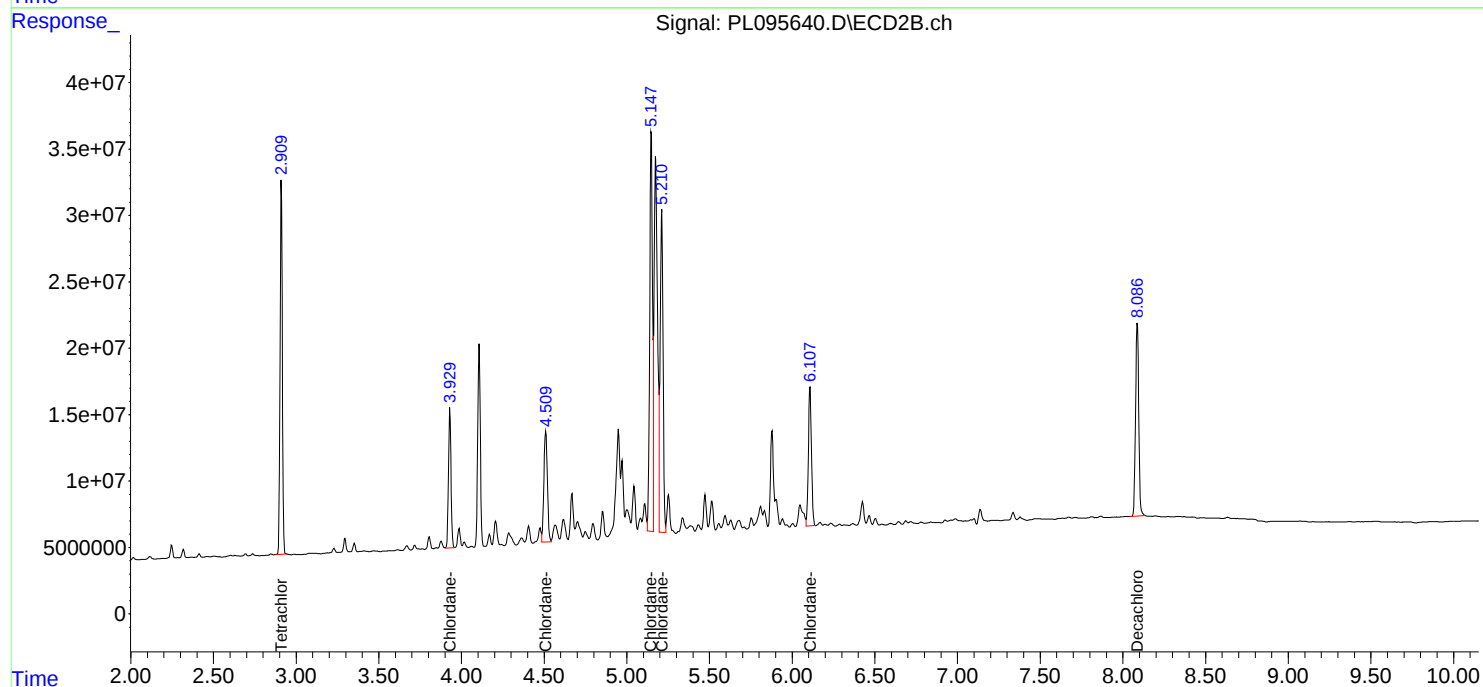
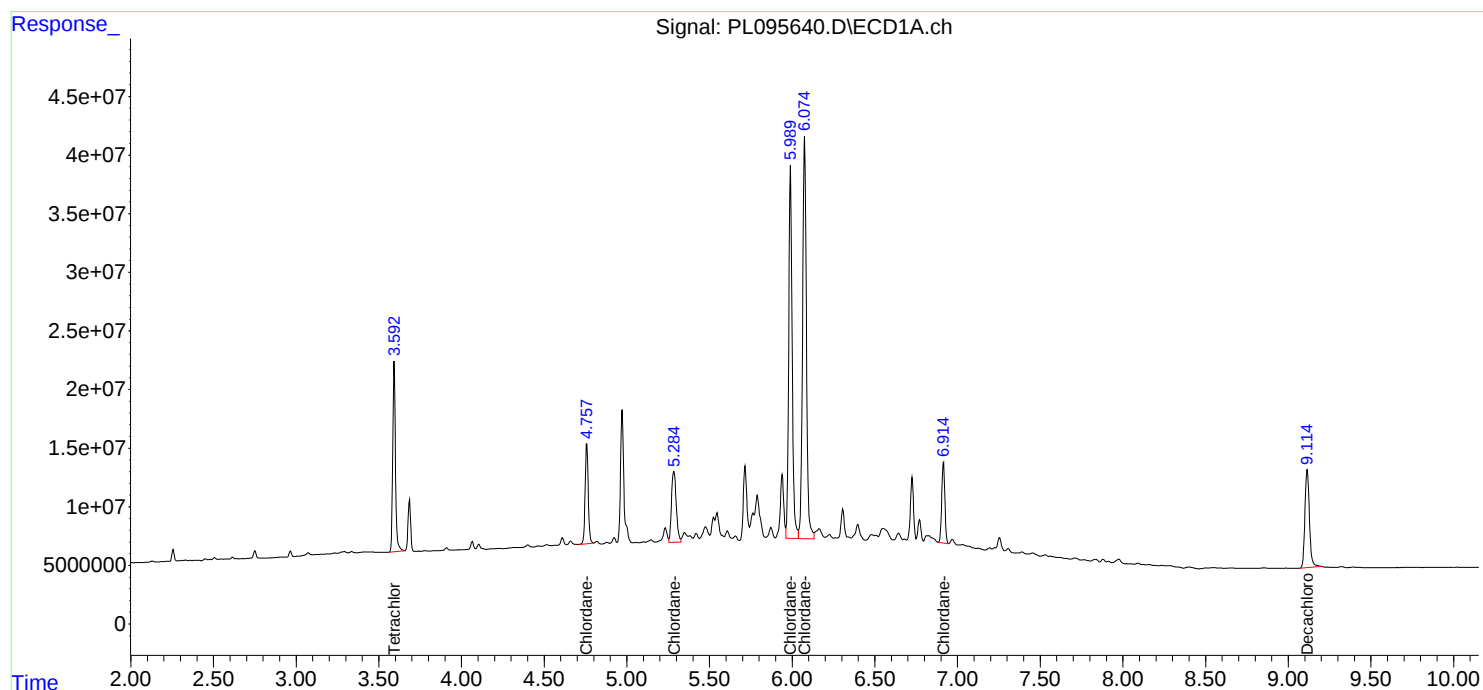
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095640.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 13:59  
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: May 13 14:09:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:09:36 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095645.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 15:07  
 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: May 14 12:02:21 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX051325.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 14 12:02:04 2025  
 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...          | 3.591 | 2.909 | 199.2E6  | 231.5E6  | 50.000  | 50.000  |
| 7) SA Decachlor...          | 9.110 | 8.083 | 173.7E6  | 218.1E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 5.893 | 5.166 | 9728915  | 20901352 | 500.000 | 500.000 |
| 3) Toxaphene-2              | 6.283 | 5.853 | 22361157 | 20120057 | 500.000 | 500.000 |
| 4) Toxaphene-3              | 7.096 | 6.133 | 66031186 | 22212421 | 500.000 | 500.000 |
| 5) Toxaphene-4              | 7.187 | 6.769 | 46290625 | 64791225 | 500.000 | 500.000 |
| 6) Toxaphene-5              | 7.966 | 7.209 | 30537251 | 47739503 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

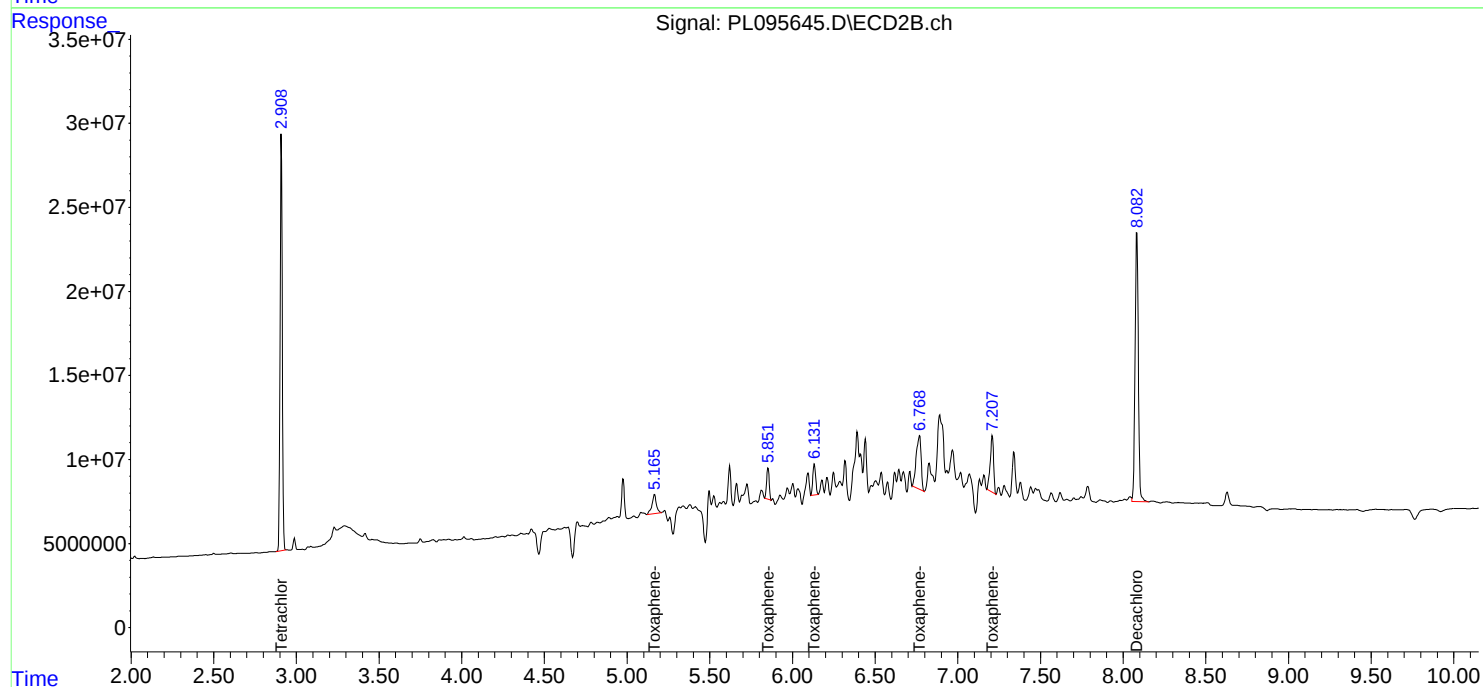
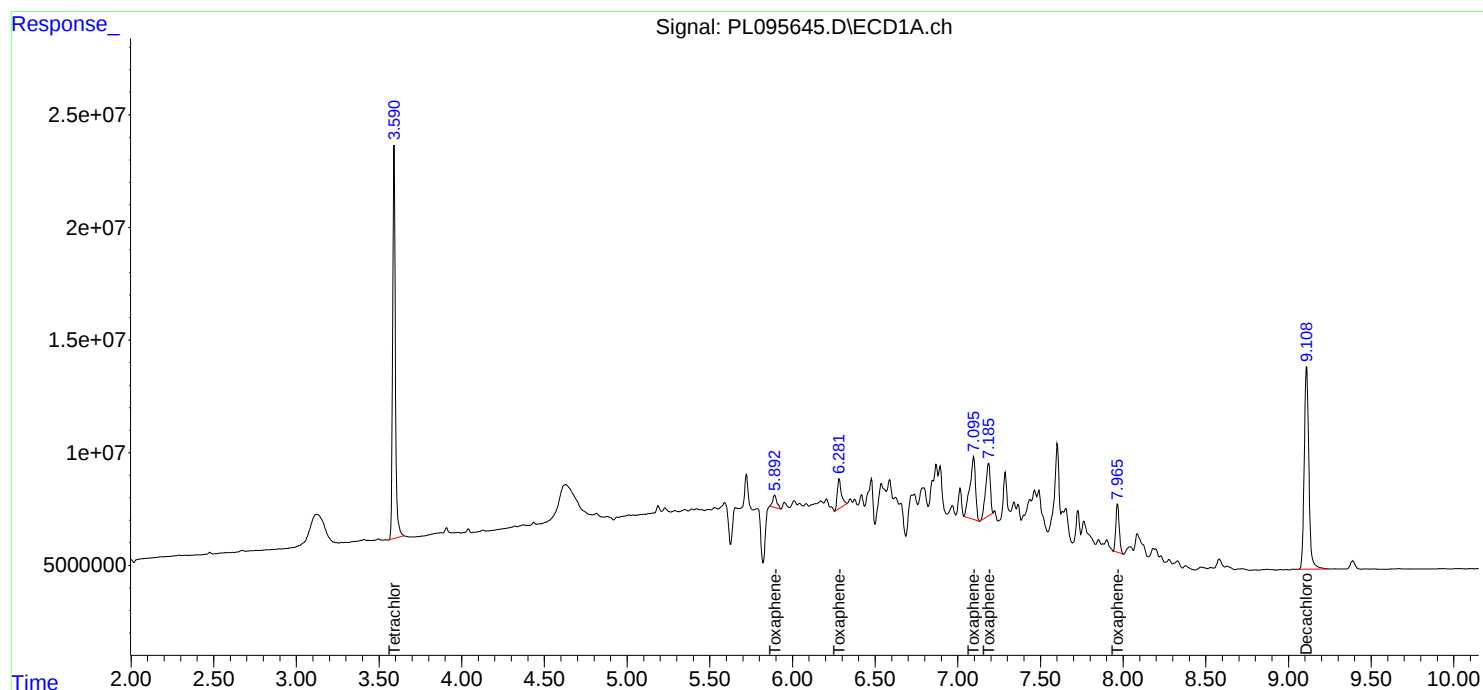
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095645.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 15:07  
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: May 14 12:02:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX051325.M  
Quant Title : GC Extractables  
QLast Update : Wed May 14 12:02:04 2025  
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\PL051325\  
 Data File : PL095648.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 17:17  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL051325

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 14 12:07:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| -----                       |       |       |         |         |        |        |
| System Monitoring Compounds |       |       |         |         |        |        |
| 1) SA Tetrachlo...          | 3.592 | 2.908 | 215.9E6 | 238.2E6 | 52.828 | 50.858 |
| 28) SA Decachlor...         | 9.113 | 8.085 | 198.8E6 | 229.7E6 | 58.602 | 55.689 |
| Target Compounds            |       |       |         |         |        |        |
| 2) A alpha-BHC              | 4.043 | 3.418 | 322.7E6 | 371.4E6 | 55.148 | 51.935 |
| 3) MA gamma-BHC...          | 4.374 | 3.751 | 307.6E6 | 350.8E6 | 55.255 | 51.943 |
| 4) MA Heptachlor            | 4.971 | 4.104 | 305.8E6 | 336.3E6 | 56.162 | 51.554 |
| 5) MB Aldrin                | 5.313 | 4.390 | 323.9E6 | 334.4E6 | 56.394 | 52.434 |
| 6) B beta-BHC               | 4.559 | 4.045 | 132.9E6 | 152.4E6 | 54.279 | 50.505 |
| 7) B delta-BHC              | 4.808 | 4.281 | 296.4E6 | 353.6E6 | 54.564 | 51.941 |
| 8) B Heptachlo...           | 5.734 | 4.892 | 285.5E6 | 305.8E6 | 55.092 | 52.912 |
| 9) A Endosulfan I           | 6.117 | 5.265 | 281.1E6 | 285.3E6 | 57.426 | 55.167 |
| 10) B gamma-Chl...          | 5.988 | 5.145 | 302.9E6 | 316.4E6 | 56.567 | 53.126 |
| 11) B alpha-Chl...          | 6.069 | 5.210 | 298.8E6 | 309.9E6 | 57.493 | 52.505 |
| 12) B 4,4'-DDE              | 6.237 | 5.395 | 302.9E6 | 334.7E6 | 59.166 | 56.084 |
| 13) MA Dieldrin             | 6.390 | 5.530 | 287.5E6 | 330.8E6 | 58.333 | 53.768 |
| 14) MA Endrin               | 6.617 | 5.805 | 222.6E6 | 285.9E6 | 58.106 | 53.671 |
| 15) B Endosulfa...          | 6.829 | 6.096 | 238.7E6 | 291.4E6 | 57.274 | 53.205 |
| 16) A 4,4'-DDD              | 6.746 | 5.948 | 226.0E6 | 283.1E6 | 58.157 | 55.040 |
| 17) MA 4,4'-DDT             | 7.062 | 6.202 | 219.7E6 | 278.8E6 | 61.054 | 55.547 |
| 18) B Endrin al...          | 6.958 | 6.274 | 172.5E6 | 212.8E6 | 58.758 | 55.584 |
| 19) B Endosulfa...          | 7.192 | 6.497 | 214.5E6 | 266.3E6 | 58.449 | 53.554 |
| 20) A Methoxychlor          | 7.533 | 6.771 | 101.1E6 | 147.8E6 | 59.985 | 54.612 |
| 21) B Endrin ke...          | 7.673 | 7.003 | 221.3E6 | 321.5E6 | 59.080 | 54.705 |
| 22) Mirex                   | 8.154 | 7.198 | 176.5E6 | 233.1E6 | 57.960 | 54.068 |
| -----                       |       |       |         |         |        |        |

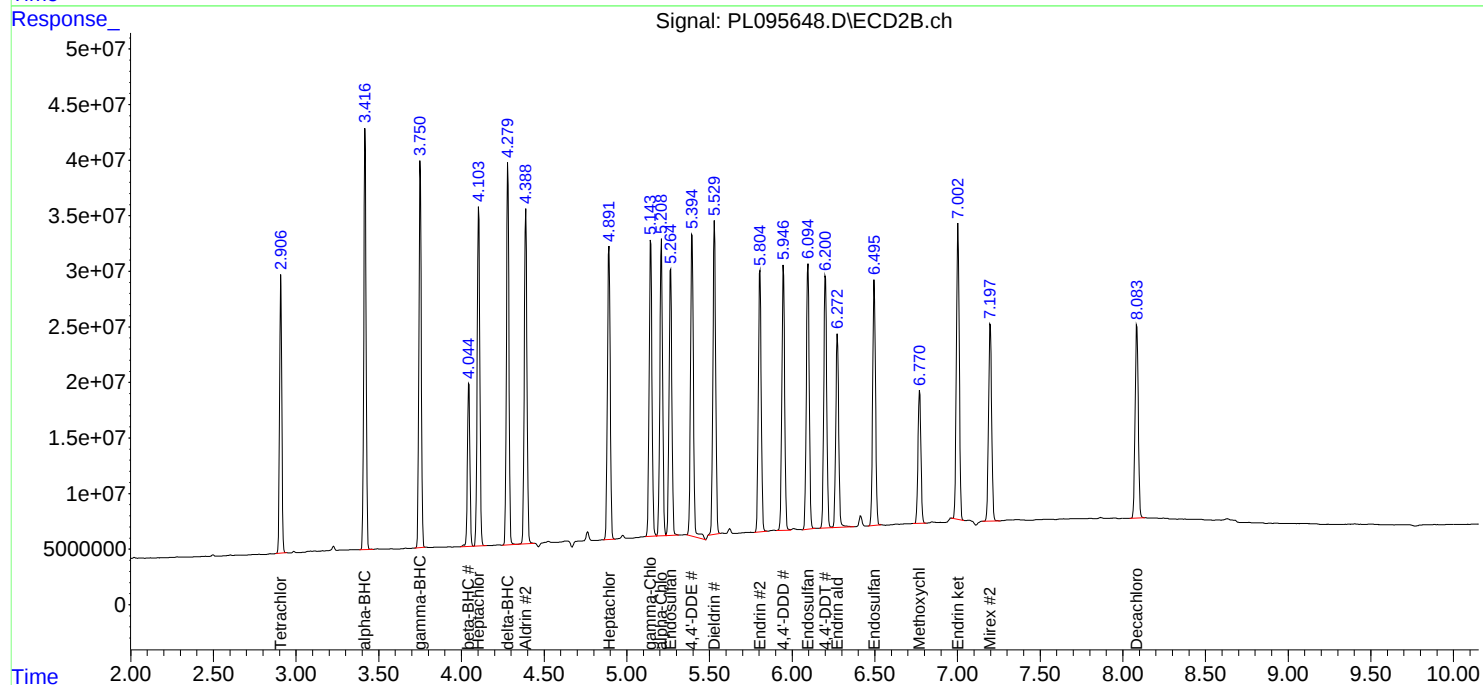
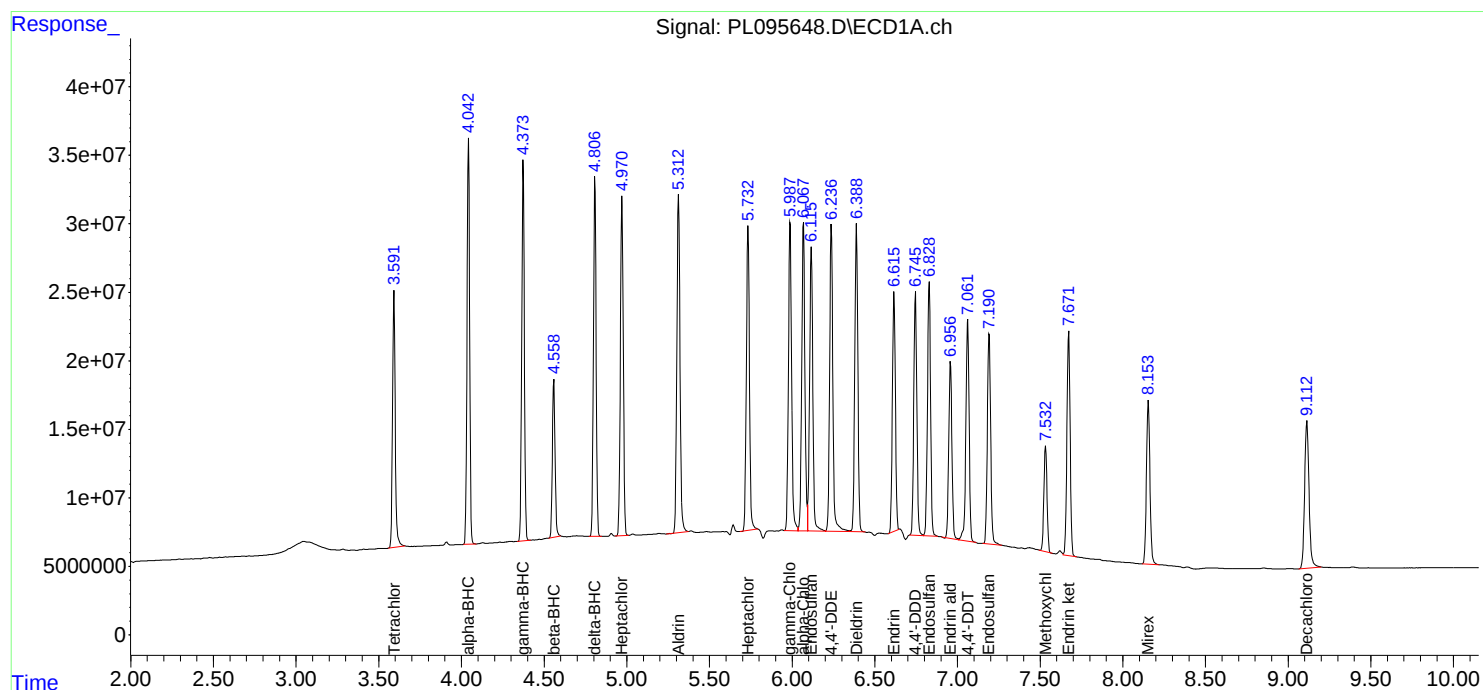
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095648.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 17:17  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL051325

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 14 12:07:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095649.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 17:31  
 Operator : AR\AJ  
 Sample : PCHLORICV500  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL051325

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025  
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 14 12:07:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| -----                       |       |       |         |         |          |          |
| System Monitoring Compounds |       |       |         |         |          |          |
| 1) SA Tetrachlo...          | 3.591 | 2.909 | 222.7E6 | 316.8E6 | 54.495   | 67.638   |
| 28) SA Decachlor...         | 9.112 | 8.085 | 197.2E6 | 231.3E6 | 58.123   | 56.085   |
| Target Compounds            |       |       |         |         |          |          |
| 23) Chlordane-1             | 4.754 | 3.928 | 138.6E6 | 130.9E6 | 595.548m | 543.866  |
| 24) Chlordane-2             | 5.283 | 4.509 | 147.6E6 | 140.9E6 | 535.118  | 529.259  |
| 25) Chlordane-3             | 5.986 | 5.145 | 556.4E6 | 391.6E6 | 574.446m | 506.029m |
| 26) Chlordane-4             | 6.073 | 5.210 | 658.6E6 | 334.4E6 | 567.340  | 516.520  |
| 27) Chlordane-5             | 6.912 | 6.106 | 113.3E6 | 159.4E6 | 597.647  | 554.891  |
| -----                       |       |       |         |         |          |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095649.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 17:31  
Operator : AR\AJ  
Sample : PCHLORICV500  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

ICVPL051325

## Manual Integrations

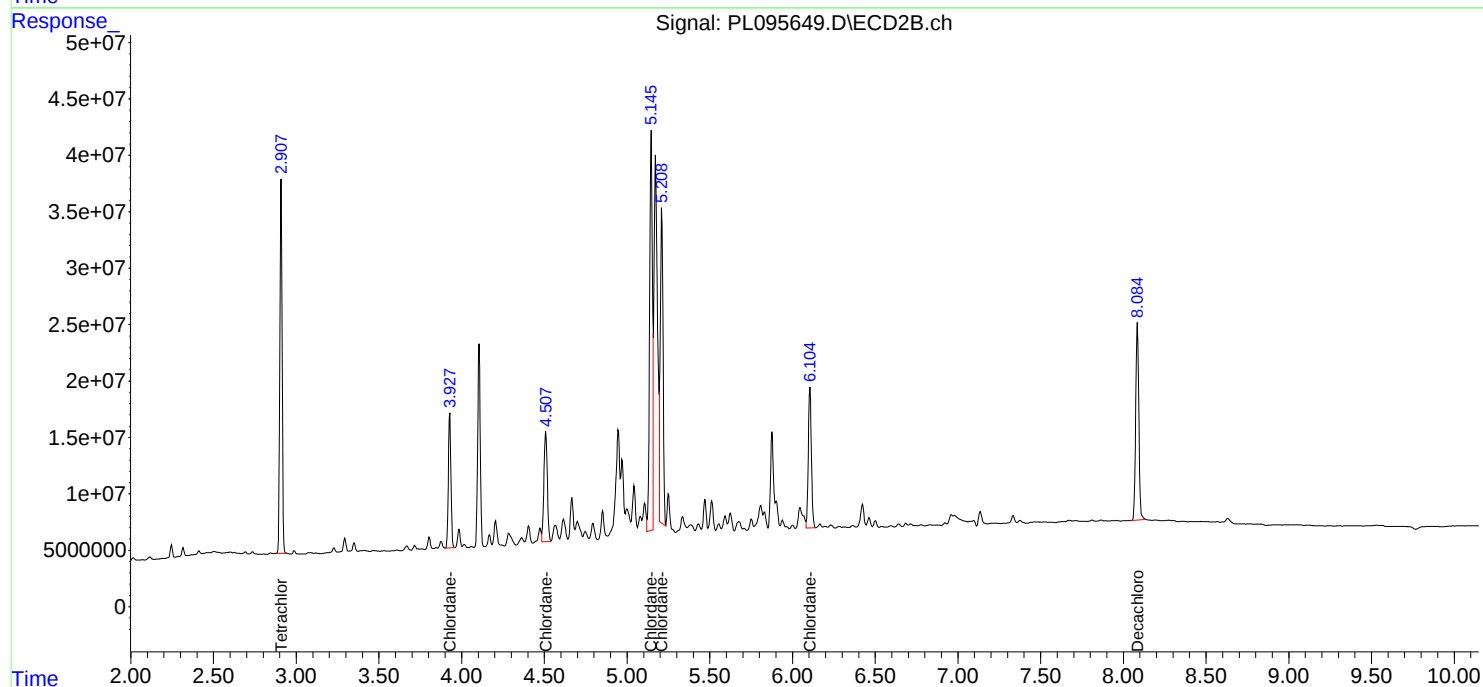
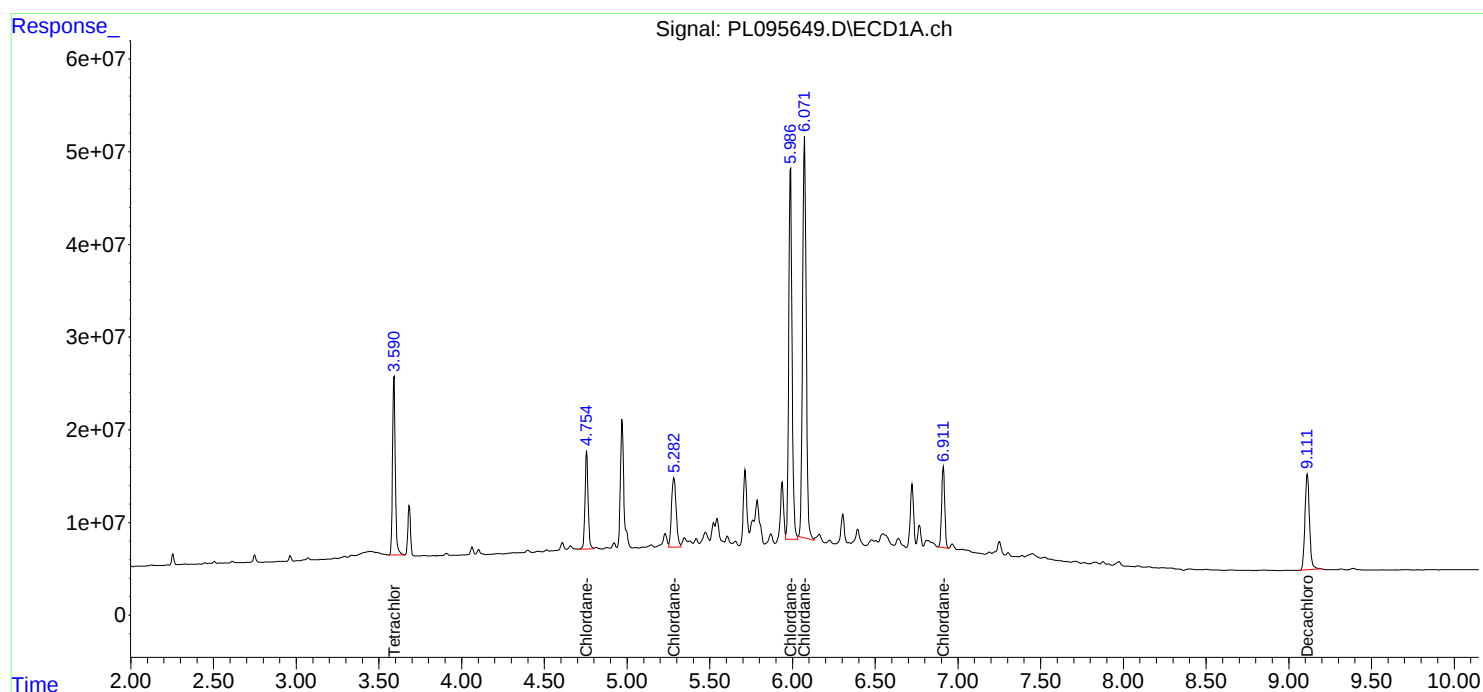
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 14 12:07:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095650.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 17:47  
 Operator : AR\AJ  
 Sample : PTOXICV500  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL051325

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 14 12:10:41 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX051325.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 14 12:02:44 2025  
 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...          | 3.594 | 2.908 | 185.3E6  | 211.9E6  | 46.525  | 45.768  |
| 7) SA Decachlor...          | 9.115 | 8.085 | 162.6E6  | 195.3E6  | 46.779  | 44.772  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 5.898 | 5.167 | 7202487  | 15921525 | 370.159 | 380.873 |
| 3) Toxaphene-2              | 6.285 | 5.853 | 15768008 | 17186249 | 352.576 | 427.092 |
| 4) Toxaphene-3              | 7.100 | 6.133 | 56091156 | 19315058 | 424.732 | 434.781 |
| 5) Toxaphene-4              | 7.191 | 6.770 | 40429486 | 56145178 | 436.692 | 433.278 |
| 6) Toxaphene-5              | 7.971 | 7.211 | 27928621 | 40071956 | 457.288 | 419.694 |
| -----                       |       |       |          |          |         |         |

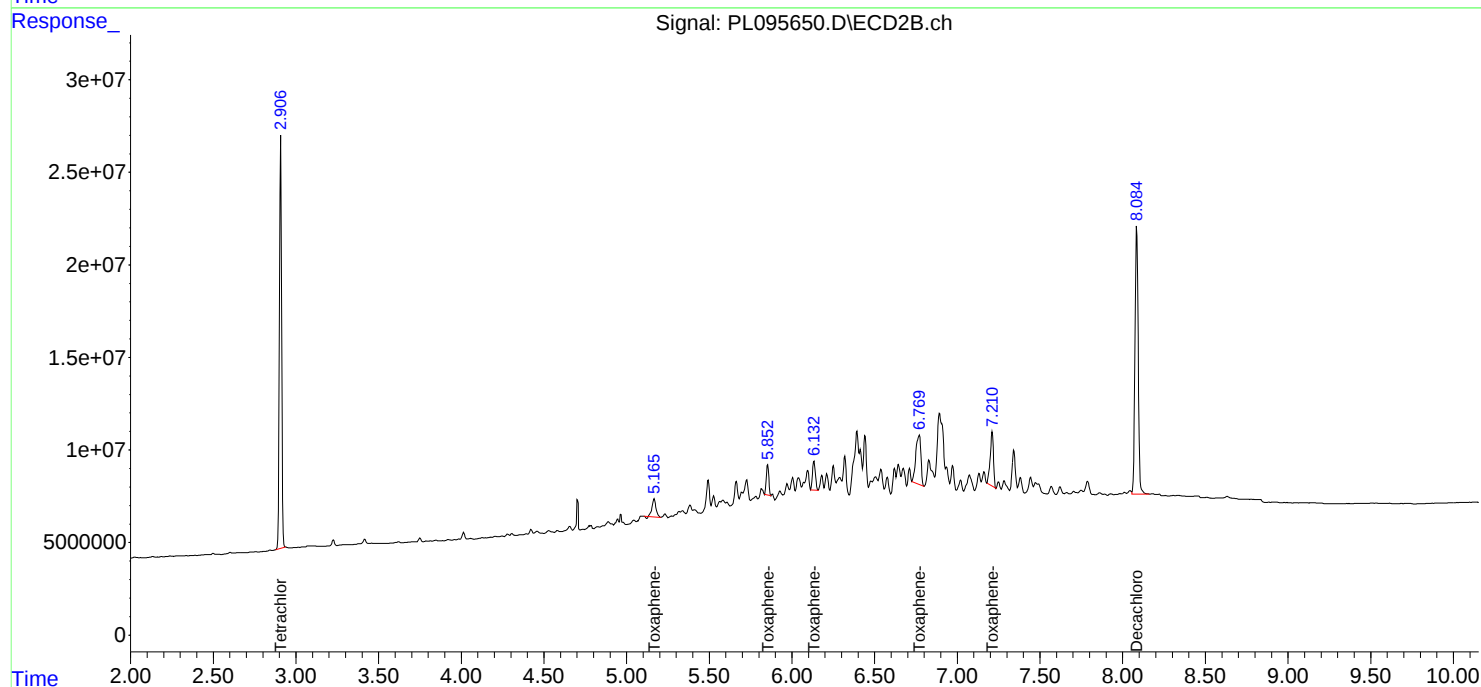
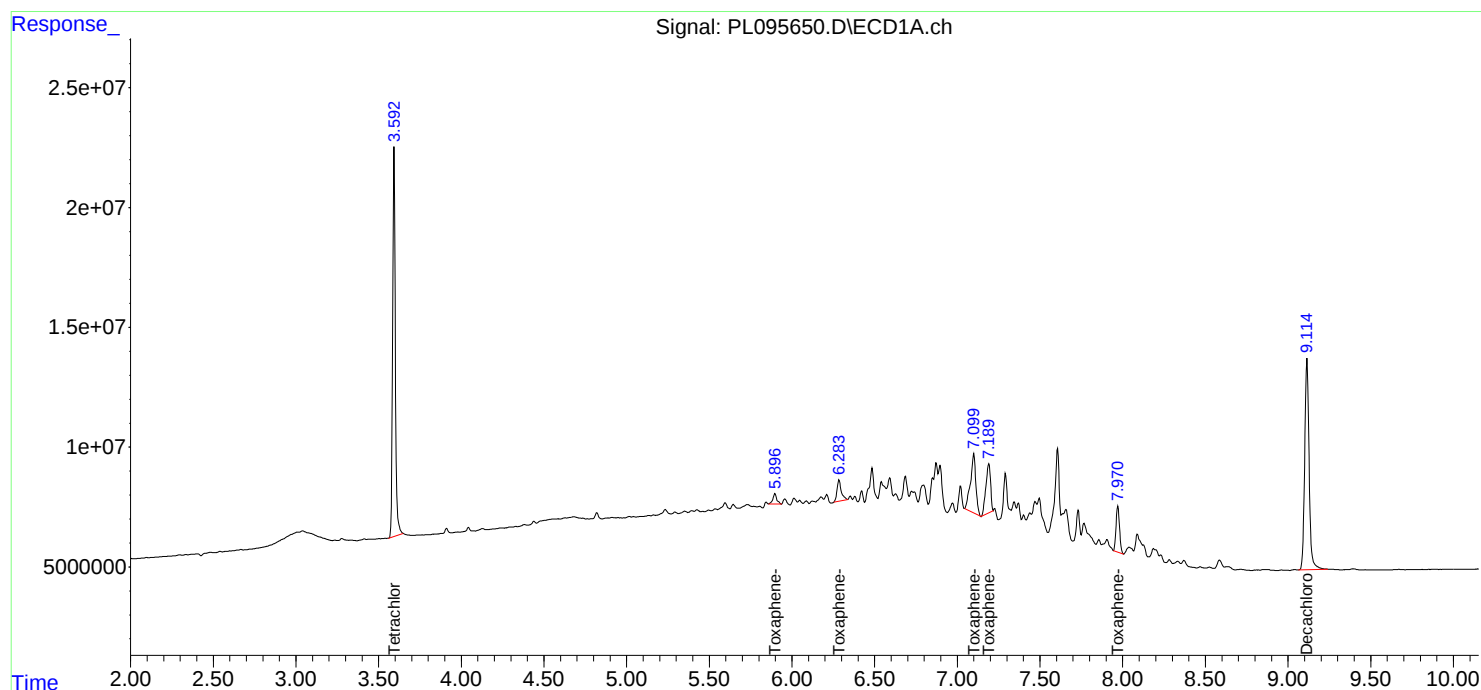
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095650.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 17:47  
Operator : AR\AJ  
Sample : PTOXICV500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL051325

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 14 12:10:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\LTX051325.M  
Quant Title : GC Extractables  
QLast Update : Wed May 14 12:02:44 2025  
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\PL051325\  
 Data File : PL095651.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 10:07  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL051325

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 14 10:53:46 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.596 | 2.909 | 196.8E6  | 223.5E6 | 48.162 | 47.719 |
| 28)                         | SA Decachlor... | 9.120 | 8.089 | 164.4E6  | 197.5E6 | 48.458 | 47.885 |
| Target Compounds            |                 |       |       |          |         |        |        |
| 2)                          | A alpha-BHC     | 4.047 | 3.419 | 290.6E6  | 345.9E6 | 49.661 | 48.365 |
| 3)                          | MA gamma-BHC... | 4.378 | 3.753 | 274.0E6  | 324.9E6 | 49.233 | 48.117 |
| 4)                          | MA Heptachlor   | 4.975 | 4.106 | 264.9E6  | 308.8E6 | 48.640 | 47.336 |
| 5)                          | MB Aldrin       | 5.317 | 4.392 | 283.5E6  | 306.4E6 | 49.361 | 48.044 |
| 6)                          | B beta-BHC      | 4.564 | 4.047 | 117.9E6  | 142.3E6 | 48.138 | 47.175 |
| 7)                          | B delta-BHC     | 4.812 | 4.283 | 263.6E6  | 326.3E6 | 48.526 | 47.940 |
| 8)                          | B Heptachlo...  | 5.738 | 4.895 | 247.0E6  | 279.5E6 | 47.674 | 48.368 |
| 9)                          | A Endosulfan I  | 6.121 | 5.268 | 242.5E6  | 268.1E6 | 49.530 | 51.833 |
| 10)                         | B gamma-Chl...  | 5.992 | 5.147 | 262.7E6  | 291.5E6 | 49.047 | 48.936 |
| 11)                         | B alpha-Chl...  | 6.073 | 5.212 | 259.1E6  | 284.7E6 | 49.848 | 48.242 |
| 12)                         | B 4,4'-DDE      | 6.242 | 5.397 | 258.2E6  | 289.8E6 | 50.449 | 48.553 |
| 13)                         | MA Dieldrin     | 6.395 | 5.533 | 244.9E6  | 298.2E6 | 49.691 | 48.471 |
| 14)                         | MA Endrin       | 6.622 | 5.808 | 177.3E6  | 241.2E6 | 46.283 | 45.264 |
| 15)                         | B Endosulfa...  | 6.834 | 6.099 | 203.2E6  | 262.3E6 | 48.751 | 47.893 |
| 16)                         | A 4,4'-DDD      | 6.751 | 5.950 | 190.6E6  | 253.4E6 | 49.041 | 49.270 |
| 17)                         | MA 4,4'-DDT     | 7.067 | 6.204 | 174.7E6  | 238.8E6 | 48.566 | 47.572 |
| 18)                         | B Endrin al...  | 6.962 | 6.277 | 148.3E6  | 191.7E6 | 50.515 | 50.062 |
| 19)                         | B Endosulfa...  | 7.197 | 6.500 | 181.3E6  | 238.9E6 | 49.408 | 48.055 |
| 20)                         | A Methoxychlor  | 7.538 | 6.774 | 80139795 | 126.4E6 | 47.531 | 46.708 |
| 21)                         | B Endrin ke...  | 7.678 | 7.007 | 191.9E6  | 296.5E6 | 51.221 | 50.450 |
| 22)                         | Mirex           | 8.160 | 7.201 | 149.5E6  | 209.4E6 | 49.096 | 48.570 |
| -----                       |                 |       |       |          |         |        |        |

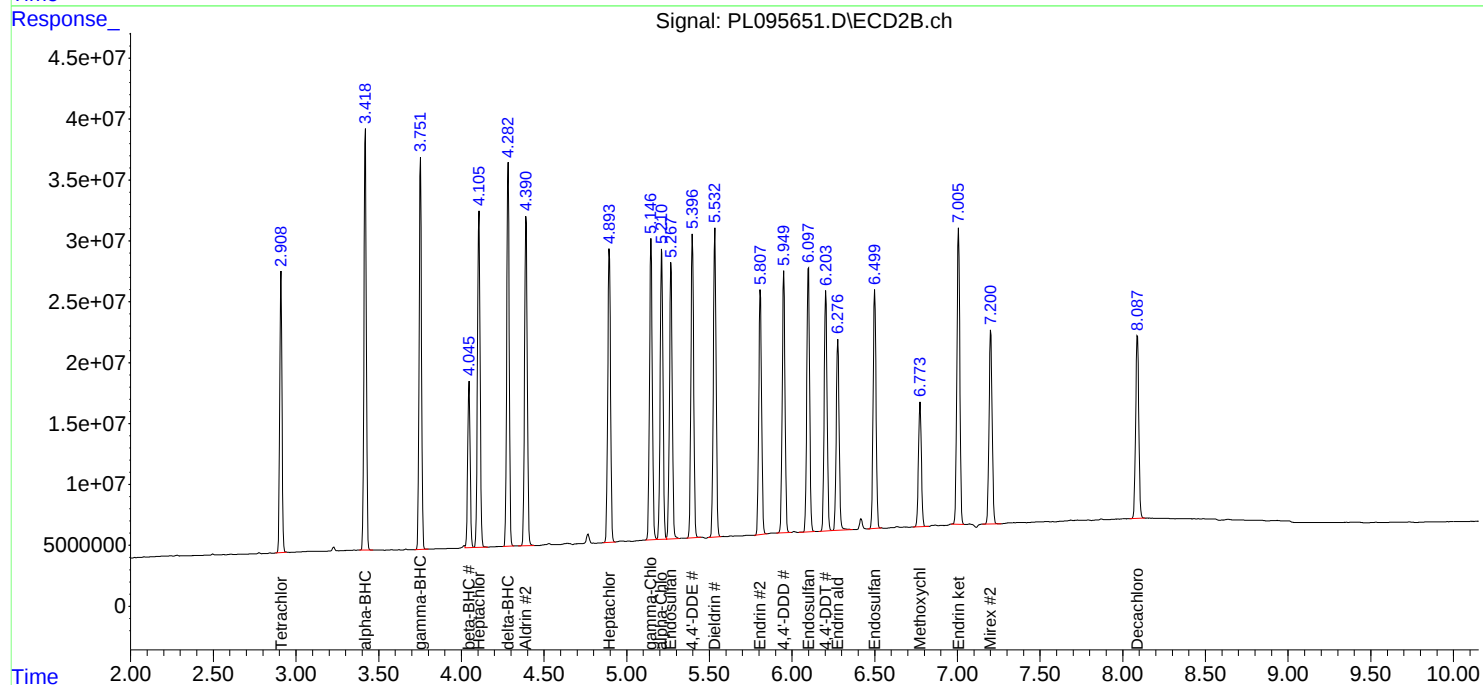
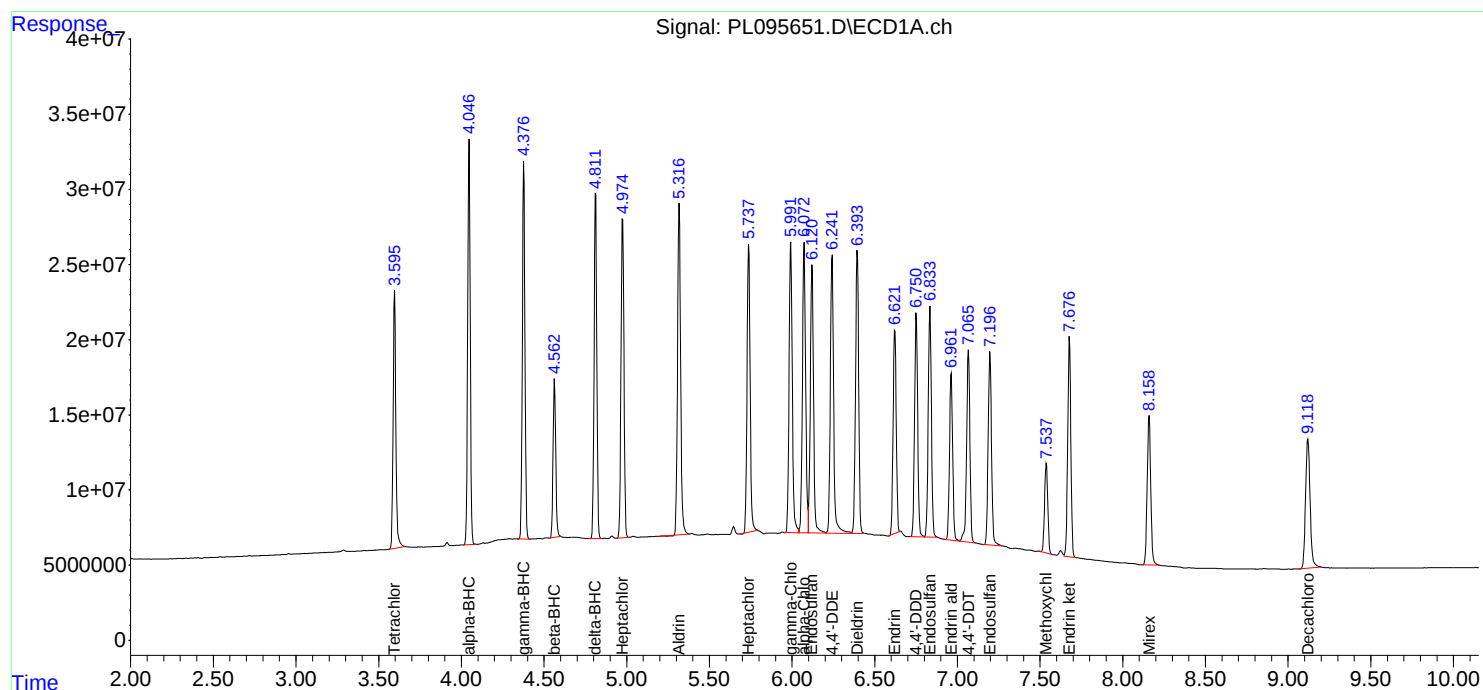
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095651.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 10:07  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ICVPL051325

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 14 10:53:46 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095652.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 10:21  
 Operator : AR\AJ  
 Sample : PCHLORICV500  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ICVPL051325

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/15/2025  
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 14 10:34:10 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|---------|----------|----------|
| -----                       |       |       |          |         |          |          |
| System Monitoring Compounds |       |       |          |         |          |          |
| 1) SA Tetrachlo...          | 3.592 | 2.910 | 185.0E6  | 262.9E6 | 45.271   | 56.136   |
| 28) SA Decachlor...         | 9.113 | 8.087 | 160.5E6  | 196.9E6 | 47.323   | 47.740   |
| Target Compounds            |       |       |          |         |          |          |
| 23) Chlordane-1             | 4.755 | 3.930 | 112.4E6  | 113.1E6 | 483.111m | 470.086  |
| 24) Chlordane-2             | 5.283 | 4.510 | 125.8E6  | 124.7E6 | 456.045  | 468.577  |
| 25) Chlordane-3             | 5.987 | 5.146 | 456.4E6  | 351.6E6 | 471.195m | 454.259m |
| 26) Chlordane-4             | 6.074 | 5.211 | 555.2E6  | 293.9E6 | 478.281  | 453.947  |
| 27) Chlordane-5             | 6.913 | 6.108 | 96083689 | 139.8E6 | 506.700  | 486.556  |
| -----                       |       |       |          |         |          |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095652.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 10:21  
Operator : AR\AJ  
Sample : PCHLORICV500  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

ICVPL051325

## Manual Integrations

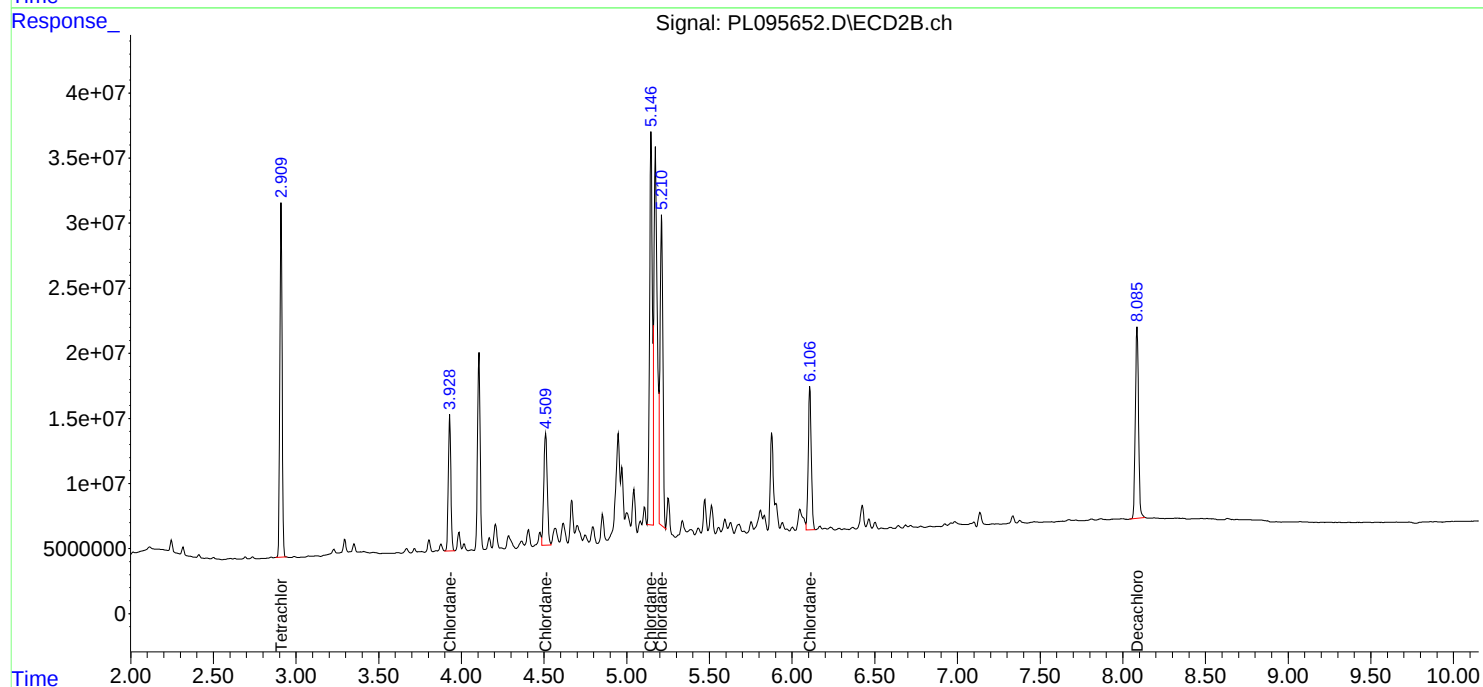
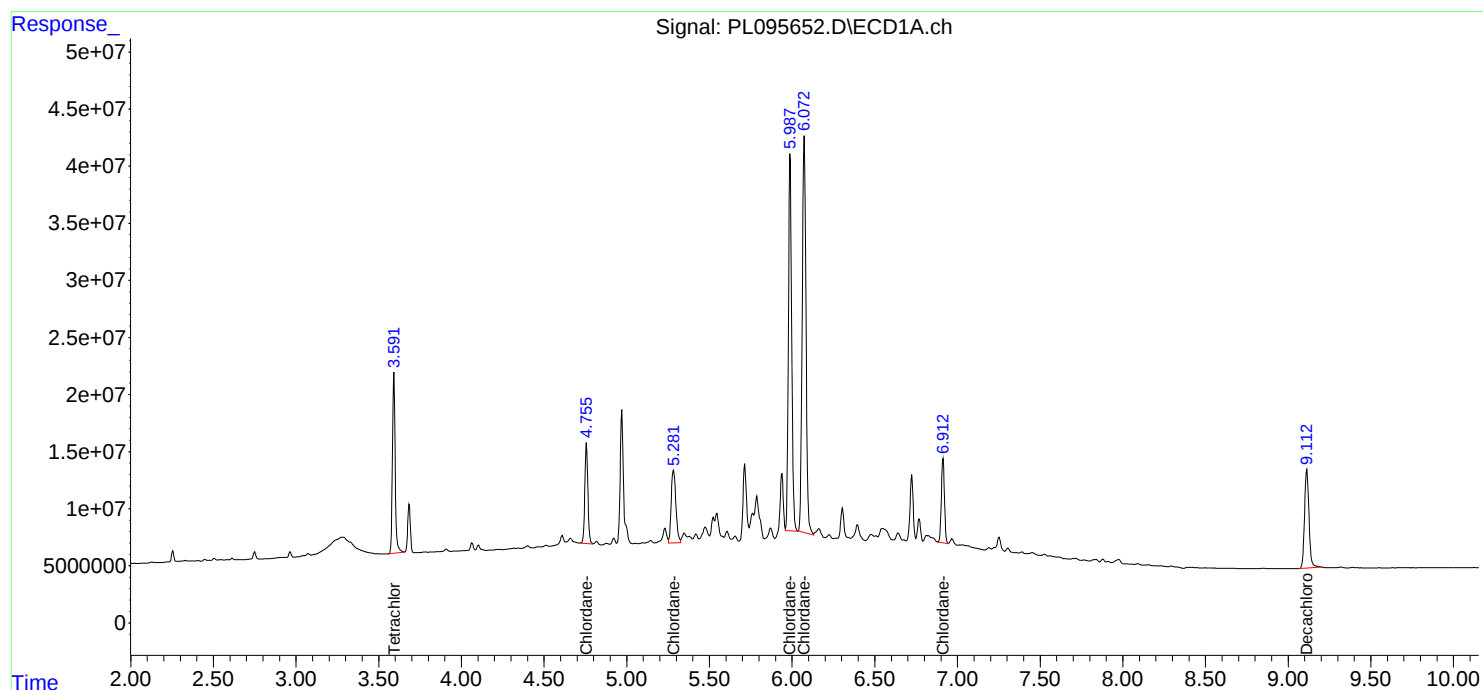
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 14 10:34:10 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 16:26 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.11       | 9.12      | 9.02      | 9.22 | 0.01       |
| Tetrachloro-m-xylene | 3.59       | 3.59      | 3.49      | 3.69 | 0.00       |
| alpha-BHC            | 4.04       | 4.04      | 3.94      | 4.14 | 0.00       |
| beta-BHC             | 4.56       | 4.56      | 4.46      | 4.66 | 0.00       |
| delta-BHC            | 4.81       | 4.81      | 4.71      | 4.91 | 0.00       |
| gamma-BHC (Lindane)  | 4.37       | 4.38      | 4.28      | 4.48 | 0.01       |
| Heptachlor           | 4.97       | 4.97      | 4.87      | 5.07 | 0.00       |
| Aldrin               | 5.31       | 5.31      | 5.21      | 5.41 | 0.00       |
| Heptachlor epoxide   | 5.73       | 5.74      | 5.64      | 5.84 | 0.01       |
| Endosulfan I         | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| Dieldrin             | 6.39       | 6.39      | 6.29      | 6.49 | 0.00       |
| 4,4'-DDE             | 6.24       | 6.24      | 6.14      | 6.34 | 0.00       |
| Endrin               | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endosulfan II        | 6.83       | 6.83      | 6.73      | 6.93 | 0.00       |
| 4,4'-DDD             | 6.75       | 6.75      | 6.65      | 6.85 | 0.00       |
| Endosulfan sulfate   | 7.19       | 7.19      | 7.09      | 7.29 | 0.00       |
| 4,4'-DDT             | 7.06       | 7.06      | 6.96      | 7.16 | 0.00       |
| Methoxychlor         | 7.53       | 7.53      | 7.43      | 7.63 | 0.00       |
| Endrin ketone        | 7.67       | 7.67      | 7.57      | 7.77 | 0.00       |
| Endrin aldehyde      | 6.96       | 6.96      | 6.86      | 7.06 | 0.00       |
| alpha-Chlordane      | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| gamma-Chlordane      | 5.99       | 5.99      | 5.89      | 6.09 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 16:26 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.08       | 8.09      | 7.99      | 8.19 | 0.01       |
| Tetrachloro-m-xylene | 2.91       | 2.91      | 2.81      | 3.01 | 0.01       |
| alpha-BHC            | 3.42       | 3.42      | 3.32      | 3.52 | 0.01       |
| beta-BHC             | 4.04       | 4.05      | 3.95      | 4.15 | 0.01       |
| delta-BHC            | 4.28       | 4.28      | 4.18      | 4.38 | 0.00       |
| gamma-BHC (Lindane)  | 3.75       | 3.75      | 3.65      | 3.85 | 0.00       |
| Heptachlor           | 4.10       | 4.11      | 4.01      | 4.21 | 0.01       |
| Aldrin               | 4.39       | 4.39      | 4.29      | 4.49 | 0.00       |
| Heptachlor epoxide   | 4.89       | 4.90      | 4.80      | 5.00 | 0.01       |
| Endosulfan I         | 5.26       | 5.27      | 5.17      | 5.37 | 0.01       |
| Dieldrin             | 5.53       | 5.53      | 5.43      | 5.63 | 0.00       |
| 4,4'-DDE             | 5.39       | 5.40      | 5.30      | 5.50 | 0.01       |
| Endrin               | 5.80       | 5.81      | 5.71      | 5.91 | 0.01       |
| Endosulfan II        | 6.09       | 6.10      | 6.00      | 6.20 | 0.01       |
| 4,4'-DDD             | 5.94       | 5.95      | 5.85      | 6.05 | 0.01       |
| Endosulfan sulfate   | 6.49       | 6.50      | 6.40      | 6.60 | 0.01       |
| 4,4'-DDT             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Methoxychlor         | 6.77       | 6.77      | 6.67      | 6.87 | 0.00       |
| Endrin ketone        | 7.00       | 7.01      | 6.91      | 7.11 | 0.01       |
| Endrin aldehyde      | 6.27       | 6.28      | 6.18      | 6.38 | 0.01       |
| alpha-Chlordane      | 5.21       | 5.21      | 5.11      | 5.31 | 0.01       |
| gamma-Chlordane      | 5.14       | 5.15      | 5.05      | 5.25 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL01 Date Analyzed: 05/14/2025

Lab Sample No.: PSTDCCC050 Data File : PL095667.D Time Analyzed: 16:26

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.746 | 6.648     | 6.848 | 51.350             | 50.000            | 2.7  |
| 4,4'-DDE             | 6.237 | 6.139     | 6.339 | 52.400             | 50.000            | 4.8  |
| 4,4'-DDT             | 7.061 | 6.964     | 7.164 | 49.610             | 50.000            | -0.8 |
| Aldrin               | 5.312 | 5.214     | 5.414 | 51.000             | 50.000            | 2.0  |
| alpha-BHC            | 4.042 | 3.944     | 4.144 | 51.070             | 50.000            | 2.1  |
| alpha-Chlordane      | 6.068 | 5.971     | 6.171 | 51.570             | 50.000            | 3.1  |
| beta-BHC             | 4.559 | 4.460     | 4.660 | 49.590             | 50.000            | -0.8 |
| Decachlorobiphenyl   | 9.112 | 9.015     | 9.215 | 49.600             | 50.000            | -0.8 |
| delta-BHC            | 4.807 | 4.709     | 4.909 | 50.090             | 50.000            | 0.2  |
| Dieldrin             | 6.389 | 6.291     | 6.491 | 51.500             | 50.000            | 3.0  |
| Endosulfan I         | 6.116 | 6.019     | 6.219 | 51.520             | 50.000            | 3.0  |
| Endosulfan II        | 6.828 | 6.731     | 6.931 | 50.330             | 50.000            | 0.7  |
| Endosulfan sulfate   | 7.190 | 7.093     | 7.293 | 51.440             | 50.000            | 2.9  |
| Endrin               | 6.617 | 6.519     | 6.719 | 48.320             | 50.000            | -3.4 |
| Endrin aldehyde      | 6.957 | 6.860     | 7.060 | 51.230             | 50.000            | 2.5  |
| Endrin ketone        | 7.672 | 7.574     | 7.774 | 52.320             | 50.000            | 4.6  |
| gamma-BHC (Lindane)  | 4.373 | 4.275     | 4.475 | 50.670             | 50.000            | 1.3  |
| gamma-Chlordane      | 5.987 | 5.890     | 6.090 | 50.850             | 50.000            | 1.7  |
| Heptachlor           | 4.970 | 4.872     | 5.072 | 49.670             | 50.000            | -0.7 |
| Heptachlor epoxide   | 5.733 | 5.635     | 5.835 | 49.410             | 50.000            | -1.2 |
| Methoxychlor         | 7.532 | 7.434     | 7.634 | 48.030             | 50.000            | -3.9 |
| Tetrachloro-m-xylene | 3.592 | 3.493     | 3.693 | 49.560             | 50.000            | -0.9 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL01 Date Analyzed: 05/14/2025

Lab Sample No.: PSTDCCC050 Data File : PL095667.D Time Analyzed: 16:26

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.943 | 5.849     | 6.049 | 47.700             | 50.000            | -4.6  |
| 4,4'-DDE             | 5.390 | 5.298     | 5.498 | 46.350             | 50.000            | -7.3  |
| 4,4'-DDT             | 6.197 | 6.103     | 6.303 | 44.090             | 50.000            | -11.8 |
| Aldrin               | 4.386 | 4.292     | 4.492 | 45.940             | 50.000            | -8.1  |
| alpha-BHC            | 3.415 | 3.320     | 3.520 | 46.660             | 50.000            | -6.7  |
| alpha-Chlordane      | 5.205 | 5.112     | 5.312 | 45.450             | 50.000            | -9.1  |
| beta-BHC             | 4.042 | 3.947     | 4.147 | 44.780             | 50.000            | -10.4 |
| Decachlorobiphenyl   | 8.080 | 7.987     | 8.187 | 46.030             | 50.000            | -7.9  |
| delta-BHC            | 4.277 | 4.183     | 4.383 | 46.210             | 50.000            | -7.6  |
| Dieldrin             | 5.526 | 5.433     | 5.633 | 46.570             | 50.000            | -6.9  |
| Endosulfan I         | 5.261 | 5.168     | 5.368 | 47.830             | 50.000            | -4.3  |
| Endosulfan II        | 6.091 | 5.998     | 6.198 | 45.590             | 50.000            | -8.8  |
| Endosulfan sulfate   | 6.493 | 6.399     | 6.599 | 45.770             | 50.000            | -8.5  |
| Endrin               | 5.801 | 5.708     | 5.908 | 43.950             | 50.000            | -12.1 |
| Endrin aldehyde      | 6.270 | 6.176     | 6.376 | 47.020             | 50.000            | -6.0  |
| Endrin ketone        | 6.999 | 6.905     | 7.105 | 47.430             | 50.000            | -5.1  |
| gamma-BHC (Lindane)  | 3.748 | 3.653     | 3.853 | 46.390             | 50.000            | -7.2  |
| gamma-Chlordane      | 5.141 | 5.048     | 5.248 | 46.000             | 50.000            | -8.0  |
| Heptachlor           | 4.101 | 4.007     | 4.207 | 44.550             | 50.000            | -10.9 |
| Heptachlor epoxide   | 4.889 | 4.795     | 4.995 | 46.010             | 50.000            | -8.0  |
| Methoxychlor         | 6.767 | 6.673     | 6.873 | 42.910             | 50.000            | -14.2 |
| Tetrachloro-m-xylene | 2.905 | 2.810     | 3.010 | 45.950             | 50.000            | -8.1  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
 Data File : PL095667.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 16:26  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_L

**ClientSampleId :**

PSTDCCC050

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 15 02:10:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|---------|
| -----                       |                 |       |       |          |         |        |         |
| System Monitoring Compounds |                 |       |       |          |         |        |         |
| 1)                          | SA Tetrachlo... | 3.592 | 2.905 | 202.5E6  | 215.2E6 | 49.558 | 45.949  |
| 28)                         | SA Decachlor... | 9.112 | 8.080 | 168.3E6  | 189.9E6 | 49.602 | 46.031  |
| Target Compounds            |                 |       |       |          |         |        |         |
| 2)                          | A alpha-BHC     | 4.042 | 3.415 | 298.8E6  | 333.7E6 | 51.075 | 46.663  |
| 3)                          | MA gamma-BHC... | 4.373 | 3.748 | 282.1E6  | 313.3E6 | 50.674 | 46.395  |
| 4)                          | MA Heptachlor   | 4.970 | 4.101 | 270.5E6  | 290.6E6 | 49.666 | 44.547  |
| 5)                          | MB Aldrin       | 5.312 | 4.386 | 292.9E6  | 293.0E6 | 51.000 | 45.935  |
| 6)                          | B beta-BHC      | 4.559 | 4.042 | 121.4E6  | 135.1E6 | 49.586 | 44.777  |
| 7)                          | B delta-BHC     | 4.807 | 4.277 | 272.2E6  | 314.6E6 | 50.094 | 46.215  |
| 8)                          | B Heptachlo...  | 5.733 | 4.889 | 256.0E6  | 265.9E6 | 49.410 | 46.007  |
| 9)                          | A Endosulfan I  | 6.116 | 5.261 | 252.2E6  | 247.4E6 | 51.524 | 47.829  |
| 10)                         | B gamma-Chl...  | 5.987 | 5.141 | 272.3E6  | 274.0E6 | 50.846 | 45.998  |
| 11)                         | B alpha-Chl...  | 6.068 | 5.205 | 268.1E6  | 268.2E6 | 51.574 | 45.446  |
| 12)                         | B 4,4'-DDE      | 6.237 | 5.390 | 268.2E6  | 276.6E6 | 52.397 | 46.350m |
| 13)                         | MA Dieldrin     | 6.389 | 5.526 | 253.8E6  | 286.5E6 | 51.499 | 46.572  |
| 14)                         | MA Endrin       | 6.617 | 5.801 | 185.1E6  | 234.1E6 | 48.324 | 43.949  |
| 15)                         | B Endosulfa...  | 6.828 | 6.091 | 209.8E6  | 249.7E6 | 50.330 | 45.592  |
| 16)                         | A 4,4'-DDD      | 6.746 | 5.943 | 199.5E6  | 245.3E6 | 51.346 | 47.700  |
| 17)                         | MA 4,4'-DDT     | 7.061 | 6.197 | 178.5E6  | 221.3E6 | 49.612 | 44.087  |
| 18)                         | B Endrin al...  | 6.957 | 6.270 | 150.4E6  | 180.0E6 | 51.230 | 47.016  |
| 19)                         | B Endosulfa...  | 7.190 | 6.493 | 188.8E6  | 227.5E6 | 51.438 | 45.768  |
| 20)                         | A Methoxychlor  | 7.532 | 6.767 | 80986407 | 116.1E6 | 48.034 | 42.907  |
| 21)                         | B Endrin ke...  | 7.672 | 6.999 | 196.0E6  | 278.8E6 | 52.323 | 47.435  |
| 22)                         | Mirex           | 8.154 | 7.194 | 153.3E6  | 195.6E6 | 50.356 | 45.368  |
| -----                       |                 |       |       |          |         |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095667.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 16:26  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

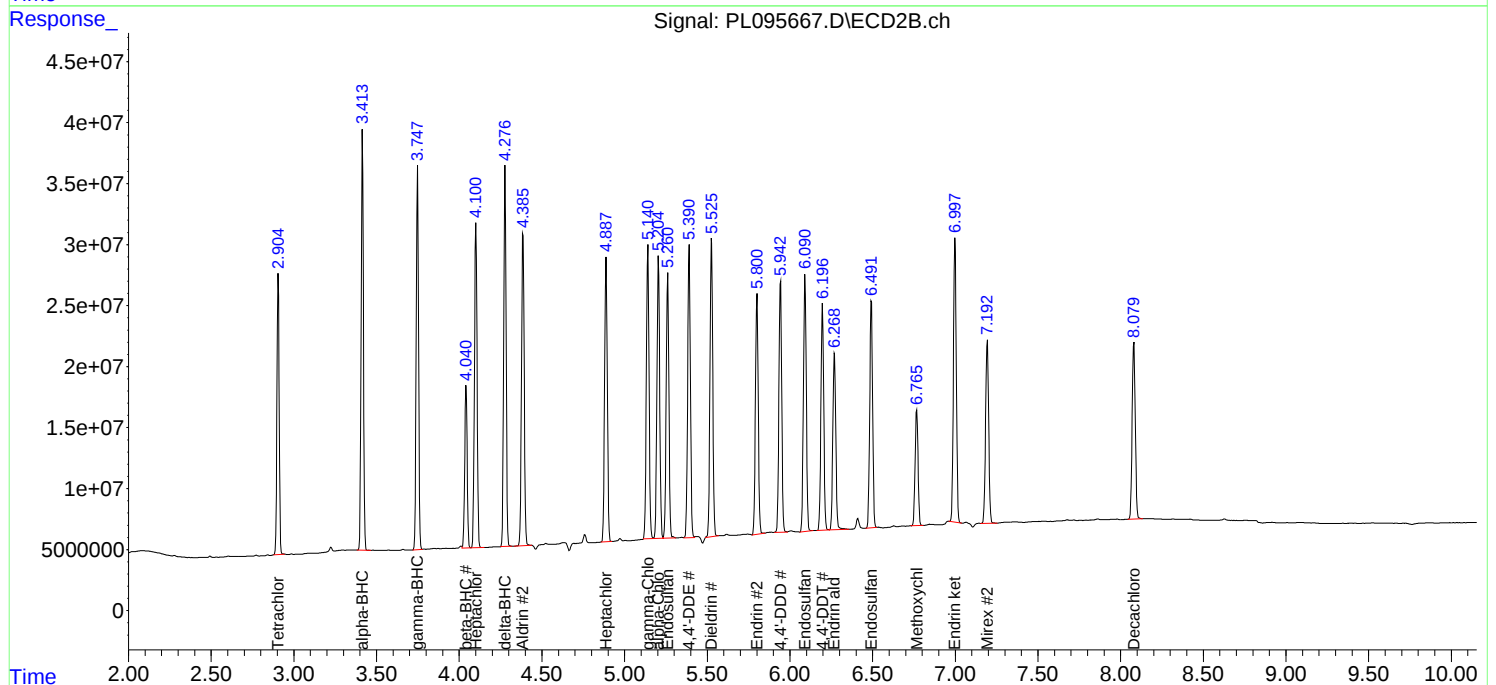
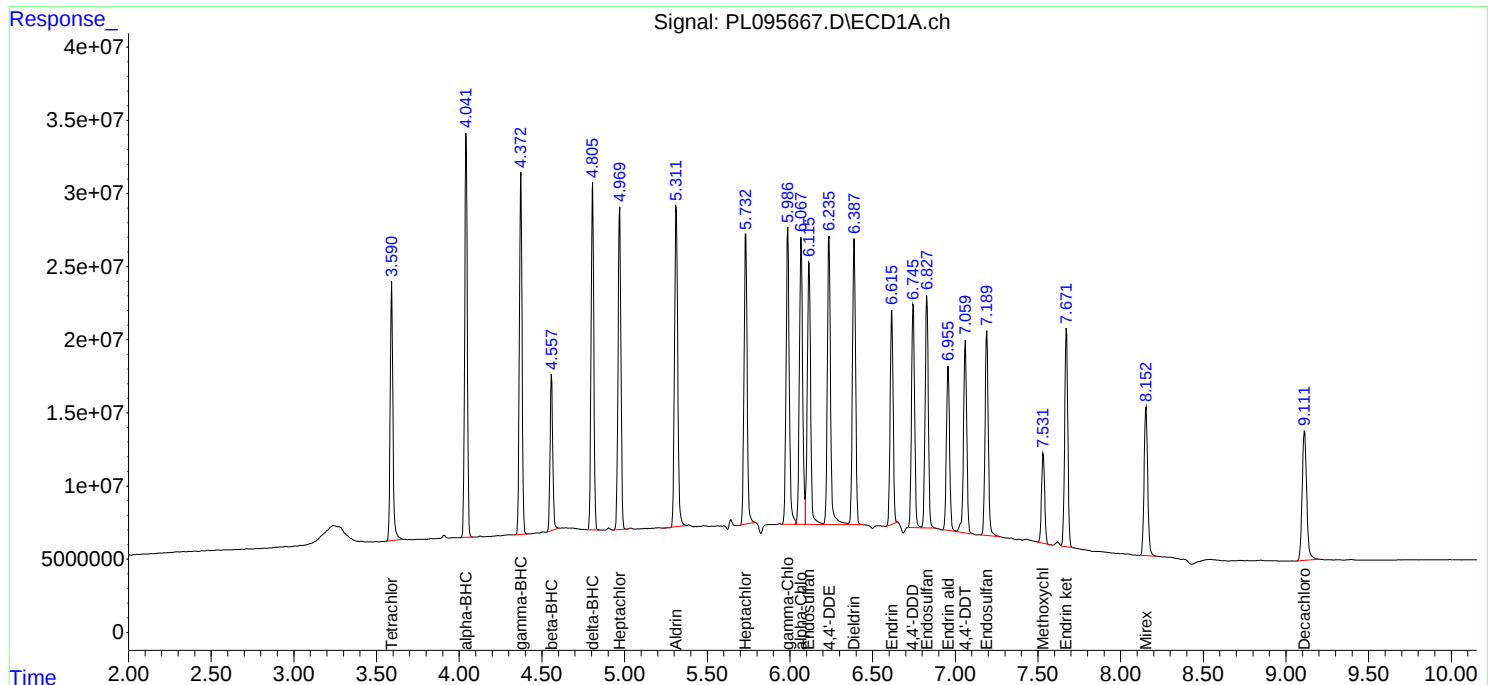
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:10:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 20:49 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.11       | 9.12      | 9.02      | 9.22 | 0.01       |
| Tetrachloro-m-xylene | 3.59       | 3.59      | 3.49      | 3.69 | 0.00       |
| alpha-BHC            | 4.04       | 4.04      | 3.94      | 4.14 | 0.00       |
| beta-BHC             | 4.56       | 4.56      | 4.46      | 4.66 | 0.00       |
| delta-BHC            | 4.81       | 4.81      | 4.71      | 4.91 | 0.00       |
| gamma-BHC (Lindane)  | 4.37       | 4.38      | 4.28      | 4.48 | 0.01       |
| Heptachlor           | 4.97       | 4.97      | 4.87      | 5.07 | 0.00       |
| Aldrin               | 5.31       | 5.31      | 5.21      | 5.41 | 0.00       |
| Heptachlor epoxide   | 5.73       | 5.74      | 5.64      | 5.84 | 0.01       |
| Endosulfan I         | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| Dieldrin             | 6.39       | 6.39      | 6.29      | 6.49 | 0.00       |
| 4,4'-DDE             | 6.24       | 6.24      | 6.14      | 6.34 | 0.00       |
| Endrin               | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endosulfan II        | 6.83       | 6.83      | 6.73      | 6.93 | 0.00       |
| 4,4'-DDD             | 6.75       | 6.75      | 6.65      | 6.85 | 0.00       |
| Endosulfan sulfate   | 7.19       | 7.19      | 7.09      | 7.29 | 0.00       |
| 4,4'-DDT             | 7.06       | 7.06      | 6.96      | 7.16 | 0.00       |
| Methoxychlor         | 7.53       | 7.53      | 7.43      | 7.63 | 0.00       |
| Endrin ketone        | 7.67       | 7.67      | 7.57      | 7.77 | 0.00       |
| Endrin aldehyde      | 6.96       | 6.96      | 6.86      | 7.06 | 0.00       |
| alpha-Chlordane      | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| gamma-Chlordane      | 5.99       | 5.99      | 5.89      | 6.09 | 0.00       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 20:49 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.08       | 8.09      | 7.99      | 8.19 | 0.01       |
| Tetrachloro-m-xylene | 2.91       | 2.91      | 2.81      | 3.01 | 0.00       |
| alpha-BHC            | 3.42       | 3.42      | 3.32      | 3.52 | 0.00       |
| beta-BHC             | 4.04       | 4.05      | 3.95      | 4.15 | 0.01       |
| delta-BHC            | 4.28       | 4.28      | 4.18      | 4.38 | 0.00       |
| gamma-BHC (Lindane)  | 3.75       | 3.75      | 3.65      | 3.85 | 0.00       |
| Heptachlor           | 4.10       | 4.11      | 4.01      | 4.21 | 0.01       |
| Aldrin               | 4.39       | 4.39      | 4.29      | 4.49 | 0.00       |
| Heptachlor epoxide   | 4.89       | 4.90      | 4.80      | 5.00 | 0.01       |
| Endosulfan I         | 5.26       | 5.27      | 5.17      | 5.37 | 0.01       |
| Dieldrin             | 5.53       | 5.53      | 5.43      | 5.63 | 0.00       |
| 4,4'-DDE             | 5.39       | 5.40      | 5.30      | 5.50 | 0.01       |
| Endrin               | 5.80       | 5.81      | 5.71      | 5.91 | 0.01       |
| Endosulfan II        | 6.09       | 6.10      | 6.00      | 6.20 | 0.01       |
| 4,4'-DDD             | 5.95       | 5.95      | 5.85      | 6.05 | 0.00       |
| Endosulfan sulfate   | 6.50       | 6.50      | 6.40      | 6.60 | 0.01       |
| 4,4'-DDT             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Methoxychlor         | 6.77       | 6.77      | 6.67      | 6.87 | 0.00       |
| Endrin ketone        | 7.00       | 7.01      | 6.91      | 7.11 | 0.01       |
| Endrin aldehyde      | 6.27       | 6.28      | 6.18      | 6.38 | 0.01       |
| alpha-Chlordane      | 5.21       | 5.21      | 5.11      | 5.31 | 0.00       |
| gamma-Chlordane      | 5.14       | 5.15      | 5.05      | 5.25 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL02 Date Analyzed: 05/14/2025

Lab Sample No.: PSTDCCC050 Data File : PL095683.D Time Analyzed: 20:49

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.746 | 6.648     | 6.848 | 52.330             | 50.000            | 4.7   |
| 4,4'-DDE             | 6.237 | 6.139     | 6.339 | 53.220             | 50.000            | 6.4   |
| 4,4'-DDT             | 7.061 | 6.964     | 7.164 | 45.520             | 50.000            | -9.0  |
| Aldrin               | 5.312 | 5.214     | 5.414 | 51.960             | 50.000            | 3.9   |
| alpha-BHC            | 4.042 | 3.944     | 4.144 | 52.110             | 50.000            | 4.2   |
| alpha-Chlordane      | 6.068 | 5.971     | 6.171 | 52.210             | 50.000            | 4.4   |
| beta-BHC             | 4.558 | 4.460     | 4.660 | 51.520             | 50.000            | 3.0   |
| Decachlorobiphenyl   | 9.113 | 9.015     | 9.215 | 49.310             | 50.000            | -1.4  |
| delta-BHC            | 4.806 | 4.709     | 4.909 | 51.260             | 50.000            | 2.5   |
| Dieldrin             | 6.389 | 6.291     | 6.491 | 50.790             | 50.000            | 1.6   |
| Endosulfan I         | 6.116 | 6.019     | 6.219 | 51.250             | 50.000            | 2.5   |
| Endosulfan II        | 6.828 | 6.731     | 6.931 | 49.690             | 50.000            | -0.6  |
| Endosulfan sulfate   | 7.191 | 7.093     | 7.293 | 50.210             | 50.000            | 0.4   |
| Endrin               | 6.617 | 6.519     | 6.719 | 46.380             | 50.000            | -7.2  |
| Endrin aldehyde      | 6.957 | 6.860     | 7.060 | 50.050             | 50.000            | 0.1   |
| Endrin ketone        | 7.672 | 7.574     | 7.774 | 52.000             | 50.000            | 4.0   |
| gamma-BHC (Lindane)  | 4.373 | 4.275     | 4.475 | 51.450             | 50.000            | 2.9   |
| gamma-Chlordane      | 5.987 | 5.890     | 6.090 | 51.600             | 50.000            | 3.2   |
| Heptachlor           | 4.970 | 4.872     | 5.072 | 48.770             | 50.000            | -2.5  |
| Heptachlor epoxide   | 5.733 | 5.635     | 5.835 | 50.070             | 50.000            | 0.1   |
| Methoxychlor         | 7.533 | 7.434     | 7.634 | 44.490             | 50.000            | -11.0 |
| Tetrachloro-m-xylene | 3.591 | 3.493     | 3.693 | 51.430             | 50.000            | 2.9   |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL02 Date Analyzed: 05/14/2025

Lab Sample No.: PSTDCCC050 Data File : PL095683.D Time Analyzed: 20:49

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.946 | 5.849     | 6.049 | 51.230             | 50.000            | 2.5   |
| 4,4'-DDE             | 5.393 | 5.298     | 5.498 | 48.180             | 50.000            | -3.6  |
| 4,4'-DDT             | 6.199 | 6.103     | 6.303 | 42.400             | 50.000            | -15.2 |
| Aldrin               | 4.388 | 4.292     | 4.492 | 48.240             | 50.000            | -3.5  |
| alpha-BHC            | 3.417 | 3.320     | 3.520 | 48.730             | 50.000            | -2.5  |
| alpha-Chlordane      | 5.207 | 5.112     | 5.312 | 47.690             | 50.000            | -4.6  |
| beta-BHC             | 4.043 | 3.947     | 4.147 | 47.290             | 50.000            | -5.4  |
| Decachlorobiphenyl   | 8.082 | 7.987     | 8.187 | 45.850             | 50.000            | -8.3  |
| delta-BHC            | 4.280 | 4.183     | 4.383 | 48.830             | 50.000            | -2.3  |
| Dieldrin             | 5.528 | 5.433     | 5.633 | 49.150             | 50.000            | -1.7  |
| Endosulfan I         | 5.263 | 5.168     | 5.368 | 48.290             | 50.000            | -3.4  |
| Endosulfan II        | 6.094 | 5.998     | 6.198 | 47.600             | 50.000            | -4.8  |
| Endosulfan sulfate   | 6.495 | 6.399     | 6.599 | 47.210             | 50.000            | -5.6  |
| Endrin               | 5.803 | 5.708     | 5.908 | 44.660             | 50.000            | -10.7 |
| Endrin aldehyde      | 6.272 | 6.176     | 6.376 | 48.180             | 50.000            | -3.6  |
| Endrin ketone        | 7.001 | 6.905     | 7.105 | 48.800             | 50.000            | -2.4  |
| gamma-BHC (Lindane)  | 3.750 | 3.653     | 3.853 | 48.490             | 50.000            | -3.0  |
| gamma-Chlordane      | 5.143 | 5.048     | 5.248 | 48.700             | 50.000            | -2.6  |
| Heptachlor           | 4.103 | 4.007     | 4.207 | 45.540             | 50.000            | -8.9  |
| Heptachlor epoxide   | 4.891 | 4.795     | 4.995 | 48.300             | 50.000            | -3.4  |
| Methoxychlor         | 6.769 | 6.673     | 6.873 | 41.350             | 50.000            | -17.3 |
| Tetrachloro-m-xylene | 2.907 | 2.810     | 3.010 | 47.910             | 50.000            | -4.2  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
 Data File : PL095683.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 20:49  
 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: May 15 02:17:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.591 | 2.907 | 210.2E6  | 224.4E6 | 51.434 | 47.909 |
| 28)                         | SA Decachlor... | 9.113 | 8.082 | 167.3E6  | 189.1E6 | 49.305 | 45.850 |
| Target Compounds            |                 |       |       |          |         |        |        |
| 2)                          | A alpha-BHC     | 4.042 | 3.417 | 304.9E6  | 348.5E6 | 52.106 | 48.727 |
| 3)                          | MA gamma-BHC... | 4.373 | 3.750 | 286.4E6  | 327.4E6 | 51.453 | 48.487 |
| 4)                          | MA Heptachlor   | 4.970 | 4.103 | 265.6E6  | 297.0E6 | 48.768 | 45.536 |
| 5)                          | MB Aldrin       | 5.312 | 4.388 | 298.4E6  | 307.7E6 | 51.957 | 48.237 |
| 6)                          | B beta-BHC      | 4.558 | 4.043 | 126.2E6  | 142.7E6 | 51.523 | 47.286 |
| 7)                          | B delta-BHC     | 4.806 | 4.280 | 278.5E6  | 332.4E6 | 51.255 | 48.834 |
| 8)                          | B Heptachlo...  | 5.733 | 4.891 | 259.5E6  | 279.2E6 | 50.073 | 48.302 |
| 9)                          | A Endosulfan I  | 6.116 | 5.263 | 250.9E6  | 249.8E6 | 51.254 | 48.291 |
| 10)                         | B gamma-Chl...  | 5.987 | 5.143 | 276.4E6  | 290.1E6 | 51.604 | 48.696 |
| 11)                         | B alpha-Chl...  | 6.068 | 5.207 | 271.4E6  | 281.5E6 | 52.210 | 47.694 |
| 12)                         | B 4,4'-DDE      | 6.237 | 5.393 | 272.4E6  | 287.5E6 | 53.222 | 48.183 |
| 13)                         | MA Dieldrin     | 6.389 | 5.528 | 250.3E6  | 302.4E6 | 50.795 | 49.151 |
| 14)                         | MA Endrin       | 6.617 | 5.803 | 177.7E6  | 237.9E6 | 46.380 | 44.659 |
| 15)                         | B Endosulfa...  | 6.828 | 6.094 | 207.1E6  | 260.7E6 | 49.693 | 47.595 |
| 16)                         | A 4,4'-DDD      | 6.746 | 5.946 | 203.3E6  | 263.5E6 | 52.328 | 51.234 |
| 17)                         | MA 4,4'-DDT     | 7.061 | 6.199 | 163.8E6  | 212.8E6 | 45.519 | 42.405 |
| 18)                         | B Endrin al...  | 6.957 | 6.272 | 146.9E6  | 184.5E6 | 50.052 | 48.180 |
| 19)                         | B Endosulfa...  | 7.191 | 6.495 | 184.3E6  | 234.7E6 | 50.209 | 47.208 |
| 20)                         | A Methoxychlor  | 7.533 | 6.769 | 75011829 | 111.9E6 | 44.490 | 41.355 |
| 21)                         | B Endrin ke...  | 7.672 | 7.001 | 194.8E6  | 286.8E6 | 52.000 | 48.797 |
| 22)                         | Mirex           | 8.154 | 7.196 | 150.0E6  | 198.9E6 | 49.263 | 46.135 |

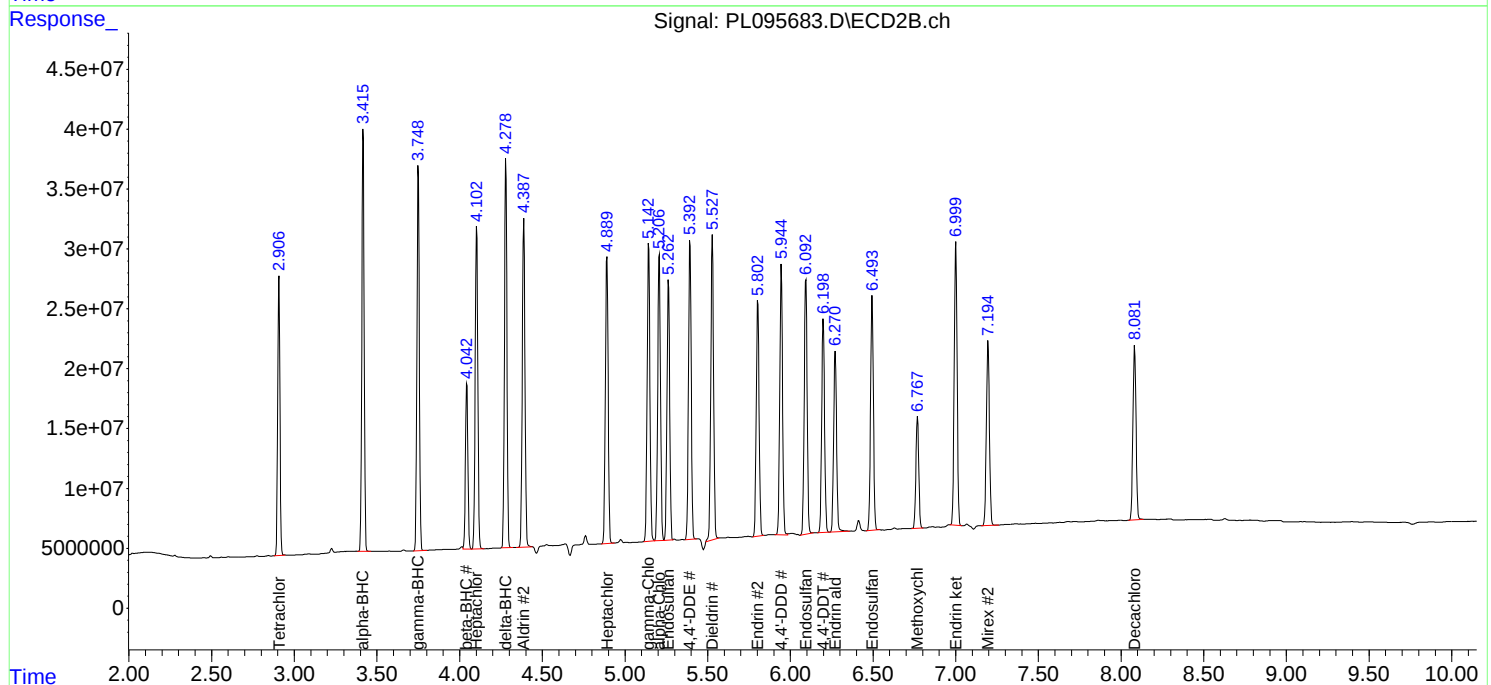
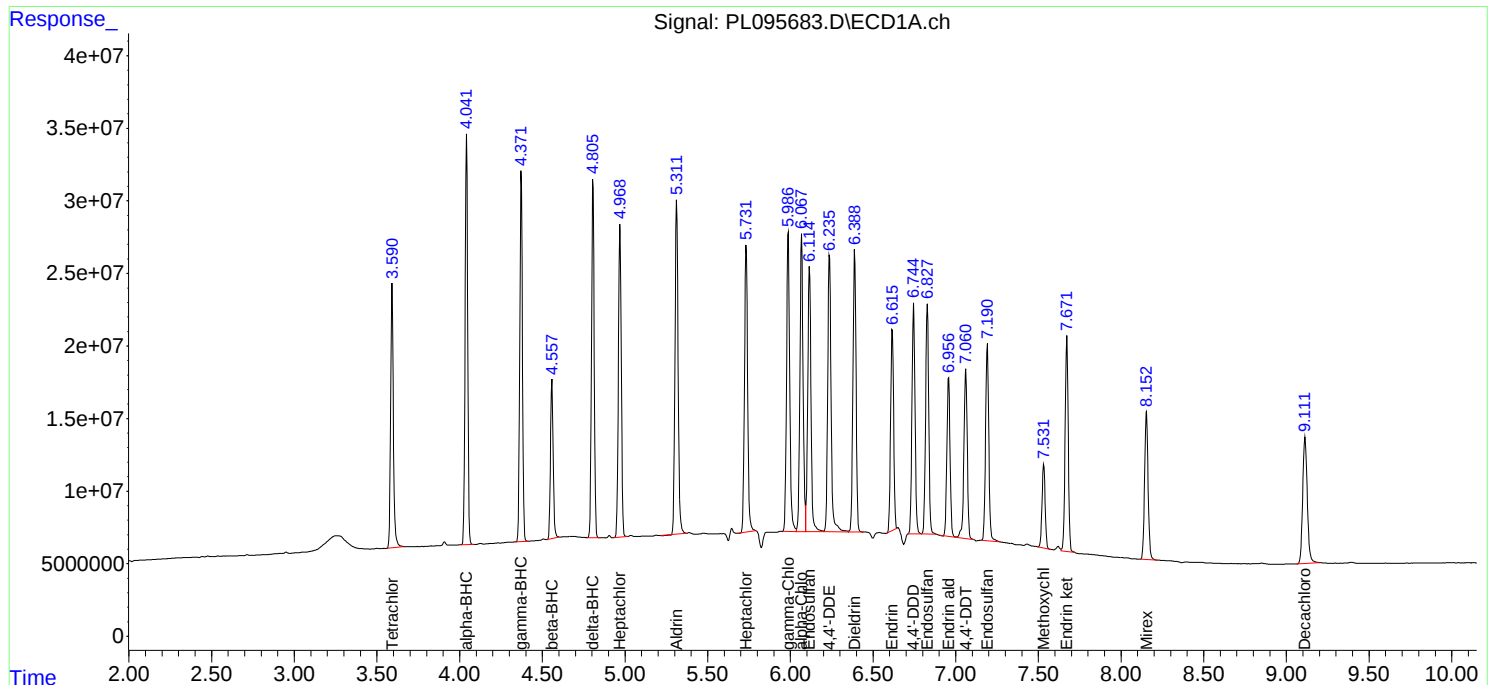
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095683.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 20:49  
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: May 15 02:17:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/16/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 10:39 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.12       | 9.12      | 9.02      | 9.22 | 0.01       |
| Tetrachloro-m-xylene | 3.59       | 3.59      | 3.49      | 3.69 | 0.00       |
| alpha-BHC            | 4.04       | 4.04      | 3.94      | 4.14 | 0.00       |
| beta-BHC             | 4.56       | 4.56      | 4.46      | 4.66 | 0.00       |
| delta-BHC            | 4.81       | 4.81      | 4.71      | 4.91 | 0.00       |
| gamma-BHC (Lindane)  | 4.37       | 4.38      | 4.28      | 4.48 | 0.01       |
| Heptachlor           | 4.97       | 4.97      | 4.87      | 5.07 | 0.00       |
| Aldrin               | 5.31       | 5.31      | 5.21      | 5.41 | 0.00       |
| Heptachlor epoxide   | 5.73       | 5.74      | 5.64      | 5.84 | 0.01       |
| Endosulfan I         | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| Dieldrin             | 6.39       | 6.39      | 6.29      | 6.49 | 0.00       |
| 4,4'-DDE             | 6.24       | 6.24      | 6.14      | 6.34 | 0.00       |
| Endrin               | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endosulfan II        | 6.83       | 6.83      | 6.73      | 6.93 | 0.00       |
| 4,4'-DDD             | 6.75       | 6.75      | 6.65      | 6.85 | 0.00       |
| Endosulfan sulfate   | 7.19       | 7.19      | 7.09      | 7.29 | 0.00       |
| 4,4'-DDT             | 7.06       | 7.06      | 6.96      | 7.16 | 0.00       |
| Methoxychlor         | 7.53       | 7.53      | 7.43      | 7.63 | 0.00       |
| Endrin ketone        | 7.67       | 7.67      | 7.57      | 7.77 | 0.00       |
| Endrin aldehyde      | 6.96       | 6.96      | 6.86      | 7.06 | 0.00       |
| alpha-Chlordane      | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| gamma-Chlordane      | 5.99       | 5.99      | 5.89      | 6.09 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/16/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 10:39 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.09       | 8.09      | 7.99      | 8.19 | 0.00       |
| Tetrachloro-m-xylene | 2.91       | 2.91      | 2.81      | 3.01 | 0.00       |
| alpha-BHC            | 3.42       | 3.42      | 3.32      | 3.52 | 0.00       |
| beta-BHC             | 4.05       | 4.05      | 3.95      | 4.15 | 0.00       |
| delta-BHC            | 4.28       | 4.28      | 4.18      | 4.38 | 0.00       |
| gamma-BHC (Lindane)  | 3.75       | 3.75      | 3.65      | 3.85 | 0.00       |
| Heptachlor           | 4.11       | 4.11      | 4.01      | 4.21 | 0.00       |
| Aldrin               | 4.39       | 4.39      | 4.29      | 4.49 | 0.00       |
| Heptachlor epoxide   | 4.89       | 4.90      | 4.80      | 5.00 | 0.01       |
| Endosulfan I         | 5.27       | 5.27      | 5.17      | 5.37 | 0.01       |
| Dieldrin             | 5.53       | 5.53      | 5.43      | 5.63 | 0.00       |
| 4,4'-DDE             | 5.39       | 5.40      | 5.30      | 5.50 | 0.01       |
| Endrin               | 5.81       | 5.81      | 5.71      | 5.91 | 0.00       |
| Endosulfan II        | 6.10       | 6.10      | 6.00      | 6.20 | 0.00       |
| 4,4'-DDD             | 5.95       | 5.95      | 5.85      | 6.05 | 0.00       |
| Endosulfan sulfate   | 6.50       | 6.50      | 6.40      | 6.60 | 0.00       |
| 4,4'-DDT             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Methoxychlor         | 6.77       | 6.77      | 6.67      | 6.87 | 0.00       |
| Endrin ketone        | 7.00       | 7.01      | 6.91      | 7.11 | 0.01       |
| Endrin aldehyde      | 6.27       | 6.28      | 6.18      | 6.38 | 0.01       |
| alpha-Chlordane      | 5.21       | 5.21      | 5.11      | 5.31 | 0.00       |
| gamma-Chlordane      | 5.15       | 5.15      | 5.05      | 5.25 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL03 Date Analyzed: 05/16/2025

Lab Sample No.: PSTDCCC050 Data File : PL095715.D Time Analyzed: 10:39

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.747 | 6.648     | 6.848 | 51.360             | 50.000            | 2.7  |
| 4,4'-DDE             | 6.237 | 6.139     | 6.339 | 52.530             | 50.000            | 5.1  |
| 4,4'-DDT             | 7.062 | 6.964     | 7.164 | 55.510             | 50.000            | 11.0 |
| Aldrin               | 5.313 | 5.214     | 5.414 | 52.440             | 50.000            | 4.9  |
| alpha-BHC            | 4.043 | 3.944     | 4.144 | 52.010             | 50.000            | 4.0  |
| alpha-Chlordane      | 6.069 | 5.971     | 6.171 | 53.040             | 50.000            | 6.1  |
| beta-BHC             | 4.559 | 4.460     | 4.660 | 52.170             | 50.000            | 4.3  |
| Decachlorobiphenyl   | 9.115 | 9.015     | 9.215 | 53.580             | 50.000            | 7.2  |
| delta-BHC            | 4.807 | 4.709     | 4.909 | 52.040             | 50.000            | 4.1  |
| Dieldrin             | 6.390 | 6.291     | 6.491 | 51.780             | 50.000            | 3.6  |
| Endosulfan I         | 6.117 | 6.019     | 6.219 | 51.930             | 50.000            | 3.9  |
| Endosulfan II        | 6.830 | 6.731     | 6.931 | 51.430             | 50.000            | 2.9  |
| Endosulfan sulfate   | 7.192 | 7.093     | 7.293 | 52.320             | 50.000            | 4.6  |
| Endrin               | 6.618 | 6.519     | 6.719 | 54.680             | 50.000            | 9.4  |
| Endrin aldehyde      | 6.958 | 6.860     | 7.060 | 50.860             | 50.000            | 1.7  |
| Endrin ketone        | 7.673 | 7.574     | 7.774 | 51.470             | 50.000            | 2.9  |
| gamma-BHC (Lindane)  | 4.374 | 4.275     | 4.475 | 52.200             | 50.000            | 4.4  |
| gamma-Chlordane      | 5.988 | 5.890     | 6.090 | 52.150             | 50.000            | 4.3  |
| Heptachlor           | 4.971 | 4.872     | 5.072 | 51.580             | 50.000            | 3.2  |
| Heptachlor epoxide   | 5.732 | 5.635     | 5.835 | 52.120             | 50.000            | 4.2  |
| Methoxychlor         | 7.534 | 7.434     | 7.634 | 54.980             | 50.000            | 10.0 |
| Tetrachloro-m-xylene | 3.592 | 3.493     | 3.693 | 51.410             | 50.000            | 2.8  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL03 Date Analyzed: 05/16/2025

Lab Sample No.: PSTDCCC050 Data File : PL095715.D Time Analyzed: 10:39

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.948 | 5.849     | 6.049 | 51.080             | 50.000            | 2.2  |
| 4,4'-DDE             | 5.394 | 5.298     | 5.498 | 51.050             | 50.000            | 2.1  |
| 4,4'-DDT             | 6.202 | 6.103     | 6.303 | 53.650             | 50.000            | 7.3  |
| Aldrin               | 4.390 | 4.292     | 4.492 | 49.770             | 50.000            | -0.5 |
| alpha-BHC            | 3.418 | 3.320     | 3.520 | 50.020             | 50.000            | 0.0  |
| alpha-Chlordane      | 5.209 | 5.112     | 5.312 | 49.970             | 50.000            | -0.1 |
| beta-BHC             | 4.045 | 3.947     | 4.147 | 48.720             | 50.000            | -2.6 |
| Decachlorobiphenyl   | 8.085 | 7.987     | 8.187 | 49.390             | 50.000            | -1.2 |
| delta-BHC            | 4.282 | 4.183     | 4.383 | 50.450             | 50.000            | 0.9  |
| Dieldrin             | 5.531 | 5.433     | 5.633 | 52.050             | 50.000            | 4.1  |
| Endosulfan I         | 5.265 | 5.168     | 5.368 | 49.140             | 50.000            | -1.7 |
| Endosulfan II        | 6.096 | 5.998     | 6.198 | 49.830             | 50.000            | -0.3 |
| Endosulfan sulfate   | 6.497 | 6.399     | 6.599 | 49.710             | 50.000            | -0.6 |
| Endrin               | 5.806 | 5.708     | 5.908 | 53.610             | 50.000            | 7.2  |
| Endrin aldehyde      | 6.274 | 6.176     | 6.376 | 50.760             | 50.000            | 1.5  |
| Endrin ketone        | 7.004 | 6.905     | 7.105 | 48.780             | 50.000            | -2.4 |
| gamma-BHC (Lindane)  | 3.752 | 3.653     | 3.853 | 50.030             | 50.000            | 0.1  |
| gamma-Chlordane      | 5.145 | 5.048     | 5.248 | 50.790             | 50.000            | 1.6  |
| Heptachlor           | 4.105 | 4.007     | 4.207 | 49.890             | 50.000            | -0.2 |
| Heptachlor epoxide   | 4.892 | 4.795     | 4.995 | 49.850             | 50.000            | -0.3 |
| Methoxychlor         | 6.771 | 6.673     | 6.873 | 52.580             | 50.000            | 5.2  |
| Tetrachloro-m-xylene | 2.909 | 2.810     | 3.010 | 48.500             | 50.000            | -3.0 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
 Data File : PL095715.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 10:39  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:55:11 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|---------|---------|---------|
| -----                       |                 |       |       |          |         |         |         |
| System Monitoring Compounds |                 |       |       |          |         |         |         |
| 1)                          | SA Tetrachlo... | 3.592 | 2.909 | 210.1E6  | 227.2E6 | 51.413  | 48.498  |
| 28)                         | SA Decachlor... | 9.115 | 8.085 | 181.8E6  | 203.7E6 | 53.575  | 49.390  |
| Target Compounds            |                 |       |       |          |         |         |         |
| 2)                          | A alpha-BHC     | 4.043 | 3.418 | 304.3E6  | 357.7E6 | 52.013  | 50.021  |
| 3)                          | MA gamma-BHC... | 4.374 | 3.752 | 290.6E6  | 337.8E6 | 52.204  | 50.030  |
| 4)                          | MA Heptachlor   | 4.971 | 4.105 | 280.9E6  | 325.5E6 | 51.577  | 49.894  |
| 5)                          | MB Aldrin       | 5.313 | 4.390 | 301.2E6  | 317.4E6 | 52.438  | 49.768  |
| 6)                          | B beta-BHC      | 4.559 | 4.045 | 127.8E6  | 147.0E6 | 52.170  | 48.718  |
| 7)                          | B delta-BHC     | 4.807 | 4.282 | 282.7E6  | 343.4E6 | 52.045  | 50.452  |
| 8)                          | B Heptachlo...  | 5.732 | 4.892 | 270.1E6  | 288.1E6 | 52.125m | 49.848  |
| 9)                          | A Endosulfan I  | 6.117 | 5.265 | 254.2E6  | 254.1E6 | 51.930  | 49.138  |
| 10)                         | B gamma-Chl...  | 5.988 | 5.145 | 279.3E6  | 302.5E6 | 52.153  | 50.794  |
| 11)                         | B alpha-Chl...  | 6.069 | 5.209 | 275.7E6  | 294.9E6 | 53.041  | 49.972  |
| 12)                         | B 4,4'-DDE      | 6.237 | 5.394 | 268.9E6  | 304.7E6 | 52.530m | 51.051m |
| 13)                         | MA Dieldrin     | 6.390 | 5.531 | 255.2E6  | 320.2E6 | 51.778  | 52.047  |
| 14)                         | MA Endrin       | 6.618 | 5.806 | 209.4E6  | 285.6E6 | 54.678  | 53.607  |
| 15)                         | B Endosulfa...  | 6.830 | 6.096 | 214.3E6  | 272.9E6 | 51.425  | 49.832  |
| 16)                         | A 4,4'-DDD      | 6.747 | 5.948 | 199.6E6  | 262.7E6 | 51.360  | 51.085  |
| 17)                         | MA 4,4'-DDT     | 7.062 | 6.202 | 199.7E6  | 269.3E6 | 55.510  | 53.650  |
| 18)                         | B Endrin al...  | 6.958 | 6.274 | 149.3E6  | 194.4E6 | 50.859  | 50.764  |
| 19)                         | B Endosulfa...  | 7.192 | 6.497 | 192.0E6  | 247.2E6 | 52.318  | 49.714  |
| 20)                         | A Methoxychlor  | 7.534 | 6.771 | 92705580 | 142.3E6 | 54.984  | 52.579  |
| 21)                         | B Endrin ke...  | 7.673 | 7.004 | 192.8E6  | 286.6E6 | 51.465  | 48.776  |
| 22)                         | Mirex           | 8.156 | 7.199 | 153.6E6  | 209.6E6 | 50.449  | 48.616  |
| -----                       |                 |       |       |          |         |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095715.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 10:39  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

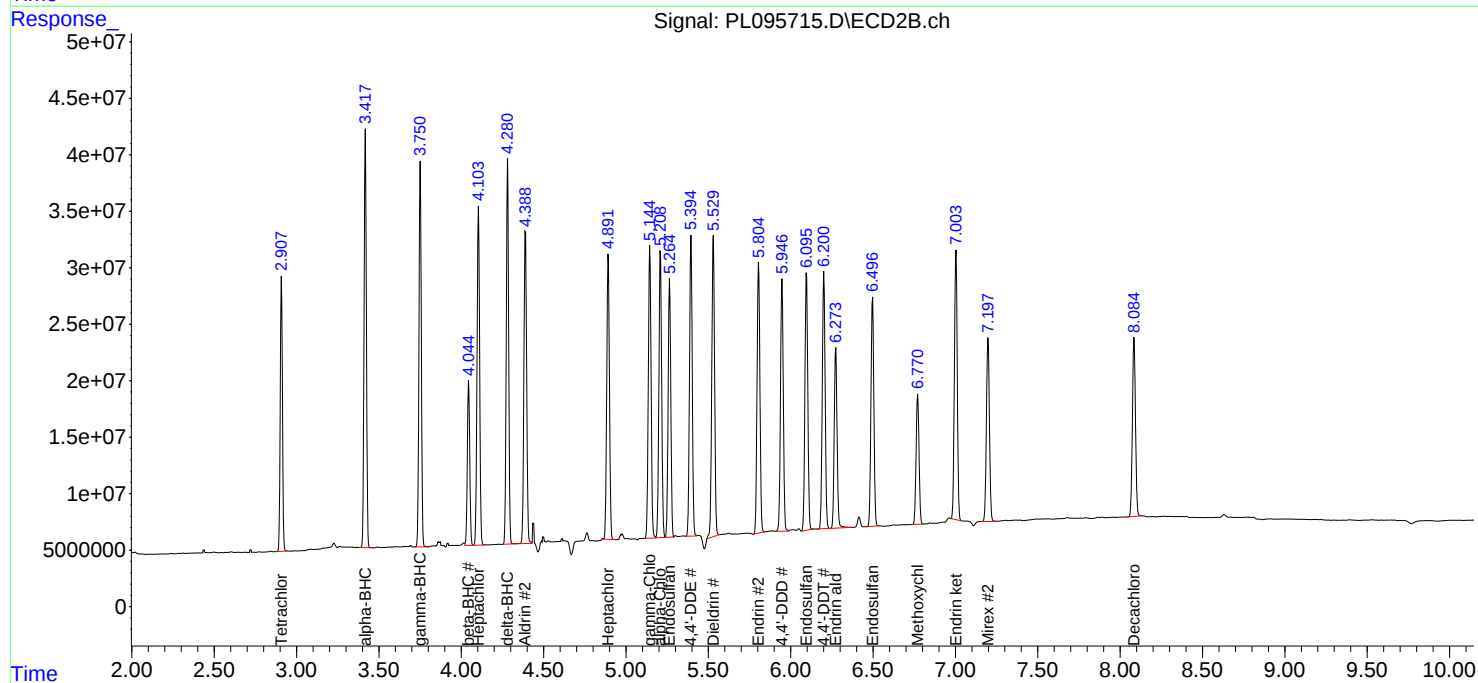
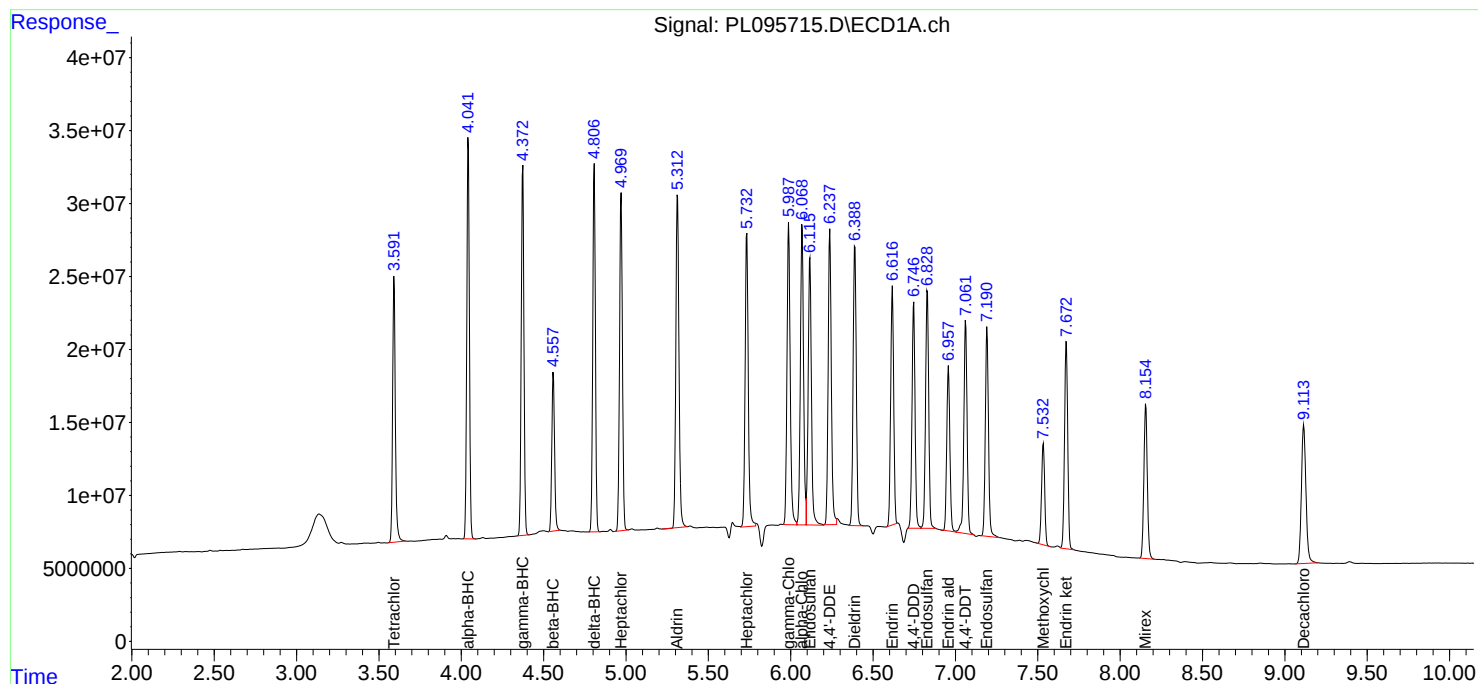
## APPROVED

Reviewed By :Abdul Mirza 05/19/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:55:11 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/16/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 15:55 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.12       | 9.12      | 9.02      | 9.22 | 0.01       |
| Tetrachloro-m-xylene | 3.59       | 3.59      | 3.49      | 3.69 | 0.00       |
| alpha-BHC            | 4.04       | 4.04      | 3.94      | 4.14 | 0.00       |
| beta-BHC             | 4.56       | 4.56      | 4.46      | 4.66 | 0.00       |
| delta-BHC            | 4.81       | 4.81      | 4.71      | 4.91 | 0.00       |
| gamma-BHC (Lindane)  | 4.37       | 4.38      | 4.28      | 4.48 | 0.01       |
| Heptachlor           | 4.97       | 4.97      | 4.87      | 5.07 | 0.00       |
| Aldrin               | 5.31       | 5.31      | 5.21      | 5.41 | 0.00       |
| Heptachlor epoxide   | 5.73       | 5.74      | 5.64      | 5.84 | 0.01       |
| Endosulfan I         | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| Dieldrin             | 6.39       | 6.39      | 6.29      | 6.49 | 0.00       |
| 4,4'-DDE             | 6.24       | 6.24      | 6.14      | 6.34 | 0.00       |
| Endrin               | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endosulfan II        | 6.83       | 6.83      | 6.73      | 6.93 | 0.00       |
| 4,4'-DDD             | 6.75       | 6.75      | 6.65      | 6.85 | 0.00       |
| Endosulfan sulfate   | 7.19       | 7.19      | 7.09      | 7.29 | 0.00       |
| 4,4'-DDT             | 7.06       | 7.06      | 6.96      | 7.16 | 0.00       |
| Methoxychlor         | 7.53       | 7.53      | 7.43      | 7.63 | 0.00       |
| Endrin ketone        | 7.67       | 7.67      | 7.57      | 7.77 | 0.00       |
| Endrin aldehyde      | 6.96       | 6.96      | 6.86      | 7.06 | 0.00       |
| alpha-Chlordane      | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| gamma-Chlordane      | 5.99       | 5.99      | 5.89      | 6.09 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/16/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 15:55 Initial Calibration Time(s): 12:24 13:18

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

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.09       | 8.09      | 7.99      | 8.19 | 0.00       |
| Tetrachloro-m-xylene | 2.91       | 2.91      | 2.81      | 3.01 | 0.00       |
| alpha-BHC            | 3.42       | 3.42      | 3.32      | 3.52 | 0.00       |
| beta-BHC             | 4.04       | 4.05      | 3.95      | 4.15 | 0.01       |
| delta-BHC            | 4.28       | 4.28      | 4.18      | 4.38 | 0.00       |
| gamma-BHC (Lindane)  | 3.75       | 3.75      | 3.65      | 3.85 | 0.00       |
| Heptachlor           | 4.10       | 4.11      | 4.01      | 4.21 | 0.01       |
| Aldrin               | 4.39       | 4.39      | 4.29      | 4.49 | 0.00       |
| Heptachlor epoxide   | 4.89       | 4.90      | 4.80      | 5.00 | 0.01       |
| Endosulfan I         | 5.26       | 5.27      | 5.17      | 5.37 | 0.01       |
| Dieldrin             | 5.53       | 5.53      | 5.43      | 5.63 | 0.00       |
| 4,4'-DDE             | 5.39       | 5.40      | 5.30      | 5.50 | 0.01       |
| Endrin               | 5.81       | 5.81      | 5.71      | 5.91 | 0.01       |
| Endosulfan II        | 6.10       | 6.10      | 6.00      | 6.20 | 0.01       |
| 4,4'-DDD             | 5.95       | 5.95      | 5.85      | 6.05 | 0.00       |
| Endosulfan sulfate   | 6.50       | 6.50      | 6.40      | 6.60 | 0.00       |
| 4,4'-DDT             | 6.20       | 6.20      | 6.10      | 6.30 | 0.00       |
| Methoxychlor         | 6.77       | 6.77      | 6.67      | 6.87 | 0.00       |
| Endrin ketone        | 7.00       | 7.01      | 6.91      | 7.11 | 0.01       |
| Endrin aldehyde      | 6.27       | 6.28      | 6.18      | 6.38 | 0.01       |
| alpha-Chlordane      | 5.21       | 5.21      | 5.11      | 5.31 | 0.00       |
| gamma-Chlordane      | 5.14       | 5.15      | 5.05      | 5.25 | 0.01       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL04 Date Analyzed: 05/16/2025

Lab Sample No.: PSTDCCC050 Data File : PL095730.D Time Analyzed: 15:55

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|----------------------|-------|-----------|-------|--------------------|-------------------|-----|
|                      |       | FROM      | TO    |                    |                   |     |
| 4,4'-DDD             | 6.746 | 6.648     | 6.848 | 51.240             | 50.000            | 2.5 |
| 4,4'-DDE             | 6.236 | 6.139     | 6.339 | 52.790             | 50.000            | 5.6 |
| 4,4'-DDT             | 7.061 | 6.964     | 7.164 | 54.780             | 50.000            | 9.6 |
| Aldrin               | 5.312 | 5.214     | 5.414 | 52.310             | 50.000            | 4.6 |
| alpha-BHC            | 4.042 | 3.944     | 4.144 | 52.100             | 50.000            | 4.2 |
| alpha-Chlordane      | 6.069 | 5.971     | 6.171 | 53.430             | 50.000            | 6.9 |
| beta-BHC             | 4.558 | 4.460     | 4.660 | 52.410             | 50.000            | 4.8 |
| Decachlorobiphenyl   | 9.115 | 9.015     | 9.215 | 53.160             | 50.000            | 6.3 |
| delta-BHC            | 4.807 | 4.709     | 4.909 | 52.300             | 50.000            | 4.6 |
| Dieldrin             | 6.389 | 6.291     | 6.491 | 52.330             | 50.000            | 4.7 |
| Endosulfan I         | 6.116 | 6.019     | 6.219 | 52.570             | 50.000            | 5.1 |
| Endosulfan II        | 6.829 | 6.731     | 6.931 | 51.230             | 50.000            | 2.5 |
| Endosulfan sulfate   | 7.191 | 7.093     | 7.293 | 52.290             | 50.000            | 4.6 |
| Endrin               | 6.617 | 6.519     | 6.719 | 54.380             | 50.000            | 8.8 |
| Endrin aldehyde      | 6.958 | 6.860     | 7.060 | 51.050             | 50.000            | 2.1 |
| Endrin ketone        | 7.673 | 7.574     | 7.774 | 51.220             | 50.000            | 2.4 |
| gamma-BHC (Lindane)  | 4.372 | 4.275     | 4.475 | 52.470             | 50.000            | 4.9 |
| gamma-Chlordane      | 5.988 | 5.890     | 6.090 | 52.460             | 50.000            | 4.9 |
| Heptachlor           | 4.970 | 4.872     | 5.072 | 51.340             | 50.000            | 2.7 |
| Heptachlor epoxide   | 5.732 | 5.635     | 5.835 | 51.030             | 50.000            | 2.1 |
| Methoxychlor         | 7.533 | 7.434     | 7.634 | 54.180             | 50.000            | 8.4 |
| Tetrachloro-m-xylene | 3.591 | 3.493     | 3.693 | 51.320             | 50.000            | 2.6 |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL04 Date Analyzed: 05/16/2025

Lab Sample No.: PSTDCCC050 Data File : PL095730.D Time Analyzed: 15:55

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.947 | 5.849     | 6.049 | 52.070             | 50.000            | 4.1  |
| 4,4'-DDE             | 5.393 | 5.298     | 5.498 | 51.350             | 50.000            | 2.7  |
| 4,4'-DDT             | 6.201 | 6.103     | 6.303 | 53.770             | 50.000            | 7.5  |
| Aldrin               | 4.389 | 4.292     | 4.492 | 49.970             | 50.000            | -0.1 |
| alpha-BHC            | 3.417 | 3.320     | 3.520 | 50.260             | 50.000            | 0.5  |
| alpha-Chlordane      | 5.209 | 5.112     | 5.312 | 50.630             | 50.000            | 1.3  |
| beta-BHC             | 4.044 | 3.947     | 4.147 | 49.460             | 50.000            | -1.1 |
| Decachlorobiphenyl   | 8.085 | 7.987     | 8.187 | 49.700             | 50.000            | -0.6 |
| delta-BHC            | 4.281 | 4.183     | 4.383 | 51.030             | 50.000            | 2.1  |
| Dieldrin             | 5.530 | 5.433     | 5.633 | 52.390             | 50.000            | 4.8  |
| Endosulfan I         | 5.264 | 5.168     | 5.368 | 49.650             | 50.000            | -0.7 |
| Endosulfan II        | 6.095 | 5.998     | 6.198 | 50.640             | 50.000            | 1.3  |
| Endosulfan sulfate   | 6.497 | 6.399     | 6.599 | 50.510             | 50.000            | 1.0  |
| Endrin               | 5.805 | 5.708     | 5.908 | 54.200             | 50.000            | 8.4  |
| Endrin aldehyde      | 6.273 | 6.176     | 6.376 | 51.960             | 50.000            | 3.9  |
| Endrin ketone        | 7.003 | 6.905     | 7.105 | 49.710             | 50.000            | -0.6 |
| gamma-BHC (Lindane)  | 3.751 | 3.653     | 3.853 | 50.330             | 50.000            | 0.7  |
| gamma-Chlordane      | 5.144 | 5.048     | 5.248 | 51.370             | 50.000            | 2.7  |
| Heptachlor           | 4.104 | 4.007     | 4.207 | 49.810             | 50.000            | -0.4 |
| Heptachlor epoxide   | 4.891 | 4.795     | 4.995 | 50.740             | 50.000            | 1.5  |
| Methoxychlor         | 6.771 | 6.673     | 6.873 | 52.690             | 50.000            | 5.4  |
| Tetrachloro-m-xylene | 2.908 | 2.810     | 3.010 | 49.040             | 50.000            | -1.9 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
 Data File : PL095730.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 15:55  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:57:37 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|---------|---------|---------|
| -----                       |                 |       |       |          |         |         |         |
| System Monitoring Compounds |                 |       |       |          |         |         |         |
| 1)                          | SA Tetrachlo... | 3.591 | 2.908 | 209.7E6  | 229.7E6 | 51.323  | 49.038  |
| 28)                         | SA Decachlor... | 9.115 | 8.085 | 180.3E6  | 205.0E6 | 53.159  | 49.703  |
| Target Compounds            |                 |       |       |          |         |         |         |
| 2)                          | A alpha-BHC     | 4.042 | 3.417 | 304.9E6  | 359.4E6 | 52.103  | 50.260  |
| 3)                          | MA gamma-BHC... | 4.372 | 3.751 | 292.1E6  | 339.8E6 | 52.472  | 50.326  |
| 4)                          | MA Heptachlor   | 4.970 | 4.104 | 279.6E6  | 324.9E6 | 51.343  | 49.808  |
| 5)                          | MB Aldrin       | 5.312 | 4.389 | 300.5E6  | 318.7E6 | 52.313  | 49.971  |
| 6)                          | B beta-BHC      | 4.558 | 4.044 | 128.3E6  | 149.2E6 | 52.405  | 49.462  |
| 7)                          | B delta-BHC     | 4.807 | 4.281 | 284.1E6  | 347.4E6 | 52.296  | 51.032  |
| 8)                          | B Heptachlo...  | 5.732 | 4.891 | 264.4E6  | 293.2E6 | 51.027m | 50.736  |
| 9)                          | A Endosulfan I  | 6.116 | 5.264 | 257.4E6  | 256.8E6 | 52.571  | 49.650  |
| 10)                         | B gamma-Chl...  | 5.988 | 5.144 | 280.9E6  | 306.0E6 | 52.460  | 51.372  |
| 11)                         | B alpha-Chl...  | 6.069 | 5.209 | 277.7E6  | 298.8E6 | 53.435  | 50.630  |
| 12)                         | B 4,4'-DDE      | 6.236 | 5.393 | 270.2E6  | 306.5E6 | 52.790m | 51.354m |
| 13)                         | MA Dieldrin     | 6.389 | 5.530 | 257.9E6  | 322.3E6 | 52.333  | 52.390  |
| 14)                         | MA Endrin       | 6.617 | 5.805 | 208.3E6  | 288.8E6 | 54.379  | 54.199  |
| 15)                         | B Endosulfa...  | 6.829 | 6.095 | 213.5E6  | 277.3E6 | 51.234  | 50.641  |
| 16)                         | A 4,4'-DDD      | 6.746 | 5.947 | 199.1E6  | 267.8E6 | 51.238  | 52.068  |
| 17)                         | MA 4,4'-DDT     | 7.061 | 6.201 | 197.1E6  | 269.8E6 | 54.777  | 53.766  |
| 18)                         | B Endrin al...  | 6.958 | 6.273 | 149.9E6  | 198.9E6 | 51.054  | 51.957  |
| 19)                         | B Endosulfa...  | 7.191 | 6.497 | 191.9E6  | 251.1E6 | 52.293  | 50.514  |
| 20)                         | A Methoxychlor  | 7.533 | 6.771 | 91347307 | 142.6E6 | 54.179  | 52.692  |
| 21)                         | B Endrin ke...  | 7.673 | 7.003 | 191.9E6  | 292.1E6 | 51.217  | 49.714  |
| 22)                         | Mirex           | 8.155 | 7.198 | 153.2E6  | 213.8E6 | 50.330  | 49.577  |
| -----                       |                 |       |       |          |         |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095730.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 15:55  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

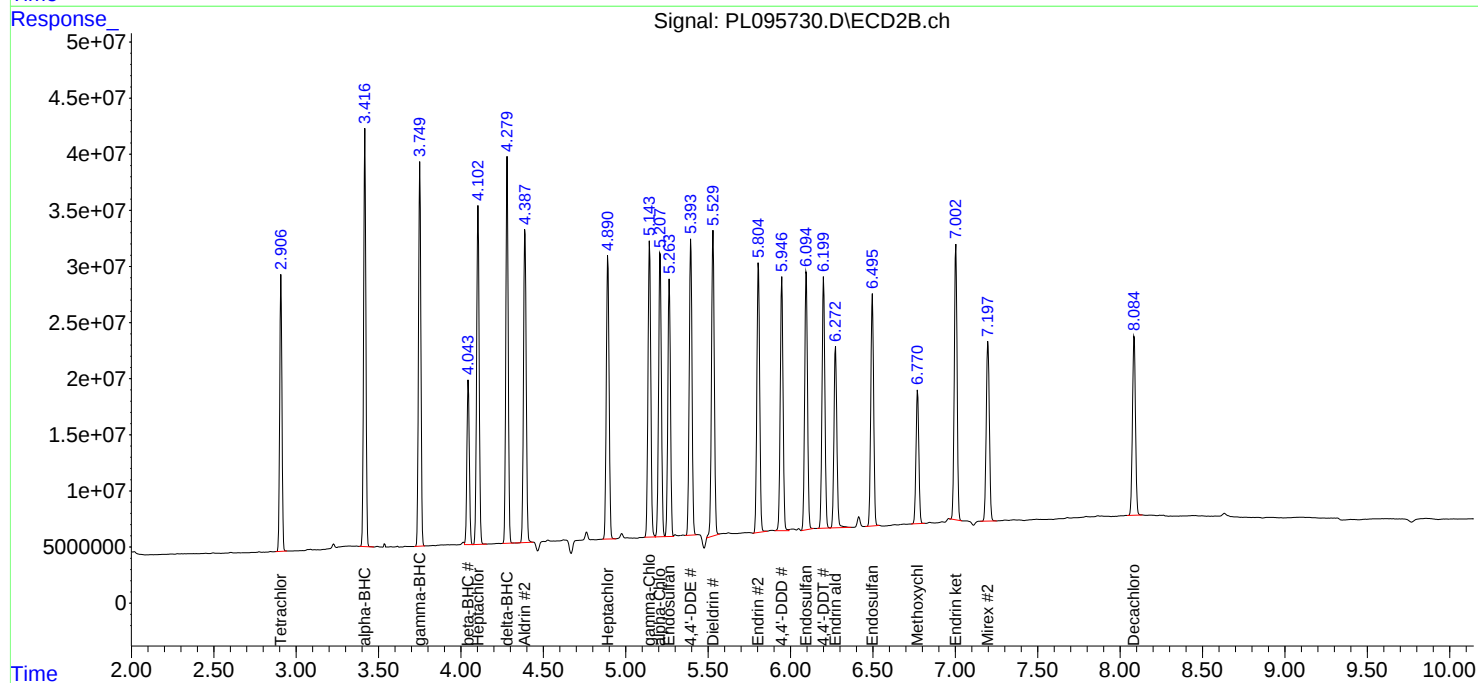
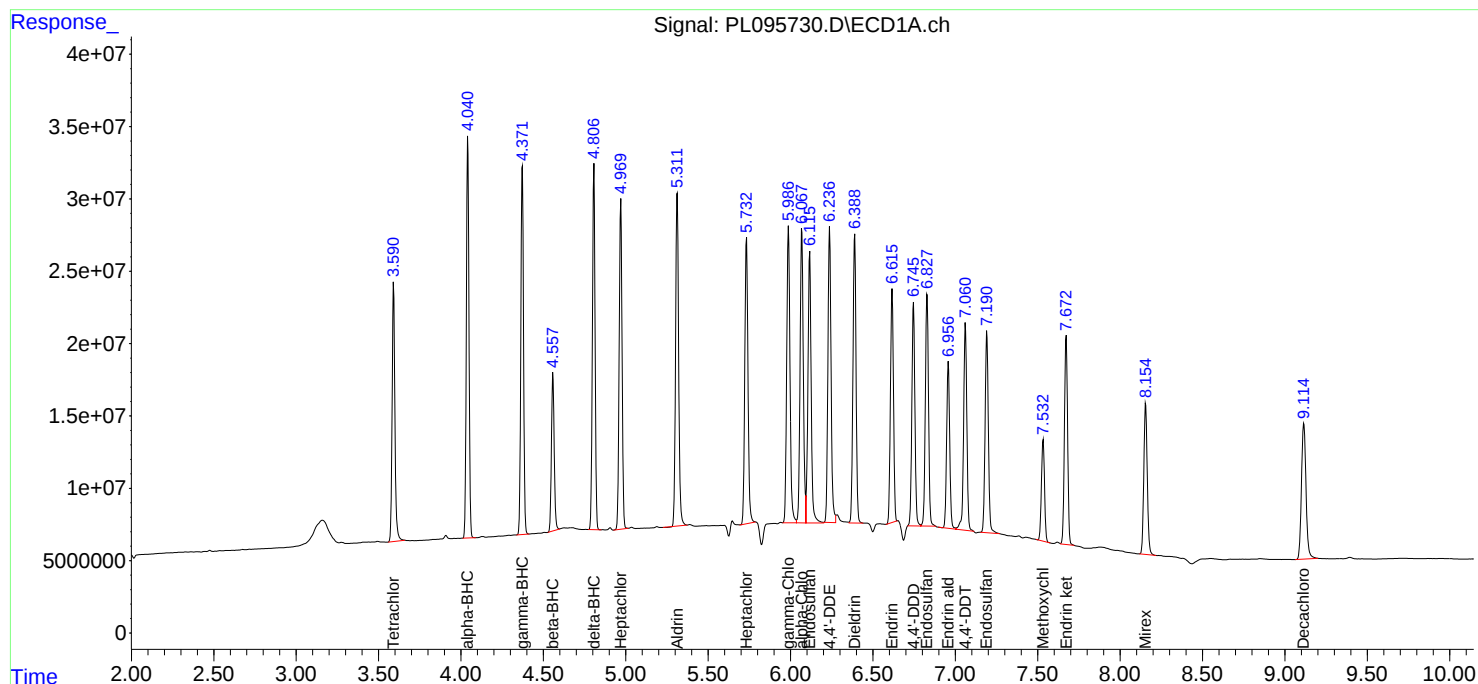
## APPROVED

Reviewed By :Abdul Mirza 05/19/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:57:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095631.D Date Analyzed: 05/13/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:57

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.117 | 9.020     | 9.220 | 19.270     | 20.000     | -3.7  |
| Tetrachloro-m-xylene | 3.594 | 3.540     | 3.640 | 16.870     | 20.000     | -15.7 |
| alpha-BHC            | 4.045 | 3.990     | 4.100 | 8.140      | 10.000     | -18.6 |
| beta-BHC             | 4.561 | 4.510     | 4.610 | 8.500      | 10.000     | -15.0 |
| gamma-BHC (Lindane)  | 4.375 | 4.320     | 4.430 | 8.330      | 10.000     | -16.7 |
| Endrin               | 6.620 | 6.550     | 6.690 | 44.190     | 50.000     | -11.6 |
| 4,4'-DDT             | 7.065 | 6.990     | 7.140 | 87.910     | 100.000    | -12.1 |
| Methoxychlor         | 7.536 | 7.470     | 7.610 | 209.800    | 250.000    | -16.1 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095631.D Date Analyzed: 05/13/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:57

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 8.089 | 7.990     | 8.190 | 19.320     | 20.000     | -3.4  |
| Tetrachloro-m-xylene | 2.912 | 2.860     | 2.960 | 17.150     | 20.000     | -14.3 |
| alpha-BHC            | 3.422 | 3.370     | 3.470 | 8.550      | 10.000     | -14.5 |
| beta-BHC             | 4.048 | 4.000     | 4.100 | 9.000      | 10.000     | -10.0 |
| gamma-BHC (Lindane)  | 3.755 | 3.700     | 3.810 | 8.650      | 10.000     | -13.5 |
| Endrin               | 5.809 | 5.740     | 5.880 | 42.850     | 50.000     | -14.3 |
| 4,4'-DDT             | 6.205 | 6.130     | 6.280 | 85.300     | 100.000    | -14.7 |
| Methoxychlor         | 6.775 | 6.700     | 6.850 | 184.890    | 250.000    | -26.0 |

PEM  
 Data File: PL095631.D Date Acquired 5/13/2025 11:57  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.62 | 169276707.1 | 175185553.8           | 5908846.68          | 3.37         |
| Endrin aldehyde | 6.96 | 1198249.787 |                       |                     |              |
| Endrin ketone   | 7.67 | 4710596.889 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.81 | 228278060.3 | 240319143.4           | 12041083.1          | 5.01         |
| Endrin aldehyde #2 | 6.28 | 3215903.047 |                       |                     |              |
| Endrin ketone #2   | 7.01 | 8825180.015 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.06 | 316299862.1 | 323569511.2               | 7269649.1             | 2.25         |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.75 | 7269649.103 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.21 | 428093860.5 | 438740614.5               | 10646754              | 2.43         |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.95 | 10646754.04 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095631.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 11:57  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/15/2025  
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 13 14:42:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.594 | 2.912 | 68936544 | 80326694 | 16.871  | 17.149  |
| 28) SA Decachlor...         | 9.117 | 8.089 | 65359703 | 79699571 | 19.266  | 19.322  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 4.045 | 3.422 | 47613044 | 61161769 | 8.137   | 8.552   |
| 3) MA gamma-BHC...          | 4.375 | 3.755 | 46359633 | 58397027 | 8.329   | 8.648   |
| 6) B beta-BHC               | 4.561 | 4.048 | 20818222 | 27156433 | 8.500   | 9.001   |
| 14) MA Endrin               | 6.620 | 5.809 | 169.3E6  | 228.3E6  | 44.191  | 42.848  |
| 16) A 4,4'-DDD              | 6.748 | 5.950 | 7269649  | 10646754 | 1.871m  | 2.070m  |
| 17) MA 4,4'-DDT             | 7.065 | 6.205 | 316.3E6  | 428.1E6  | 87.914  | 85.297  |
| 18) B Endrin al...          | 6.958 | 6.277 | 1198250  | 3215903  | 0.408m  | 0.840m# |
| 20) A Methoxychlor          | 7.536 | 6.775 | 353.7E6  | 500.3E6  | 209.798 | 184.889 |
| 21) B Endrin ke...          | 7.673 | 7.005 | 4710597  | 8825180  | 1.257m  | 1.502m  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095631.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 11:57  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

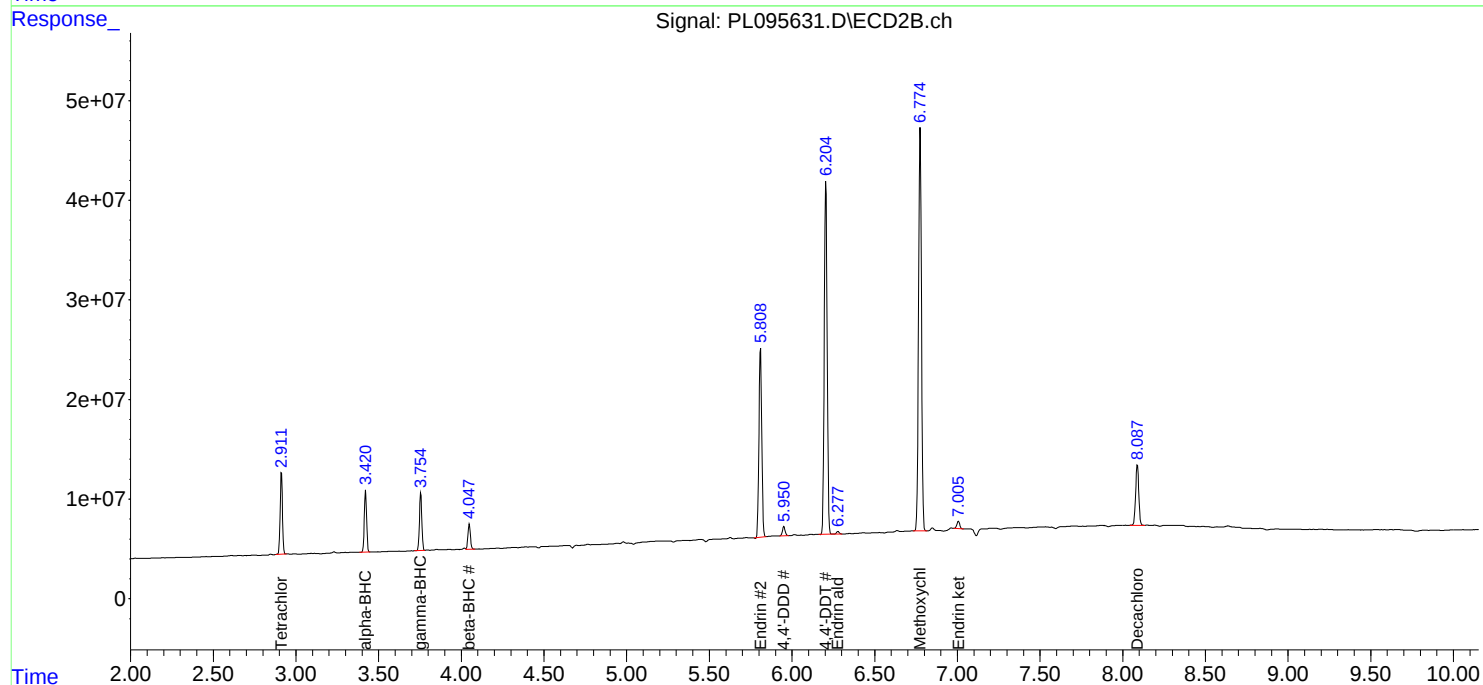
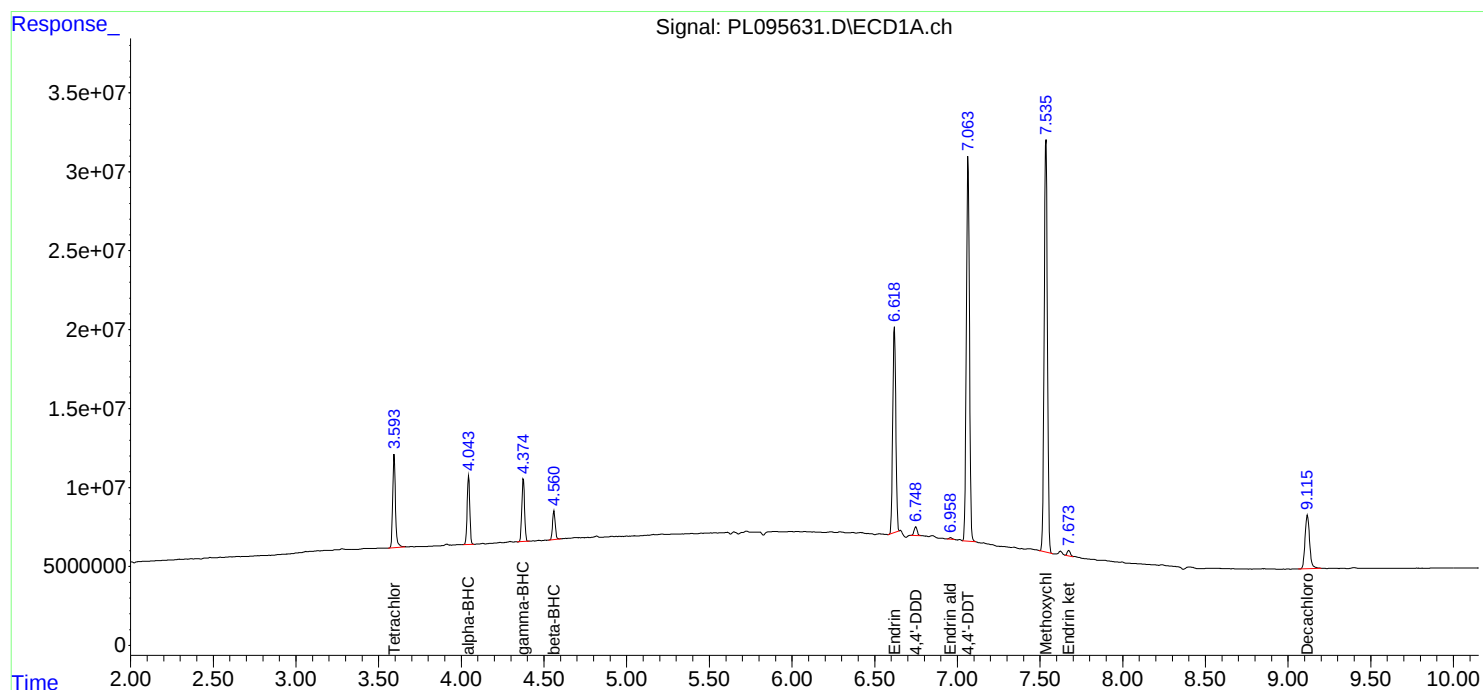
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 05/15/2025  
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 14:42:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095655.D Date Analyzed: 05/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:47

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 9.115 | 9.010     | 9.220 | 23.100     | 20.000     | 15.5 |
| Tetrachloro-m-xylene | 3.592 | 3.540     | 3.640 | 20.810     | 20.000     | 4.1  |
| alpha-BHC            | 4.043 | 3.990     | 4.090 | 10.350     | 10.000     | 3.5  |
| beta-BHC             | 4.559 | 4.510     | 4.610 | 10.580     | 10.000     | 5.8  |
| gamma-BHC (Lindane)  | 4.374 | 4.320     | 4.420 | 10.600     | 10.000     | 6.0  |
| Endrin               | 6.618 | 6.550     | 6.690 | 54.160     | 50.000     | 8.3  |
| 4,4'-DDT             | 7.063 | 6.990     | 7.130 | 107.970    | 100.000    | 8.0  |
| Methoxychlor         | 7.535 | 7.460     | 7.610 | 251.070    | 250.000    | 0.4  |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095655.D Date Analyzed: 05/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:47

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 8.087 | 7.990     | 8.190 | 22.430     | 20.000     | 12.2  |
| Tetrachloro-m-xylene | 2.910 | 2.860     | 2.960 | 20.660     | 20.000     | 3.3   |
| alpha-BHC            | 3.420 | 3.370     | 3.470 | 10.390     | 10.000     | 3.9   |
| beta-BHC             | 4.047 | 4.000     | 4.100 | 10.820     | 10.000     | 8.2   |
| gamma-BHC (Lindane)  | 3.753 | 3.700     | 3.800 | 10.550     | 10.000     | 5.5   |
| Endrin               | 5.808 | 5.740     | 5.880 | 50.460     | 50.000     | 0.9   |
| 4,4'-DDT             | 6.203 | 6.130     | 6.270 | 98.430     | 100.000    | -1.6  |
| Methoxychlor         | 6.773 | 6.700     | 6.840 | 209.500    | 250.000    | -16.2 |

Data File: PEM  
 PL095655.D Date Acquired 5/14/2025 11:47  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.62 | 207453466.2 | 220645661.1           | 13192194.9          | 5.98         |
| Endrin aldehyde | 6.96 | 3277610.627 |                       |                     |              |
| Endrin ketone   | 7.67 | 9914584.283 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.81 | 268841578.6 | 292119400.2           | 23277821.6          | 7.97         |
| Endrin aldehyde #2 | 6.28 | 5132928.968 |                       |                     |              |
| Endrin ketone #2   | 7.00 | 18144892.64 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.06 | 388440750.8 | 407546261.3               | 19105510.5            | 4.69         |
| 4,4'-DDE | 6.23 | 1330230.218 |                           |                       |              |
| 4,4'-DDD | 6.75 | 17775280.23 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.20 | 493986603.6 | 518234440.5               | 24247836.9            | 4.68         |
| 4,4'-DDE #2 | 5.40 | 721900.607  |                           |                       |              |
| 4,4'-DDD #2 | 5.95 | 23525936.29 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
 Data File : PL095655.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 11:47  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025  
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 15 02:07:59 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.592 | 2.910 | 85046225 | 96756241 | 20.814  | 20.656  |
| 28)                         | SA Decachlor... | 9.115 | 8.087 | 78353030 | 92529545 | 23.096  | 22.433  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.043 | 3.420 | 60556598 | 74325024 | 10.350  | 10.393  |
| 3)                          | MA gamma-BHC... | 4.374 | 3.753 | 59012898 | 71215314 | 10.602  | 10.546  |
| 6)                          | B beta-BHC      | 4.559 | 4.047 | 25913271 | 32631860 | 10.581  | 10.816  |
| 12)                         | B 4,4'-DDE      | 6.234 | 5.399 | 1330230  | 721901   | 0.260m  | 0.121m# |
| 14)                         | MA Endrin       | 6.618 | 5.808 | 207.5E6  | 268.8E6  | 54.157  | 50.461  |
| 16)                         | A 4,4'-DDD      | 6.747 | 5.949 | 17775280 | 23525936 | 4.575   | 4.575   |
| 17)                         | MA 4,4'-DDT     | 7.063 | 6.203 | 388.4E6  | 494.0E6  | 107.966 | 98.426  |
| 18)                         | B Endrin al...  | 6.956 | 6.276 | 3277611  | 5132929  | 1.116m  | 1.341   |
| 20)                         | A Methoxychlor  | 7.535 | 6.773 | 423.3E6  | 566.9E6  | 251.074 | 209.496 |
| 21)                         | B Endrin ke...  | 7.673 | 7.004 | 9914584  | 18144893 | 2.646   | 3.088   |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095655.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 11:47  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

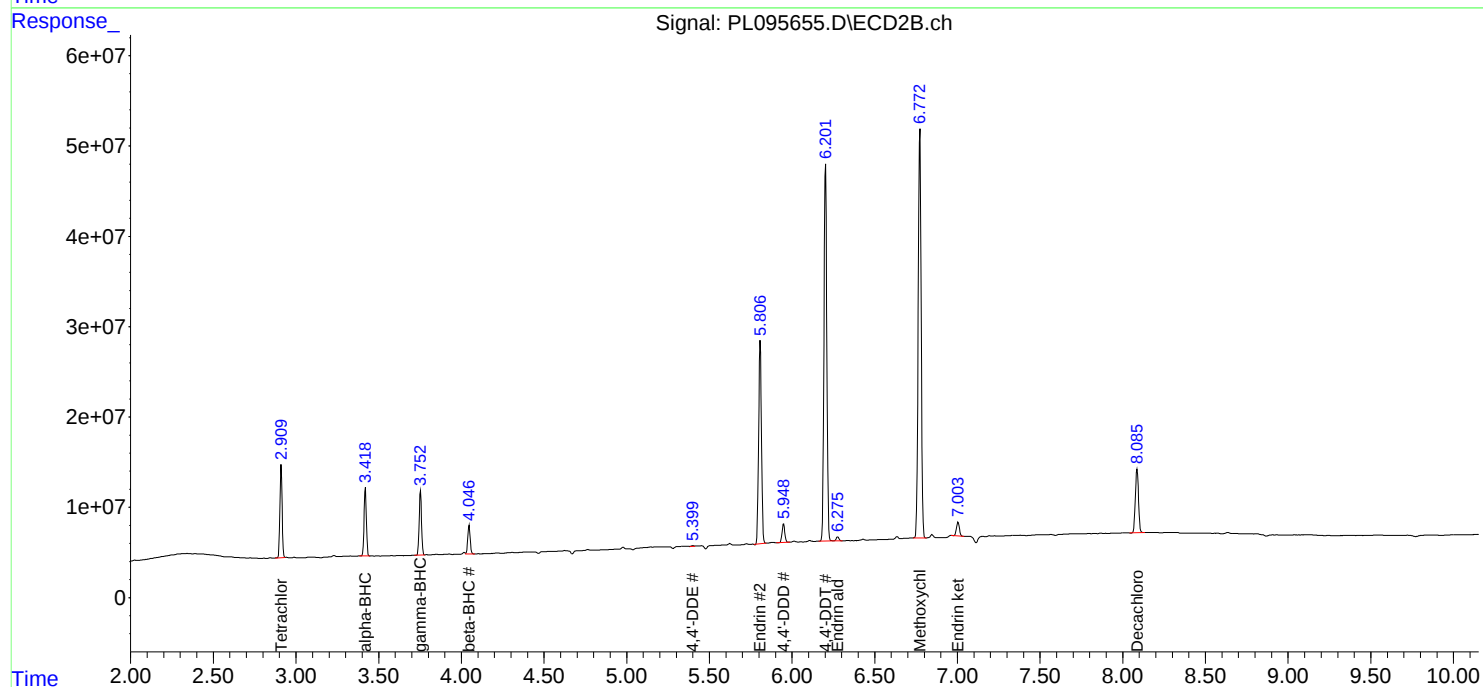
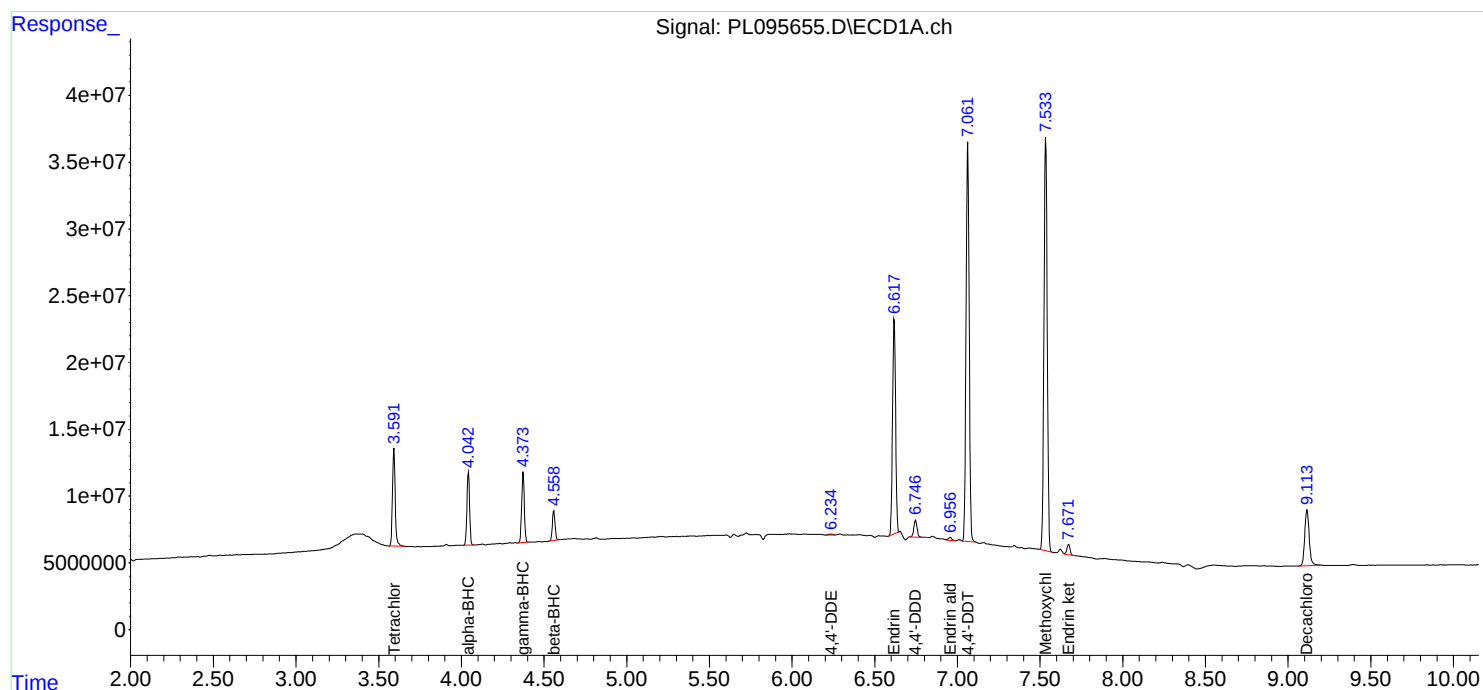
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 05/15/2025  
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:07:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095714.D Date Analyzed: 05/16/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 9.115 | 9.010     | 9.220 | 21.780     | 20.000     | 8.9  |
| Tetrachloro-m-xylene | 3.593 | 3.540     | 3.640 | 20.130     | 20.000     | 0.7  |
| alpha-BHC            | 4.043 | 3.990     | 4.090 | 9.880      | 10.000     | -1.2 |
| beta-BHC             | 4.559 | 4.510     | 4.610 | 10.250     | 10.000     | 2.5  |
| gamma-BHC (Lindane)  | 4.374 | 4.320     | 4.420 | 10.100     | 10.000     | 1.0  |
| Endrin               | 6.618 | 6.550     | 6.690 | 53.270     | 50.000     | 6.5  |
| 4,4'-DDT             | 7.064 | 6.990     | 7.130 | 105.500    | 100.000    | 5.5  |
| Methoxychlor         | 7.534 | 7.460     | 7.600 | 249.490    | 250.000    | -0.2 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095714.D Date Analyzed: 05/16/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 8.085 | 7.980     | 8.190 | 20.480     | 20.000     | 2.4   |
| Tetrachloro-m-xylene | 2.909 | 2.860     | 2.960 | 19.160     | 20.000     | -4.2  |
| alpha-BHC            | 3.418 | 3.370     | 3.470 | 9.820      | 10.000     | -1.8  |
| beta-BHC             | 4.045 | 3.990     | 4.100 | 10.110     | 10.000     | 1.1   |
| gamma-BHC (Lindane)  | 3.752 | 3.700     | 3.800 | 9.910      | 10.000     | -0.9  |
| Endrin               | 5.806 | 5.740     | 5.880 | 51.070     | 50.000     | 2.1   |
| 4,4'-DDT             | 6.202 | 6.130     | 6.270 | 98.910     | 100.000    | -1.1  |
| Methoxychlor         | 6.772 | 6.700     | 6.840 | 211.800    | 250.000    | -15.3 |

PEM  
 Data File: PL095714.D Date Acquired 5/16/2025 10:26  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down        |
|-----------------|------|-------------|-----------------------|---------------------|---------------------|
| Endrin          | 6.62 | 204063563.4 | 207589182.6           | 3525619.17          | Down<br><b>1.70</b> |
| Endrin aldehyde | 6.95 | 823690.622  |                       |                     |                     |
| Endrin ketone   | 7.67 | 2701928.548 |                       |                     |                     |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.81 | 272090928.3 | 279970321.9           | 7879393.63          | <b>2.81</b>  |
| Endrin aldehyde #2 | 6.28 | 2690034.028 |                       |                     |              |
| Endrin ketone #2   | 7.00 | 5189359.603 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.06 | 379578183.8 | 386204336.7               | 6626152.84            | <b>1.72</b>  |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.75 | 6626152.84  |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.20 | 496429510.9 | 504619571                 | 8190060.12            | <b>1.62</b>  |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.95 | 8190060.122 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
 Data File : PL095714.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 10:26  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:55:04 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.593 | 2.909 | 82247303 | 89747409 | 20.129  | 19.160  |
| 28)                         | SA Decachlor... | 9.115 | 8.085 | 73891411 | 84465625 | 21.781  | 20.478  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.043 | 3.418 | 57820916 | 70198143 | 9.882   | 9.816   |
| 3)                          | MA gamma-BHC... | 4.374 | 3.752 | 56213288 | 66891112 | 10.099  | 9.906   |
| 6)                          | B beta-BHC      | 4.559 | 4.045 | 25105567 | 30494085 | 10.251  | 10.107  |
| 14)                         | MA Endrin       | 6.618 | 5.806 | 204.1E6  | 272.1E6  | 53.272  | 51.071  |
| 16)                         | A 4,4'-DDD      | 6.747 | 5.948 | 6626153  | 8190060  | 1.705   | 1.593   |
| 17)                         | MA 4,4'-DDT     | 7.064 | 6.202 | 379.6E6  | 496.4E6  | 105.502 | 98.913  |
| 18)                         | B Endrin al...  | 6.953 | 6.275 | 823691   | 2690034  | 0.281m  | 0.703m# |
| 20)                         | A Methoxychlor  | 7.534 | 6.772 | 420.6E6  | 573.1E6  | 249.487 | 211.799 |
| 21)                         | B Endrin ke...  | 7.672 | 7.003 | 2701929  | 5189360  | 0.721m  | 0.883m  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095714.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 10:26  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

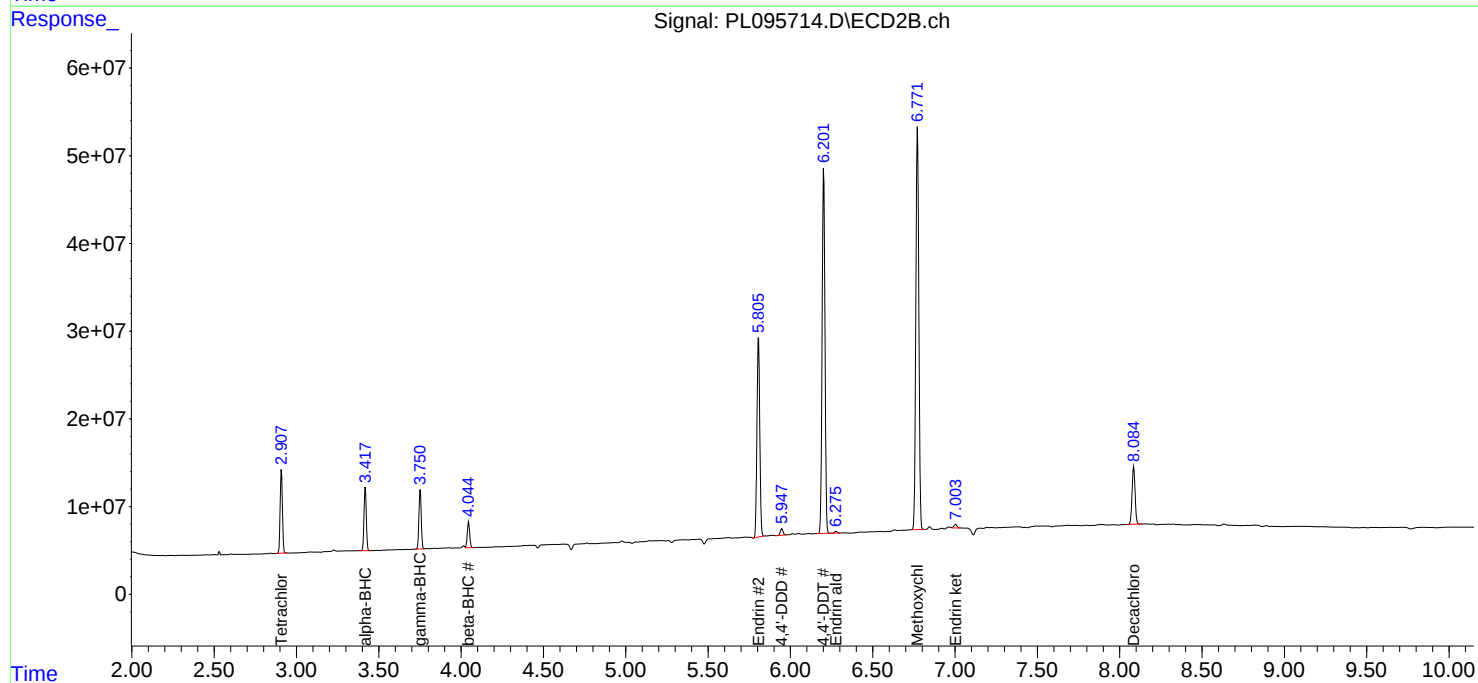
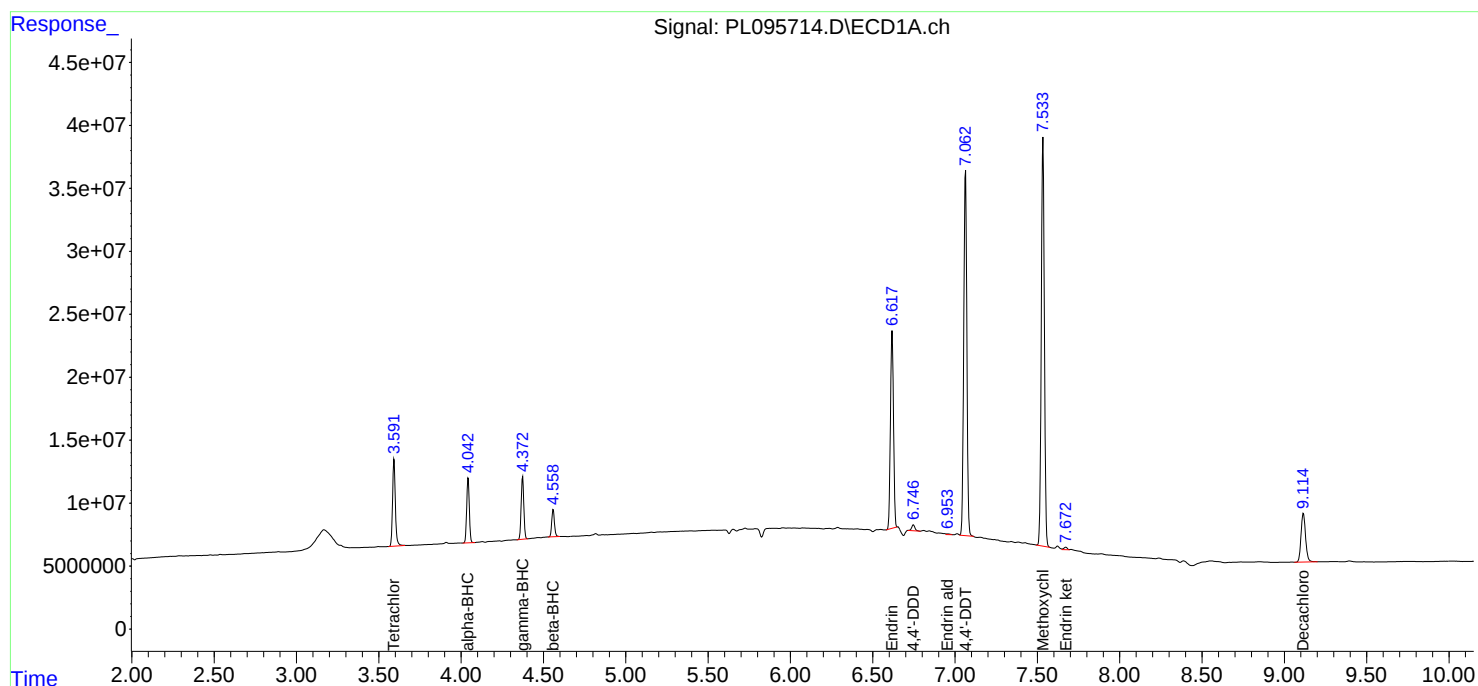
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 05/19/2025  
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:55:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095632.D  
Acq On : 13 May 2025 12:10  
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\PL051325.M  
Title : GC Extractables  
Last Update : Tue May 13 14:38:57 2025  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.594 | 5.990 | 100.00%    |
| 5.990 | 6.119 | 100.00%    |
| 6.119 | 6.239 | 100.00%    |
| 6.239 | 6.392 | 99.57%     |
| 6.392 | 7.194 | 100.00%    |
| 7.194 | 7.535 | 100.00%    |
| 7.535 | 7.676 | 100.00%    |
| 7.676 | 9.117 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.912 | 5.148 | 100.00% |
| 5.148 | 5.269 | 100.00% |
| 5.269 | 5.399 | 100.00% |
| 5.399 | 5.534 | 100.00% |
| 5.534 | 6.500 | 100.00% |
| 6.500 | 6.775 | 100.00% |
| 6.775 | 7.006 | 100.00% |
| 7.006 | 8.088 | 100.00% |

PL051325.M Tue May 13 14:50:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
 Data File : PL095632.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 12:10  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RESCHK

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025  
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 13 14:42:38 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.594 | 2.912 | 75500405 | 87556195 | 18.478 | 18.692 |
| 28)                         | SA Decachlor... | 9.117 | 8.088 | 67284056 | 82319172 | 19.834 | 19.957 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 9)                          | A Endosulfan I  | 6.119 | 5.269 | 41845247 | 50663802 | 8.548  | 9.796  |
| 10)                         | B gamma-Chl...  | 5.988 | 5.148 | 49454639 | 58845291 | 9.235m | 9.879  |
| 12)                         | B 4,4'-DDE      | 6.239 | 5.399 | 100.8E6  | 116.0E6  | 19.698 | 19.439 |
| 13)                         | MA Dieldrin     | 6.392 | 5.534 | 92012698 | 120.0E6  | 18.671 | 19.503 |
| 19)                         | B Endosulfa...  | 7.194 | 6.500 | 70776634 | 97100169 | 19.283 | 19.530 |
| 20)                         | A Methoxychlor  | 7.535 | 6.775 | 156.7E6  | 236.1E6  | 92.949 | 87.261 |
| 21)                         | B Endrin ke...  | 7.676 | 7.006 | 69242789 | 110.3E6  | 18.483 | 18.763 |
| -----                       |                 |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095632.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 12:10  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

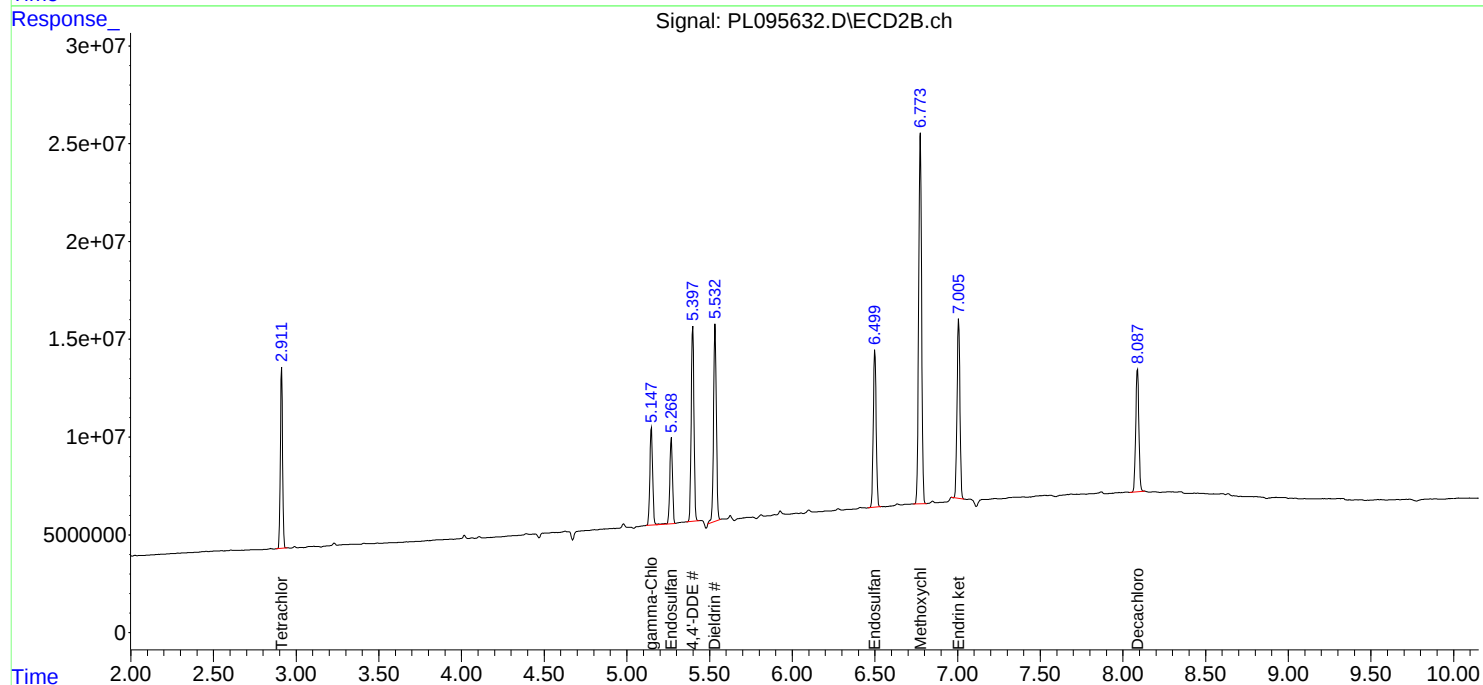
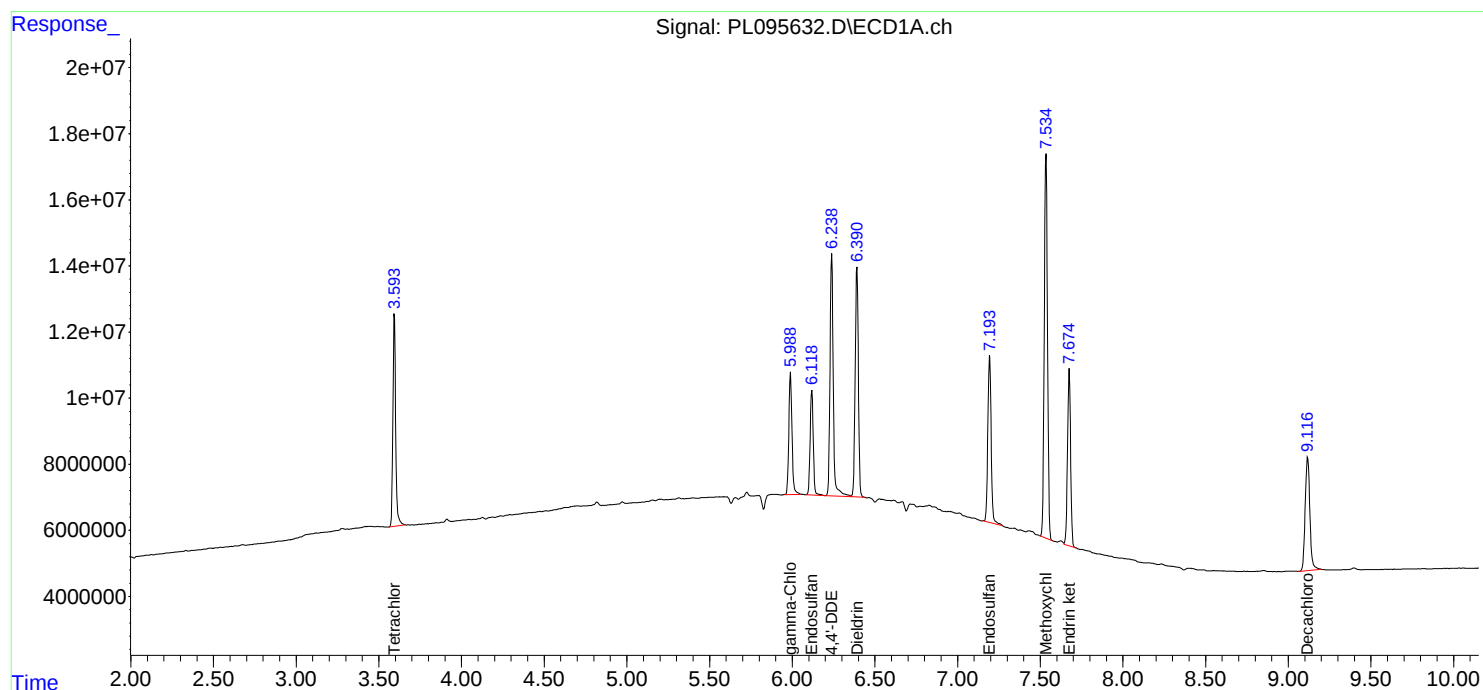
Instrument :  
ECD\_L  
ClientSampleId :  
RESCHK

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 05/15/2025  
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 14:42:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



## Analytical Sequence

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Client: CDM Smith                   | SDG No.: Q2032                                                  |
| Project: South River WM Replacement | Instrument ID: ECD_L                                            |
| GC Column: ZB-MR1                   | ID: 0.32 (mm)    Inst. Calib. Date(s): 05/13/2025    05/13/2025 |

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 # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 05/13/2025       | 11:43            | PL095630.D | 9.12        | 3.59        |
| PEM               | PEM              | 05/13/2025       | 11:57            | PL095631.D | 9.12        | 3.59        |
| RESCHK            | RESCHK           | 05/13/2025       | 12:10            | PL095632.D | 9.12        | 3.59        |
| PSTDICC100        | PSTDICC100       | 05/13/2025       | 12:24            | PL095633.D | 9.12        | 3.59        |
| PSTDICC075        | PSTDICC075       | 05/13/2025       | 12:38            | PL095634.D | 9.12        | 3.59        |
| PSTDICC050        | PSTDICC050       | 05/13/2025       | 12:51            | PL095635.D | 9.12        | 3.59        |
| PSTDICC025        | PSTDICC025       | 05/13/2025       | 13:05            | PL095636.D | 9.12        | 3.59        |
| PSTDICC005        | PSTDICC005       | 05/13/2025       | 13:18            | PL095637.D | 9.12        | 3.59        |
| PCHLORICC500      | PCHLORICC500     | 05/13/2025       | 13:59            | PL095640.D | 9.12        | 3.59        |
| PTOXICC500        | PTOXICC500       | 05/13/2025       | 15:07            | PL095645.D | 9.11        | 3.59        |
| PEM               | PEM              | 05/14/2025       | 11:47            | PL095655.D | 9.12        | 3.59        |
| IBLK              | IBLK             | 05/14/2025       | 16:12            | PL095666.D | 9.11        | 3.59        |
| PSTDCCC050        | PSTDCCC050       | 05/14/2025       | 16:26            | PL095667.D | 9.11        | 3.59        |
| PB168004BL        | PB168004BL       | 05/14/2025       | 16:41            | PL095668.D | 9.12        | 3.59        |
| PB168004BS        | PB168004BS       | 05/14/2025       | 16:55            | PL095669.D | 9.11        | 3.59        |
| PB168004BSD       | PB168004BSD      | 05/14/2025       | 17:08            | PL095670.D | 9.11        | 3.59        |
| FB-05132025       | Q2032-11         | 05/14/2025       | 17:36            | PL095672.D | 9.11        | 3.59        |
| IBLK              | IBLK             | 05/14/2025       | 20:08            | PL095682.D | 9.13        | 3.61        |
| PSTDCCC050        | PSTDCCC050       | 05/14/2025       | 20:49            | PL095683.D | 9.11        | 3.59        |
| IBLK              | IBLK             | 05/16/2025       | 10:12            | PL095713.D | 9.12        | 3.59        |
| PEM               | PEM              | 05/16/2025       | 10:26            | PL095714.D | 9.12        | 3.59        |
| PSTDCCC050        | PSTDCCC050       | 05/16/2025       | 10:39            | PL095715.D | 9.12        | 3.59        |
| PB168040BL        | PB168040BL       | 05/16/2025       | 12:42            | PL095716.D | 9.13        | 3.60        |
| PB168040BS        | PB168040BS       | 05/16/2025       | 12:56            | PL095717.D | 9.12        | 3.59        |
| TP-11             | Q2032-01         | 05/16/2025       | 13:51            | PL095721.D | 9.11        | 3.59        |
| TP-29             | Q2032-02         | 05/16/2025       | 14:04            | PL095722.D | 9.11        | 3.59        |
| TP-29-99          | Q2032-03         | 05/16/2025       | 14:18            | PL095723.D | 9.11        | 3.59        |
| TP-24             | Q2032-04         | 05/16/2025       | 14:32            | PL095724.D | 9.11        | 3.59        |
| TP-24MS           | Q2032-05MS       | 05/16/2025       | 14:46            | PL095725.D | 9.11        | 3.59        |
| TP-24MSD          | Q2032-06MSD      | 05/16/2025       | 14:59            | PL095726.D | 9.11        | 3.59        |
| TP-37             | Q2032-07         | 05/16/2025       | 15:13            | PL095727.D | 9.11        | 3.59        |
| TP-32             | Q2032-08         | 05/16/2025       | 15:27            | PL095728.D | 9.11        | 3.59        |
| IBLK              | IBLK             | 05/16/2025       | 15:41            | PL095729.D | 9.11        | 3.59        |
| PSTDCCC050        | PSTDCCC050       | 05/16/2025       | 15:55            | PL095730.D | 9.12        | 3.59        |

## Analytical Sequence

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Client: CDM Smith                   | SDG No.: Q2032                                                  |
| Project: South River WM Replacement | Instrument ID: ECD_L                                            |
| GC Column: ZB-MR2                   | ID: 0.32 (mm)    Inst. Calib. Date(s): 05/13/2025    05/13/2025 |

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 # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 05/13/2025       | 11:43            | PL095630.D | 8.09        | 2.91        |
| PEM               | PEM              | 05/13/2025       | 11:57            | PL095631.D | 8.09        | 2.91        |
| RESCHK            | RESCHK           | 05/13/2025       | 12:10            | PL095632.D | 8.09        | 2.91        |
| PSTDICC100        | PSTDICC100       | 05/13/2025       | 12:24            | PL095633.D | 8.09        | 2.91        |
| PSTDICC075        | PSTDICC075       | 05/13/2025       | 12:38            | PL095634.D | 8.09        | 2.91        |
| PSTDICC050        | PSTDICC050       | 05/13/2025       | 12:51            | PL095635.D | 8.09        | 2.91        |
| PSTDICC025        | PSTDICC025       | 05/13/2025       | 13:05            | PL095636.D | 8.09        | 2.91        |
| PSTDICC005        | PSTDICC005       | 05/13/2025       | 13:18            | PL095637.D | 8.09        | 2.91        |
| PCHLORICC500      | PCHLORICC500     | 05/13/2025       | 13:59            | PL095640.D | 8.09        | 2.91        |
| PTOXICC500        | PTOXICC500       | 05/13/2025       | 15:07            | PL095645.D | 8.08        | 2.91        |
| PEM               | PEM              | 05/14/2025       | 11:47            | PL095655.D | 8.09        | 2.91        |
| IBLK              | IBLK             | 05/14/2025       | 16:12            | PL095666.D | 8.08        | 2.90        |
| PSTDCCC050        | PSTDCCC050       | 05/14/2025       | 16:26            | PL095667.D | 8.08        | 2.91        |
| PB168004BL        | PB168004BL       | 05/14/2025       | 16:41            | PL095668.D | 8.08        | 2.90        |
| PB168004BS        | PB168004BS       | 05/14/2025       | 16:55            | PL095669.D | 8.08        | 2.91        |
| PB168004BSD       | PB168004BSD      | 05/14/2025       | 17:08            | PL095670.D | 8.08        | 2.91        |
| FB-05132025       | Q2032-11         | 05/14/2025       | 17:36            | PL095672.D | 8.08        | 2.91        |
| IBLK              | IBLK             | 05/14/2025       | 20:08            | PL095682.D | 8.08        | 2.91        |
| PSTDCCC050        | PSTDCCC050       | 05/14/2025       | 20:49            | PL095683.D | 8.08        | 2.91        |
| IBLK              | IBLK             | 05/16/2025       | 10:12            | PL095713.D | 8.09        | 2.91        |
| PEM               | PEM              | 05/16/2025       | 10:26            | PL095714.D | 8.09        | 2.91        |
| PSTDCCC050        | PSTDCCC050       | 05/16/2025       | 10:39            | PL095715.D | 8.09        | 2.91        |
| PB168040BL        | PB168040BL       | 05/16/2025       | 12:42            | PL095716.D | 8.09        | 2.91        |
| PB168040BS        | PB168040BS       | 05/16/2025       | 12:56            | PL095717.D | 8.09        | 2.91        |
| TP-11             | Q2032-01         | 05/16/2025       | 13:51            | PL095721.D | 8.08        | 2.91        |
| TP-29             | Q2032-02         | 05/16/2025       | 14:04            | PL095722.D | 8.08        | 2.91        |
| TP-29-99          | Q2032-03         | 05/16/2025       | 14:18            | PL095723.D | 8.08        | 2.91        |
| TP-24             | Q2032-04         | 05/16/2025       | 14:32            | PL095724.D | 8.08        | 2.91        |
| TP-24MS           | Q2032-05MS       | 05/16/2025       | 14:46            | PL095725.D | 8.08        | 2.91        |
| TP-24MSD          | Q2032-06MSD      | 05/16/2025       | 14:59            | PL095726.D | 8.08        | 2.91        |
| TP-37             | Q2032-07         | 05/16/2025       | 15:13            | PL095727.D | 8.08        | 2.91        |
| TP-32             | Q2032-08         | 05/16/2025       | 15:27            | PL095728.D | 8.08        | 2.91        |
| IBLK              | IBLK             | 05/16/2025       | 15:41            | PL095729.D | 8.09        | 2.91        |
| PSTDCCC050        | PSTDCCC050       | 05/16/2025       | 15:55            | PL095730.D | 8.09        | 2.91        |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PB168004BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168004BS

Date(s) Analyzed: 05/14/2025 05/14/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| Endosulfan II      | 1   | 6.83 | 6.78      | 6.88 | 0.51          | 10.1 |
|                    | 2   | 6.09 | 6.04      | 6.14 | 0.46          |      |
| 4,4'-DDD           | 1   | 6.75 | 6.70      | 6.80 | 0.53          | 7.1  |
|                    | 2   | 5.94 | 5.89      | 5.99 | 0.49          |      |
| 4,4'-DDT           | 1   | 7.06 | 7.01      | 7.11 | 0.51          | 14.1 |
|                    | 2   | 6.20 | 6.15      | 6.25 | 0.44          |      |
| Endrin aldehyde    | 1   | 6.96 | 6.91      | 7.01 | 0.53          | 9.4  |
|                    | 2   | 6.27 | 6.22      | 6.32 | 0.49          |      |
| Endosulfan sulfate | 1   | 7.19 | 7.14      | 7.24 | 0.53          | 11.3 |
|                    | 2   | 6.49 | 6.44      | 6.54 | 0.47          |      |
| alpha-BHC          | 1   | 4.04 | 3.99      | 4.09 | 0.51          | 9.4  |
|                    | 2   | 3.41 | 3.36      | 3.46 | 0.47          |      |
| Aldrin             | 1   | 5.31 | 5.26      | 5.36 | 0.52          | 11.4 |
|                    | 2   | 4.39 | 4.34      | 4.44 | 0.46          |      |
| beta-BHC           | 1   | 4.56 | 4.51      | 4.61 | 0.50          | 10.8 |
|                    | 2   | 4.04 | 3.99      | 4.09 | 0.45          |      |
| delta-BHC          | 1   | 4.81 | 4.76      | 4.86 | 0.51          | 9.6  |
|                    | 2   | 4.28 | 4.23      | 4.33 | 0.47          |      |
| Endosulfan I       | 1   | 6.12 | 6.07      | 6.17 | 0.53          | 6.6  |
|                    | 2   | 5.26 | 5.21      | 5.31 | 0.50          |      |
| alpha-Chlordane    | 1   | 6.07 | 6.02      | 6.12 | 0.53          | 13.3 |
|                    | 2   | 5.21 | 5.16      | 5.26 | 0.46          |      |
| 4,4'-DDE           | 1   | 6.24 | 6.19      | 6.29 | 0.54          | 13.7 |
|                    | 2   | 5.39 | 5.34      | 5.44 | 0.47          |      |
| Dieldrin           | 1   | 6.39 | 6.34      | 6.44 | 0.53          | 11.7 |
|                    | 2   | 5.53 | 5.48      | 5.58 | 0.47          |      |
| Endrin             | 1   | 6.62 | 6.57      | 6.67 | 0.50          | 10.6 |
|                    | 2   | 5.80 | 5.75      | 5.85 | 0.45          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PB168004BS**

**Contract:** CAMP02

**Lab Code:** CHEM **Case No.:** Q2032

**SAS No.:** Q2032 **SDG NO.:** Q2032

**Lab Sample ID:** PB168004BS

**Date(s) Analyzed:** 05/14/2025 05/14/2025

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

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

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Methoxychlor        | 1   | 7.53 | 7.48      | 7.58 | 0.48          | 12.8 |
|                     | 2   | 6.77 | 6.72      | 6.82 | 0.43          |      |
| Endrin ketone       | 1   | 7.67 | 7.62      | 7.72 | 0.53          | 10.1 |
|                     | 2   | 7.00 | 6.95      | 7.05 | 0.48          |      |
| gamma-BHC (Lindane) | 1   | 4.37 | 4.32      | 4.42 | 0.51          | 9.4  |
|                     | 2   | 3.75 | 3.70      | 3.80 | 0.47          |      |
| Heptachlor          | 1   | 4.97 | 4.92      | 5.02 | 0.50          | 12.3 |
|                     | 2   | 4.10 | 4.05      | 4.15 | 0.45          |      |
| Heptachlor epoxide  | 1   | 5.73 | 5.68      | 5.78 | 0.51          | 8.2  |
|                     | 2   | 4.89 | 4.84      | 4.94 | 0.47          |      |
| gamma-Chlordane     | 1   | 5.99 | 5.94      | 6.04 | 0.52          | 11.1 |
|                     | 2   | 5.14 | 5.09      | 5.19 | 0.47          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

**PB168004BSD**

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168004BSD

Date(s) Analyzed: 05/14/2025 05/14/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| Heptachlor         | 1   | 4.97 | 4.92      | 5.02 | 0.48          | 11.4 |
|                    | 2   | 4.10 | 4.05      | 4.15 | 0.42          |      |
| Aldrin             | 1   | 5.31 | 5.26      | 5.36 | 0.49          | 11.2 |
|                    | 2   | 4.39 | 4.34      | 4.44 | 0.44          |      |
| beta-BHC           | 1   | 4.56 | 4.51      | 4.61 | 0.48          | 10.6 |
|                    | 2   | 4.04 | 3.99      | 4.09 | 0.43          |      |
| delta-BHC          | 1   | 4.81 | 4.76      | 4.86 | 0.49          | 9.5  |
|                    | 2   | 4.28 | 4.23      | 4.33 | 0.44          |      |
| Heptachlor epoxide | 1   | 5.73 | 5.68      | 5.78 | 0.49          | 8.6  |
|                    | 2   | 4.89 | 4.84      | 4.94 | 0.45          |      |
| Endosulfan I       | 1   | 6.12 | 6.07      | 6.17 | 0.50          | 7.1  |
|                    | 2   | 5.26 | 5.21      | 5.31 | 0.47          |      |
| gamma-Chlordane    | 1   | 5.99 | 5.94      | 6.04 | 0.49          | 10.9 |
|                    | 2   | 5.14 | 5.09      | 5.19 | 0.44          |      |
| alpha-Chlordane    | 1   | 6.07 | 6.02      | 6.12 | 0.50          | 13.6 |
|                    | 2   | 5.21 | 5.16      | 5.26 | 0.44          |      |
| 4,4'-DDE           | 1   | 6.24 | 6.19      | 6.29 | 0.51          | 13.7 |
|                    | 2   | 5.39 | 5.34      | 5.44 | 0.45          |      |
| Dieldrin           | 1   | 6.39 | 6.34      | 6.44 | 0.50          | 11.1 |
|                    | 2   | 5.53 | 5.48      | 5.58 | 0.45          |      |
| Endrin             | 1   | 6.62 | 6.57      | 6.67 | 0.47          | 9.6  |
|                    | 2   | 5.80 | 5.75      | 5.85 | 0.43          |      |
| Endosulfan II      | 1   | 6.83 | 6.78      | 6.88 | 0.49          | 9.5  |
|                    | 2   | 6.09 | 6.04      | 6.14 | 0.44          |      |
| 4,4'-DDD           | 1   | 6.75 | 6.70      | 6.80 | 0.51          | 7.6  |
|                    | 2   | 5.94 | 5.89      | 5.99 | 0.47          |      |
| 4,4'-DDT           | 1   | 7.06 | 7.01      | 7.11 | 0.47          | 13.3 |
|                    | 2   | 6.20 | 6.15      | 6.25 | 0.41          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PB168004BSD**

**Contract:** CAMP02

**Lab Code:** CHEM **Case No.:** Q2032

**SAS No.:** Q2032

**SDG NO.:** Q2032

**Lab Sample ID:** PB168004BSD

**Date(s) Analyzed:** 05/14/2025 05/14/2025

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

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

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin aldehyde     | 1   | 6.96 | 6.91      | 7.01 | 0.50          | 8    |
|                     | 2   | 6.27 | 6.22      | 6.32 | 0.46          |      |
| Endosulfan sulfate  | 1   | 7.19 | 7.14      | 7.24 | 0.50          | 11.4 |
|                     | 2   | 6.49 | 6.44      | 6.54 | 0.45          |      |
| Methoxychlor        | 1   | 7.53 | 7.48      | 7.58 | 0.45          | 11.6 |
|                     | 2   | 6.77 | 6.72      | 6.82 | 0.40          |      |
| Endrin ketone       | 1   | 7.67 | 7.62      | 7.72 | 0.51          | 10.4 |
|                     | 2   | 7.00 | 6.95      | 7.05 | 0.46          |      |
| alpha-BHC           | 1   | 4.04 | 3.99      | 4.09 | 0.49          | 10.1 |
|                     | 2   | 3.41 | 3.36      | 3.46 | 0.44          |      |
| gamma-BHC (Lindane) | 1   | 4.37 | 4.32      | 4.42 | 0.49          | 9.5  |
|                     | 2   | 3.75 | 3.70      | 3.80 | 0.44          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PB168040BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2032

SAS No.: Q2032

SDG NO.: Q2032

Lab Sample ID: PB168040BS

Date(s) Analyzed: 05/16/2025

05/16/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| 4,4'-DDD           | 1   | 6.75 | 6.70      | 6.80 | 15.0          | 0.7  |
|                    | 2   | 5.95 | 5.90      | 6.00 | 14.9          |      |
| 4,4'-DDE           | 1   | 6.24 | 6.19      | 6.29 | 16.1          | 8.4  |
|                    | 2   | 5.40 | 5.35      | 5.45 | 14.8          |      |
| 4,4'-DDT           | 1   | 7.06 | 7.01      | 7.11 | 15.9          | 5.2  |
|                    | 2   | 6.20 | 6.15      | 6.25 | 15.1          |      |
| alpha-BHC          | 1   | 4.05 | 4.00      | 4.10 | 15.2          | 6.8  |
|                    | 2   | 3.42 | 3.37      | 3.47 | 14.2          |      |
| Aldrin             | 1   | 5.32 | 5.27      | 5.37 | 15.3          | 6.1  |
|                    | 2   | 4.39 | 4.34      | 4.44 | 14.4          |      |
| alpha-Chlordane    | 1   | 6.07 | 6.02      | 6.12 | 15.6          | 7.3  |
|                    | 2   | 5.21 | 5.16      | 5.26 | 14.5          |      |
| Endosulfan II      | 1   | 6.83 | 6.78      | 6.88 | 15.0          | 4.1  |
|                    | 2   | 6.10 | 6.05      | 6.15 | 14.4          |      |
| Endosulfan sulfate | 1   | 7.19 | 7.14      | 7.24 | 15.3          | 6.1  |
|                    | 2   | 6.50 | 6.45      | 6.55 | 14.4          |      |
| beta-BHC           | 1   | 4.56 | 4.51      | 4.61 | 15.3          | 7.5  |
|                    | 2   | 4.05 | 4.00      | 4.10 | 14.2          |      |
| delta-BHC          | 1   | 4.81 | 4.76      | 4.86 | 15.3          | 5.4  |
|                    | 2   | 4.28 | 4.23      | 4.33 | 14.5          |      |
| Endosulfan I       | 1   | 6.12 | 6.07      | 6.17 | 15.3          | 3.2  |
|                    | 2   | 5.27 | 5.22      | 5.32 | 15.8          |      |
| Dieldrin           | 1   | 6.39 | 6.34      | 6.44 | 15.2          | 3.3  |
|                    | 2   | 5.53 | 5.48      | 5.58 | 14.7          |      |
| Endrin aldehyde    | 1   | 6.96 | 6.91      | 7.01 | 15.1          | 2    |
|                    | 2   | 6.28 | 6.23      | 6.33 | 14.8          |      |
| Methoxychlor       | 1   | 7.54 | 7.49      | 7.59 | 15.7          | 5.9  |
|                    | 2   | 6.77 | 6.72      | 6.82 | 14.8          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168040BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168040BS

Date(s) Analyzed: 05/16/2025 05/16/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin ketone       | 1   | 7.68 | 7.63      | 7.73 | 15.1          | 5.4  |
|                     | 2   | 7.00 | 6.95      | 7.05 | 14.3          |      |
| gamma-BHC (Lindane) | 1   | 4.38 | 4.33      | 4.43 | 15.2          | 6.1  |
|                     | 2   | 3.75 | 3.70      | 3.80 | 14.3          |      |
| Heptachlor          | 1   | 4.97 | 4.92      | 5.02 | 14.9          | 4.8  |
|                     | 2   | 4.11 | 4.06      | 4.16 | 14.2          |      |
| Heptachlor epoxide  | 1   | 5.74 | 5.69      | 5.79 | 15.0          | 2.7  |
|                     | 2   | 4.89 | 4.84      | 4.94 | 14.6          |      |
| gamma-Chlordane     | 1   | 5.99 | 5.94      | 6.04 | 15.3          | 4    |
|                     | 2   | 5.15 | 5.10      | 5.20 | 14.7          |      |
| Endrin              | 1   | 6.62 | 6.57      | 6.67 | 15.8          | 3.9  |
|                     | 2   | 5.81 | 5.76      | 5.86 | 15.2          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-24MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: Q2032-05MS

Date(s) Analyzed: 05/16/2025 05/16/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| 4,4'-DDD            | 1   | 6.75 | 6.70      | 6.80 | 19.2          | 2.1  |
|                     | 2   | 5.95 | 5.90      | 6.00 | 18.8          |      |
| 4,4'-DDT            | 1   | 7.06 | 7.01      | 7.11 | 20.8          | 7.5  |
|                     | 2   | 6.20 | 6.15      | 6.25 | 19.3          |      |
| alpha-BHC           | 1   | 4.04 | 3.99      | 4.09 | 20.2          | 6.6  |
|                     | 2   | 3.42 | 3.37      | 3.47 | 18.9          |      |
| Aldrin              | 1   | 5.31 | 5.26      | 5.36 | 20.3          | 8.7  |
|                     | 2   | 4.39 | 4.34      | 4.44 | 18.6          |      |
| beta-BHC            | 1   | 4.56 | 4.51      | 4.61 | 15.8          | 16.3 |
|                     | 2   | 4.04 | 3.99      | 4.09 | 18.6          |      |
| alpha-Chlordane     | 1   | 6.07 | 6.02      | 6.12 | 20.1          | 9.4  |
|                     | 2   | 5.21 | 5.16      | 5.26 | 18.3          |      |
| 4,4'-DDE            | 1   | 6.24 | 6.19      | 6.29 | 18.3          | 1.1  |
|                     | 2   | 5.40 | 5.35      | 5.45 | 18.5          |      |
| Endosulfan II       | 1   | 6.83 | 6.78      | 6.88 | 18.9          | 2.7  |
|                     | 2   | 6.10 | 6.05      | 6.15 | 18.4          |      |
| Endrin aldehyde     | 1   | 6.96 | 6.91      | 7.01 | 20.1          | 5.6  |
|                     | 2   | 6.27 | 6.22      | 6.32 | 19.0          |      |
| Endosulfan sulfate  | 1   | 7.19 | 7.14      | 7.24 | 19.2          | 5.3  |
|                     | 2   | 6.50 | 6.45      | 6.55 | 18.2          |      |
| Methoxychlor        | 1   | 7.53 | 7.48      | 7.58 | 20.8          | 7    |
|                     | 2   | 6.77 | 6.72      | 6.82 | 19.4          |      |
| Endrin ketone       | 1   | 7.67 | 7.62      | 7.72 | 19.7          | 7.9  |
|                     | 2   | 7.00 | 6.95      | 7.05 | 18.2          |      |
| gamma-BHC (Lindane) | 1   | 4.37 | 4.32      | 4.42 | 20.1          | 7.8  |
|                     | 2   | 3.75 | 3.70      | 3.80 | 18.6          |      |
| Heptachlor          | 1   | 4.97 | 4.92      | 5.02 | 19.5          | 4.2  |
|                     | 2   | 4.10 | 4.05      | 4.15 | 18.7          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-24MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: Q2032-05MS

Date(s) Analyzed: 05/16/2025 05/16/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| delta-BHC          | 1   | 4.81 | 4.76      | 4.86 | 19.8          | 5.7  |
|                    | 2   | 4.28 | 4.23      | 4.33 | 18.7          |      |
| Heptachlor epoxide | 1   | 5.73 | 5.68      | 5.78 | 19.0          | 2.1  |
|                    | 2   | 4.89 | 4.84      | 4.94 | 18.6          |      |
| Endosulfan I       | 1   | 6.12 | 6.07      | 6.17 | 20.0          | 5.1  |
|                    | 2   | 5.27 | 5.22      | 5.32 | 19.0          |      |
| gamma-Chlordane    | 1   | 5.99 | 5.94      | 6.04 | 19.6          | 5.2  |
|                    | 2   | 5.14 | 5.09      | 5.19 | 18.6          |      |
| Dieldrin           | 1   | 6.39 | 6.34      | 6.44 | 19.1          | 2.1  |
|                    | 2   | 5.53 | 5.48      | 5.58 | 18.7          |      |
| Endrin             | 1   | 6.62 | 6.57      | 6.67 | 20.1          | 1    |
|                    | 2   | 5.81 | 5.76      | 5.86 | 19.9          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

TP-24MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032

SDG NO.: Q2032

Lab Sample ID: Q2032-06MSD

Date(s) Analyzed: 05/16/2025 05/16/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| 4,4'-DDD           | 1   | 6.75 | 6.70      | 6.80 | 19.3          | 2.1  |
|                    | 2   | 5.95 | 5.90      | 6.00 | 18.9          |      |
| 4,4'-DDT           | 1   | 7.06 | 7.01      | 7.11 | 20.6          | 6.5  |
|                    | 2   | 6.20 | 6.15      | 6.25 | 19.3          |      |
| Endrin aldehyde    | 1   | 6.96 | 6.91      | 7.01 | 20.0          | 4.6  |
|                    | 2   | 6.27 | 6.22      | 6.32 | 19.1          |      |
| Endosulfan sulfate | 1   | 7.19 | 7.14      | 7.24 | 19.5          | 6.3  |
|                    | 2   | 6.49 | 6.44      | 6.54 | 18.3          |      |
| alpha-BHC          | 1   | 4.04 | 3.99      | 4.09 | 20.3          | 7.1  |
|                    | 2   | 3.42 | 3.37      | 3.47 | 18.9          |      |
| Aldrin             | 1   | 5.31 | 5.26      | 5.36 | 20.3          | 8.2  |
|                    | 2   | 4.39 | 4.34      | 4.44 | 18.7          |      |
| beta-BHC           | 1   | 4.56 | 4.51      | 4.61 | 15.8          | 16.3 |
|                    | 2   | 4.05 | 4.00      | 4.10 | 18.6          |      |
| delta-BHC          | 1   | 4.81 | 4.76      | 4.86 | 19.8          | 5.7  |
|                    | 2   | 4.28 | 4.23      | 4.33 | 18.7          |      |
| Endosulfan I       | 1   | 6.12 | 6.07      | 6.17 | 20.2          | 6.1  |
|                    | 2   | 5.27 | 5.22      | 5.32 | 19.0          |      |
| alpha-Chlordane    | 1   | 6.07 | 6.02      | 6.12 | 20.2          | 9.9  |
|                    | 2   | 5.21 | 5.16      | 5.26 | 18.3          |      |
| 4,4'-DDE           | 1   | 6.24 | 6.19      | 6.29 | 18.4          | 0.5  |
|                    | 2   | 5.39 | 5.34      | 5.44 | 18.5          |      |
| Dieldrin           | 1   | 6.39 | 6.34      | 6.44 | 19.1          | 1.6  |
|                    | 2   | 5.53 | 5.48      | 5.58 | 18.8          |      |
| Endrin             | 1   | 6.62 | 6.57      | 6.67 | 20.1          | 0.5  |
|                    | 2   | 5.80 | 5.75      | 5.85 | 20.0          |      |
| Methoxychlor       | 1   | 7.53 | 7.48      | 7.58 | 20.8          | 7    |
|                    | 2   | 6.77 | 6.72      | 6.82 | 19.4          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-24MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: Q2032-06MSD

Date(s) Analyzed: 05/16/2025 05/16/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

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

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

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endrin ketone       | 1   | 7.67 | 7.62      | 7.72 | 19.6          | 7.4  |
|                     | 2   | 7.00 | 6.95      | 7.05 | 18.2          |      |
| gamma-BHC (Lindane) | 1   | 4.37 | 4.32      | 4.42 | 20.1          | 7.8  |
|                     | 2   | 3.75 | 3.70      | 3.80 | 18.6          |      |
| Heptachlor          | 1   | 4.97 | 4.92      | 5.02 | 19.6          | 5.2  |
|                     | 2   | 4.10 | 4.05      | 4.15 | 18.6          |      |
| Heptachlor epoxide  | 1   | 5.73 | 5.68      | 5.78 | 19.1          | 2.1  |
|                     | 2   | 4.89 | 4.84      | 4.94 | 18.7          |      |
| gamma-Chlordane     | 1   | 5.99 | 5.94      | 6.04 | 19.8          | 6.2  |
|                     | 2   | 5.14 | 5.09      | 5.19 | 18.6          |      |
| Endosulfan II       | 1   | 6.83 | 6.78      | 6.88 | 19.0          | 3.2  |
|                     | 2   | 6.10 | 6.05      | 6.15 | 18.4          |      |



# QC SAMPLE DATA

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    |                  |
| Project:           | South River WM Replacement | Date Received:     |                  |
| Client Sample ID:  | PB168004BL                 | SDG No.:           | Q2032            |
| Lab Sample ID:     | PB168004BL                 | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095668.D        | 1         | 05/14/25 09:06 | 05/14/25 16:41 | PB168004      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.3   |           | 43 - 140 | 101%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.5   |           | 77 - 126 | 98%        | SPK: 20 |

## Report of Analysis

|                    |                            |           |                    |               |           |
|--------------------|----------------------------|-----------|--------------------|---------------|-----------|
| Client:            | CDM Smith                  |           | Date Collected:    |               |           |
| Project:           | South River WM Replacement |           | Date Received:     |               |           |
| Client Sample ID:  | PB168004BL                 |           | SDG No.:           | Q2032         |           |
| Lab Sample ID:     | PB168004BL                 |           | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                      |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                       | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                            | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                            |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                        | PH :      |                    |               |           |
| Prep Method :      | 3510C                      |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095668.D        | 1         | 05/14/25 09:06 | 05/14/25 16:41 | PB168004      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051425\  
Data File : PL095668.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 16:41  
Operator : AR\AJ  
Sample : PB168004BL  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB168004BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:10:27 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.593 | 2.904 | 79683270 | 87229561 | 19.501 | 18.623 |
| 28) SA Decachlor...         | 9.115 | 8.081 | 68765240 | 79655993 | 20.270 | 19.312 |

Target Compounds

-----

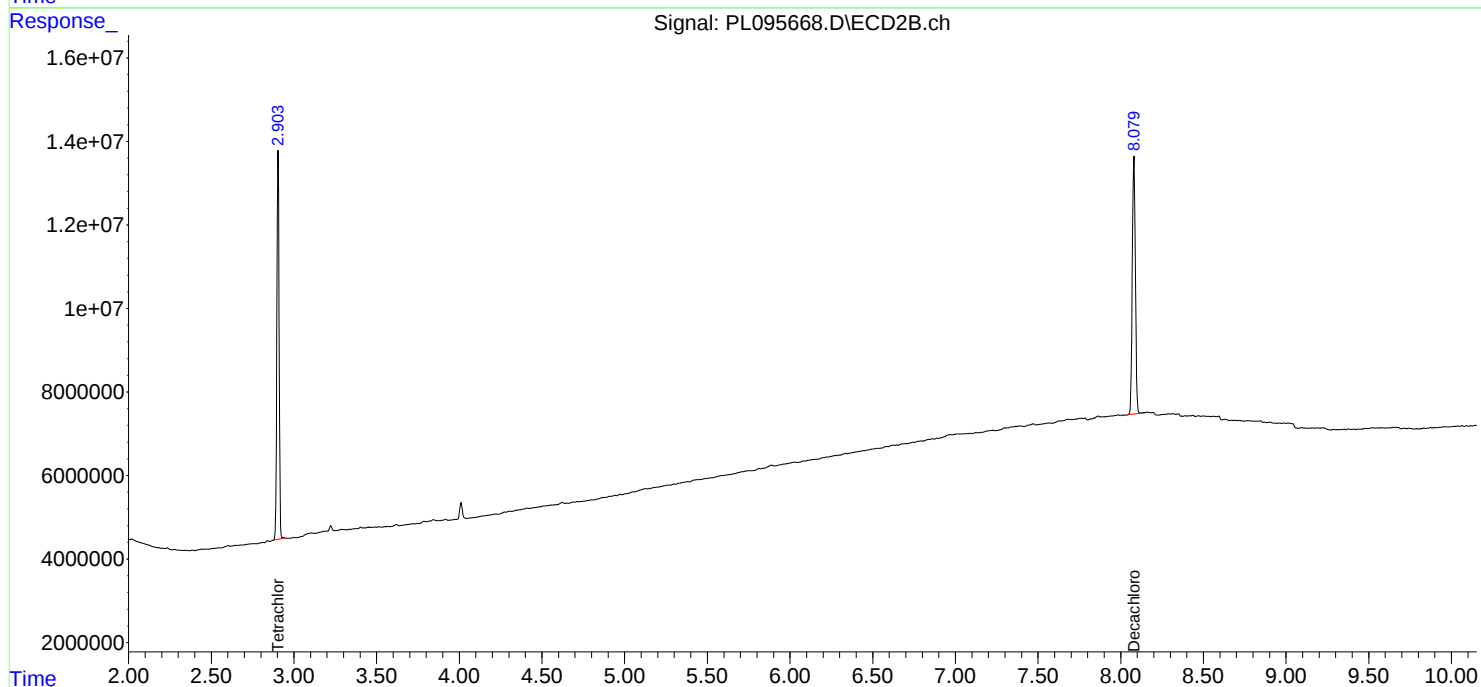
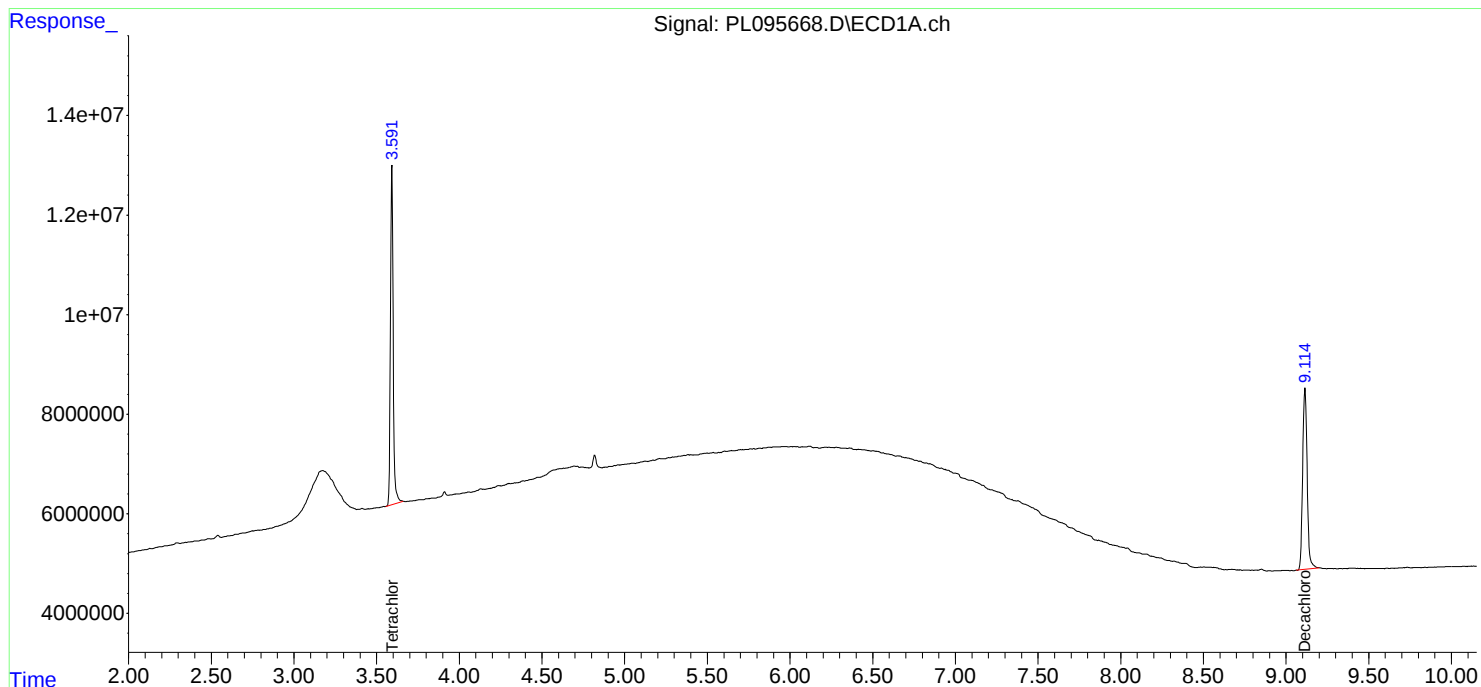
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

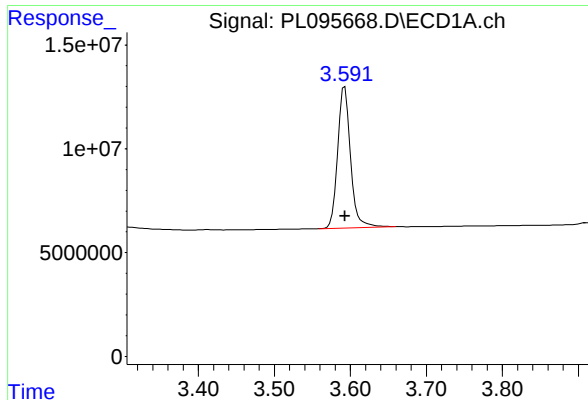
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095668.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 16:41  
Operator : AR\AJ  
Sample : PB168004BL  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB168004BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:10:27 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

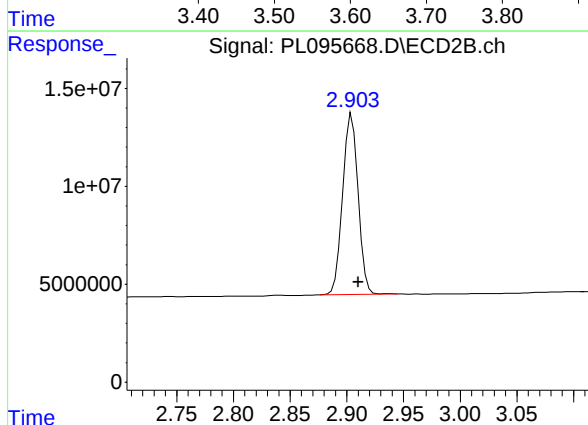




#1 Tetrachloro-m-xylene

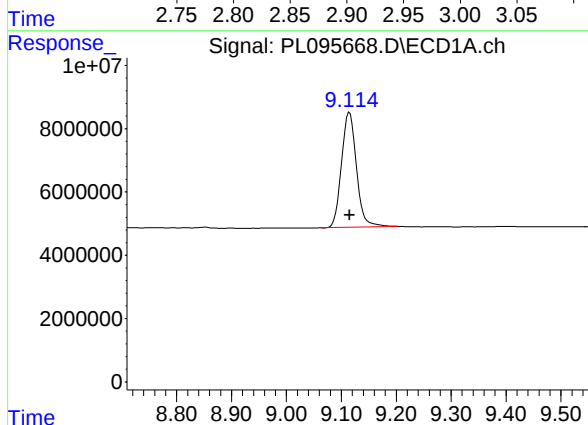
R.T.: 3.593 min  
Delta R.T.: 0.000 min  
Response: 79683270  
Conc: 19.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168004BL



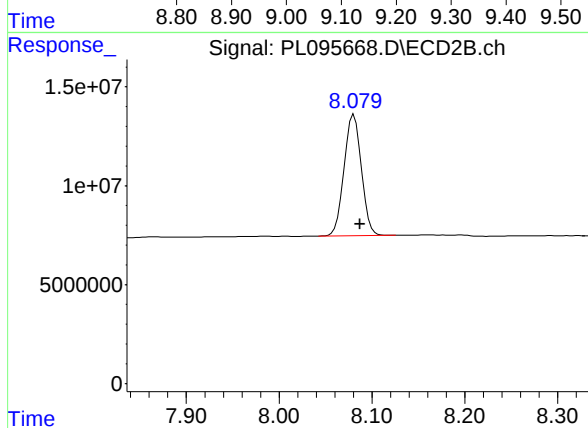
#1 Tetrachloro-m-xylene

R.T.: 2.904 min  
Delta R.T.: -0.006 min  
Response: 87229561  
Conc: 18.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min  
Delta R.T.: 0.000 min  
Response: 68765240  
Conc: 20.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.081 min  
Delta R.T.: -0.007 min  
Response: 79655993  
Conc: 19.31 ng/ml

## Report of Analysis

|                    |                            |                    |                    |
|--------------------|----------------------------|--------------------|--------------------|
| Client:            | CDM Smith                  | Date Collected:    |                    |
| Project:           | South River WM Replacement | Date Received:     |                    |
| Client Sample ID:  | PB168040BL                 | SDG No.:           | Q2032              |
| Lab Sample ID:     | PB168040BL                 | Matrix:            | SOIL               |
| Analytical Method: | 8081B                      | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.01      Units:    g     | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL      |
| Extraction Type:   |                            | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :              |                    |                    |
| Prep Method :      | SW3541B                    |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095716.D        | 1         | 05/16/25 09:25 | 05/16/25 12:42 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 0.13  | U         | 0.13     | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.18  | U         | 0.18     | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.39  | U         | 0.39     | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.12  | U         | 0.12     | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 0.12  | U         | 0.12     | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.19  | U         | 0.19     | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.29  | U         | 0.29     | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.15  | U         | 0.15     | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.13  | U         | 0.13     | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.14  | U         | 0.14     | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.37  | U         | 0.37     | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.19  | U         | 0.19     | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.37  | U         | 0.37     | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.12  | U         | 0.12     | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.15  | U         | 0.15     | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.40  | U         | 5.40     | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 19.3  |           | 20 - 144 | 97%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 16.8  |           | 19 - 148 | 84%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |                    |
|--------------------|----------------------------|--------------------|--------------------|
| Client:            | CDM Smith                  | Date Collected:    |                    |
| Project:           | South River WM Replacement | Date Received:     |                    |
| Client Sample ID:  | PB168040BL                 | SDG No.:           | Q2032              |
| Lab Sample ID:     | PB168040BL                 | Matrix:            | SOIL               |
| Analytical Method: | 8081B                      | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.01      Units:    g     | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL      |
| Extraction Type:   |                            | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :              |                    |                    |
| Prep Method :      | SW3541B                    |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095716.D        | 1         | 05/16/25 09:25 | 05/16/25 12:42 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095716.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 12:42  
 Operator : AR\AJ  
 Sample : PB168040BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB168040BL

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:55:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.598 | 2.906 | 68508864 | 75025789 | 16.767 | 16.017 |
| 28)                         | SA Decachlor... | 9.125 | 8.088 | 65612226 | 71180795 | 19.341 | 17.257 |

Target Compounds

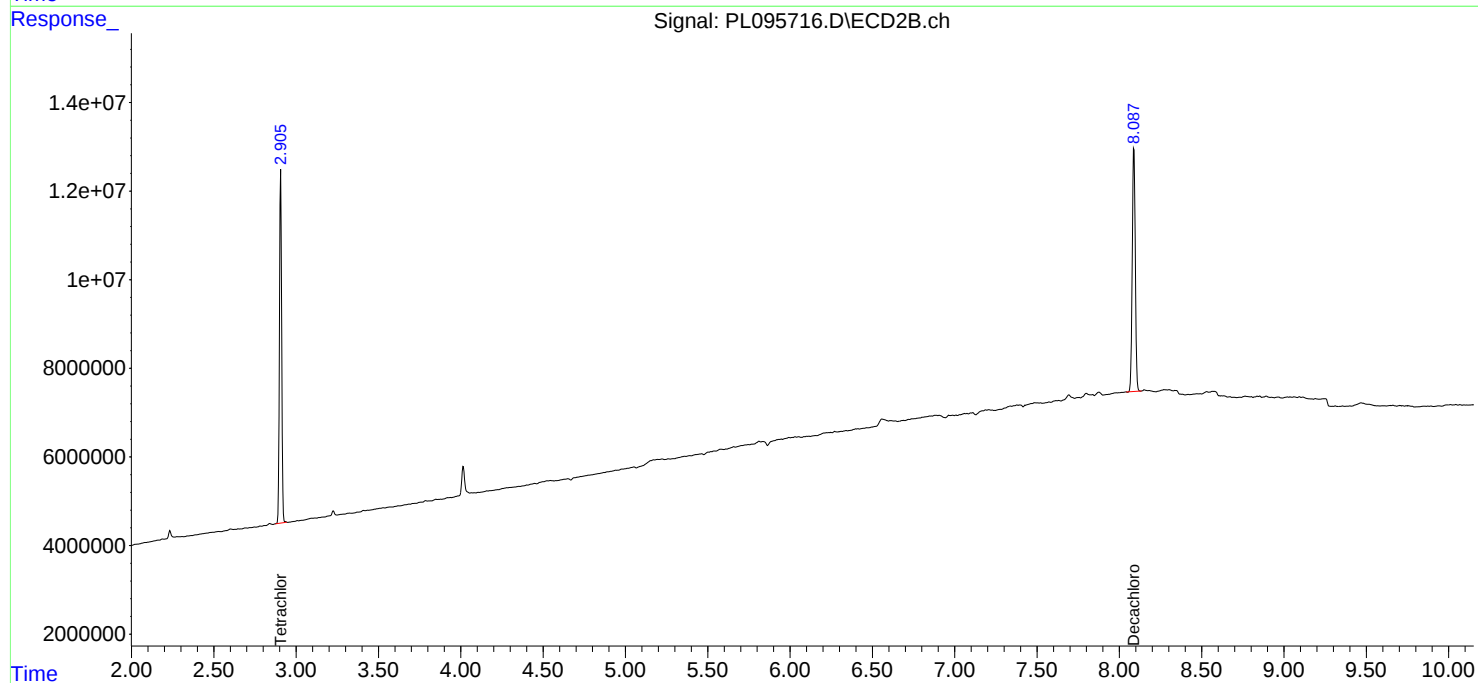
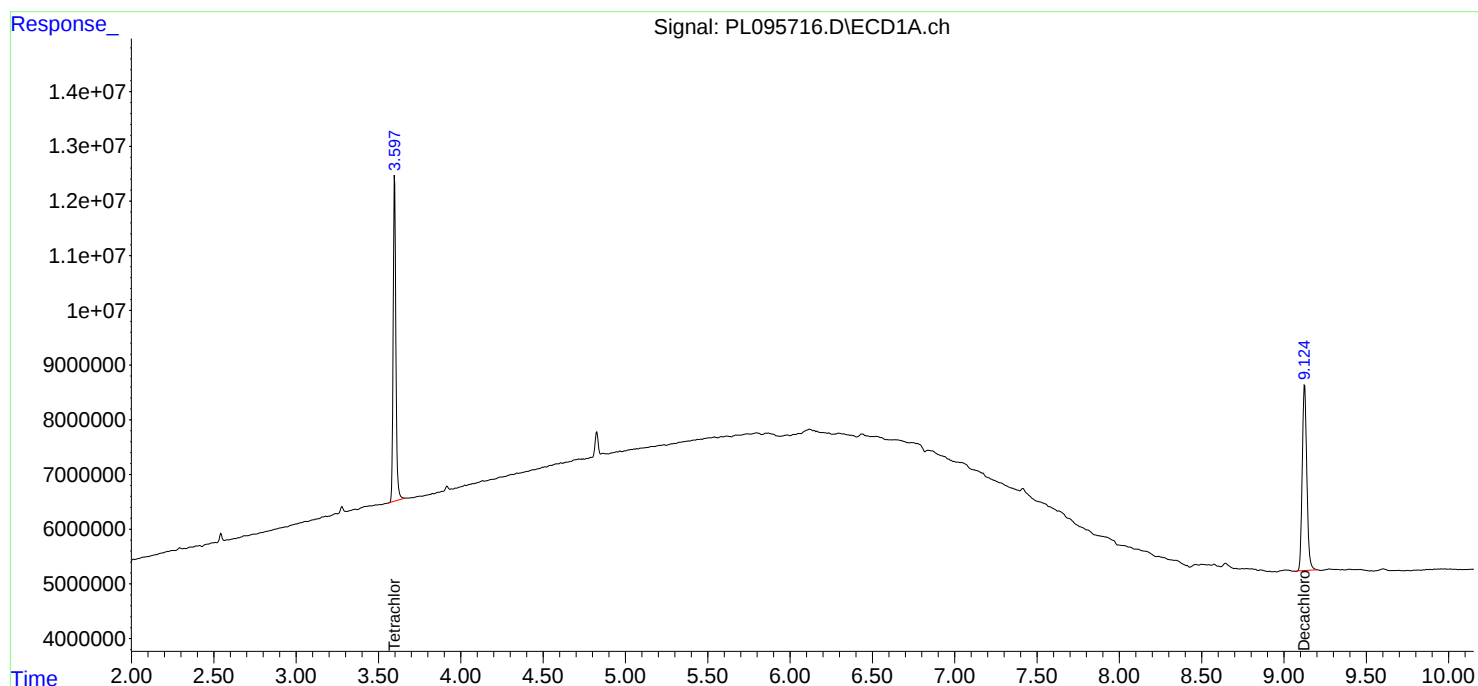
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

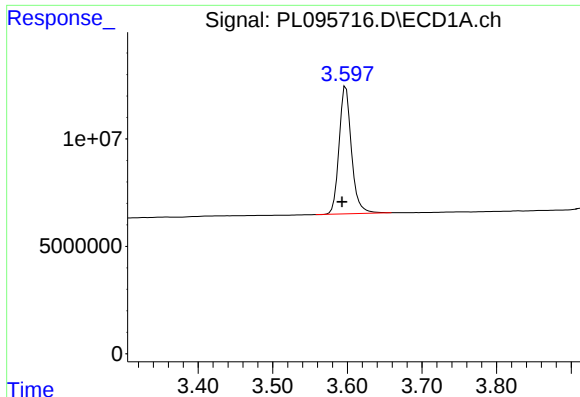
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095716.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 12:42  
Operator : AR\AJ  
Sample : PB168040BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB168040BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:55:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

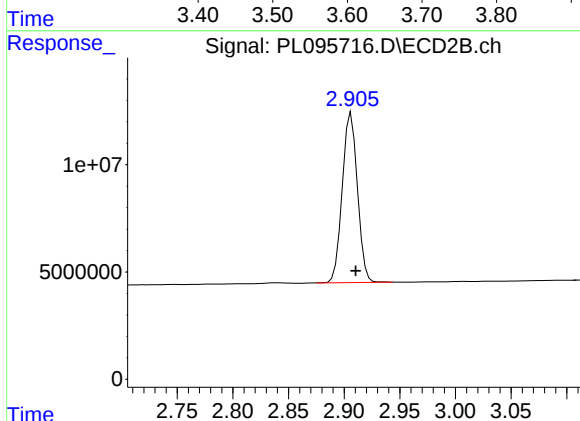




#1 Tetrachloro-m-xylene

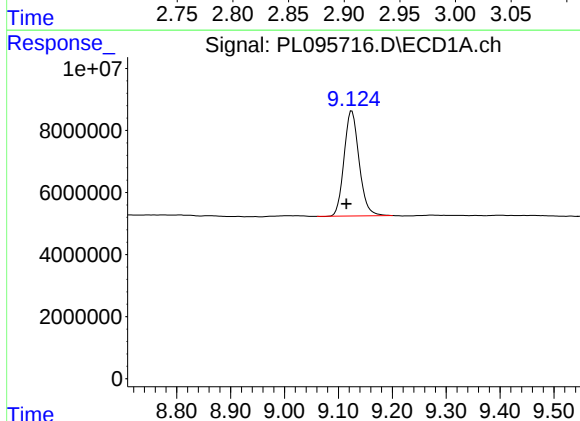
R.T.: 3.598 min  
Delta R.T.: 0.005 min  
Response: 68508864  
Conc: 16.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168040BL



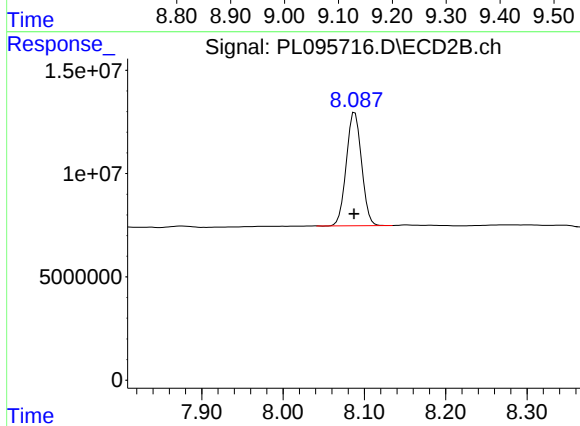
#1 Tetrachloro-m-xylene

R.T.: 2.906 min  
Delta R.T.: -0.004 min  
Response: 75025789  
Conc: 16.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.125 min  
Delta R.T.: 0.010 min  
Response: 65612226  
Conc: 19.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min  
Delta R.T.: 0.001 min  
Response: 71180795  
Conc: 17.26 ng/ml

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25         |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25         |
| Client Sample ID:  | PIBLK-PL095630.D           | SDG No.:           | Q2032            |
| Lab Sample ID:     | I.BLK-PL095630.D           | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095630.D        | 1         |           | 05/13/25      | pl051325      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 19.1   |           | 43 - 140 | 95%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 16.2   |           | 77 - 126 | 81%        | SPK: 20 |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25      |
| Client Sample ID:  | PIBLK-PL095630.D           | SDG No.:           | Q2032         |
| Lab Sample ID:     | I.BLK-PL095630.D           | Matrix:            | WATER         |
| Analytical Method: | 8081B                      | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                       | Units:             | mL            |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | 3510C                      | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095630.D        | 1         |           | 05/13/25      | pl051325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051325\  
 Data File : PL095630.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 11:43  
 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: May 13 14:41:49 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.594 | 2.911 | 65069659 | 75681262 | 15.925 | 16.157 |
| 28) SA Decachlor...         | 9.118 | 8.088 | 64678160 | 75992234 | 19.065 | 18.424 |

Target Compounds

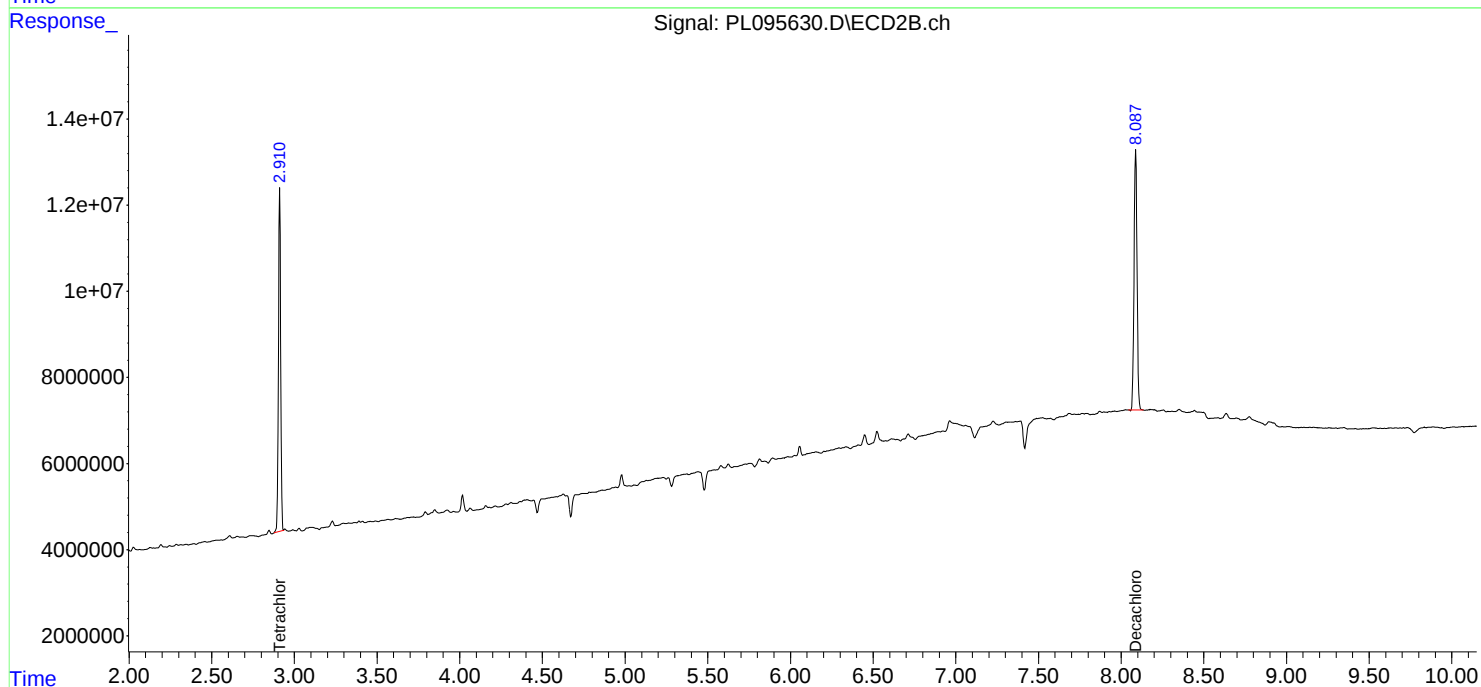
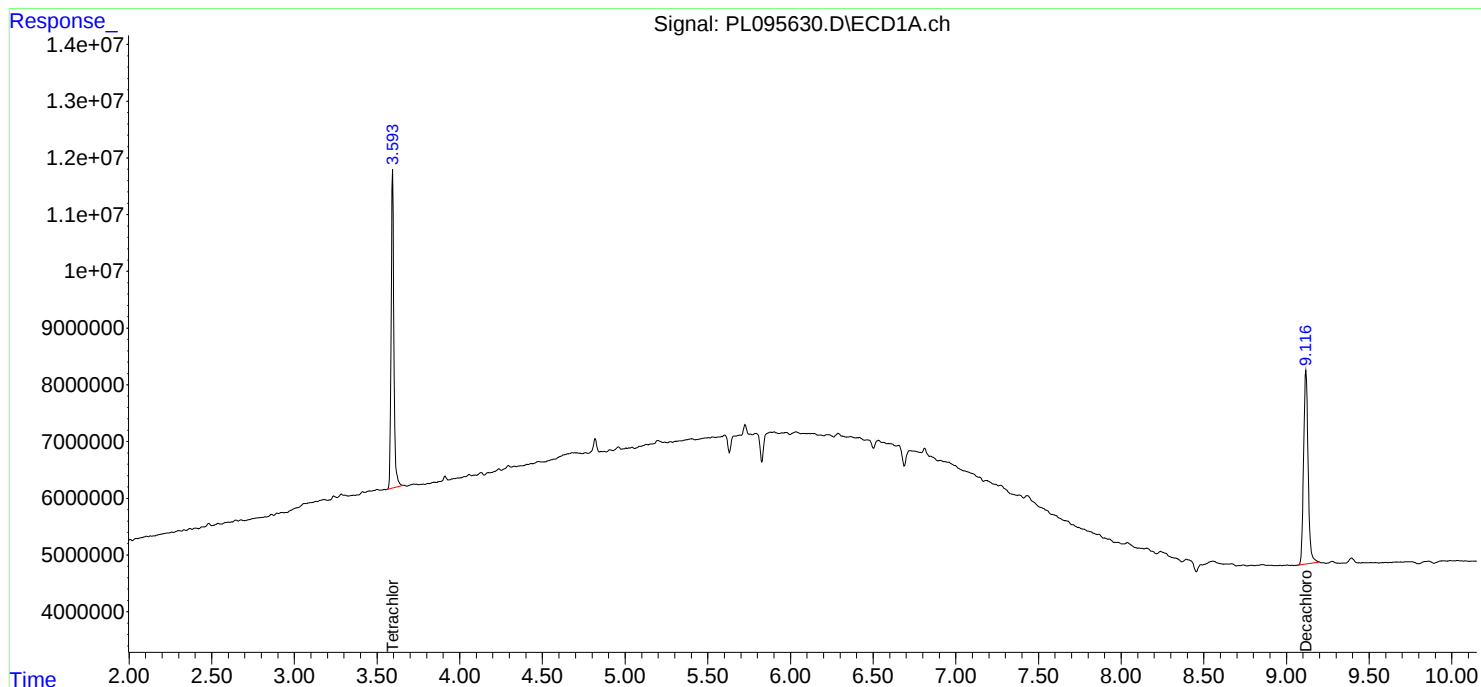
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

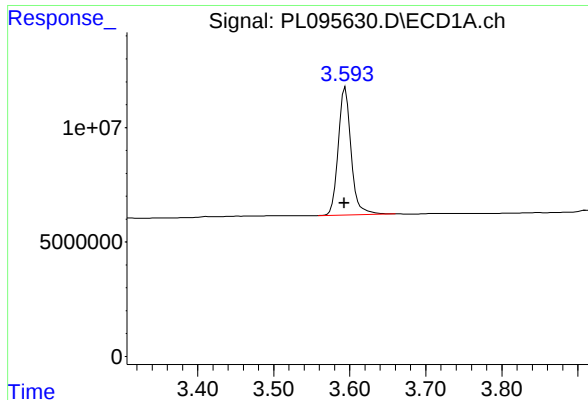
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051325\  
Data File : PL095630.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 May 2025 11:43  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 14:41:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

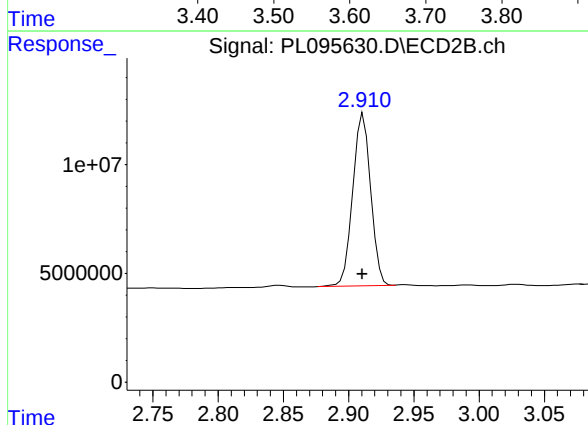




## #1 Tetrachloro-m-xylene

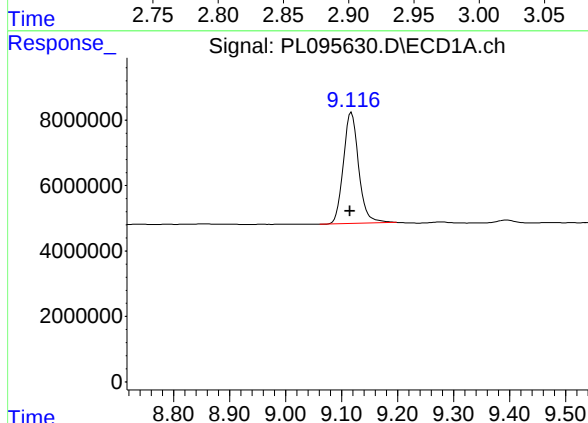
R.T.: 3.594 min  
Delta R.T.: 0.001 min  
Response: 65069659  
Conc: 15.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



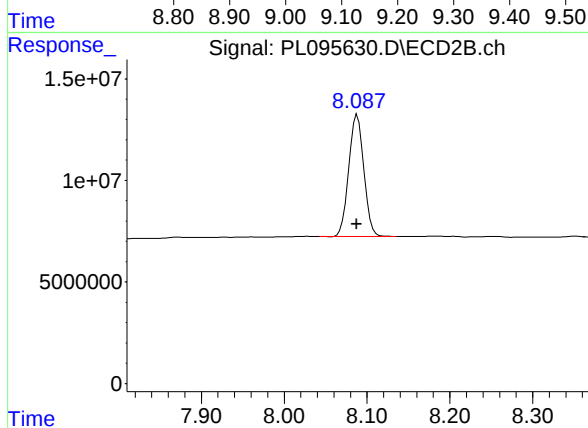
## #1 Tetrachloro-m-xylene

R.T.: 2.911 min  
Delta R.T.: 0.001 min  
Response: 75681262  
Conc: 16.16 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.118 min  
Delta R.T.: 0.002 min  
Response: 64678160  
Conc: 19.07 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.088 min  
Delta R.T.: 0.001 min  
Response: 75992234  
Conc: 18.42 ng/ml

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/14/25         |
| Project:           | South River WM Replacement | Date Received:     | 05/14/25         |
| Client Sample ID:  | PIBLK-PL095666.D           | SDG No.:           | Q2032            |
| Lab Sample ID:     | I.BLK-PL095666.D           | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095666.D        | 1         |           | 05/14/25      | pl051425      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.4   |           | 43 - 140 | 102%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 18.4   |           | 77 - 126 | 92%        | SPK: 20 |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/14/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/14/25      |
| Client Sample ID:  | PIBLK-PL095666.D           | SDG No.:           | Q2032         |
| Lab Sample ID:     | I.BLK-PL095666.D           | Matrix:            | WATER         |
| Analytical Method: | 8081B                      | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                       | Units:             | mL            |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | 3510C                      | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095666.D        | 1         |           | 05/14/25      | pl051425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051425\  
Data File : PL095666.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 16:12  
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: May 15 02:10:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.591 | 2.904 | 75241911 | 76318222 | 18.415 | 16.293 |
| 28) SA Decachlor...         | 9.112 | 8.079 | 69052492 | 72491640 | 20.355 | 17.575 |

Target Compounds

-----

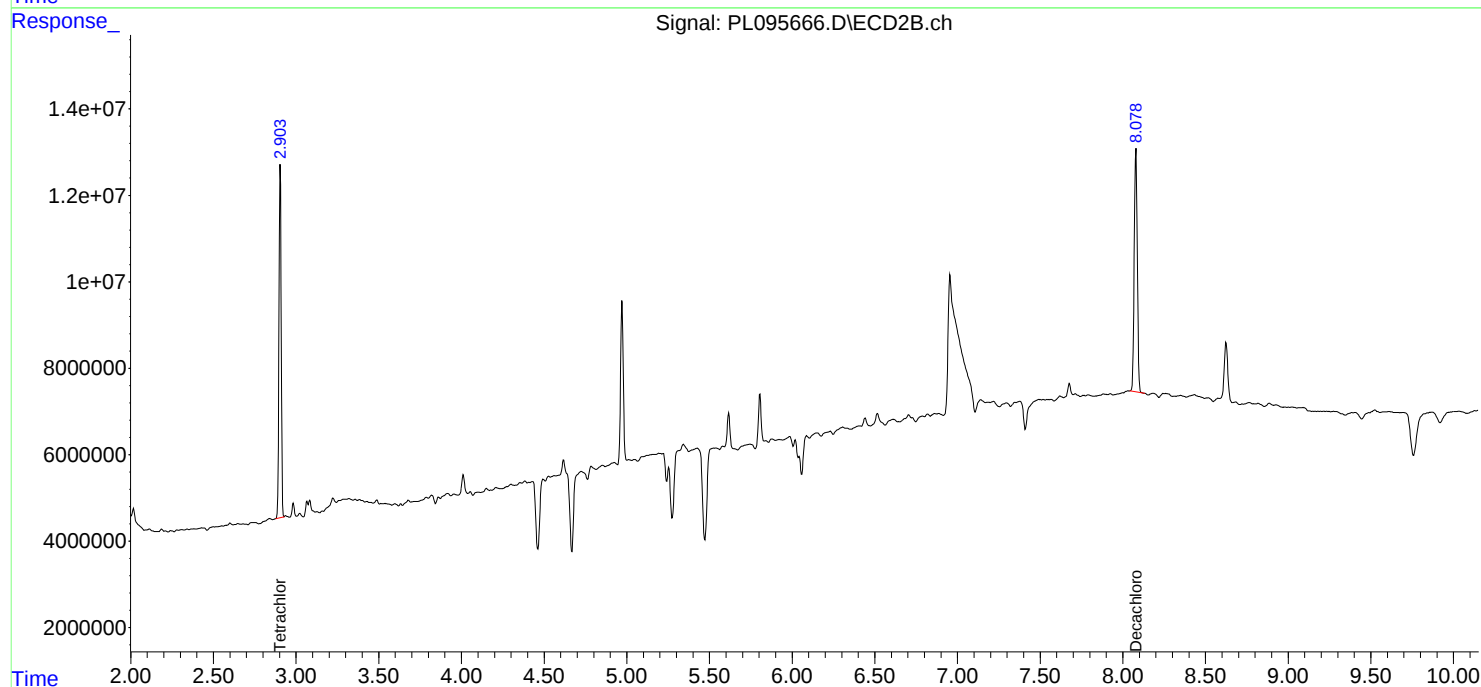
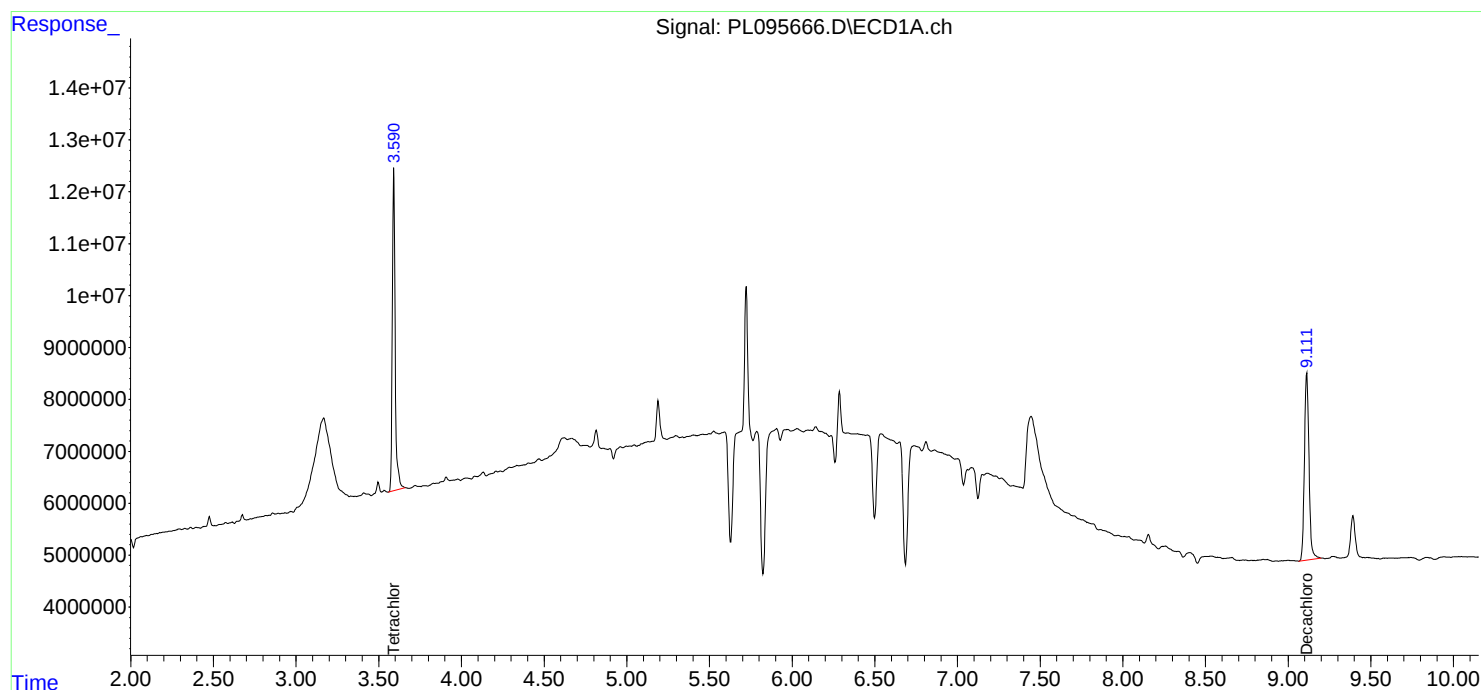
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

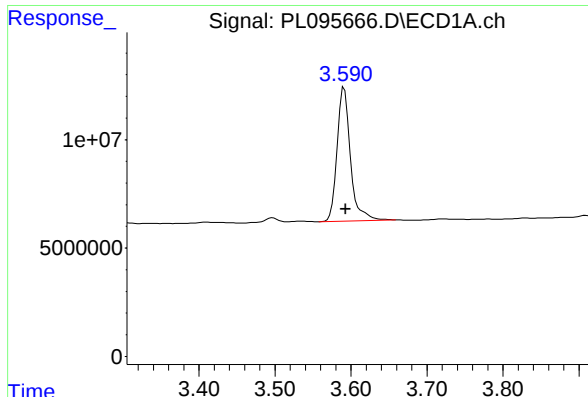
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095666.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 16:12  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:10:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

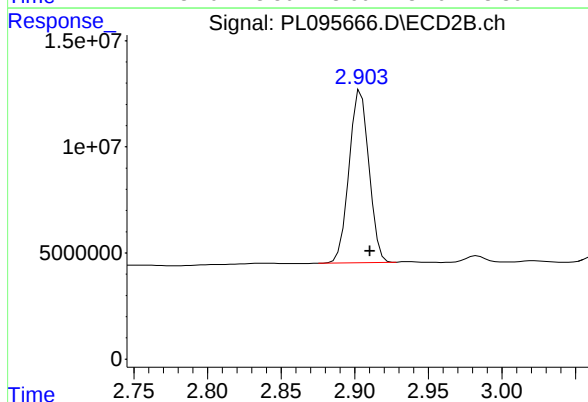




## #1 Tetrachloro-m-xylene

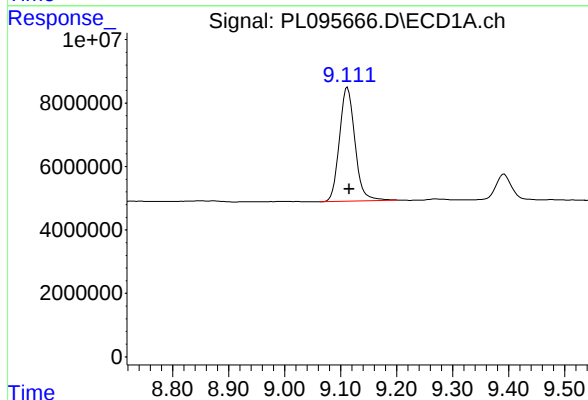
R.T.: 3.591 min  
Delta R.T.: -0.002 min  
Response: 75241911  
Conc: 18.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



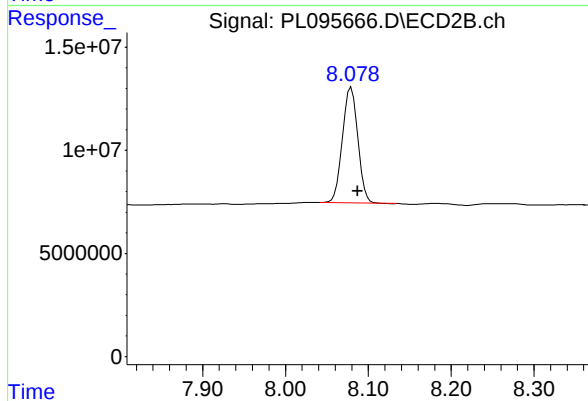
## #1 Tetrachloro-m-xylene

R.T.: 2.904 min  
Delta R.T.: -0.006 min  
Response: 76318222  
Conc: 16.29 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.112 min  
Delta R.T.: -0.003 min  
Response: 69052492  
Conc: 20.35 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.079 min  
Delta R.T.: -0.008 min  
Response: 72491640  
Conc: 17.57 ng/ml

## Report of Analysis

|                    |                            |        |    |                    |               |           |
|--------------------|----------------------------|--------|----|--------------------|---------------|-----------|
| Client:            | CDM Smith                  |        |    | Date Collected:    | 05/14/25      |           |
| Project:           | South River WM Replacement |        |    | Date Received:     | 05/14/25      |           |
| Client Sample ID:  | PIBLK-PL095682.D           |        |    | SDG No.:           | Q2032         |           |
| Lab Sample ID:     | I.BLK-PL095682.D           |        |    | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                      |        |    | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                       | Units: | mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                            |        | uL | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                            |        |    | Injection Volume : |               |           |
| GPC Factor :       | 1.0                        | PH :   |    |                    |               |           |
| Prep Method :      | 3510C                      |        |    |                    |               |           |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|-------------------|-----------|-----------|---------------|---------------|
| PL095682.D        | 1         |           | 05/14/25      | pl051425      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.2   |           | 43 - 140 | 106%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.3   |           | 77 - 126 | 102%       | SPK: 20 |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/14/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/14/25      |
| Client Sample ID:  | PIBLK-PL095682.D           | SDG No.:           | Q2032         |
| Lab Sample ID:     | I.BLK-PL095682.D           | Matrix:            | WATER         |
| Analytical Method: | 8081B                      | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                       | Units:             | mL            |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | 3510C                      | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095682.D        | 1         |           | 05/14/25      | pl051425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051425\  
 Data File : PL095682.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 20:08  
 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 05/15/2025  
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 15 04:01:44 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.610 | 2.907 | 82960280 | 88171842 | 20.304m | 18.824 |
| 28) SA Decachlor...         | 9.133 | 8.082 | 71961701 | 80279677 | 21.212m | 19.463 |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095682.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 20:08  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

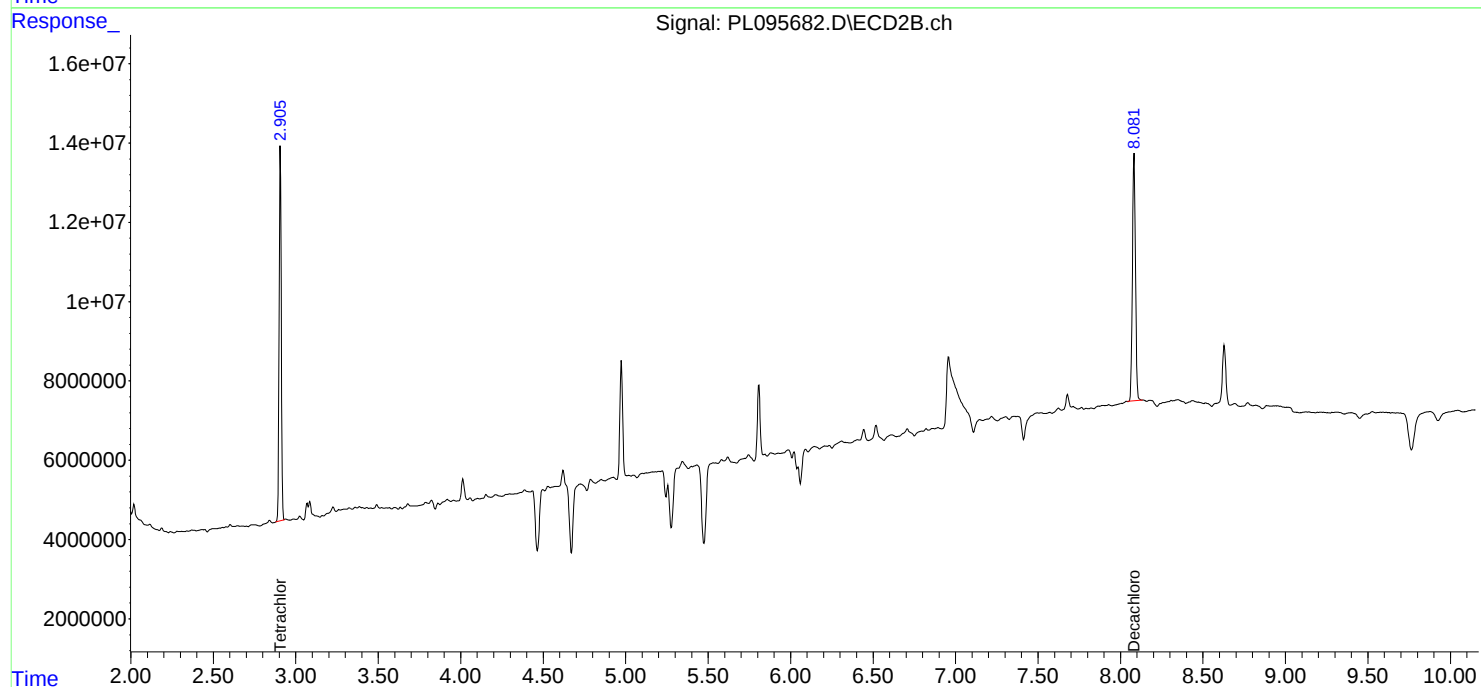
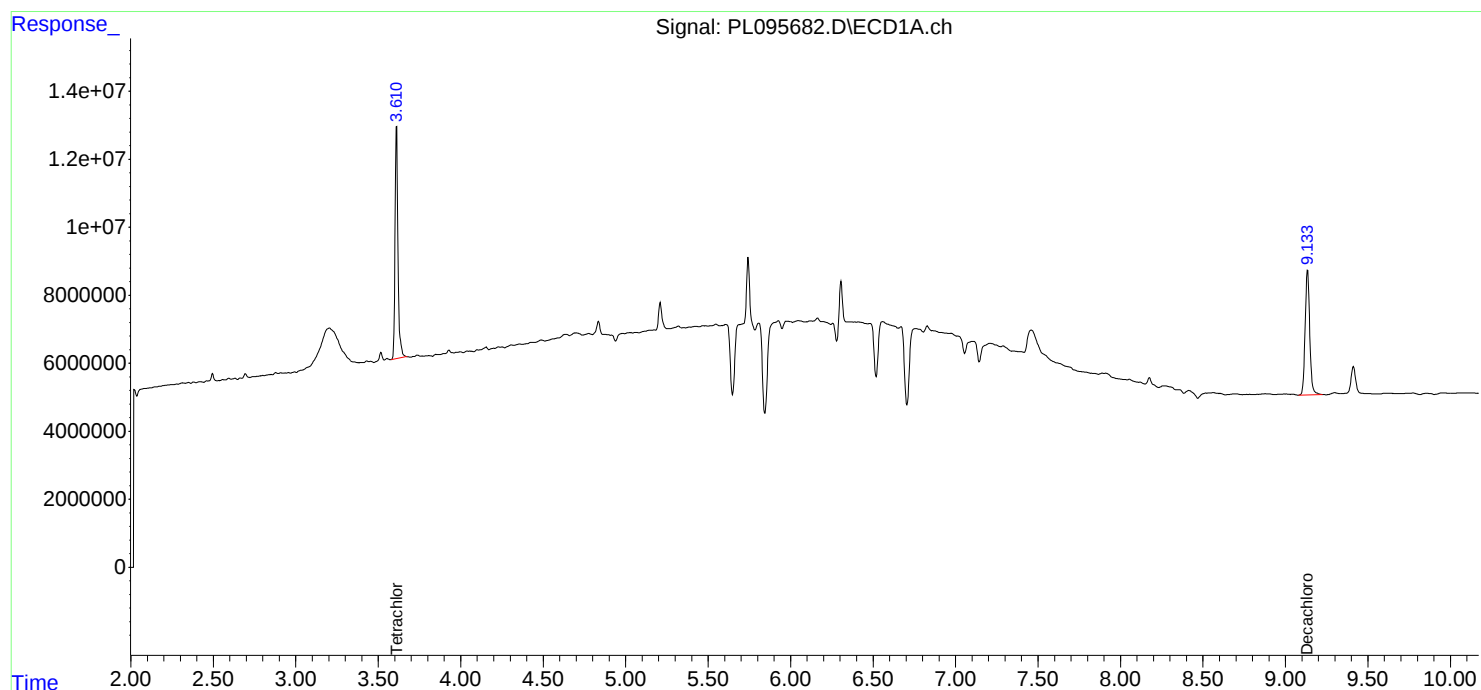
Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

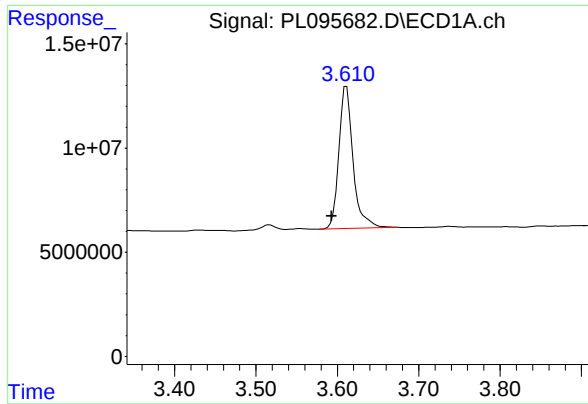
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 05/15/2025  
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 04:01:44 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





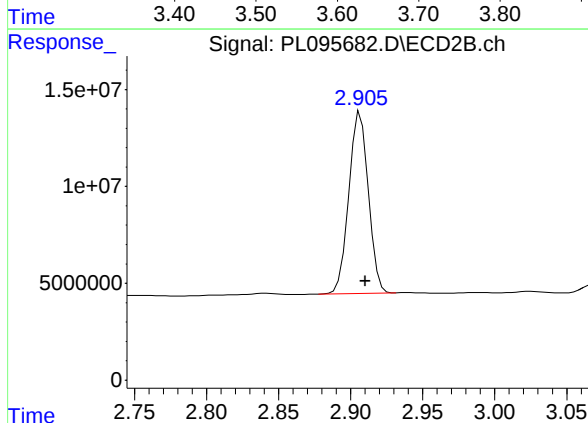
## #1 Tetrachloro-m-xylene

R.T.: 3.610 min  
Delta R.T.: 0.017 min  
Response: 82960280  
Conc: 20.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

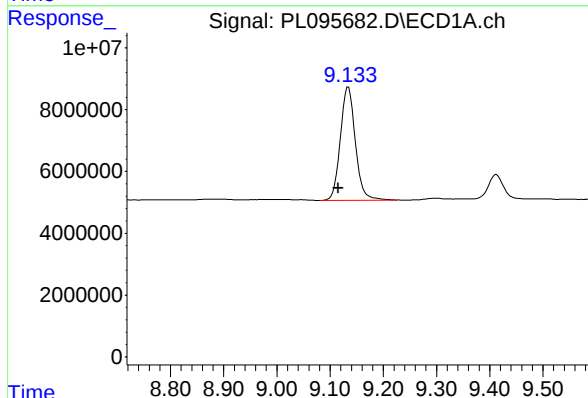
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/15/2025  
Supervised By :mohammad ahmed 05/16/2025



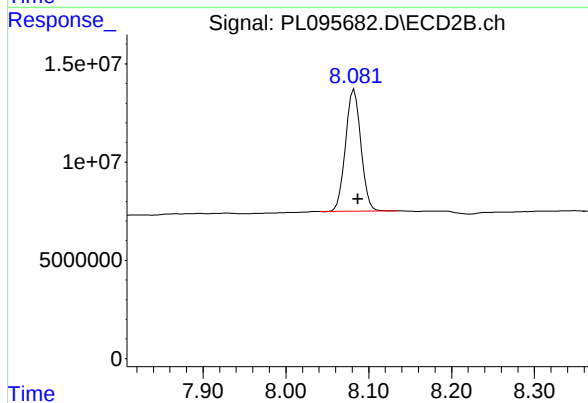
## #1 Tetrachloro-m-xylene

R.T.: 2.907 min  
Delta R.T.: -0.004 min  
Response: 88171842  
Conc: 18.82 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.133 min  
Delta R.T.: 0.018 min  
Response: 71961701  
Conc: 21.21 ng/ml m



## #28 Decachlorobiphenyl

R.T.: 8.082 min  
Delta R.T.: -0.005 min  
Response: 80279677  
Conc: 19.46 ng/ml

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/16/25         |
| Project:           | South River WM Replacement | Date Received:     | 05/16/25         |
| Client Sample ID:  | PIBLK-PL095713.D           | SDG No.:           | Q2032            |
| Lab Sample ID:     | I.BLK-PL095713.D           | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095713.D        | 1         |           | 05/16/25      | pl051625      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.6   |           | 43 - 140 | 108%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.0   |           | 77 - 126 | 95%        | SPK: 20 |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/16/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/16/25      |
| Client Sample ID:  | PIBLK-PL095713.D           | SDG No.:           | Q2032         |
| Lab Sample ID:     | I.BLK-PL095713.D           | Matrix:            | WATER         |
| Analytical Method: | 8081B                      | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                       | Units:             | mL            |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | 3510C                      | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095713.D        | 1         |           | 05/16/25      | pl051625      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
Data File : PL095713.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 10:12  
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: May 17 01:54:56 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.593 | 2.909 | 77703479 | 79614973 | 19.017 | 16.997 |
| 28)                         | SA Decachlor... | 9.118 | 8.087 | 73139401 | 80094870 | 21.560 | 19.418 |

Target Compounds

-----

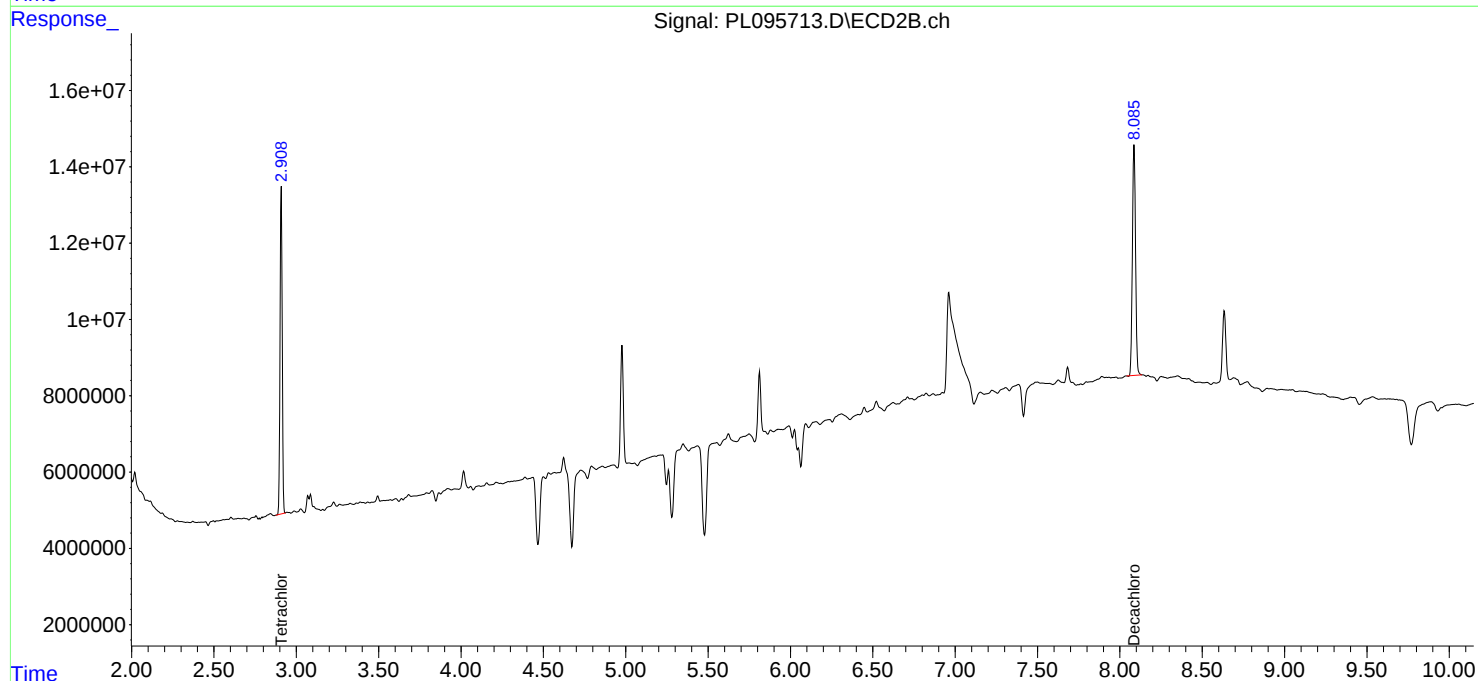
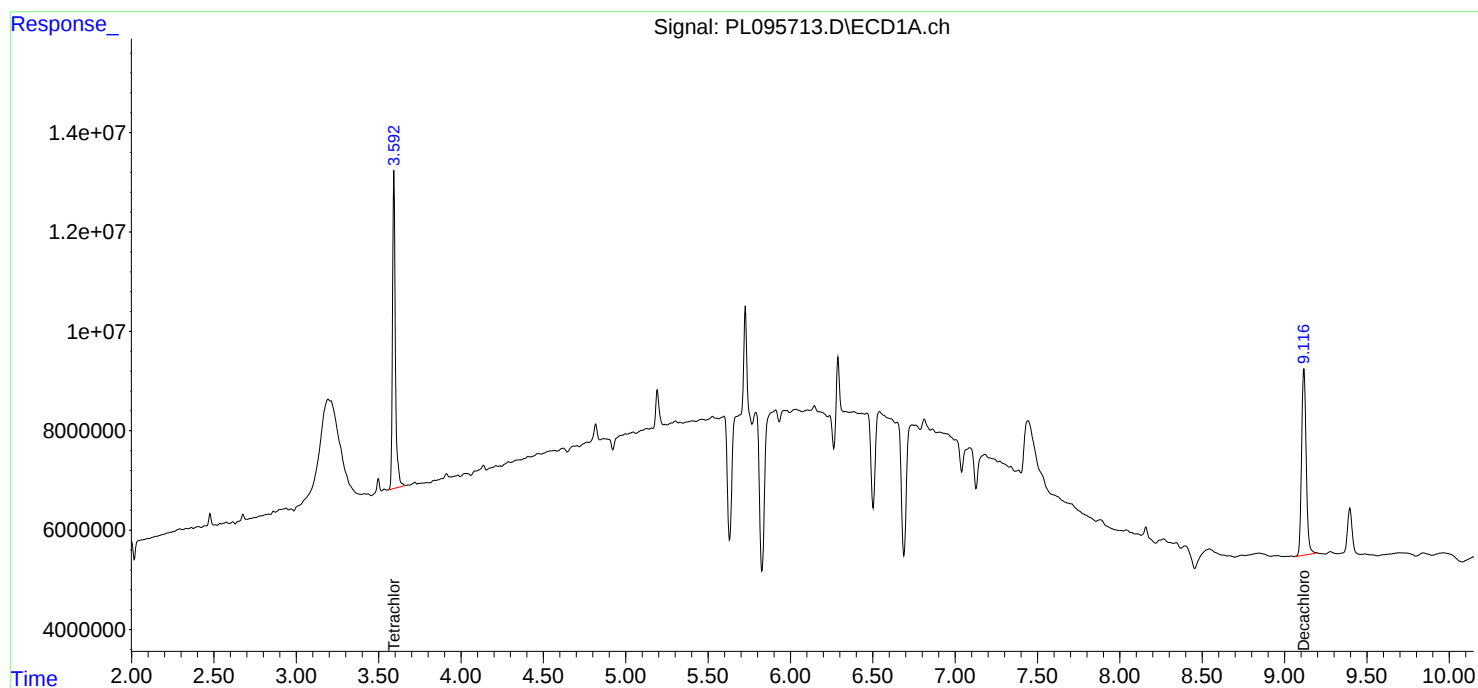
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

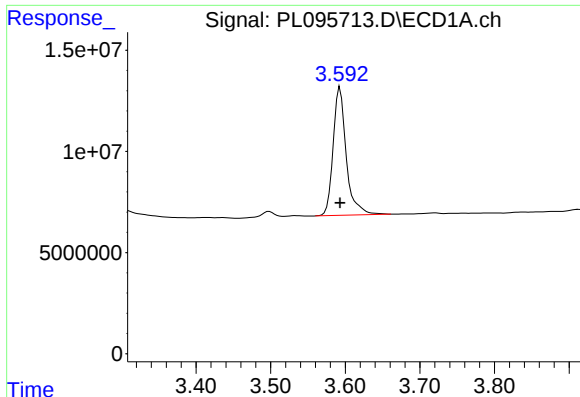
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095713.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 10:12  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:54:56 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

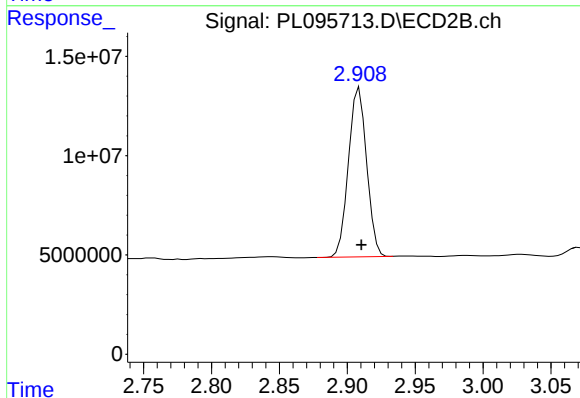




#1 Tetrachloro-m-xylene

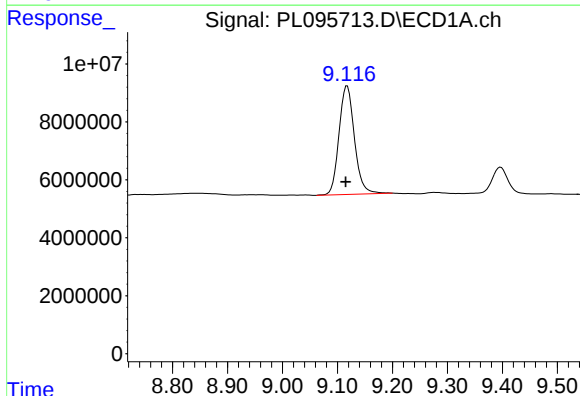
R.T.: 3.593 min  
Delta R.T.: 0.000 min  
Response: 77703479  
Conc: 19.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK



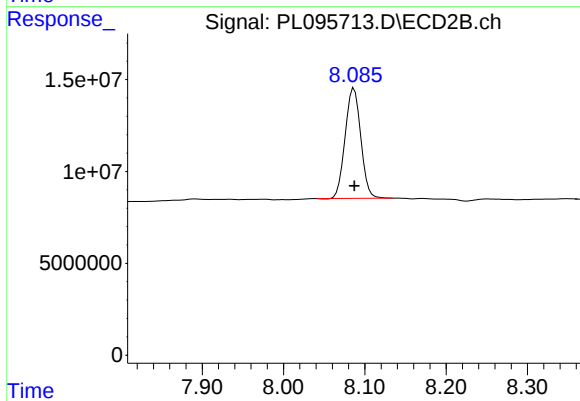
#1 Tetrachloro-m-xylene

R.T.: 2.909 min  
Delta R.T.: -0.002 min  
Response: 79614973  
Conc: 17.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min  
Delta R.T.: 0.002 min  
Response: 73139401  
Conc: 21.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.087 min  
Delta R.T.: 0.000 min  
Response: 80094870  
Conc: 19.42 ng/ml

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/16/25         |
| Project:           | South River WM Replacement | Date Received:     | 05/16/25         |
| Client Sample ID:  | PIBLK-PL095729.D           | SDG No.:           | Q2032            |
| Lab Sample ID:     | I.BLK-PL095729.D           | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095729.D        | 1         |           | 05/16/25      | pl051625      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.0049 | U         | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0027 | U         | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U         | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0031 | U         | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0036 | U         | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0032 | U         | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0079 | U         | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0071 | U         | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U         | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0093 | U         | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U         | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U         | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U         | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17   | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.4   |           | 43 - 140 | 107%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 19.1   |           | 77 - 126 | 95%        | SPK: 20 |

## Report of Analysis

|                    |                            |                    |               |
|--------------------|----------------------------|--------------------|---------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/16/25      |
| Project:           | South River WM Replacement | Date Received:     | 05/16/25      |
| Client Sample ID:  | PIBLK-PL095729.D           | SDG No.:           | Q2032         |
| Lab Sample ID:     | I.BLK-PL095729.D           | Matrix:            | WATER         |
| Analytical Method: | 8081B                      | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                       | Units:             | mL            |
| Soil Aliquot Vol:  |                            |                    | uL            |
| Extraction Type:   |                            | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                        | PH :               |               |
| Prep Method :      | 3510C                      | Injection Volume : |               |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL095729.D        | 1         |           | 05/16/25      | pl051625      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
Data File : PL095729.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 15:41  
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 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:57:30 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|---------|
| -----                       |                 |       |       |          |          |        |         |
| System Monitoring Compounds |                 |       |       |          |          |        |         |
| 1)                          | SA Tetrachlo... | 3.591 | 2.906 | 77988938 | 86734357 | 19.087 | 18.517m |
| 28)                         | SA Decachlor... | 9.114 | 8.085 | 72651882 | 85251060 | 21.416 | 20.668  |

Target Compounds

-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095729.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 15:41  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

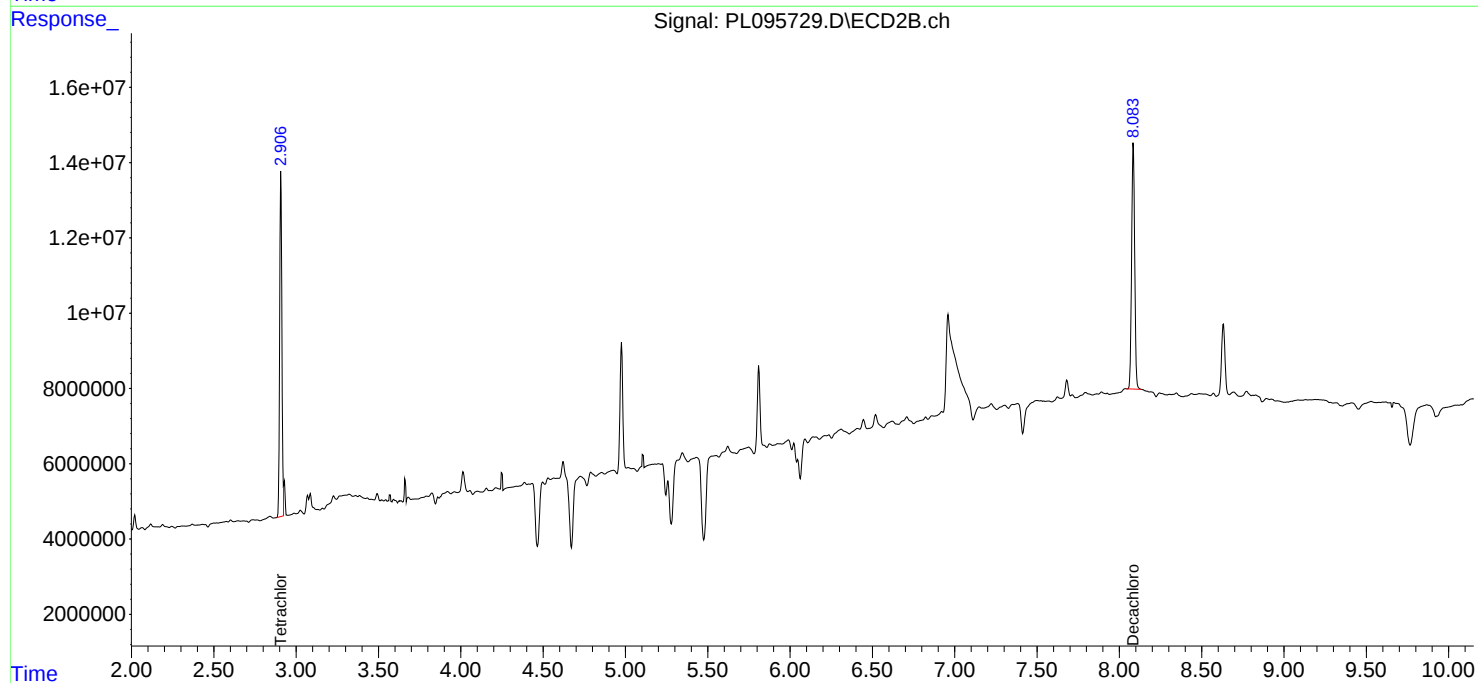
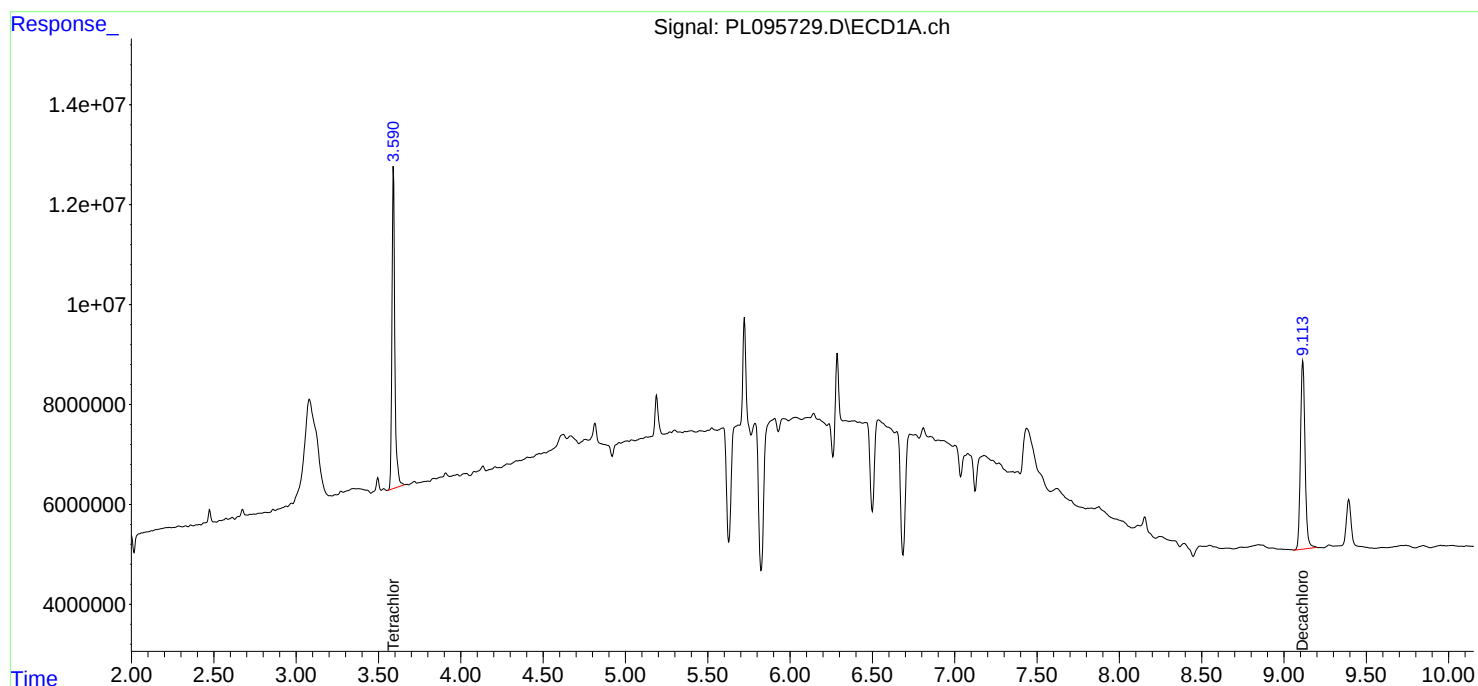
Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

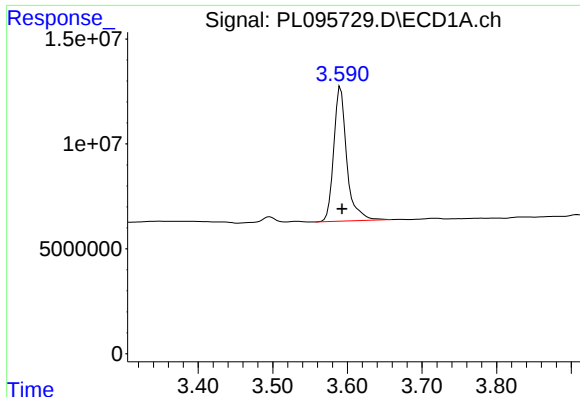
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:57:30 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





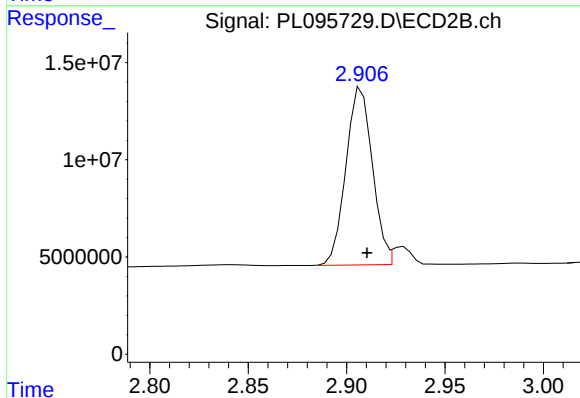
## #1 Tetrachloro-m-xylene

R.T.: 3.591 min  
Delta R.T.: -0.002 min  
Response: 77988938  
Conc: 19.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
I.BLK

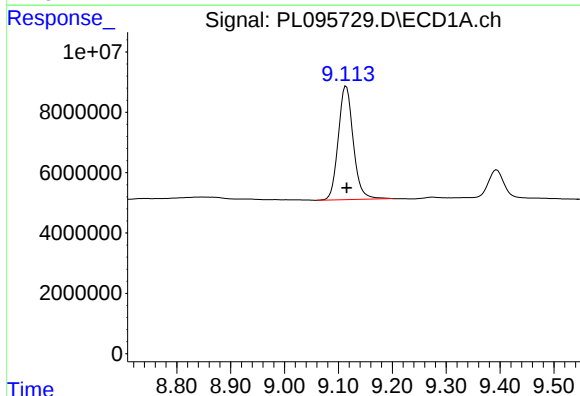
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2025  
Supervised By :mohammad ahmed 05/20/2025



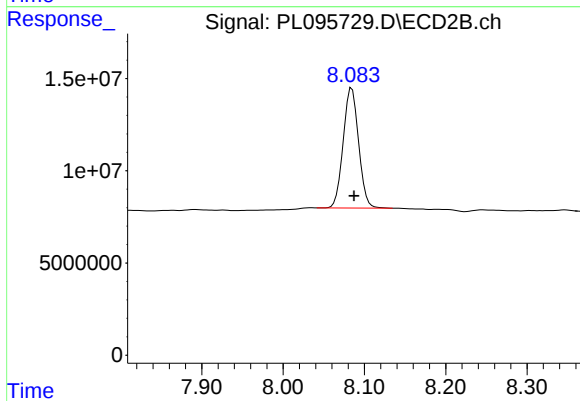
## #1 Tetrachloro-m-xylene

R.T.: 2.906 min  
Delta R.T.: -0.004 min  
Response: 86734357  
Conc: 18.52 ng/ml m



## #28 Decachlorobiphenyl

R.T.: 9.114 min  
Delta R.T.: 0.000 min  
Response: 72651882  
Conc: 21.42 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.085 min  
Delta R.T.: -0.003 min  
Response: 85251060  
Conc: 20.67 ng/ml

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    |                  |
| Project:           | South River WM Replacement | Date Received:     |                  |
| Client Sample ID:  | PB168004BS                 | SDG No.:           | Q2032            |
| Lab Sample ID:     | PB168004BS                 | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095669.D        | 1         | 05/14/25 09:06 | 05/14/25 16:55 | PB168004      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.51  |           | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.50  |           | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.51  |           | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.51  |           | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.50  |           | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.52  |           | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.51  |           | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.53  |           | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.53  |           | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.54  |           | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.50  |           | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.51  |           | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.53  |           | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.53  |           | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.51  |           | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.48  |           | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.53  |           | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.53  |           | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.53  |           | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.52  |           | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17  | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.1  |           | 43 - 140 | 106%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.1  |           | 77 - 126 | 100%       | SPK: 20 |

## Report of Analysis

|                    |                            |           |                    |               |           |
|--------------------|----------------------------|-----------|--------------------|---------------|-----------|
| Client:            | CDM Smith                  |           | Date Collected:    |               |           |
| Project:           | South River WM Replacement |           | Date Received:     |               |           |
| Client Sample ID:  | PB168004BS                 |           | SDG No.:           | Q2032         |           |
| Lab Sample ID:     | PB168004BS                 |           | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                      |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                       | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                            | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                            |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                        | PH :      |                    |               |           |
| Prep Method :      | 3510C                      |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095669.D        | 1         | 05/14/25 09:06 | 05/14/25 16:55 | PB168004      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051425\  
 Data File : PL095669.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 16:55  
 Operator : AR\AJ  
 Sample : PB168004BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB168004BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 15 02:10:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.592 | 2.905 | 82092645 | 88630308 | 20.091 | 18.922 |
| 28)                         | SA Decachlor... | 9.112 | 8.080 | 71624998 | 83402540 | 21.113 | 20.220 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 4.042 | 3.414 | 300.8E6  | 334.5E6  | 51.403 | 46.768 |
| 3)                          | MA gamma-BHC... | 4.373 | 3.747 | 284.7E6  | 314.3E6  | 51.154 | 46.538 |
| 4)                          | MA Heptachlor   | 4.970 | 4.100 | 274.1E6  | 290.3E6  | 50.337 | 44.499 |
| 5)                          | MB Aldrin       | 5.313 | 4.385 | 299.1E6  | 296.4E6  | 52.081 | 46.475 |
| 6)                          | B beta-BHC      | 4.558 | 4.041 | 122.9E6  | 135.9E6  | 50.175 | 45.041 |
| 7)                          | B delta-BHC     | 4.807 | 4.277 | 278.2E6  | 316.5E6  | 51.199 | 46.502 |
| 8)                          | B Heptachlo...  | 5.733 | 4.888 | 262.9E6  | 270.2E6  | 50.729 | 46.752 |
| 9)                          | A Endosulfan I  | 6.116 | 5.261 | 260.0E6  | 257.1E6  | 53.110 | 49.704 |
| 10)                         | B gamma-Chl...  | 5.987 | 5.141 | 279.6E6  | 278.2E6  | 52.219 | 46.712 |
| 11)                         | B alpha-Chl...  | 6.068 | 5.205 | 274.9E6  | 273.2E6  | 52.887 | 46.283 |
| 12)                         | B 4,4'-DDE      | 6.237 | 5.391 | 275.3E6  | 279.7E6  | 53.775 | 46.874 |
| 13)                         | MA Dieldrin     | 6.389 | 5.526 | 260.4E6  | 289.2E6  | 52.835 | 46.997 |
| 14)                         | MA Endrin       | 6.616 | 5.800 | 192.2E6  | 240.3E6  | 50.178 | 45.105 |
| 15)                         | B Endosulfa...  | 6.828 | 6.091 | 214.0E6  | 254.2E6  | 51.343 | 46.417 |
| 16)                         | A 4,4'-DDD      | 6.746 | 5.942 | 204.3E6  | 251.9E6  | 52.589 | 48.983 |
| 17)                         | MA 4,4'-DDT     | 7.062 | 6.196 | 181.9E6  | 220.3E6  | 50.546 | 43.890 |
| 18)                         | B Endrin al...  | 6.957 | 6.269 | 156.7E6  | 186.0E6  | 53.382 | 48.585 |
| 19)                         | B Endosulfa...  | 7.191 | 6.492 | 192.9E6  | 233.3E6  | 52.547 | 46.917 |
| 20)                         | A Methoxychlor  | 7.532 | 6.766 | 81559521 | 115.1E6  | 48.373 | 42.551 |
| 21)                         | B Endrin ke...  | 7.672 | 6.998 | 199.2E6  | 282.4E6  | 53.176 | 48.063 |
| 22)                         | Mirex           | 8.154 | 7.193 | 153.6E6  | 197.2E6  | 50.449 | 45.737 |

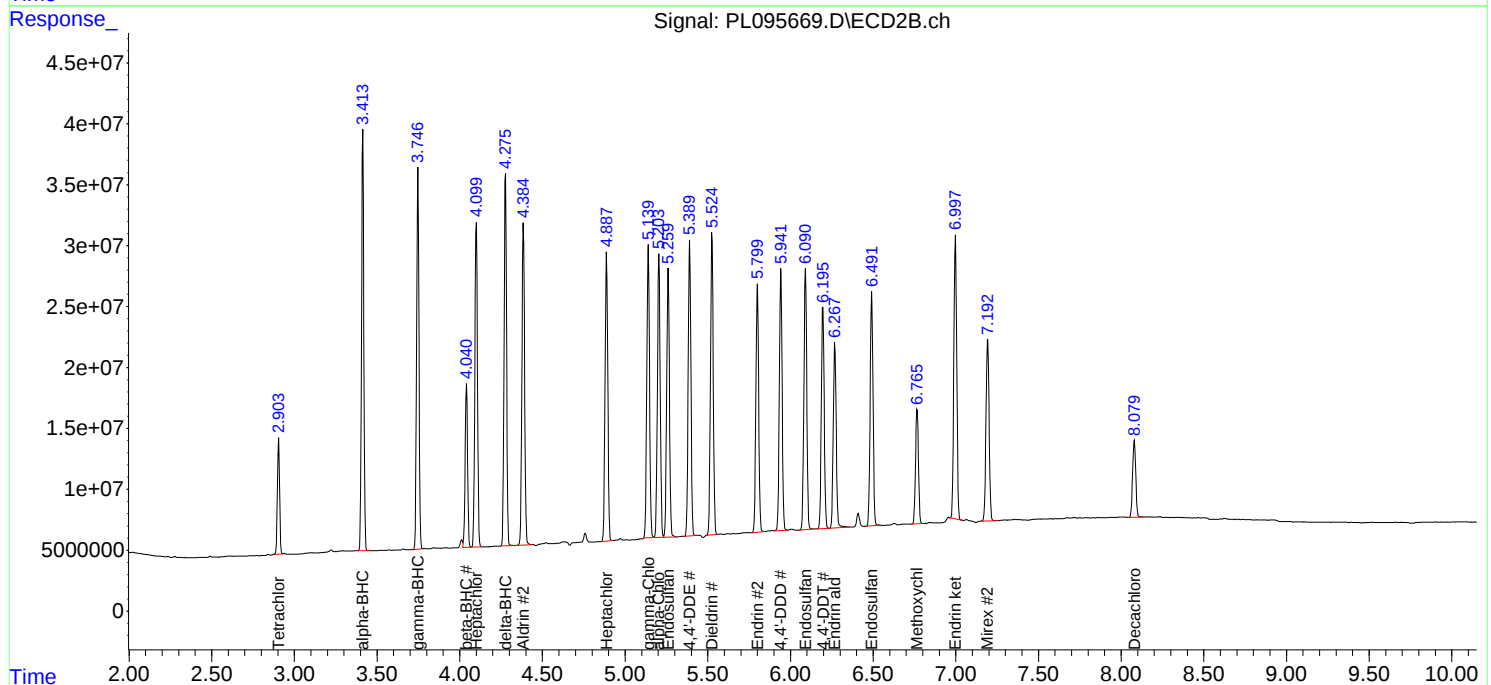
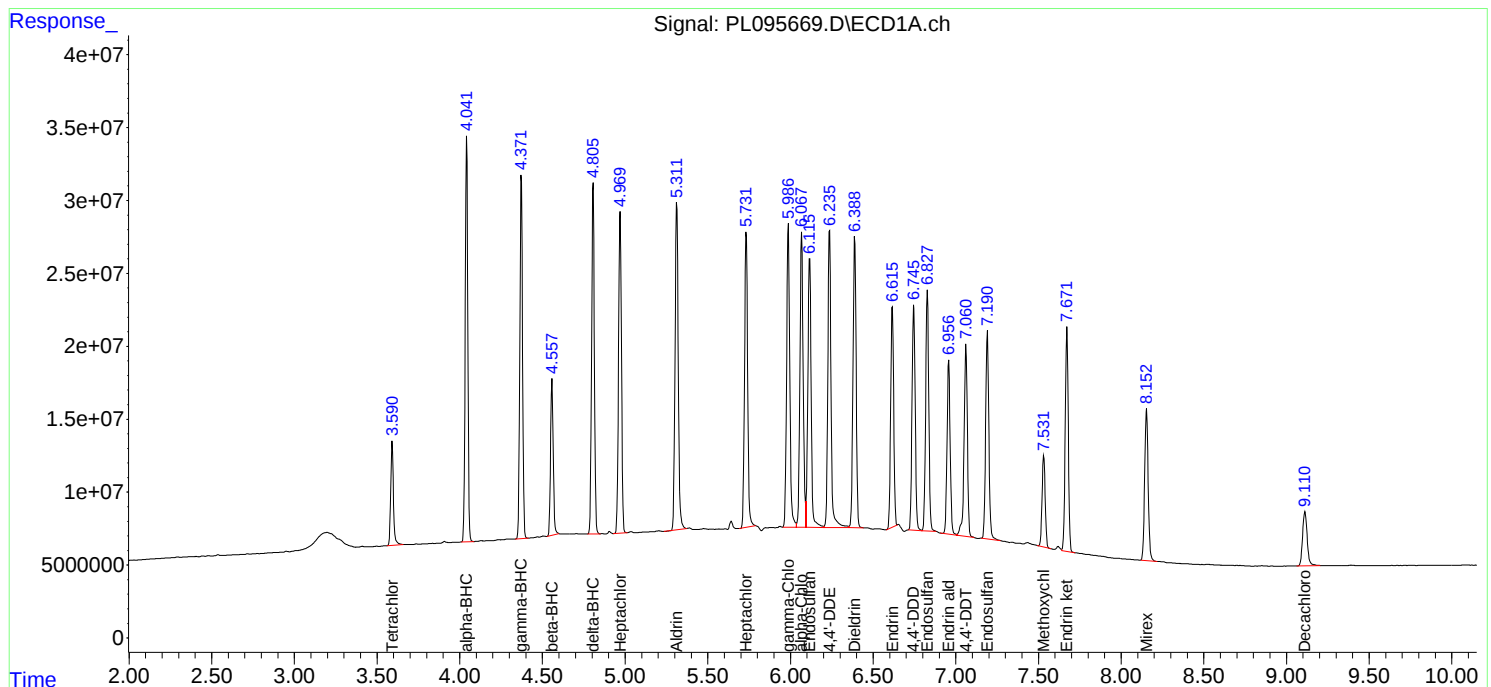
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095669.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 16:55  
Operator : AR\AJ  
Sample : PB168004BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB168004BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:10:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



## Report of Analysis

|                    |                            |                    |                    |
|--------------------|----------------------------|--------------------|--------------------|
| Client:            | CDM Smith                  | Date Collected:    |                    |
| Project:           | South River WM Replacement | Date Received:     |                    |
| Client Sample ID:  | PB168040BS                 | SDG No.:           | Q2032              |
| Lab Sample ID:     | PB168040BS                 | Matrix:            | SOIL               |
| Analytical Method: | 8081B                      | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.02      Units:    g     | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL      |
| Extraction Type:   |                            | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :              |                    |                    |
| Prep Method :      | SW3541B                    |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095717.D        | 1         | 05/16/25 09:25 | 05/16/25 12:56 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 15.2  |           | 0.13     | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 15.3  |           | 0.18     | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 15.3  |           | 0.39     | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 15.2  |           | 0.14     | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 14.9  |           | 0.12     | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 15.3  |           | 0.12     | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 15.0  |           | 0.19     | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 15.8  |           | 0.14     | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 15.2  |           | 0.14     | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 16.1  |           | 0.14     | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 15.8  |           | 0.14     | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 15.0  |           | 0.29     | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 15.0  |           | 0.15     | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 15.3  |           | 0.13     | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 15.9  |           | 0.14     | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 15.7  |           | 0.37     | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 15.1  |           | 0.19     | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 15.1  |           | 0.37     | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 15.6  |           | 0.12     | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 15.3  |           | 0.15     | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.40  | U         | 5.40     | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 19.1  |           | 20 - 144 | 96%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 17.4  |           | 19 - 148 | 87%        | SPK: 20           |

## Report of Analysis

|                    |                            |          |                    |               |           |
|--------------------|----------------------------|----------|--------------------|---------------|-----------|
| Client:            | CDM Smith                  |          | Date Collected:    |               |           |
| Project:           | South River WM Replacement |          | Date Received:     |               |           |
| Client Sample ID:  | PB168040BS                 |          | SDG No.:           | Q2032         |           |
| Lab Sample ID:     | PB168040BS                 |          | Matrix:            | SOIL          |           |
| Analytical Method: | 8081B                      |          | % Solid:           | 100           | Decanted: |
| Sample Wt/Vol:     | 30.02                      | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                            | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                            |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                        | PH :     |                    |               |           |
| Prep Method :      | SW3541B                    |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095717.D        | 1         | 05/16/25 09:25 | 05/16/25 12:56 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095717.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 12:56  
 Operator : AR\AJ  
 Sample : PB168040BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB168040BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:55:35 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.594 | 2.910 | 71191830 | 78988775 | 17.423 | 16.863 |
| 28)                         | SA Decachlor... | 9.118 | 8.086 | 64839102 | 72709730 | 19.113 | 17.628 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 4.045 | 3.419 | 266.5E6  | 305.8E6  | 45.551 | 42.755 |
| 3)                          | MA gamma-BHC... | 4.376 | 3.753 | 254.0E6  | 290.1E6  | 45.627 | 42.967 |
| 4)                          | MA Heptachlor   | 4.973 | 4.106 | 243.3E6  | 277.6E6  | 44.673 | 42.553 |
| 5)                          | MB Aldrin       | 5.315 | 4.391 | 263.6E6  | 274.9E6  | 45.891 | 43.095 |
| 6)                          | B beta-BHC      | 4.561 | 4.047 | 112.8E6  | 129.0E6  | 46.041 | 42.759 |
| 7)                          | B delta-BHC     | 4.809 | 4.283 | 249.9E6  | 295.9E6  | 46.001 | 43.478 |
| 8)                          | B Heptachlo...  | 5.736 | 4.894 | 233.0E6  | 252.6E6  | 44.968 | 43.707 |
| 9)                          | A Endosulfan I  | 6.119 | 5.267 | 225.2E6  | 244.6E6  | 46.008 | 47.291 |
| 10)                         | B gamma-Chl...  | 5.990 | 5.146 | 246.6E6  | 262.9E6  | 46.051 | 44.136 |
| 11)                         | B alpha-Chl...  | 6.071 | 5.211 | 243.8E6  | 257.4E6  | 46.904 | 43.617 |
| 12)                         | B 4,4'-DDE      | 6.240 | 5.397 | 247.8E6  | 265.2E6  | 48.413 | 44.440 |
| 13)                         | MA Dieldrin     | 6.392 | 5.532 | 224.3E6  | 272.1E6  | 45.514 | 44.216 |
| 14)                         | MA Endrin       | 6.619 | 5.807 | 181.2E6  | 243.4E6  | 47.294 | 45.694 |
| 15)                         | B Endosulfa...  | 6.831 | 6.097 | 187.3E6  | 236.7E6  | 44.935 | 43.222 |
| 16)                         | A 4,4'-DDD      | 6.749 | 5.949 | 175.0E6  | 229.6E6  | 45.028 | 44.651 |
| 17)                         | MA 4,4'-DDT     | 7.064 | 6.203 | 172.1E6  | 227.4E6  | 47.823 | 45.313 |
| 18)                         | B Endrin al...  | 6.960 | 6.275 | 133.1E6  | 169.7E6  | 45.321 | 44.313 |
| 19)                         | B Endosulfa...  | 7.194 | 6.498 | 168.9E6  | 215.4E6  | 46.005 | 43.333 |
| 20)                         | A Methoxychlor  | 7.536 | 6.772 | 79386909 | 120.5E6  | 47.085 | 44.521 |
| 21)                         | B Endrin ke...  | 7.676 | 7.004 | 169.3E6  | 251.9E6  | 45.185 | 42.866 |
| 22)                         | Mirex           | 8.157 | 7.200 | 136.0E6  | 181.0E6  | 44.679 | 41.983 |
| -----                       |                 |       |       |          |          |        |        |

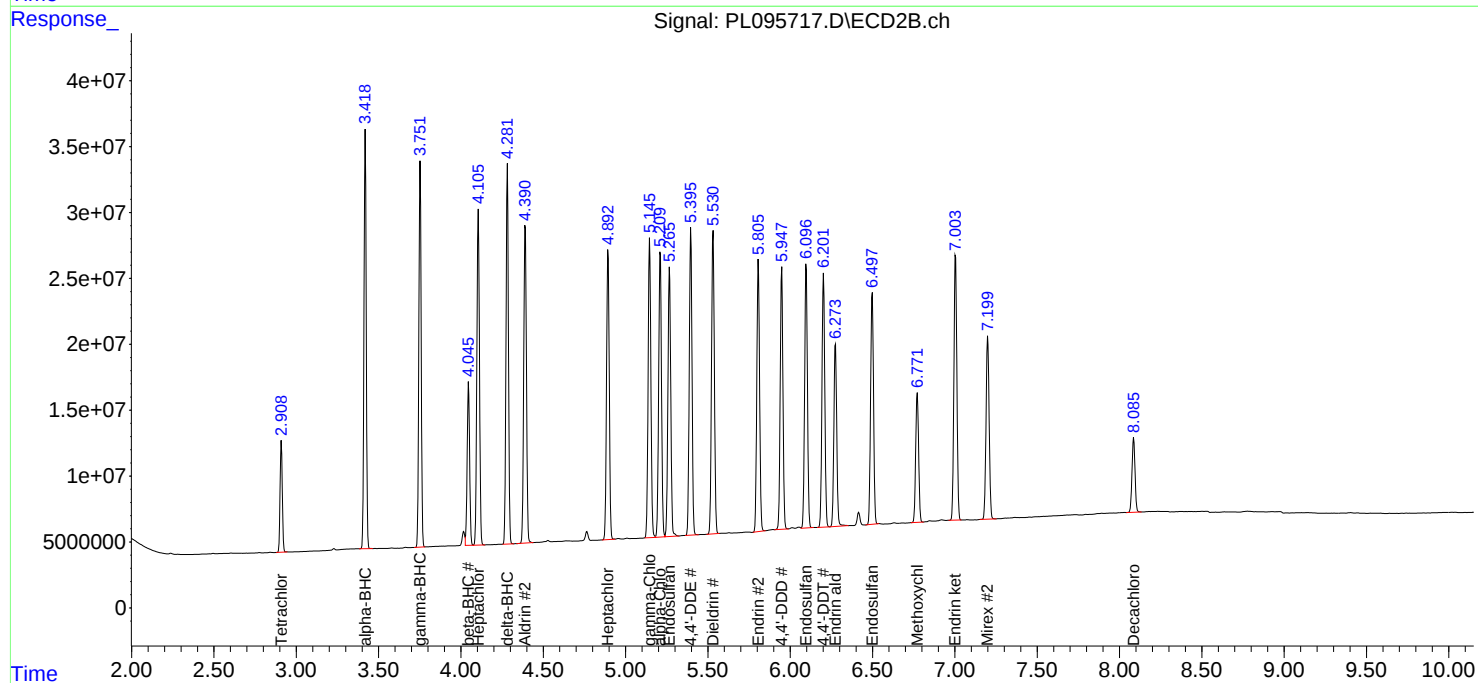
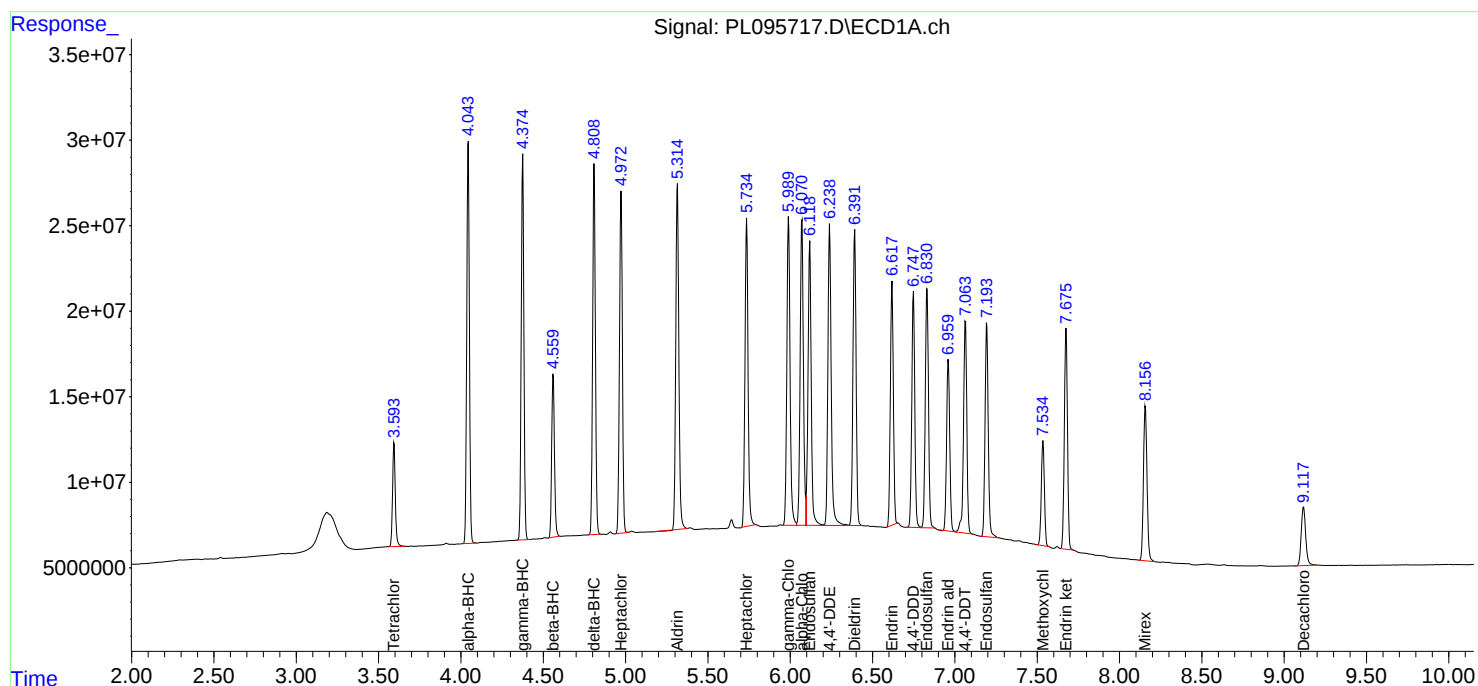
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095717.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 12:56  
Operator : AR\AJ  
Sample : PB168040BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB168040BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:55:35 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    |                  |
| Project:           | South River WM Replacement | Date Received:     |                  |
| Client Sample ID:  | PB168004BSD                | SDG No.:           | Q2032            |
| Lab Sample ID:     | PB168004BSD                | Matrix:            | WATER            |
| Analytical Method: | 8081B                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL    |
| Extraction Type:   |                            | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :              |                    |                  |
| Prep Method :      | 3510C                      |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095670.D        | 1         | 05/14/25 09:06 | 05/14/25 17:08 | PB168004      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 319-84-6          | alpha-BHC            | 0.49  |           | 0.0039   | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.48  |           | 0.0049   | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.49  |           | 0.011    | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.49  |           | 0.0037   | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.48  |           | 0.0027   | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.49  |           | 0.0036   | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.49  |           | 0.0096   | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.50  |           | 0.0031   | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.50  |           | 0.0036   | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.51  |           | 0.0037   | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.47  |           | 0.0032   | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.49  |           | 0.0079   | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.51  |           | 0.0071   | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.50  |           | 0.0037   | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.47  |           | 0.0035   | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.45  |           | 0.011    | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.51  |           | 0.0093   | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.50  |           | 0.011    | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.50  |           | 0.0035   | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.49  |           | 0.0039   | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.17  | U         | 0.17     | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.2  |           | 43 - 140 | 101%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 18.9  |           | 77 - 126 | 95%        | SPK: 20 |

## Report of Analysis

|                    |                            |           |                    |               |           |
|--------------------|----------------------------|-----------|--------------------|---------------|-----------|
| Client:            | CDM Smith                  |           | Date Collected:    |               |           |
| Project:           | South River WM Replacement |           | Date Received:     |               |           |
| Client Sample ID:  | PB168004BSD                |           | SDG No.:           | Q2032         |           |
| Lab Sample ID:     | PB168004BSD                |           | Matrix:            | WATER         |           |
| Analytical Method: | 8081B                      |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                       | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                            | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                            |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                        | PH :      |                    |               |           |
| Prep Method :      | 3510C                      |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095670.D        | 1         | 05/14/25 09:06 | 05/14/25 17:08 | PB168004      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051425\  
 Data File : PL095670.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2025 17:08  
 Operator : AR\AJ  
 Sample : PB168004BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB168004BSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 15 02:10:49 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.591 | 2.905 | 77288746 | 84689349 | 18.915 | 18.080 |
| 28)                         | SA Decachlor... | 9.112 | 8.080 | 68646151 | 80779155 | 20.235 | 19.584 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 4.042 | 3.414 | 285.9E6  | 315.9E6  | 48.861 | 44.178 |
| 3)                          | MA gamma-BHC... | 4.373 | 3.747 | 270.5E6  | 298.3E6  | 48.597 | 44.179 |
| 4)                          | MA Heptachlor   | 4.970 | 4.101 | 259.0E6  | 276.7E6  | 47.565 | 42.411 |
| 5)                          | MB Aldrin       | 5.312 | 4.385 | 284.0E6  | 282.0E6  | 49.451 | 44.212 |
| 6)                          | B beta-BHC      | 4.558 | 4.041 | 116.6E6  | 129.3E6  | 47.630 | 42.852 |
| 7)                          | B delta-BHC     | 4.806 | 4.277 | 264.2E6  | 301.0E6  | 48.623 | 44.214 |
| 8)                          | B Heptachlo...  | 5.733 | 4.888 | 251.4E6  | 257.2E6  | 48.517 | 44.505 |
| 9)                          | A Endosulfan I  | 6.116 | 5.261 | 246.3E6  | 242.4E6  | 50.320 | 46.869 |
| 10)                         | B gamma-Chl...  | 5.987 | 5.141 | 264.7E6  | 264.0E6  | 49.434 | 44.324 |
| 11)                         | B alpha-Chl...  | 6.068 | 5.205 | 261.2E6  | 258.9E6  | 50.252 | 43.857 |
| 12)                         | B 4,4'-DDE      | 6.236 | 5.391 | 261.8E6  | 266.1E6  | 51.150 | 44.583 |
| 13)                         | MA Dieldrin     | 6.389 | 5.526 | 246.2E6  | 275.2E6  | 49.967 | 44.734 |
| 14)                         | MA Endrin       | 6.616 | 5.801 | 179.5E6  | 226.9E6  | 46.869 | 42.582 |
| 15)                         | B Endosulfa...  | 6.829 | 6.091 | 203.5E6  | 243.3E6  | 48.834 | 44.422 |
| 16)                         | A 4,4'-DDD      | 6.746 | 5.943 | 197.4E6  | 242.0E6  | 50.792 | 47.066 |
| 17)                         | MA 4,4'-DDT     | 7.061 | 6.197 | 169.4E6  | 206.9E6  | 47.074 | 41.215 |
| 18)                         | B Endrin al...  | 6.957 | 6.269 | 147.9E6  | 178.0E6  | 50.364 | 46.478 |
| 19)                         | B Endosulfa...  | 7.191 | 6.492 | 184.3E6  | 222.8E6  | 50.224 | 44.822 |
| 20)                         | A Methoxychlor  | 7.532 | 6.767 | 75561198 | 108.0E6  | 44.816 | 39.904 |
| 21)                         | B Endrin ke...  | 7.672 | 6.999 | 190.3E6  | 269.1E6  | 50.797 | 45.792 |
| 22)                         | Mirex           | 8.153 | 7.193 | 146.7E6  | 187.8E6  | 48.186 | 43.545 |
| -----                       |                 |       |       |          |          |        |        |

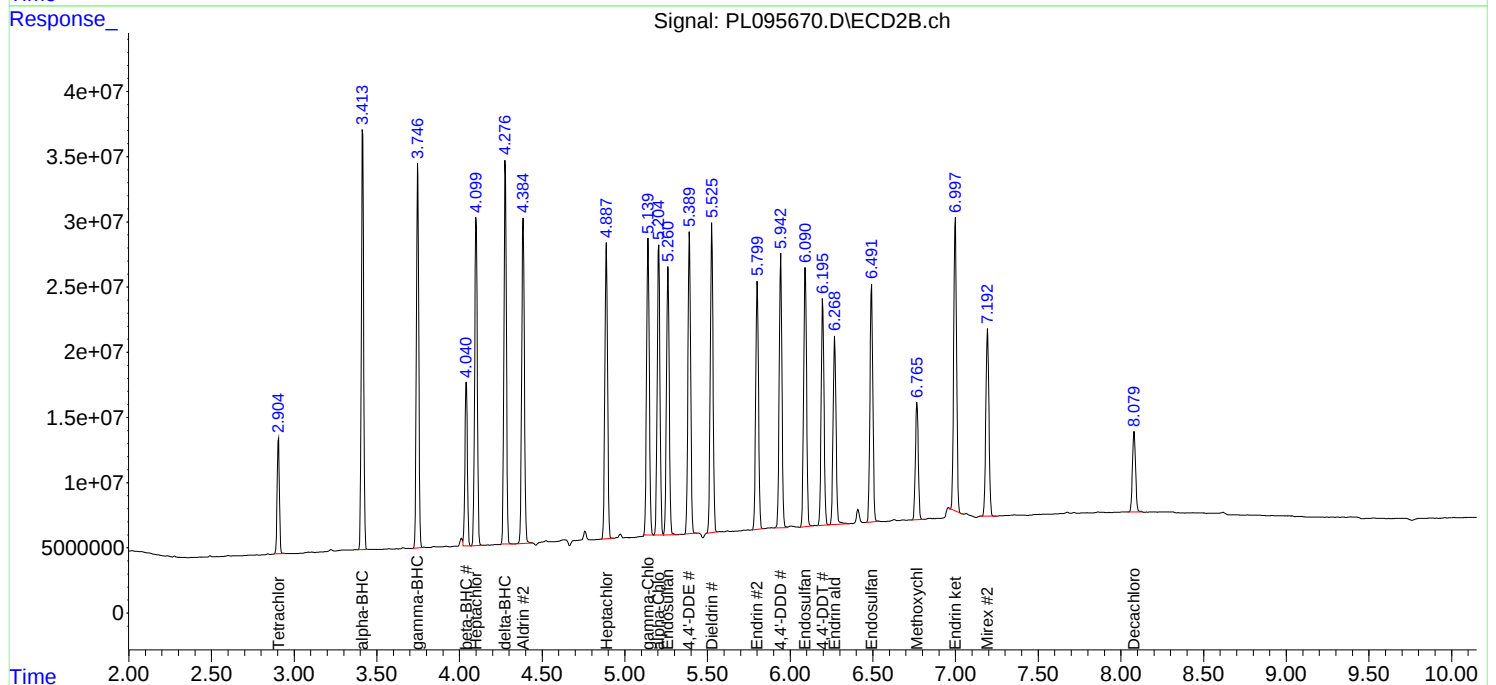
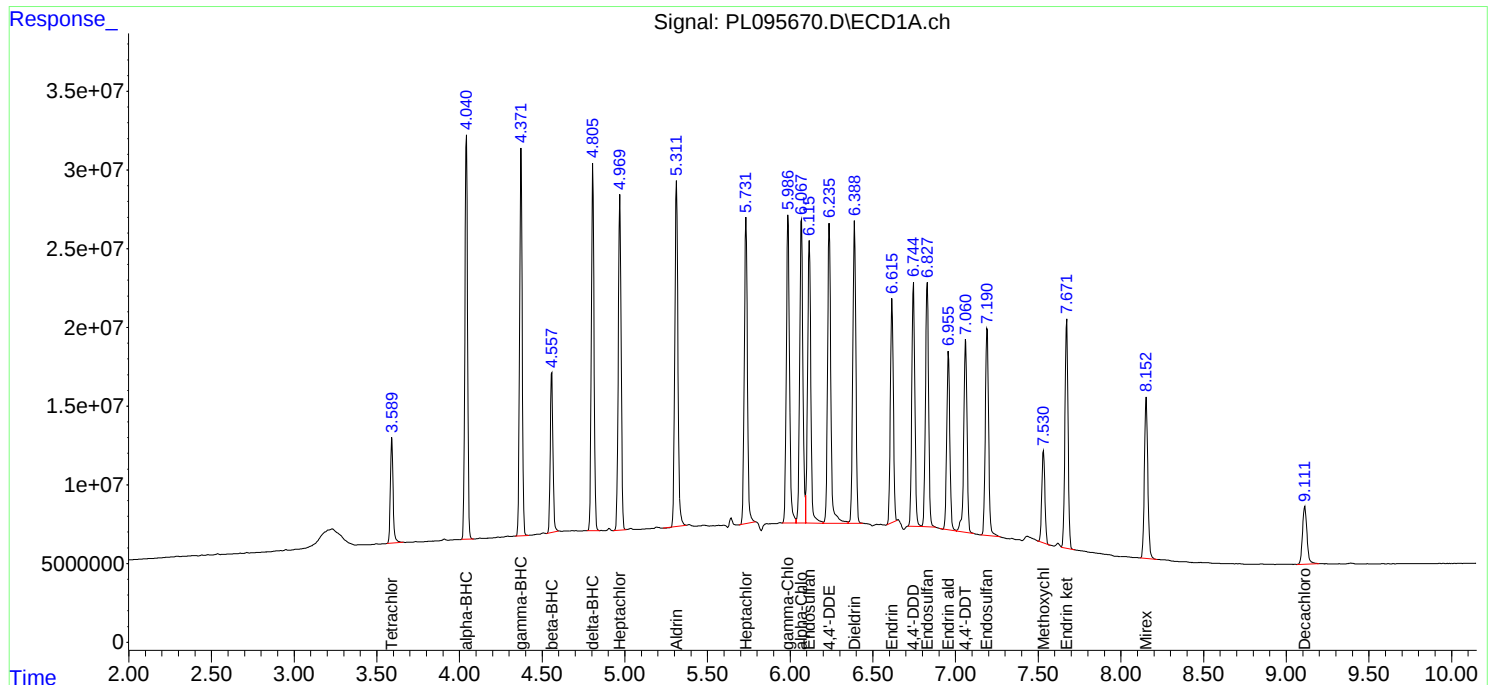
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051425\  
Data File : PL095670.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2025 17:08  
Operator : AR\AJ  
Sample : PB168004BSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PB168004BSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 02:10:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-24MS                    | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-05MS                 | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 74.2      Decanted: |
| Sample Wt/Vol:     | 30.05      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095725.D        | 1         | 05/16/25 09:25 | 05/16/25 14:46 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 20.2  |           | 0.17     | 2.30       | ug/kg             |
| 319-85-7          | beta-BHC             | 18.6  |           | 0.24     | 2.30       | ug/kg             |
| 319-86-8          | delta-BHC            | 19.8  |           | 0.52     | 2.30       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 20.1  |           | 0.19     | 2.30       | ug/kg             |
| 76-44-8           | Heptachlor           | 19.5  |           | 0.16     | 2.30       | ug/kg             |
| 309-00-2          | Aldrin               | 20.3  |           | 0.16     | 2.30       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 19.0  |           | 0.26     | 2.30       | ug/kg             |
| 959-98-8          | Endosulfan I         | 20.0  |           | 0.19     | 2.30       | ug/kg             |
| 60-57-1           | Dieldrin             | 19.1  |           | 0.19     | 2.30       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 18.5  |           | 0.19     | 2.30       | ug/kg             |
| 72-20-8           | Endrin               | 20.1  |           | 0.19     | 2.30       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 18.9  |           | 0.39     | 2.30       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 19.2  |           | 0.20     | 2.30       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 19.2  |           | 0.17     | 2.30       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 20.8  |           | 0.19     | 2.30       | ug/kg             |
| 72-43-5           | Methoxychlor         | 20.8  |           | 0.50     | 2.30       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 19.7  |           | 0.26     | 2.30       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 20.1  |           | 0.50     | 2.30       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 20.1  |           | 0.16     | 2.30       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 19.6  |           | 0.20     | 2.30       | ug/kg             |
| 8001-35-2         | Toxaphene            | 7.30  | U         | 7.30     | 44.4       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 14.9  |           | 20 - 144 | 74%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 17.5  |           | 19 - 148 | 88%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-24MS                    | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-05MS                 | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 74.2      Decanted: |
| Sample Wt/Vol:     | 30.05      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095725.D        | 1         | 05/16/25 09:25 | 05/16/25 14:46 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095725.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 14:46  
 Operator : AR\AJ  
 Sample : Q2032-05MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-24MS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:56:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.589 | 2.908 | 70894455 | 82070966 | 17.351m | 17.521  |
| 28)                         | SA Decachlor... | 9.113 | 8.084 | 50475450 | 57883181 | 14.879  | 14.033  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.042 | 3.417 | 263.4E6  | 300.9E6  | 45.016  | 42.076  |
| 3)                          | MA gamma-BHC... | 4.373 | 3.750 | 249.1E6  | 280.1E6  | 44.756  | 41.486  |
| 4)                          | MA Heptachlor   | 4.970 | 4.104 | 237.4E6  | 271.7E6  | 43.589  | 41.646  |
| 5)                          | MB Aldrin       | 5.312 | 4.389 | 260.2E6  | 264.3E6  | 45.299  | 41.447  |
| 6)                          | B beta-BHC      | 4.559 | 4.044 | 86468662 | 125.4E6  | 35.306  | 41.550  |
| 7)                          | B delta-BHC     | 4.806 | 4.281 | 239.8E6  | 284.2E6  | 44.142  | 41.750  |
| 8)                          | B Heptachlo...  | 5.733 | 4.892 | 219.4E6  | 239.5E6  | 42.346  | 41.440  |
| 9)                          | A Endosulfan I  | 6.116 | 5.265 | 218.8E6  | 219.1E6  | 44.687  | 42.361  |
| 10)                         | B gamma-Chl...  | 5.987 | 5.144 | 234.4E6  | 247.4E6  | 43.765  | 41.542  |
| 11)                         | B alpha-Chl...  | 6.068 | 5.209 | 232.8E6  | 240.7E6  | 44.786  | 40.786  |
| 12)                         | B 4,4'-DDE      | 6.237 | 5.395 | 208.6E6  | 245.5E6  | 40.750  | 41.142  |
| 13)                         | MA Dieldrin     | 6.389 | 5.530 | 209.7E6  | 257.0E6  | 42.555  | 41.767  |
| 14)                         | MA Endrin       | 6.617 | 5.805 | 171.7E6  | 236.6E6  | 44.832  | 44.416  |
| 15)                         | B Endosulfa...  | 6.828 | 6.095 | 175.6E6  | 224.6E6  | 42.140  | 41.010  |
| 16)                         | A 4,4'-DDD      | 6.746 | 5.947 | 166.7E6  | 216.1E6  | 42.898  | 42.019  |
| 17)                         | MA 4,4'-DDT     | 7.062 | 6.201 | 166.6E6  | 215.8E6  | 46.310  | 43.004  |
| 18)                         | B Endrin al...  | 6.957 | 6.273 | 131.5E6  | 162.5E6  | 44.799  | 42.433  |
| 19)                         | B Endosulfa...  | 7.191 | 6.495 | 157.2E6  | 202.1E6  | 42.837  | 40.648m |
| 20)                         | A Methoxychlor  | 7.532 | 6.771 | 78071172 | 116.8E6  | 46.304  | 43.171  |
| 21)                         | B Endrin ke...  | 7.672 | 7.002 | 164.6E6  | 238.3E6  | 43.924  | 40.558  |
| 22)                         | Mirex           | 8.154 | 7.198 | 131.5E6  | 175.3E6  | 43.194  | 40.660  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095725.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 14:46  
Operator : AR\AJ  
Sample : Q2032-05MS  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

TP-24MS

## Manual Integrations

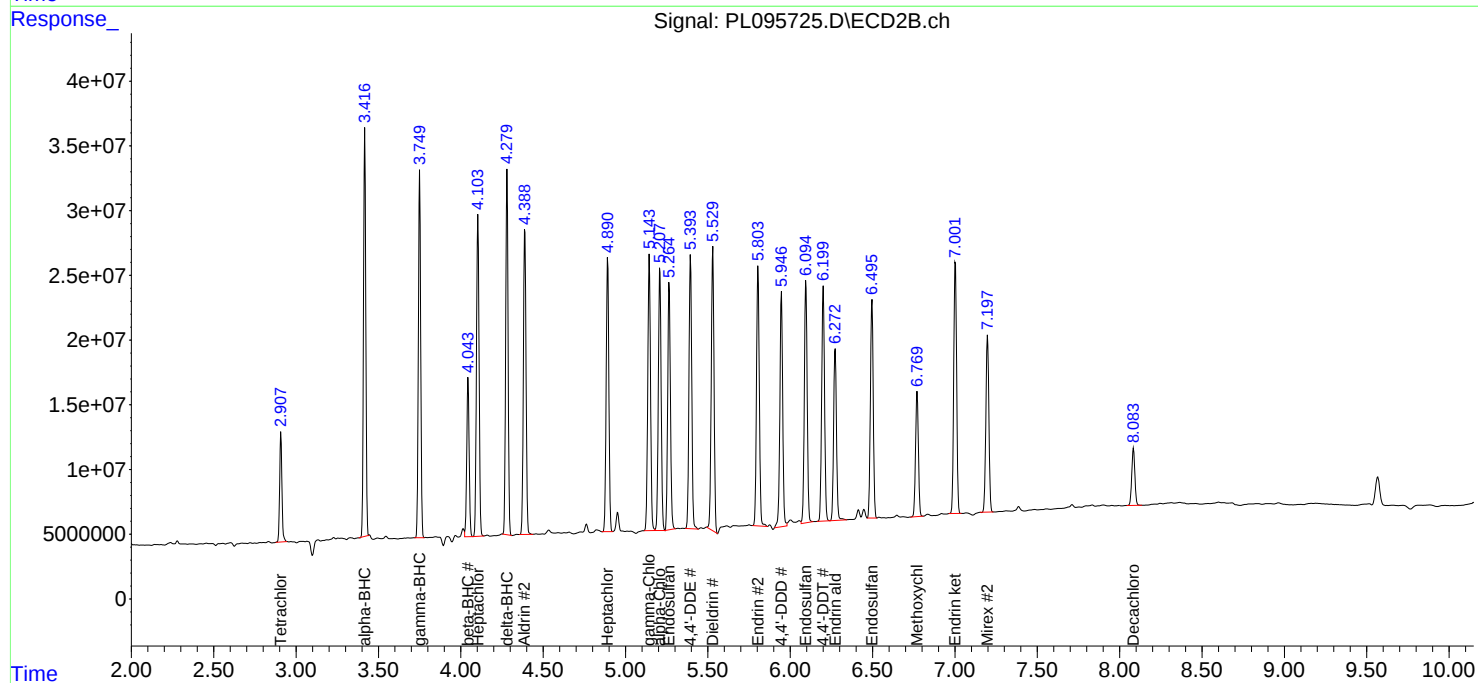
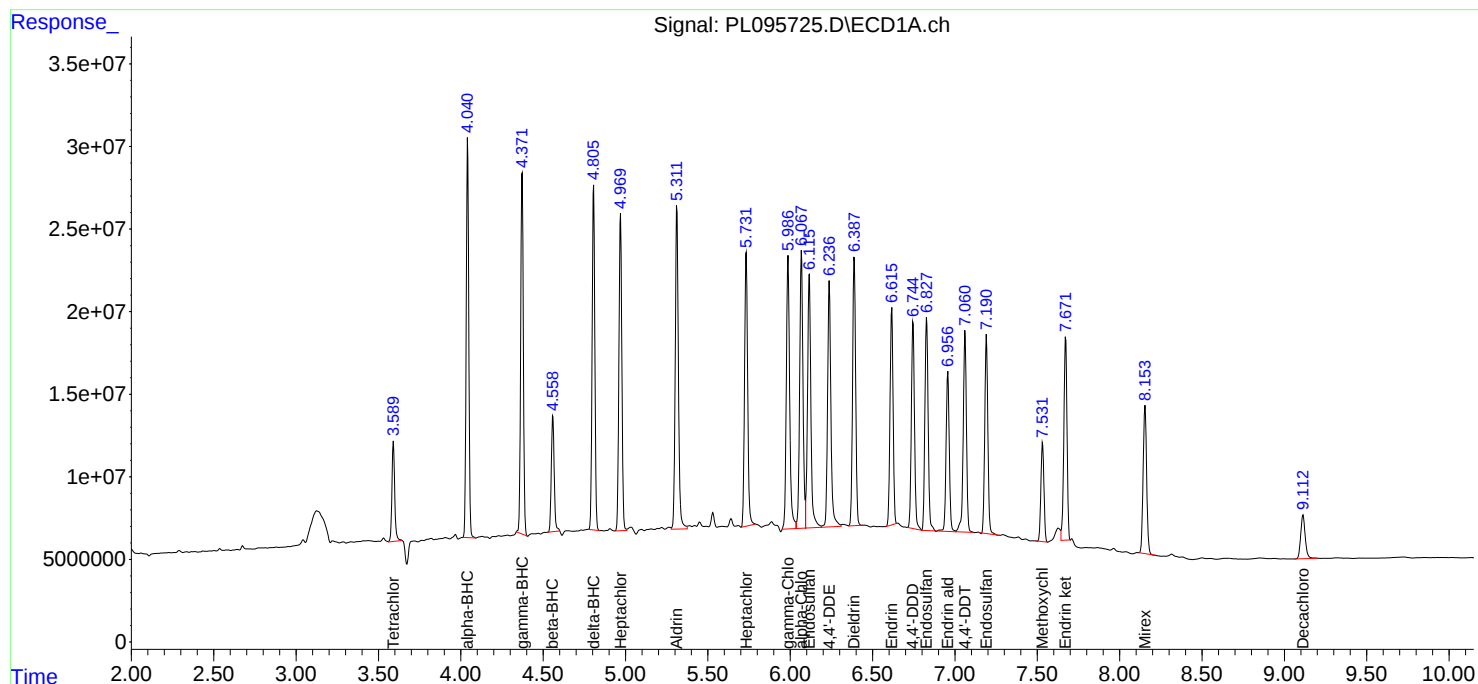
APPROVED

Reviewed By :Abdul Mirza 05/19/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:56:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-24MSD                   | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-06MSD                | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 74.2      Decanted: |
| Sample Wt/Vol:     | 30.02      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095726.D        | 1         | 05/16/25 09:25 | 05/16/25 14:59 | PB168040      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 319-84-6          | alpha-BHC            | 20.3  |           | 0.18     | 2.30       | ug/kg             |
| 319-85-7          | beta-BHC             | 18.6  |           | 0.24     | 2.30       | ug/kg             |
| 319-86-8          | delta-BHC            | 19.8  |           | 0.53     | 2.30       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 20.1  |           | 0.19     | 2.30       | ug/kg             |
| 76-44-8           | Heptachlor           | 19.6  |           | 0.16     | 2.30       | ug/kg             |
| 309-00-2          | Aldrin               | 20.3  |           | 0.16     | 2.30       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 19.1  |           | 0.26     | 2.30       | ug/kg             |
| 959-98-8          | Endosulfan I         | 20.2  |           | 0.19     | 2.30       | ug/kg             |
| 60-57-1           | Dieldrin             | 19.1  |           | 0.19     | 2.30       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 18.5  |           | 0.19     | 2.30       | ug/kg             |
| 72-20-8           | Endrin               | 20.1  |           | 0.19     | 2.30       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 19.0  |           | 0.39     | 2.30       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 19.3  |           | 0.20     | 2.30       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 19.5  |           | 0.18     | 2.30       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 20.6  |           | 0.19     | 2.30       | ug/kg             |
| 72-43-5           | Methoxychlor         | 20.8  |           | 0.50     | 2.30       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 19.6  |           | 0.26     | 2.30       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 20.0  |           | 0.50     | 2.30       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 20.2  |           | 0.16     | 2.30       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 19.8  |           | 0.20     | 2.30       | ug/kg             |
| 8001-35-2         | Toxaphene            | 7.30  | U         | 7.30     | 44.4       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 14.9  |           | 20 - 144 | 74%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 17.5  |           | 19 - 148 | 87%        | SPK: 20           |

## Report of Analysis

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25            |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25            |
| Client Sample ID:  | TP-24MSD                   | SDG No.:           | Q2032               |
| Lab Sample ID:     | Q2032-06MSD                | Matrix:            | SOIL                |
| Analytical Method: | 8081B                      | % Solid:           | 74.2      Decanted: |
| Sample Wt/Vol:     | 30.02      Units:    g     | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                         | Test:              | Pesticide-TCL       |
| Extraction Type:   |                            | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :              |                    |                     |
| Prep Method :      | SW3541B                    |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL095726.D        | 1         | 05/16/25 09:25 | 05/16/25 14:59 | PB168040      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### 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\PL051625\  
 Data File : PL095726.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 May 2025 14:59  
 Operator : AR\AJ  
 Sample : Q2032-06MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-24MSD

Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 05/19/2025  
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 17 01:57:04 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 13 14:38:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.589 | 2.907 | 69496234 | 81896900 | 17.008m | 17.484  |
| 28) SA Decachlor...         | 9.112 | 8.084 | 50468339 | 57541638 | 14.877  | 13.950  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 4.042 | 3.417 | 264.2E6  | 301.0E6  | 45.149  | 42.093  |
| 3) MA gamma-BHC...          | 4.373 | 3.750 | 249.1E6  | 280.5E6  | 44.750  | 41.543  |
| 4) MA Heptachlor            | 4.970 | 4.104 | 237.5E6  | 270.2E6  | 43.611  | 41.422  |
| 5) MB Aldrin                | 5.312 | 4.389 | 260.0E6  | 265.2E6  | 45.265  | 41.577  |
| 6) B beta-BHC               | 4.559 | 4.045 | 86356590 | 125.2E6  | 35.261  | 41.513  |
| 7) B delta-BHC              | 4.806 | 4.281 | 240.2E6  | 283.8E6  | 44.212  | 41.695  |
| 8) B Heptachlo...           | 5.732 | 4.892 | 220.7E6  | 240.2E6  | 42.595  | 41.564  |
| 9) A Endosulfan I           | 6.116 | 5.265 | 220.2E6  | 219.4E6  | 44.978  | 42.422  |
| 10) B gamma-Chl...          | 5.987 | 5.144 | 235.9E6  | 247.2E6  | 44.059  | 41.502  |
| 11) B alpha-Chl...          | 6.068 | 5.208 | 233.8E6  | 240.4E6  | 44.979  | 40.725  |
| 12) B 4,4'-DDE              | 6.237 | 5.394 | 209.6E6  | 245.6E6  | 40.942  | 41.146  |
| 13) MA Dieldrin             | 6.389 | 5.530 | 209.4E6  | 257.4E6  | 42.495  | 41.838  |
| 14) MA Endrin               | 6.616 | 5.804 | 171.4E6  | 237.1E6  | 44.754  | 44.495  |
| 15) B Endosulfa...          | 6.828 | 6.095 | 176.4E6  | 224.6E6  | 42.328  | 41.005  |
| 16) A 4,4'-DDD              | 6.746 | 5.946 | 167.3E6  | 216.9E6  | 43.050  | 42.173  |
| 17) MA 4,4'-DDT             | 7.061 | 6.200 | 164.9E6  | 215.7E6  | 45.828  | 42.971  |
| 18) B Endrin al...          | 6.957 | 6.273 | 130.6E6  | 162.8E6  | 44.481  | 42.514  |
| 19) B Endosulfa...          | 7.191 | 6.494 | 159.2E6  | 202.5E6  | 43.374  | 40.736m |
| 20) A Methoxychlor          | 7.532 | 6.770 | 78037836 | 116.6E6  | 46.285  | 43.108  |
| 21) B Endrin ke...          | 7.672 | 7.002 | 163.9E6  | 238.4E6  | 43.745  | 40.563  |
| 22) Mirex                   | 8.153 | 7.197 | 130.5E6  | 174.7E6  | 42.851  | 40.509  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051625\  
Data File : PL095726.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 May 2025 14:59  
Operator : AR\AJ  
Sample : Q2032-06MSD  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

TP-24MSD

## Manual Integrations

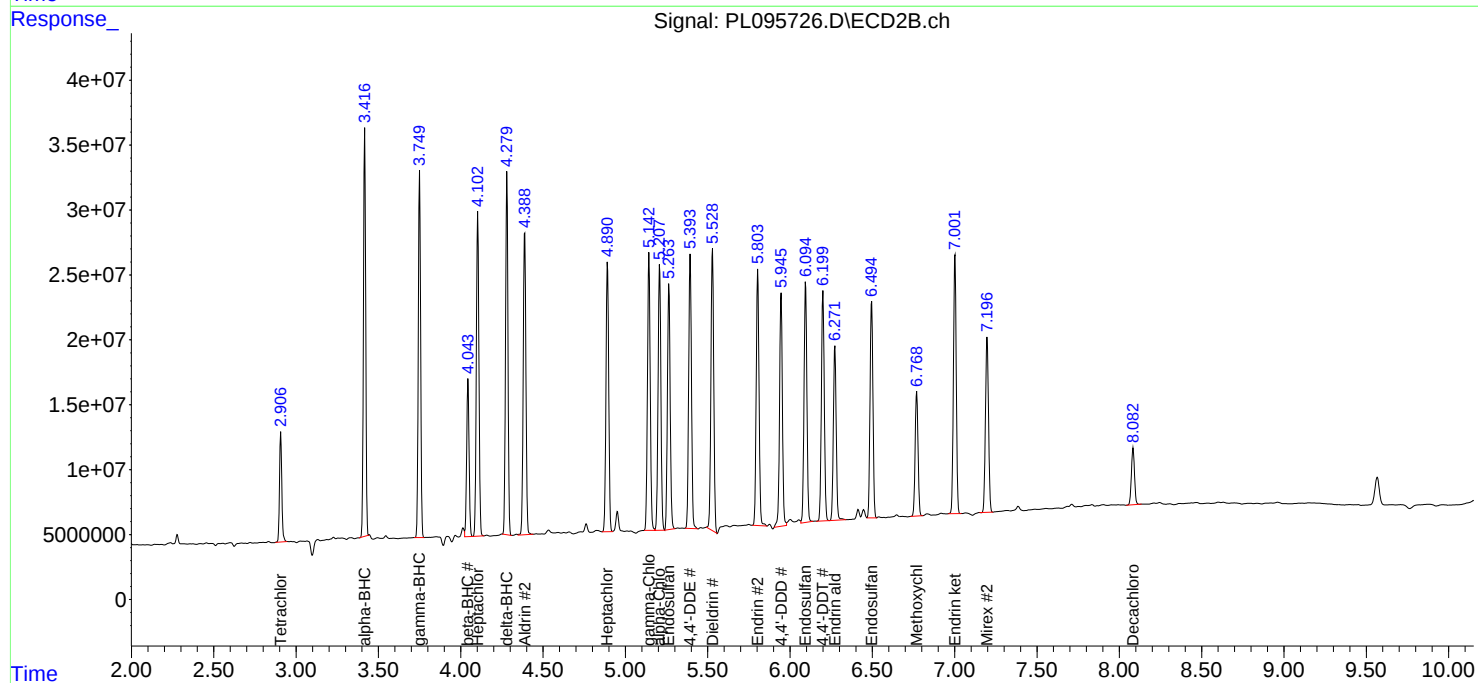
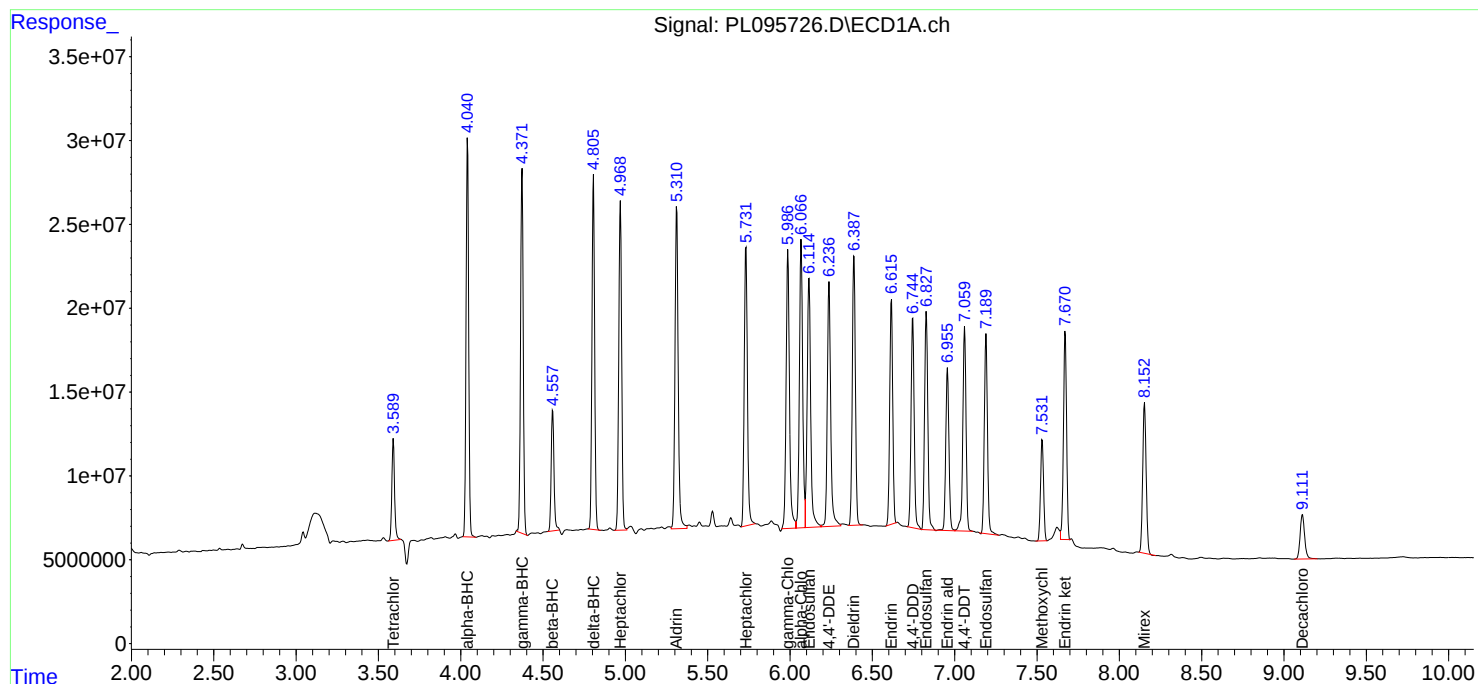
APPROVED

Reviewed By :Abdul Mirza 05/19/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 01:57:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051325.M  
Quant Title : GC Extractables  
QLast Update : Tue May 13 14:38:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



## Manual Integration Report

Sequence:

PL051325

Instrument

ECD\_I

| Sample ID  | File ID    | Parameter          | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|------------|------------|--------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PEM        | PL095631.D | 4,4"-DDD           | Abdul     | 5/15/2025 7:52:38 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PEM        | PL095631.D | 4,4"-DDD #2        | Abdul     | 5/15/2025 7:52:38 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PEM        | PL095631.D | Endrin aldehyde    | Abdul     | 5/15/2025 7:52:38 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PEM        | PL095631.D | Endrin aldehyde #2 | Abdul     | 5/15/2025 7:52:38 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PEM        | PL095631.D | Endrin ketone      | Abdul     | 5/15/2025 7:52:38 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PEM        | PL095631.D | Endrin ketone #2   | Abdul     | 5/15/2025 7:52:38 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| RESCHK     | PL095632.D | gamma-Chlordane    | Abdul     | 5/15/2025 7:52:42 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC025 | PL095636.D | 4,4"-DDE           | Abdul     | 5/15/2025 7:52:46 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC025 | PL095636.D | alpha-Chlordane    | Abdul     | 5/15/2025 7:52:46 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC025 | PL095636.D | Dieldrin #2        | Abdul     | 5/15/2025 7:52:46 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC025 | PL095636.D | Endosulfan I       | Abdul     | 5/15/2025 7:52:46 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC025 | PL095636.D | gamma-Chlordane    | Abdul     | 5/15/2025 7:52:46 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005 | PL095637.D | alpha-Chlordane    | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PL051325 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|-----------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PSTDICC005   | PL095637.D | alpha-Chlordane #2    | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | Decachlorobiphenyl #2 | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | Dieldrin #2           | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | Endosulfan I          | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | Endosulfan I #2       | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | Endosulfan II #2      | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | Endrin ketone #2      | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | gamma-Chlordane       | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | gamma-Chlordane #2    | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PSTDICC005   | PL095637.D | Heptachlor epoxide    | Abdul     | 5/15/2025 7:52:51 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PCHLORICV500 | PL095649.D | Chlordane-1           | Abdul     | 5/15/2025 7:53:07 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PCHLORICV500 | PL095649.D | Chlordane-3           | Abdul     | 5/15/2025 7:53:07 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PCHLORICV500 | PL095649.D | Chlordane-3 #2        | Abdul     | 5/15/2025 7:53:07 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PL051325

Instrument

ECD\_I

| Sample ID    | File ID    | Parameter      | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|----------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PCHLORICV500 | PL095652.D | Chlordane-1    | Abdul     | 5/15/2025 7:53:13 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PCHLORICV500 | PL095652.D | Chlordane-3    | Abdul     | 5/15/2025 7:53:13 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |
| PCHLORICV500 | PL095652.D | Chlordane-3 #2 | Abdul     | 5/15/2025 7:53:13 AM | mohammad      | 5/19/2025 1:27:23 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

pl051425

Instrument

ECD\_I

| Sample ID  | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|------------|------------|-----------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PEM        | PL095655.D | 4,4"-DDE              | Abdul     | 5/15/2025 7:50:18 AM | mohammad      | 5/16/2025 1:55:39 | Peak Integrated by Software |
| PEM        | PL095655.D | 4,4"-DDE #2           | Abdul     | 5/15/2025 7:50:18 AM | mohammad      | 5/16/2025 1:55:39 | Peak Integrated by Software |
| PEM        | PL095655.D | Endrin aldehyde       | Abdul     | 5/15/2025 7:50:18 AM | mohammad      | 5/16/2025 1:55:39 | Peak Integrated by Software |
| PSTDCCC050 | PL095667.D | 4,4"-DDE #2           | Abdul     | 5/15/2025 7:50:34 AM | mohammad      | 5/16/2025 1:55:39 | Peak Integrated by Software |
| Q2032-11   | PL095672.D | Decachlorobiphenyl #2 | Abdul     | 5/15/2025 7:50:44 AM | mohammad      | 5/16/2025 1:55:39 | Peak Integrated by Software |
| I.BLK      | PL095682.D | Decachlorobiphenyl    | Abdul     | 5/15/2025 7:51:15 AM | mohammad      | 5/16/2025 1:55:39 | Peak Integrated by Software |
| I.BLK      | PL095682.D | Tetrachloro-m-xylene  | Abdul     | 5/15/2025 7:51:15 AM | mohammad      | 5/16/2025 1:55:39 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pl051625 | Instrument | ECD_I |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|------------|------------|-------------------------|-----------|----------------------|---------------|---------------|-----------------------------|
| PEM        | PL095714.D | Endrin aldehyde         | Abdul     | 5/19/2025 8:19:50 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PEM        | PL095714.D | Endrin aldehyde #2      | Abdul     | 5/19/2025 8:19:50 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PEM        | PL095714.D | Endrin ketone           | Abdul     | 5/19/2025 8:19:50 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PEM        | PL095714.D | Endrin ketone #2        | Abdul     | 5/19/2025 8:19:50 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PSTDCCC050 | PL095715.D | 4,4"-DDE                | Abdul     | 5/19/2025 8:19:54 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PSTDCCC050 | PL095715.D | 4,4"-DDE #2             | Abdul     | 5/19/2025 8:19:54 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PSTDCCC050 | PL095715.D | Heptachlor epoxide      | Abdul     | 5/19/2025 8:19:54 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-01   | PL095721.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:08 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-02   | PL095722.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:10 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-02   | PL095722.D | Tetrachloro-m-xylene #2 | Abdul     | 5/19/2025 8:20:10 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-03   | PL095723.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:14 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-04   | PL095724.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-05MS | PL095725.D | Endosulfan Sulfate #2   | Abdul     | 5/19/2025 8:20:22 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

## Manual Integration Report

Sequence:

pl051625

Instrument

ECD\_I

| Sample ID   | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|-------------|------------|-------------------------|-----------|----------------------|---------------|---------------|-----------------------------|
| Q2032-05MS  | PL095725.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:22 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-06MSD | PL095726.D | Endosulfan Sulfate #2   | Abdul     | 5/19/2025 8:20:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-06MSD | PL095726.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-07    | PL095727.D | Decachlorobiphenyl      | Abdul     | 5/19/2025 8:20:29 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-07    | PL095727.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:29 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-08    | PL095728.D | Tetrachloro-m-xylene    | Abdul     | 5/19/2025 8:20:34 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2032-08    | PL095728.D | Tetrachloro-m-xylene #2 | Abdul     | 5/19/2025 8:20:34 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| I.BLK       | PL095729.D | Tetrachloro-m-xylene #2 | Abdul     | 5/19/2025 8:20:51 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PSTDCCC050  | PL095730.D | 4,4"-DDE                | Abdul     | 5/19/2025 8:20:37 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PSTDCCC050  | PL095730.D | 4,4"-DDE #2             | Abdul     | 5/19/2025 8:20:37 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PSTDCCC050  | PL095730.D | Heptachlor epoxide      | Abdul     | 5/19/2025 8:20:37 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051325**

|                          |                                                                                                                                                                                 |                   |                                    |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                                                           | Review On         | 5/15/2025 7:53:35 AM               |
| Supervise By             | mohammad                                                                                                                                                                        | Supervise On      | 5/19/2025 1:27:23 AM               |
| SubDirectory             | PL051325                                                                                                                                                                        | HP Acquire Method | HP Processing Method pl051325 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                 |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                 |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                         |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                 |                   |                                    |
| LCS Standard             |                                                                                                                                                                                 |                   |                                    |

| Sr# | Sampleld      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PL095629.D     | 13 May 2025 11:30 | AR\AJ    | Ok     |
| 2   | I.BLK         | PL095630.D     | 13 May 2025 11:43 | AR\AJ    | Ok     |
| 3   | PEM           | PL095631.D     | 13 May 2025 11:57 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PL095632.D     | 13 May 2025 12:10 | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PL095633.D     | 13 May 2025 12:24 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PL095634.D     | 13 May 2025 12:38 | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PL095635.D     | 13 May 2025 12:51 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PL095636.D     | 13 May 2025 13:05 | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PL095637.D     | 13 May 2025 13:18 | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PL095638.D     | 13 May 2025 13:32 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PL095639.D     | 13 May 2025 13:45 | AR\AJ    | Ok,M   |
| 12  | PCHLORICC500  | PL095640.D     | 13 May 2025 13:59 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PL095641.D     | 13 May 2025 14:13 | AR\AJ    | Ok,M   |
| 14  | PCHLORICC050  | PL095642.D     | 13 May 2025 14:26 | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PL095643.D     | 13 May 2025 14:40 | AR\AJ    | Not Ok |
| 16  | PTOXICC750    | PL095644.D     | 13 May 2025 14:54 | AR\AJ    | Not Ok |
| 17  | PTOXICC500    | PL095645.D     | 13 May 2025 15:07 | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PL095646.D     | 13 May 2025 15:21 | AR\AJ    | Not Ok |
| 19  | PTOXICC100    | PL095647.D     | 13 May 2025 15:35 | AR\AJ    | Not Ok |
| 20  | PSTDICV050    | PL095648.D     | 13 May 2025 17:17 | AR\AJ    | Not Ok |
| 21  | PCHLORICV500  | PL095649.D     | 13 May 2025 17:31 | AR\AJ    | Not Ok |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051325**

| Review By                | Abdul                                                                                                                                                                           | Review On         | 5/15/2025 7:53:35 AM               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                                                        | Supervise On      | 5/19/2025 1:27:23 AM               |
| SubDirectory             | PL051325                                                                                                                                                                        | HP Acquire Method | HP Processing Method pl051325 8081 |
| STD. NAME                | STD REF.#                                                                                                                                                                       |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                 |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                 |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                         |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                 |                   |                                    |
| LCS Standard             |                                                                                                                                                                                 |                   |                                    |

|    |              |            |                   |       |        |
|----|--------------|------------|-------------------|-------|--------|
| 22 | PTOXICV500   | PL095650.D | 13 May 2025 17:47 | AR\AJ | Not Ok |
| 23 | PSTDICV050   | PL095651.D | 14 May 2025 10:07 | AR\AJ | Ok     |
| 24 | PCHLORICV500 | PL095652.D | 14 May 2025 10:21 | AR\AJ | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051425**

|                          |                                                                                                                                                                                 |                   |                                    |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                                                           | Review On         | 5/15/2025 7:51:50 AM               |
| Supervise By             | mohammad                                                                                                                                                                        | Supervise On      | 5/16/2025 1:55:39 AM               |
| SubDirectory             | PL051425                                                                                                                                                                        | HP Acquire Method | HP Processing Method pl051325 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                 |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                 |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                         |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                 |                   |                                    |
| LCS Standard             |                                                                                                                                                                                 |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PL095653.D     | 14 May 2025 11:01 | AR\AJ    | Ok     |
| 2   | I.BLK       | PL095654.D     | 14 May 2025 11:33 | AR\AJ    | Ok     |
| 3   | PEM         | PL095655.D     | 14 May 2025 11:47 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PL095656.D     | 14 May 2025 12:00 | AR\AJ    | Ok     |
| 5   | PB167989BL  | PL095657.D     | 14 May 2025 13:36 | AR\AJ    | Ok     |
| 6   | PB167989BS  | PL095658.D     | 14 May 2025 13:50 | AR\AJ    | Ok     |
| 7   | PB167963TB  | PL095659.D     | 14 May 2025 14:35 | AR\AJ    | Ok     |
| 8   | Q2001-03    | PL095660.D     | 14 May 2025 14:49 | AR\AJ    | Ok     |
| 9   | Q2001-03MS  | PL095661.D     | 14 May 2025 15:03 | AR\AJ    | Ok,M   |
| 10  | Q2001-03MSD | PL095662.D     | 14 May 2025 15:17 | AR\AJ    | Ok,M   |
| 11  | Q2001-07    | PL095663.D     | 14 May 2025 15:30 | AR\AJ    | Ok     |
| 12  | Q2001-11    | PL095664.D     | 14 May 2025 15:44 | AR\AJ    | Ok,M   |
| 13  | Q2001-15    | PL095665.D     | 14 May 2025 15:58 | AR\AJ    | Ok     |
| 14  | I.BLK       | PL095666.D     | 14 May 2025 16:12 | AR\AJ    | Ok     |
| 15  | PSTDCCC050  | PL095667.D     | 14 May 2025 16:26 | AR\AJ    | Ok,M   |
| 16  | PB168004BL  | PL095668.D     | 14 May 2025 16:41 | AR\AJ    | Ok     |
| 17  | PB168004BS  | PL095669.D     | 14 May 2025 16:55 | AR\AJ    | Ok     |
| 18  | PB168004BSD | PL095670.D     | 14 May 2025 17:08 | AR\AJ    | Ok     |
| 19  | Q2005-01    | PL095671.D     | 14 May 2025 17:22 | AR\AJ    | Not Ok |
| 20  | Q2032-11    | PL095672.D     | 14 May 2025 17:36 | AR\AJ    | Ok,M   |
| 21  | PB167998BL  | PL095673.D     | 14 May 2025 17:50 | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051425**

| Review By                | Abdul                                                                                                                                                                           | Review On         | 5/15/2025 7:51:50 AM               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                                                        | Supervise On      | 5/16/2025 1:55:39 AM               |
| SubDirectory             | PL051425                                                                                                                                                                        | HP Acquire Method | HP Processing Method pl051325 8081 |
| STD. NAME                | STD REF.#                                                                                                                                                                       |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                 |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                 |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                         |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                 |                   |                                    |
| LCS Standard             |                                                                                                                                                                                 |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | PB167998BS  | PL095674.D | 14 May 2025 18:03 | AR\AJ | Ok   |
| 23 | Q2019-01    | PL095675.D | 14 May 2025 18:17 | AR\AJ | Ok,M |
| 24 | Q2019-01MS  | PL095676.D | 14 May 2025 18:31 | AR\AJ | Ok   |
| 25 | Q2019-01MSD | PL095677.D | 14 May 2025 18:45 | AR\AJ | Ok   |
| 26 | Q2020-01    | PL095678.D | 14 May 2025 18:59 | AR\AJ | Ok,M |
| 27 | Q2022-02    | PL095679.D | 14 May 2025 19:12 | AR\AJ | Ok,M |
| 28 | Q2022-04    | PL095680.D | 14 May 2025 19:26 | AR\AJ | Ok,M |
| 29 | Q2024-01    | PL095681.D | 14 May 2025 19:40 | AR\AJ | Ok   |
| 30 | I.BLK       | PL095682.D | 14 May 2025 20:08 | AR\AJ | Ok,M |
| 31 | PSTDCCC050  | PL095683.D | 14 May 2025 20:49 | AR\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051625**

|                          |                                                                                                                                                                                 |                   |                                    |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                                                           | Review On         | 5/19/2025 8:21:04 AM               |
| Supervise By             |                                                                                                                                                                                 | Supervise On      |                                    |
| SubDirectory             | PL051625                                                                                                                                                                        | HP Acquire Method | HP Processing Method pl051325 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                 |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                 |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                         |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                 |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                 |                   |                                    |
| LCS Standard             |                                                                                                                                                                                 |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PL095712.D     | 16 May 2025 09:58 | AR\AJ    | Ok     |
| 2   | I.BLK       | PL095713.D     | 16 May 2025 10:12 | AR\AJ    | Ok     |
| 3   | PEM         | PL095714.D     | 16 May 2025 10:26 | AR\AJ    | Ok,NS  |
| 4   | PSTDCCC050  | PL095715.D     | 16 May 2025 10:39 | AR\AJ    | Ok,NS  |
| 5   | PB168040BL  | PL095716.D     | 16 May 2025 12:42 | AR\AJ    | Ok     |
| 6   | PB168040BS  | PL095717.D     | 16 May 2025 12:56 | AR\AJ    | Ok     |
| 7   | Q2052-01    | PL095718.D     | 16 May 2025 13:09 | AR\AJ    | Ok,NS  |
| 8   | Q2055-01    | PL095719.D     | 16 May 2025 13:23 | AR\AJ    | Ok     |
| 9   | Q2057-01    | PL095720.D     | 16 May 2025 13:37 | AR\AJ    | Ok,NS  |
| 10  | Q2032-01    | PL095721.D     | 16 May 2025 13:51 | AR\AJ    | Ok,NS  |
| 11  | Q2032-02    | PL095722.D     | 16 May 2025 14:04 | AR\AJ    | Ok,NS  |
| 12  | Q2032-03    | PL095723.D     | 16 May 2025 14:18 | AR\AJ    | Ok,NS  |
| 13  | Q2032-04    | PL095724.D     | 16 May 2025 14:32 | AR\AJ    | Ok,NS  |
| 14  | Q2032-05MS  | PL095725.D     | 16 May 2025 14:46 | AR\AJ    | Ok,NS  |
| 15  | Q2032-06MSD | PL095726.D     | 16 May 2025 14:59 | AR\AJ    | Ok,NS  |
| 16  | Q2032-07    | PL095727.D     | 16 May 2025 15:13 | AR\AJ    | Ok,NS  |
| 17  | Q2032-08    | PL095728.D     | 16 May 2025 15:27 | AR\AJ    | Ok,NS  |
| 18  | I.BLK       | PL095729.D     | 16 May 2025 15:41 | AR\AJ    | Ok,NS  |
| 19  | PSTDCCC050  | PL095730.D     | 16 May 2025 15:55 | AR\AJ    | Ok,NS  |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051325**

|              |          |                   |                                   |
|--------------|----------|-------------------|-----------------------------------|
| Review By    | Abdul    | Review On         | 5/15/2025 7:53:35 AM              |
| Supervise By | mohammad | Supervise On      | 5/19/2025 1:27:23 AM              |
| SubDirectory | PL051325 | HP Acquire Method | HP Processing Method p051325 8081 |

| STD. NAME                | STD REF.#                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                     |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P<br>P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                     |
| Internal Standard/PEM    |                                                                                                                                                                                     |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                             |
| Surrogate Standard       |                                                                                                                                                                                     |
| MS/MSD Standard          |                                                                                                                                                                                     |
| LCS Standard             |                                                                                                                                                                                     |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment                           | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|-----------------------------------|----------|--------|
| 1   | HEXANE        | HEXANE        | PL095629.D     | 13 May 2025 11:30 |                                   | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PL095630.D     | 13 May 2025 11:43 |                                   | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PL095631.D     | 13 May 2025 11:57 |                                   | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PL095632.D     | 13 May 2025 12:10 |                                   | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PSTDICC100    | PL095633.D     | 13 May 2025 12:24 |                                   | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PL095634.D     | 13 May 2025 12:38 |                                   | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PSTDICC050    | PL095635.D     | 13 May 2025 12:51 |                                   | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PL095636.D     | 13 May 2025 13:05 |                                   | AR\AJ    | Ok,M   |
| 9   | PSTDICC005    | PSTDICC005    | PL095637.D     | 13 May 2025 13:18 |                                   | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PL095638.D     | 13 May 2025 13:32 |                                   | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PL095639.D     | 13 May 2025 13:45 |                                   | AR\AJ    | Ok,M   |
| 12  | PCHLORICC500  | PCHLORICC500  | PL095640.D     | 13 May 2025 13:59 |                                   | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PL095641.D     | 13 May 2025 14:13 |                                   | AR\AJ    | Ok,M   |
| 14  | PCHLORICC050  | PCHLORICC050  | PL095642.D     | 13 May 2025 14:26 |                                   | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PTOXICC1000   | PL095643.D     | 13 May 2025 14:40 | TOX method fail, Single point use | AR\AJ    | Not Ok |
| 16  | PTOXICC750    | PTOXICC750    | PL095644.D     | 13 May 2025 14:54 | TOX method fail, Single point use | AR\AJ    | Not Ok |
| 17  | PTOXICC500    | PTOXICC500    | PL095645.D     | 13 May 2025 15:07 |                                   | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051325**

| Review By                | Abdul                                                                                                                                                                               | Review On         | 5/15/2025 7:53:35 AM               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                                                            | Supervise On      | 5/19/2025 1:27:23 AM               |
| SubDirectory             | PL051325                                                                                                                                                                            | HP Acquire Method | HP Processing Method pl051325 8081 |
| STD. NAME                | STD REF.#                                                                                                                                                                           |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                     |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P<br>P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                     |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                     |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                             |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                     |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                     |                   |                                    |
| LCS Standard             |                                                                                                                                                                                     |                   |                                    |

|    |              |             |            |                   |                                   |       |        |
|----|--------------|-------------|------------|-------------------|-----------------------------------|-------|--------|
| 18 | PTOXICC250   | PTOXICC250  | PL095646.D | 13 May 2025 15:21 | TOX method fail, Single point use | AR\AJ | Not Ok |
| 19 | PTOXICC100   | PTOXICC100  | PL095647.D | 13 May 2025 15:35 | TOX method fail, Single point use | AR\AJ | Not Ok |
| 20 | PSTDICV050   | ICVPL051325 | PL095648.D | 13 May 2025 17:17 | ICV FAIL                          | AR\AJ | Not Ok |
| 21 | PCHLORICV500 | ICVPL051325 | PL095649.D | 13 May 2025 17:31 | ICV FAIL                          | AR\AJ | Not Ok |
| 22 | PTOXICV500   | ICVPL051325 | PL095650.D | 13 May 2025 17:47 | TOX method fail                   | AR\AJ | Not Ok |
| 23 | PSTDICV050   | ICVPL051325 | PL095651.D | 14 May 2025 10:07 |                                   | AR\AJ | Ok     |
| 24 | PCHLORICV500 | ICVPL051325 | PL095652.D | 14 May 2025 10:21 |                                   | AR\AJ | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051425**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 5/15/2025 7:51:50 AM               |
| Supervise By | mohammad | Supervise On      | 5/16/2025 1:55:39 AM               |
| SubDirectory | PL051425 | HP Acquire Method | HP Processing Method pl051325 8081 |

| STD. NAME                | STD REF.#                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                     |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P<br>P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                     |
| Internal Standard/PEM    |                                                                                                                                                                                     |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                             |
| Surrogate Standard       |                                                                                                                                                                                     |
| MS/MSD Standard          |                                                                                                                                                                                     |
| LCS Standard             |                                                                                                                                                                                     |

| Sr# | SampleId    | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE      | HEXANE        | PL095653.D     | 14 May 2025 11:01 |         | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK         | PL095654.D     | 14 May 2025 11:33 |         | AR\AJ    | Ok     |
| 3   | PEM         | PEM           | PL095655.D     | 14 May 2025 11:47 |         | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PSTDCCC050    | PL095656.D     | 14 May 2025 12:00 |         | AR\AJ    | Ok     |
| 5   | PB167989BL  | PB167989BL    | PL095657.D     | 14 May 2025 13:36 |         | AR\AJ    | Ok     |
| 6   | PB167989BS  | PB167989BS    | PL095658.D     | 14 May 2025 13:50 |         | AR\AJ    | Ok     |
| 7   | PB167963TB  | PB167963TB    | PL095659.D     | 14 May 2025 14:35 |         | AR\AJ    | Ok     |
| 8   | Q2001-03    | WC-A4-03-C    | PL095660.D     | 14 May 2025 14:49 |         | AR\AJ    | Ok     |
| 9   | Q2001-03MS  | WC-A4-03-CMS  | PL095661.D     | 14 May 2025 15:03 |         | AR\AJ    | Ok,M   |
| 10  | Q2001-03MSD | WC-A4-03-CMSD | PL095662.D     | 14 May 2025 15:17 |         | AR\AJ    | Ok,M   |
| 11  | Q2001-07    | WC-A1-05-C    | PL095663.D     | 14 May 2025 15:30 |         | AR\AJ    | Ok     |
| 12  | Q2001-11    | WC-A1-06-C    | PL095664.D     | 14 May 2025 15:44 |         | AR\AJ    | Ok,M   |
| 13  | Q2001-15    | WC-A1-07-C    | PL095665.D     | 14 May 2025 15:58 |         | AR\AJ    | Ok     |
| 14  | I.BLK       | I.BLK         | PL095666.D     | 14 May 2025 16:12 |         | AR\AJ    | Ok     |
| 15  | PSTDCCC050  | PSTDCCC050    | PL095667.D     | 14 May 2025 16:26 |         | AR\AJ    | Ok,M   |
| 16  | PB168004BL  | PB168004BL    | PL095668.D     | 14 May 2025 16:41 |         | AR\AJ    | Ok     |
| 17  | PB168004BS  | PB168004BS    | PL095669.D     | 14 May 2025 16:55 |         | AR\AJ    | Ok     |
| 18  | PB168004BSD | PB168004BSD   | PL095670.D     | 14 May 2025 17:08 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051425**

| Review By                | Abdul                                                                                                                                                                               | Review On         | 5/15/2025 7:51:50 AM               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                                                            | Supervise On      | 5/16/2025 1:55:39 AM               |
| SubDirectory             | PL051425                                                                                                                                                                            | HP Acquire Method | HP Processing Method pl051325 8081 |
| STD. NAME                | STD REF.#                                                                                                                                                                           |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                     |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P<br>P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                     |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                     |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                             |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                     |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                     |                   |                                    |
| LCS Standard             |                                                                                                                                                                                     |                   |                                    |

|    |             |              |            |                   |                                                    |       |        |
|----|-------------|--------------|------------|-------------------|----------------------------------------------------|-------|--------|
| 19 | Q2005-01    | 252806       | PL095671.D | 14 May 2025 17:22 | DCB low in both column , TCMX<br>low in 2nd column | AR\AJ | Not Ok |
| 20 | Q2032-11    | FB-05132025  | PL095672.D | 14 May 2025 17:36 |                                                    | AR\AJ | Ok,M   |
| 21 | PB167998BL  | PB167998BL   | PL095673.D | 14 May 2025 17:50 |                                                    | AR\AJ | Ok     |
| 22 | PB167998BS  | PB167998BS   | PL095674.D | 14 May 2025 18:03 |                                                    | AR\AJ | Ok     |
| 23 | Q2019-01    | MH-K         | PL095675.D | 14 May 2025 18:17 |                                                    | AR\AJ | Ok,M   |
| 24 | Q2019-01MS  | MH-KMS       | PL095676.D | 14 May 2025 18:31 |                                                    | AR\AJ | Ok     |
| 25 | Q2019-01MSD | MH-KMSD      | PL095677.D | 14 May 2025 18:45 |                                                    | AR\AJ | Ok     |
| 26 | Q2020-01    | TP-A         | PL095678.D | 14 May 2025 18:59 |                                                    | AR\AJ | Ok,M   |
| 27 | Q2022-02    | COMP-1       | PL095679.D | 14 May 2025 19:12 |                                                    | AR\AJ | Ok,M   |
| 28 | Q2022-04    | COMP-2       | PL095680.D | 14 May 2025 19:26 |                                                    | AR\AJ | Ok,M   |
| 29 | Q2024-01    | PL-02-051325 | PL095681.D | 14 May 2025 19:40 |                                                    | AR\AJ | Ok     |
| 30 | I.BLK       | I.BLK        | PL095682.D | 14 May 2025 20:08 |                                                    | AR\AJ | Ok,M   |
| 31 | PSTDCCC050  | PSTDCCC050   | PL095683.D | 14 May 2025 20:49 |                                                    | AR\AJ | Ok     |

M : Manual Integration

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051625**

|                          |                                                                                                                                                                                     |                   |                                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                                                               | Review On         | 5/19/2025 8:21:04 AM               |
| Supervise By             |                                                                                                                                                                                     | Supervise On      |                                    |
| SubDirectory             | PL051625                                                                                                                                                                            | HP Acquire Method | HP Processing Method pl051325 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                    |                   |                                    |
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                     |                   |                                    |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P<br>P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |                   |                                    |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                     |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                                                                     |                   |                                    |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                             |                   |                                    |
| Surrogate Standard       |                                                                                                                                                                                     |                   |                                    |
| MS/MSD Standard          |                                                                                                                                                                                     |                   |                                    |
| LCS Standard             |                                                                                                                                                                                     |                   |                                    |

| Sr# | SampleId    | ClientID     | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|--------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE      | HEXANE       | PL095712.D     | 16 May 2025 09:58 |         | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK        | PL095713.D     | 16 May 2025 10:12 |         | AR\AJ    | Ok     |
| 3   | PEM         | PEM          | PL095714.D     | 16 May 2025 10:26 |         | AR\AJ    | Ok,NS  |
| 4   | PSTDCCC050  | PSTDCCC050   | PL095715.D     | 16 May 2025 10:39 |         | AR\AJ    | Ok,NS  |
| 5   | PB168040BL  | PB168040BL   | PL095716.D     | 16 May 2025 12:42 |         | AR\AJ    | Ok     |
| 6   | PB168040BS  | PB168040BS   | PL095717.D     | 16 May 2025 12:56 |         | AR\AJ    | Ok     |
| 7   | Q2052-01    | TP-B         | PL095718.D     | 16 May 2025 13:09 |         | AR\AJ    | Ok,NS  |
| 8   | Q2055-01    | OR-02-051525 | PL095719.D     | 16 May 2025 13:23 |         | AR\AJ    | Ok     |
| 9   | Q2057-01    | MH-L         | PL095720.D     | 16 May 2025 13:37 |         | AR\AJ    | Ok,NS  |
| 10  | Q2032-01    | TP-11        | PL095721.D     | 16 May 2025 13:51 |         | AR\AJ    | Ok,NS  |
| 11  | Q2032-02    | TP-29        | PL095722.D     | 16 May 2025 14:04 |         | AR\AJ    | Ok,NS  |
| 12  | Q2032-03    | TP-29-99     | PL095723.D     | 16 May 2025 14:18 |         | AR\AJ    | Ok,NS  |
| 13  | Q2032-04    | TP-24        | PL095724.D     | 16 May 2025 14:32 |         | AR\AJ    | Ok,NS  |
| 14  | Q2032-05MS  | TP-24MS      | PL095725.D     | 16 May 2025 14:46 |         | AR\AJ    | Ok,NS  |
| 15  | Q2032-06MSD | TP-24MSD     | PL095726.D     | 16 May 2025 14:59 |         | AR\AJ    | Ok,NS  |
| 16  | Q2032-07    | TP-37        | PL095727.D     | 16 May 2025 15:13 |         | AR\AJ    | Ok,NS  |
| 17  | Q2032-08    | TP-32        | PL095728.D     | 16 May 2025 15:27 |         | AR\AJ    | Ok,NS  |
| 18  | I.BLK       | I.BLK        | PL095729.D     | 16 May 2025 15:41 |         | AR\AJ    | Ok,NS  |

Instrument ID: ECD\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # PL051625**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 5/19/2025 8:21:04 AM               |
| Supervise By |          | Supervise On      |                                    |
| SubDirectory | PL051625 | HP Acquire Method | HP Processing Method pl051325 8081 |

| STD. NAME                | STD REF.#                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24433,PP24095                                                                                                                                                                     |
| Initial Calibration Stds | PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P<br>P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284 |
| CCC                      | PP24261,PP24273,PP24279,PP24284                                                                                                                                                     |
| Internal Standard/PEM    |                                                                                                                                                                                     |
| ICV/I.BLK                | PP24273,PP24279,PP24284                                                                                                                                                             |
| Surrogate Standard       |                                                                                                                                                                                     |
| MS/MSD Standard          |                                                                                                                                                                                     |
| LCS Standard             |                                                                                                                                                                                     |

|    |            |            |            |                   |  |       |       |
|----|------------|------------|------------|-------------------|--|-------|-------|
| 19 | PSTDCCC050 | PSTDCCC050 | PL095730.D | 16 May 2025 15:55 |  | ARIAJ | Ok,NS |
|----|------------|------------|------------|-------------------|--|-------|-------|

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:15  
In Date: 05/14/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:28  
Out Date: 05/15/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB135767

| Lab ID   | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|----------|
| Q2021-01 | WASTE           | 1      | 1.14           | 10.48        | 11.62                   | 10.41                     | 88.5    |          |
| Q2021-02 | VOC             | 2      | 1.19           | 10.25        | 11.44                   | 9.99                      | 85.9    |          |
| Q2021-03 | 1               | 3      | 1.15           | 10.01        | 11.16                   | 9.88                      | 87.2    |          |
| Q2021-04 | 2               | 4      | 1.18           | 10.25        | 11.43                   | 9.88                      | 84.9    |          |
| Q2021-05 | 3               | 5      | 1.17           | 10.09        | 11.26                   | 10.12                     | 88.7    |          |
| Q2021-06 | 4               | 6      | 1.16           | 10.60        | 11.76                   | 10.5                      | 88.1    |          |
| Q2021-07 | 5               | 7      | 1.18           | 10.60        | 11.78                   | 10.36                     | 86.6    |          |
| Q2021-08 | 6               | 8      | 1.18           | 10.21        | 11.39                   | 10.12                     | 87.6    |          |
| Q2032-01 | TP-11           | 9      | 1.14           | 10.08        | 11.22                   | 8.83                      | 76.3    |          |
| Q2032-02 | TP-29           | 10     | 1.18           | 10.39        | 11.57                   | 10.13                     | 86.1    |          |
| Q2032-03 | TP-29-99        | 11     | 1.19           | 10.40        | 11.59                   | 10.22                     | 86.8    |          |
| Q2032-04 | TP-24           | 12     | 1.15           | 10.70        | 11.85                   | 9.09                      | 74.2    |          |
| Q2032-05 | Q2032-04MS      | 13     | 1.15           | 10.70        | 11.85                   | 9.09                      | 74.2    |          |
| Q2032-06 | Q2032-04MSD     | 14     | 1.15           | 10.70        | 11.85                   | 9.09                      | 74.2    |          |
| Q2032-07 | TP-37           | 15     | 1.19           | 10.00        | 11.19                   | 9.44                      | 82.5    |          |
| Q2032-08 | TP-32           | 16     | 1.17           | 10.08        | 11.25                   | 9.92                      | 86.8    |          |
| Q2034-01 | L3-WC-1         | 17     | 1.14           | 10.24        | 11.38                   | 10.11                     | 87.6    |          |
| Q2034-02 | L3-WC-1-EPH     | 18     | 1.18           | 10.23        | 11.41                   | 10.22                     | 88.4    |          |
| Q2034-03 | L3-WC-1-VOC     | 19     | 1.15           | 10.10        | 11.25                   | 10.19                     | 89.5    |          |
| Q2034-04 | L3-WC-1         | 20     | 1.14           | 10.24        | 11.38                   | 10.11                     | 87.6    |          |
| Q2034-05 | L3-WC-2         | 21     | 1.17           | 10.18        | 11.35                   | 9.88                      | 85.6    |          |
| Q2034-06 | L3-WC-2-EPH     | 22     | 1.18           | 10.71        | 11.89                   | 10.47                     | 86.7    |          |
| Q2034-07 | L3-WC-2-VOC     | 23     | 1.19           | 10.52        | 11.71                   | 10.46                     | 88.1    |          |
| Q2034-09 | L3-WC-3         | 24     | 1.14           | 10.26        | 11.4                    | 9.65                      | 82.9    |          |
| Q2034-10 | L3-WC-3-EPH     | 25     | 1.14           | 10.26        | 11.4                    | 10.11                     | 87.4    |          |
| Q2034-11 | L3-WC-3-VOC     | 26     | 1.19           | 10.53        | 11.72                   | 10.39                     | 87.4    |          |
| Q2034-13 | L3-WC-4         | 27     | 1.18           | 10.51        | 11.69                   | 10.26                     | 86.4    |          |
| Q2034-14 | L3-WC-4-EPH     | 28     | 1.15           | 10.42        | 11.57                   | 10.23                     | 87.1    |          |

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:15  
In Date: 05/14/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:28  
Out Date: 05/15/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB135767

| Lab ID   | Client SampleID   | Dish # | Dish Wt (g) (A) | Sample Wt (g) | Dish + Sample Wt (g) (B) | Dish+Dry Sample Wt (g) (C) | % Solid | Comments    |
|----------|-------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|-------------|
| Q2034-15 | L3-WC-4-VOC       | 29     | 1.15            | 10.37         | 11.52                    | 10.7                       | 92.1    |             |
| Q2034-17 | L3-WC-5           | 30     | 1.13            | 10.76         | 11.89                    | 10.49                      | 87.0    |             |
| Q2034-18 | L3-WC-5-EPH       | 31     | 1.15            | 10.66         | 11.81                    | 10.02                      | 83.2    |             |
| Q2034-19 | L3-WC-5-VOC       | 32     | 1.19            | 10.72         | 11.91                    | 10.6                       | 87.8    |             |
| Q2034-21 | L3-WC-6           | 33     | 1.18            | 10.14         | 11.32                    | 9.92                       | 86.2    |             |
| Q2034-22 | L3-WC-6-EPH       | 34     | 1.14            | 10.08         | 11.22                    | 10.6                       | 93.8    |             |
| Q2034-23 | L3-WC-6-VOC       | 35     | 1.11            | 10.00         | 11.11                    | 9.3                        | 81.9    |             |
| Q2038-01 | 72-11991          | 36     | 1.15            | 10.56         | 11.71                    | 10.81                      | 91.5    |             |
| Q2039-01 | TR-05-05142025    | 37     | 1.18            | 9.92          | 11.1                     | 9.54                       | 84.3    |             |
| Q2039-02 | TR-05-05142025-E2 | 38     | 1.15            | 10.23         | 11.38                    | 10.17                      | 88.2    |             |
| Q2040-01 | 1                 | 39     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q2040-02 | 2                 | 40     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q2040-03 | 3                 | 41     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q2040-04 | 4                 | 42     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q2040-05 | 5                 | 43     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q2040-06 | 6                 | 44     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q2040-07 | 7                 | 45     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | wipe sample |
| Q2041-01 | HIH359A-1-1       | 46     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2041-02 | HIH359A-1-2       | 47     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2041-03 | HIA9895-1-1       | 48     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2041-04 | HIA9895-1-2       | 49     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2041-05 | 250-1-1           | 50     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2041-06 | 250-1-2           | 51     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2041-07 | 250-2-1           | 52     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2041-08 | 250-2-2           | 53     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2042-01 | HEI570L-1-1       | 54     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2042-02 | HEI570L-1-2       | 55     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |
| Q2042-04 | HEI570L-2-1       | 56     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc        |



# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:15  
In Date: 05/14/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:28  
Out Date: 05/15/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB135767

| Lab ID   | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments   |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|------------|
| Q2042-05 | HEI570L-2-2     | 57     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc       |
| Q2043-01 | 281             | 58     | 1.18           | 10.26        | 11.44                   | 9.29                      | 79.0    |            |
| Q2043-02 | 281-E2          | 59     | 1.16           | 10.44        | 11.6                    | 10.6                      | 90.4    |            |
| Q2043-03 | 72-12000        | 60     | 1.19           | 10.35        | 11.54                   | 8.15                      | 67.2    |            |
| Q2043-04 | 72-12000-E2     | 61     | 1.11           | 10.38        | 11.49                   | 6.56                      | 52.5    |            |
| Q2044-01 | 3858            | 62     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample |
| Q2046-01 | BC136902-1-1    | 63     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc       |
| Q2046-02 | BC136902-1-2    | 64     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc       |
| Q2047-01 | SU-04-051425    | 65     | 1.18           | 10.07        | 11.25                   | 10.72                     | 94.7    |            |
| Q2047-02 | SU-04-051425-E2 | 66     | 1.18           | 10.37        | 11.55                   | 10.9                      | 93.7    |            |
| Q2048-01 | L2-WC-1         | 67     | 1.19           | 10.47        | 11.66                   | 10.29                     | 86.9    |            |
| Q2048-02 | L2-WC-1-EPH     | 68     | 1.19           | 10.30        | 11.49                   | 9.87                      | 84.3    |            |
| Q2048-03 | L2-WC-1-VOC     | 69     | 1.18           | 10.31        | 11.49                   | 10.17                     | 87.2    |            |
| Q2048-05 | L2-WC-2         | 70     | 1.16           | 10.26        | 11.42                   | 9.82                      | 84.4    |            |
| Q2048-06 | L2-WC-2-EPH     | 71     | 1.17           | 10.13        | 11.3                    | 9.06                      | 77.9    |            |
| Q2048-07 | L2-WC-2-VOC     | 72     | 1.18           | 10.42        | 11.6                    | 9.88                      | 83.5    |            |
| Q2048-09 | L2-WC-3         | 73     | 1.17           | 10.15        | 11.32                   | 9.02                      | 77.3    |            |
| Q2048-10 | L2-WC-3-EPH     | 74     | 1.18           | 10.07        | 11.25                   | 9.17                      | 79.3    |            |
| Q2048-11 | L2-WC-3-VOC     | 75     | 1.17           | 10.49        | 11.66                   | 9.94                      | 83.6    |            |
| Q2048-13 | L2-WC-4         | 76     | 1.11           | 10.64        | 11.75                   | 10.24                     | 85.8    |            |
| Q2048-14 | L2-WC-4-EPH     | 77     | 1.19           | 10.13        | 11.32                   | 10.04                     | 87.4    |            |
| Q2048-15 | L2-WC-4-VOC     | 78     | 1.13           | 10.07        | 11.2                    | 9.81                      | 86.2    |            |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VB 135767

WorkList Name : %1-051425

WorkList ID : 189504

Department : Wet-Chemistry

Date : 05-14-2025 09:06:51

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q2021-01 | WASTE           | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2021-02 | VOC             | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2021-03 | 1               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2021-04 | 2               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2021-05 | 3               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2021-06 | 4               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2021-07 | 5               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2021-08 | 6               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2032-01 | TP-11           | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | L41                         | 05/12/2025   | Chemtech -SO |
| Q2032-02 | TP-29           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2032-03 | TP-29-99        | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2032-04 | TP-24           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2032-05 | Q2032-04MS      | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2032-06 | Q2032-04MSD     | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2032-07 | TP-37           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2032-08 | TP-32           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-01 | L3-WC-1         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-02 | L3-WC-1-EPH     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-03 | L3-WC-1-VOC     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-04 | L3-WC-1         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-05 | L3-WC-2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |

Date/Time 05-14-25 15:10

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: [Signature]

Date/Time 05-14-25

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JB WOC

# WORKLIST(Hardcopy Internal Chain)

B 135767

WorkList Name : %1-051425      WorkList ID : 189504      Department : Wet-Chemistry      Date : 05-14-2025 09:06:51

| Sample   | Customer Sample   | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q2034-06 | L3-WC-2-EPH       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-07 | L3-WC-2-VOC       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-09 | L3-WC-3           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-10 | L3-WC-3-EPH       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-11 | L3-WC-3-VOC       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-13 | L3-WC-4           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-14 | L3-WC-4-EPH       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-15 | L3-WC-4-VOC       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-17 | L3-WC-5           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-18 | L3-WC-5-EPH       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-19 | L3-WC-5-VOC       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-21 | L3-WC-6           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-22 | L3-WC-6-EPH       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2034-23 | L3-WC-6-VOC       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | Chemtech -SO |
| Q2038-01 | 72-11991          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L31                         | 05/14/2025   | Chemtech -SO |
| Q2039-01 | TR-05-05142025    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2039-02 | TR-05-05142025-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2040-01 | 1                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2040-02 | 2                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2040-03 | 3                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2040-04 | 4                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |

Date/Time 05-14-25 15:10      Date/Time 05-14-25      Date/Time 17:30  
 Raw Sample Received by: SP WOC      Raw Sample Received by: CP SR      Raw Sample Received by: CP SR  
 Raw Sample Relinquished by: CP SR      Raw Sample Relinquished by: SP WOC

# WORKLIST(Hardcopy Internal Chain)

23567

WorkList Name : %1-051425      WorkList ID : 189504      Department : Wet-Chemistry      Date : 05-14-2025 09:06:51

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q2040-05 | 5               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2040-06 | 6               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2040-07 | 7               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2041-01 | HIH359A-1-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2041-02 | HIH359A-1-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2041-03 | HIA9895-1-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2041-04 | HIA9895-1-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2041-05 | 250-1-1         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2041-06 | 250-1-2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2041-07 | 250-2-1         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2041-08 | 250-2-2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2042-01 | HEI570L-1-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2042-02 | HEI570L-1-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2042-04 | HEI570L-2-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2042-05 | HEI570L-2-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2043-01 | 281             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2043-02 | 281-E2          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2043-03 | 72-12000        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2043-04 | 72-12000-E2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L21                         | 05/14/2025   | Chemtech -SO |
| Q2044-01 | 3858            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L31                         | 05/14/2025   | Chemtech -SO |
| Q2046-01 | BC136902-1-1    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L31                         | 05/14/2025   | Chemtech -SO |

Date/Time 05-14-25 13:10  
 Raw Sample Received by: cl sm  
 Raw Sample Relinquished by: cl sm

# WORKLIST(Hardcopy Internal Chain)

87135767

WorkList Name : %1-051425      WorkList ID : 189504      Department : Wet-Chemistry      Date : 05-14-2025 09:06:51

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q2046-02 | BC136902-1-2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L31                         | 05/14/2025   | Chemtech -SO |
| Q2047-01 | SU-04-051425    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | L31                         | 05/14/2025   | Chemtech -SO |
| Q2047-02 | SU-04-051425-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | L31                         | 05/14/2025   | Chemtech -SO |
| Q2048-01 | L2-WC-1         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-02 | L2-WC-1-EPH     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-03 | L2-WC-1-VOC     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-05 | L2-WC-2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-06 | L2-WC-2-EPH     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-07 | L2-WC-2-VOC     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-09 | L2-WC-3         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-10 | L2-WC-3-EPH     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-11 | L2-WC-3-VOC     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-13 | L2-WC-4         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-14 | L2-WC-4-EPH     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |
| Q2048-15 | L2-WC-4-VOC     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | Chemtech -SO |

Date/Time 05-14-25 15:10  
 Raw Sample Received by: gl woc  
 Raw Sample Relinquished by: gl sm  
 Date/Time 05-14-25 17:30  
 Raw Sample Received by: gl sm  
 Raw Sample Relinquished by: gl woc

**SOP ID:** M3510C,3580A-Extraction Pesticide-16  
**Clean Up SOP #:** Florisil  
**Matrix :** Water  
**Weigh By:** N/A  
**Balance check:** N/A  
**Balance ID:** N/A  
**pH Strip Lot#:** E3880  
**Extraction Method:** ☒ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

**Extraction By:** RS  
**Filter By:** RS  
**pH Meter ID:** N/A  
**Hood ID:** 4,5,6,7

**Extraction Start Date :** 05/14/2025  
**Extraction Start Time :** 09:06  
**Extraction End Date :** 05/14/2025  
**Extraction End Time :** 15:15  
**Concentration By:** EH  
**Supervisor By :** RUPESH

| Standardized Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------|----------|---------------------|---------------------|
| Spike Sol 1       | 1.0ML    | 500 PPB             | PP24285             |
| Surrogate         | 1.0ML    | 200 PPB             | PP24460             |
| 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            | E3930      |
| Baked Na2SO4       | N/A            | EP2607     |
| Hexane             | N/A            | E3934      |
| Florisil           | N/A            | E3806      |
| 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 BTS723. Q2032 Added at 10:36 AM.

**KD Bath ID:** WATER BATH-1,2  
**KD Bath Temperature:** 60 °C  
**Envap ID:** NEVAP-02  
**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 5/14/25     | RS (B4 Lab)                             | Y-P. PESTIPUB        |
| 15:20       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 05/14/2025

| Sample ID       | Client Sample ID | Test          | g / mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|---------------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |               |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB168004BL      | PBLK004          | Pesticide-TCL | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | SEP-6       |
| PB168004BS      | PLCS004          | Pesticide-TCL | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 7           |
| PB168004BS<br>D | PLCSD004         | Pesticide-TCL | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 8           |
| Q2005-01        | 252806           | Pesticide-TCL | 990    | 6  | RUPESH         | ritesh     | 10                 | M     |          | 9           |
| Q2032-11        | FB-05132025      | Pesticide-TCL | 980    | 6  | RUPESH         | ritesh     | 10                 | J     |          | 10          |

*[Large handwritten signature]*

RS  
5/14

9:08 AM 5/14/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2005P      WorkList ID : 189503      Department : Extraction      Date : 05-14-2025 09:01:28

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| Q2005-01 | 252806          | Water  | Herbicide     | Cool 4 deg C | PSEG03   | L41                         | 05/09/2025   | 8151A  |
| Q2005-01 | 252806          | Water  | PCB           | Cool 4 deg C | PSEG03   | L41                         | 05/09/2025   | 8082A  |
| Q2005-01 | 252806          | Water  | Pesticide-TCL | Cool 4 deg C | PSEG03   | L41                         | 05/09/2025   | 8081B  |

Date/Time 5/14/25 9:01  
Raw Sample Received by: RS (B44-946)  
Raw Sample Relinquished by: CP

Date/Time 5/14/25 9:30  
Raw Sample Received by: CP  
Raw Sample Relinquished by: RS (B44-946)

8004

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2032      WorkList ID : 189514      Department : Extraction      Date : 05-14-2025 10:36:49

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| Q2032-11 | FB-05132025     | Water  | Herbicide     | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | 8151A  |
| Q2032-11 | FB-05132025     | Water  | PCB           | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | 8082A  |
| Q2032-11 | FB-05132025     | Water  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | 8081B  |
| Q2033-01 | TW-WTS-08       | Water  | PCB           | Cool 4 deg C | ENTA05   | L41                         | 05/12/2025   | 8082A  |

Date/Time 5/14/25 10:36  
Raw Sample Received by: RS (Ext-64)  
Raw Sample Relinquished by: JO CSM

Date/Time 5/14/25 11:00  
Raw Sample Received by: JO CSM  
Raw Sample Relinquished by: RS (Ext-64)

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Extraction Start Date : 05/16/2025

Matrix : Solid

Extraction Start Time : 09:25

Weigh By: EH

Extraction By: RJ

Extraction End Date : 05/16/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:25

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

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             | PP24285             |
| Surrogate     | 1.0ML    | 200 PPB             | PP24460             |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used              | ML/SAMPLE USED | Lot Number |
|----------------------------|----------------|------------|
| Hexane/Acetone/1:1         | N/A            | EP2613     |
| Baked Na2SO4               | N/A            | EP2611     |
| Sand                       | N/A            | E2865      |
| Hexane                     | N/A            | E3934      |
| Florisil                   | N/A            | E3806      |
| 9:1 Hexane:Acetone Mixture | N/A            | EP2596     |
| 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:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

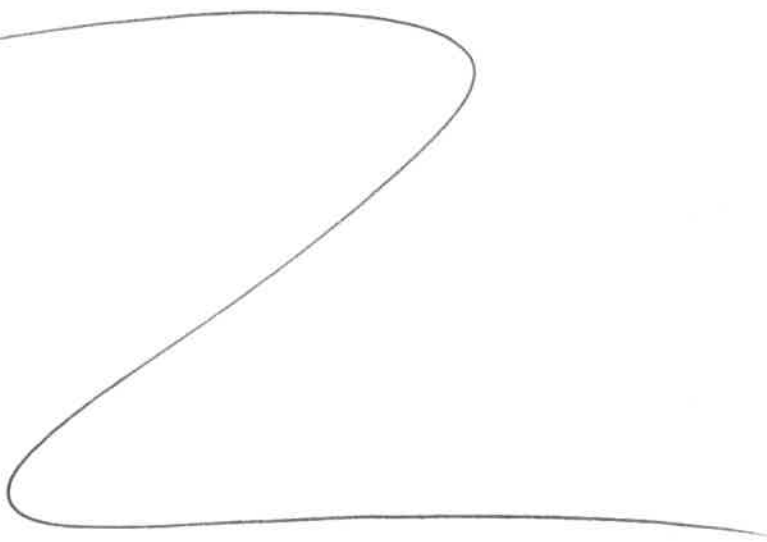
Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 5/16/25     | RS (Ext Lab)                            | Y-P-Peg + PCB        |
| 12:30       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/16/2025

| Sample ID  | Client Sample ID | Test          | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|------------|------------------|---------------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|            |                  |               |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB168040BL | PBLK040          | Pesticide-TCL | 30.01 | N/A | ritesh         | Evelyn     | 10                 |       |          | U1-1        |
| PB168040BS | PLCS040          | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q2032-01   | TP-11            | Pesticide-TCL | 30.05 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q2032-02   | TP-29            | Pesticide-TCL | 30.04 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 4           |
| Q2032-03   | TP-29-99         | Pesticide-TCL | 30.08 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 5           |
| Q2032-04   | TP-24            | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 6           |
| Q2032-05   | Q2032-04MS       | Pesticide-TCL | 30.05 | N/A | ritesh         | Evelyn     | 10                 | E     |          | U2-1        |
| Q2032-06   | Q2032-04MSD      | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 2           |
| Q2032-07   | TP-37            | Pesticide-TCL | 30.03 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q2032-08   | TP-32            | Pesticide-TCL | 30.01 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 4           |
| Q2052-01   | TP-B             | Pesticide-TCL | 30.07 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 5           |
| Q2055-01   | OR-02-051525     | Pesticide-TCL | 30.03 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 6           |
| Q2057-01   | MH-L             | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 | E     |          | U3-1        |



R3  
5/16

16840  
9:25

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2052      WorkList ID : 189547      Department : Extraction      Date : 05-16-2025 08:30:28

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample<br>Storage<br>Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------------|--------------|--------|
| Q2032-01 | TP-11           | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2032-02 | TP-29           | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2032-03 | TP-29-99        | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2032-04 | TP-24           | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2032-05 | Q2032-04MS      | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2032-06 | Q2032-04MSD     | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2032-07 | TP-37           | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2032-08 | TP-32           | Solid  | Pesticide-TCL | Cool 4 deg C | CAMP02   | L41                               | 05/13/2025   | 8081B  |
| Q2052-01 | TP-B            | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | L51                               | 05/14/2025   | 8081B  |
| Q2055-01 | OR-02-051525    | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG05   | L31                               | 05/15/2025   | 8081B  |
| Q2057-01 | MH-L            | Solid  | Pesticide-TCL | Cool 4 deg C | PSEG03   | L41                               | 05/15/2025   | 8081B  |

Date/Time 5/16/25 9:20  
Raw Sample Received by: RJ(Ext 661)  
Raw Sample Relinquished by: OP

Date/Time 5/16/25 10:00  
Raw Sample Received by: OP  
Raw Sample Relinquished by: RJ(Ext 661)

## Prep Standard - Chemical Standard Summary

**Order ID :** Q2032

**Test :** Pesticide-TCL

**Prepbatch ID :** PB168004,PB168040,

**Sequence ID/Qc Batch ID:** pl051425,pl051625,

**Standard ID :**

EP2607,EP2611,EP2613,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24460,

**Chemical ID :**

E2865,E3551,E3806,E3847,E3876,E3877,E3914,E3917,E3930,E3932,E3933,E3934,P12603,P12611,P13037,P13040,P13195,P13245,P13355,P13356,P13405,P13785,P13861,P9052,W3177,



| <u>Recipe ID</u>                                                           | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                  | <u>PipetteID</u> | <u>Supervised By</u>                |
|----------------------------------------------------------------------------|----------------------|------------------------|------------------|------------------------|--------------------|---------------------------------|------------------|-------------------------------------|
| 3923                                                                       | Baked Sodium Sulfate | <a href="#">EP2607</a> | 04/25/2025       | 07/01/2025             | RUPESHKUMAR SHAH   | Extraction_SCALE_2<br>(EX-SC-2) | None             | Riteshkumar Patel<br><br>04/25/2025 |
| <b><u>FROM</u></b> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram |                      |                        |                  |                        |                    |                                 |                  |                                     |

| <u>Recipe ID</u>                                                           | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                  | <u>PipetteID</u> | <u>Supervised By</u>                |
|----------------------------------------------------------------------------|----------------------|------------------------|------------------|------------------------|--------------------|---------------------------------|------------------|-------------------------------------|
| 3923                                                                       | Baked Sodium Sulfate | <a href="#">EP2611</a> | 05/09/2025       | 07/01/2025             | RUPESHKUMAR SHAH   | Extraction_SCALE_2<br>(EX-SC-2) | None             | Riteshkumar Patel<br><br>05/09/2025 |
| <b><u>FROM</u></b> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram |                      |                        |                  |                        |                    |                                 |                  |                                     |

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>            |
|------------------|-------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|---------------------------------|
| 230              | 1:1ACETONE/HEXANE | <a href="#">EP2613</a> | 05/09/2025       | 11/05/2025             | RUPESHKUMAR SHAH   | None           | None             | Riteshkumar Patel<br>05/09/2025 |

**FROM** 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                             | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>         |
|------------------|-----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 4027             | Pesticide resolution Check Mixture 8081 | <a href="#">PP24095</a> | 12/23/2024       | 06/16/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>12/30/2024 |

**FROM** 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP24255</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                 |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                   | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3629             | 20 PPM PEST stock Solution 1st source(RESTEK) | <a href="#">PP24256</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                               |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1472             | 20 PPM Pest Stock Solution 2nd Source | <a href="#">PP24257</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                       |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1273             | 20 PPM Mirex Stock (Primary Source) | <a href="#">PP24258</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>         |
|------------------|----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 3663             | 20 PPM MIREX Stock STD<br>(Secondary source) | <a href="#">PP24259</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>03/12/2025 |

**FROM** 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>         |
|------------------|----------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 3630             | 100/100 PPB PEST Working<br>std.1st Source(RESTEK) | <a href="#">PP24260</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>03/12/2025 |

**FROM** 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 80               | 100/100 PPB Pesticide Working Solution 2nd Source | <a href="#">PP24261</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                                   |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 386              | 1000/100 PPB Chlordane STD (Restek) | <a href="#">PP24262</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                     |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3746             | 1000/100 ppb Chlordane<br>STD-RESTEK 2ND SOURCE | <a href="#">PP24266</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                                 |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 383              | 1000/100 PPB Toxaphene STD<br>(Restek) | <a href="#">PP24267</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                        |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3669             | 1000/100 PPB TOXAPHENE STD<br>2nd source (RESTEK) | <a href="#">PP24268</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                                   |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3631             | 75 PPB ICAL PEST<br>STD(RESTEK) | <a href="#">PP24269</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                 |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3632             | 50 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24270</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                              |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3633             | 25 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24271</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                              |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3634             | 5 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24272</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                             |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3988             | 50 PPB PEST ICV STD(RESTEK) | <a href="#">PP24273</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                             |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 528              | CHLOR 750 PPB STD | <a href="#">PP24274</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                   |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 529              | CHLOR 500 PPB STD | <a href="#">PP24275</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                   |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 530              | CHLOR 250 PPB STD | <a href="#">PP24277</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                   |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3408             | CHLOR 50 PPB STD | <a href="#">PP24278</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                  |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 532              | CHLOR 500 PPB ICV STD | <a href="#">PP24279</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                       |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 533              | TOX 750 PPB STD | <a href="#">PP24280</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                 |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 534              | TOX 500 PPB STD | <a href="#">PP24281</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                 |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 535              | TOX 250 PPB STD | <a href="#">PP24282</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                 |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 2217             | TOX 100 PPB STD | <a href="#">PP24283</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                 |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                   | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3670             | TOX 500 PPB ICV std ( RESTEK) | <a href="#">PP24284</a> | 03/11/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                               |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 79               | 500 PPB Pesticide Spike Solution | <a href="#">PP24285</a> | 03/12/2025       | 08/12/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                  |                         |                  |                        |                    |                |                  | 03/12/2025           |

**FROM** 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP24329</a> | 03/18/2025       | 08/22/2025             | Yogesh Patel       | None           | None             | Abdul Mirza          |
|                  |                                 |                         |                  |                        |                    |                |                  | 04/03/2025           |

**FROM** 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 518              | Pest/PCB I.BLK 20 PPB | <a href="#">PP24433</a> | 03/31/2025       | 08/22/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                       |                         |                  |                        |                    |                |                  | 04/02/2025           |

**FROM** 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP24460</a> | 04/11/2025       | 10/03/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 04/16/2025           |

**FROM** 1.00000ml of P13355 + 999.00000ml of E3917 = Final Quantity: 1000.000 ml

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 06/30/2025      | 04/30/2020 / RAJESH     | 04/28/2020 / RAJESH         | E2865          |

| Supplier                    | ItemCode / ItemName                                    | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 07/01/2025      | 01/03/2024 / Rajesh     | 07/20/2023 / Rajesh         | E3551          |

| Supplier                | ItemCode / ItemName                  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|--------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Agela Technologies Inc. | FS0006 / Cleanert Florisil cartridge | M06518 | 09/25/2025      | 10/01/2024 / Rajesh     | 09/25/2024 / Rajesh         | E3806          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 06/16/2025      | 12/16/2024 / Rajesh     | 12/13/2024 / Rajesh         | E3847          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 08/25/2025      | 02/25/2025 /            | 02/12/2025 / Rajesh         | E3876          |

| Supplier         | ItemCode / ItemName                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 08/12/2025      | 02/12/2025 / Rajesh     | 02/12/2025 / Rajesh         | E3877          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 09/19/2025      | 03/19/2025 / RUPESH     | 03/13/2025 / RUPESH         | E3914          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 10/03/2025      | 04/03/2025 / Rajesh     | 03/31/2025 / Rajesh         | E3917          |

| Supplier         | ItemCode / ItemName                                         | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25A0262002 | 02/20/2026      | 05/02/2025 / RUPESH     | 03/09/2025 / RUPESH         | E3930          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 11/05/2025      | 05/05/2025 / RUPESH     | 04/23/2025 / RUPESH         | E3932          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 11/05/2025      | 05/05/2025 / RUPESH     | 04/23/2025 / RUPESH         | E3933          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026      | 05/12/2025 / RUPESH     | 04/23/2025 / RUPESH         | E3934          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0197993 | 09/11/2025      | 03/10/2025 / Abdul      | 07/03/2023 / Abdul          | P12603         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0193299 | 09/09/2025      | 03/10/2025 / Abdul      | 07/03/2023 / Abdul          | P12611         |

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0200423 | 09/10/2025      | 03/10/2025 / Abdul      | 12/26/2023 / Abdul          | P13037         |

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0199099 | 09/10/2025      | 03/10/2025 / Abdul      | 12/26/2023 / Abdul          | P13040         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 042022 | 09/10/2025      | 03/10/2025 / Abdul      | 01/17/2024 / Abdul          | P13195         |

| Supplier                 | ItemCode / ItemName                             | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 19161 / 8081 pesticide resolution check mixture | 013124 | 06/23/2025      | 12/23/2024 / Abdul      | 02/09/2024 / Abdul          | P13245         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 10/11/2025      | 04/11/2025 / Abdul      | 04/22/2024 / Abdul          | P13355         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 09/18/2025      | 03/18/2025 / yogesh     | 04/22/2024 / Abdul          | P13356         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203038 | 09/09/2025      | 03/10/2025 / Abdul      | 05/15/2024 / Abdul          | P13405         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0214495 | 09/10/2025      | 03/10/2025 / Abdul      | 11/19/2024 / Ankita         | P13785         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0210240 | 09/10/2025      | 03/10/2025 / Abdul      | 12/09/2024 / Abdul          | P13861         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 112018 | 09/10/2025      | 03/10/2025 / Abdul      | 11/01/2019 / Stephen        | P9052          |

### **CHEMICAL RECEIPT LOG BOOK**

| Supplier         | ItemCode / ItemName                          | Lot #      | Expiration Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|------------------|----------------------------------------------|------------|-----------------|----------------------------|--------------------------------|-------------------|
| Seidler Chemical | BA-9262-03 / Hexane,<br>Ultra-Resi (cs/4x4L) | 24G1962003 | 08/22/2025      | 02/03/2025 /<br>jignesh    | 01/31/2025 /<br>jignesh        | W3177             |

Sand  
Purified  
Washed and Ignited



Material No.: 3382-05  
Batch No.: 0000243821  
Manufactured Date: 2018/04/09  
Retest Date: 2025/04/07  
Revision No: 1

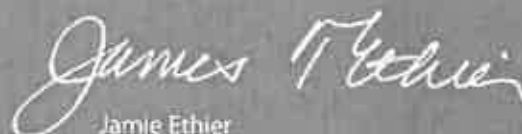
## Certificate of Analysis

| Test                      | Specification | Result |
|---------------------------|---------------|--------|
| Substances Soluble in HCl | $\leq 0.16\%$ | 0.01   |

For Laboratory, Research or Manufacturing Use  
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US  
Packaging Site: Paris Mfg Ctr & DC

E 2865

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MEXICO  
CP 64070  
TEL +52 81 13 52 57 57  
www.pqm.com.mx

## CERTIFICATE OF ANALYSIS

|                        |                                   |               |                                 |
|------------------------|-----------------------------------|---------------|---------------------------------|
| PRODUCT :              | SODIUM SULFATE CRYSTALS ANHYDROUS |               |                                 |
| QUALITY :              | ACS (CODE RMB3375)                | FORMULA :     | Na <sub>2</sub> SO <sub>4</sub> |
| SPECIFICATION NUMBER : | 6399                              | RELEASE DATE: | ABR/21/2023                     |
| LOT NUMBER :           | 313201                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.7 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.1         |
| Insoluble matter                         | Max. 0.01%     | 0.005 %     |
| Loss on ignition                         | Max. 0.5%      | 0.1 %       |
| Chloride (Cl)                            | Max. 0.001%    | <0.001 %    |
| Nitrogen compounds (as N)                | Max. 5 ppm     | <5 ppm      |
| Phosphate (PO <sub>4</sub> )             | Max. 0.001%    | <0.001 %    |
| Heavy metals (as Pb)                     | Max. 5 ppm     | <5 ppm      |
| Iron (Fe)                                | Max. 0.001%    | <0.001 %    |
| Calcium (Ca)                             | Max. 0.01%     | 0.002 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.003 %     |
| Extraction-concentration suitability     | Passes test    | Passes test |
| Appearance                               | Passes test    | Passes test |
| Identification                           | Passes test    | Passes test |
| Solubility and foreign matter            | Passes test    | Passes test |
| Retained on US Standard No. 10 sieve     | Max. 1%        | 0.1 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 97.3 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 2.5 %       |
| Through US Standard No. 100 sieve        | Max. 10%       | 0.1 %       |

### COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

**Cleanert Florisil**

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

**CAT# FS0006**

 Agela Technologies

E 3806



Material No.: 9262-03  
Batch No.: 24G1962003  
Manufactured Date: 2024-05-23  
Expiration Date: 2025-08-22  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | 3           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | ≥ 99.5 %      | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | ≥ 95 %        | 98 %        |
| Color (APHA)                                                                    | ≤ 10          | 5           |
| Residue after Evaporation                                                       | ≤ 1.0 ppm     | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test   | Passes Test |
| Water (by KF, coulometric)                                                      | ≤ 0.05 %      | < 0.01 %    |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847



Jamie Croak  
Director Quality Operations, Bioscience Production

## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

|                   |                                                                                                                                                                                                   |                             |            |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| Catalog Number    | H303                                                                                                                                                                                              | Quality Test / Release Date | 11/07/2024 |
| Lot Number        | 243570                                                                                                                                                                                            |                             |            |
| Description       | HEXANES - OPTIMA                                                                                                                                                                                  |                             |            |
| Country of Origin | United States                                                                                                                                                                                     | Suggested Retest Date       | Nov/2029   |
| Chemical Origin   | Organic - non animal                                                                                                                                                                              |                             |            |
| BSE/TSE Comment   | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. |                             |            |

| N/A                         |            |                                 |                         |
|-----------------------------|------------|---------------------------------|-------------------------|
| Result Name                 | Units      | Specifications                  | Test Value              |
| APPEARANCE                  |            | REPORT                          | Clear, colorless liquid |
| ASSAY (N-HEXANE)            | %          | >= 60                           | 69                      |
| ASSAY (SUM C6 HYDROCARBONS) | %          | >= 99.9                         | >99.9                   |
| COLOR                       | APHA       | <= 5                            | <5                      |
| DENSITY AT 25 DEGREES C     | GM/ML      | Inclusive Between 0.653 - 0.673 | 0.669                   |
| EVAPORATION RESIDUE         | ppm        | <= 1                            | <1                      |
| FLUORESCENCE BACKGROUND     | ppb        | <= 1                            | <1                      |
| IDENTIFICATION              | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| OPTICAL ABS AT 195 NM       | ABS. UNITS | <= 1                            | 0.74                    |
| OPTICAL ABS AT 210 NM       | ABS. UNITS | <= 0.25                         | 0.17                    |
| OPTICAL ABS AT 220 NM       | ABS. UNITS | <= 0.07                         | 0.05                    |
| OPTICAL ABS AT 254 NM       | ABS. UNITS | <= 0.005                        | 0.001                   |
| PESTICIDE RESIDUE ANALYSIS  | NG/L       | <= 10                           | <10                     |
| REFRACTIVE INDEX @ 25 DEG C |            | Inclusive Between 1.375 - 1.385 | 1.379                   |
| SUITABILITY FOR GC/MS       |            | = PASS TEST                     | PASS TEST               |
| SULFUR COMPOUNDS            | %          | <= 0.005                        | <0.005                  |
| THIOPHENE                   | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| WATER (H2O)                 | %          | <= 0.01                         | <0.01                   |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G      | <= 0.0003                       | 0.0001                  |

Recd. by RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

\*Based on suggested storage condition.

## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

|                   |                                                                                                                                                                                                   |                             |            |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| Catalog Number    | H303                                                                                                                                                                                              | Quality Test / Release Date | 11/07/2024 |
| Lot Number        | 243570                                                                                                                                                                                            |                             |            |
| Description       | HEXANES - OPTIMA                                                                                                                                                                                  |                             |            |
| Country of Origin | United States                                                                                                                                                                                     | Suggested Retest Date       | Nov/2029   |
| Chemical Origin   | Organic - non animal                                                                                                                                                                              |                             |            |
| BSE/TSE Comment   | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. |                             |            |

| N/A                         |            |                                 |                         |
|-----------------------------|------------|---------------------------------|-------------------------|
| Result Name                 | Units      | Specifications                  | Test Value              |
| APPEARANCE                  |            | REPORT                          | Clear, colorless liquid |
| ASSAY (N-HEXANE)            | %          | >= 60                           | 69                      |
| ASSAY (SUM C6 HYDROCARBONS) | %          | >= 99.9                         | >99.9                   |
| COLOR                       | APHA       | <= 5                            | <5                      |
| DENSITY AT 25 DEGREES C     | GM/ML      | Inclusive Between 0.653 - 0.673 | 0.669                   |
| EVAPORATION RESIDUE         | ppm        | <= 1                            | <1                      |
| FLUORESCENCE BACKGROUND     | ppb        | <= 1                            | <1                      |
| IDENTIFICATION              | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| OPTICAL ABS AT 195 NM       | ABS. UNITS | <= 1                            | 0.74                    |
| OPTICAL ABS AT 210 NM       | ABS. UNITS | <= 0.25                         | 0.17                    |
| OPTICAL ABS AT 220 NM       | ABS. UNITS | <= 0.07                         | 0.05                    |
| OPTICAL ABS AT 254 NM       | ABS. UNITS | <= 0.005                        | 0.001                   |
| PESTICIDE RESIDUE ANALYSIS  | NG/L       | <= 10                           | <10                     |
| REFRACTIVE INDEX @ 25 DEG C |            | Inclusive Between 1.375 - 1.385 | 1.379                   |
| SUITABILITY FOR GC/MS       |            | = PASS TEST                     | PASS TEST               |
| SULFUR COMPOUNDS            | %          | <= 0.005                        | <0.005                  |
| THIOPHENE                   | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| WATER (H2O)                 | %          | <= 0.01                         | <0.01                   |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G      | <= 0.0003                       | 0.0001                  |

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
 If there are any questions with this certificate, please call at (800) 227-6701.  
 \*Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (μeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)

avantor



Material No.: 9266-A4  
Batch No.: 25A0262002  
Manufactured Date: 2024-11-21  
Expiration Date: 2026-02-20  
Revision No.: 0

## Certificate of Analysis

| Test                                                                                             | Specification  | Result  |
|--------------------------------------------------------------------------------------------------|----------------|---------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                             | $\leq 5$       | 1       |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)                              | $\leq 10$      | 4       |
| Assay (CH <sub>2</sub> Cl <sub>2</sub> ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8\%$  | 99.9%   |
| Color (APHA)                                                                                     | $\leq 10$      | 10      |
| Residue after Evaporation                                                                        | $\leq 1.0$ ppm | 0.8 ppm |
| Titration Acid ( $\mu$ eq/g)                                                                     | $\leq 0.3$     | <0.1    |
| Chloride (Cl)                                                                                    | $\leq 10$ ppm  | <5 ppm  |
| Water (by KF, coulometric)                                                                       | $\leq 0.02\%$  | <0.01%  |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

*J. Croak*

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

 avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (μeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932



Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis

 **avantors**<sup>TM</sup>



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3933



Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3934

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

**RESTEK**

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

**CERTIFIED REFERENCE MATERIAL**

**Certificate of Analysis**  
*chromatographic plus*



**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32021 **Lot No.:** A0193299  
**Description :** Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** April 30, 2029 **Storage:** 10°C or colder  
**Ship:** Ambient

P12616  
↓  
P12615  
Five  
7/3/2023

**CERTIFIED VALUES**

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|----------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | —%     | 1,010.0 µg/mL               | +/- 56.0475                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

**Tech Tips:**

CAS #57-74-9 nomenclature is based on EPA method 8081B.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

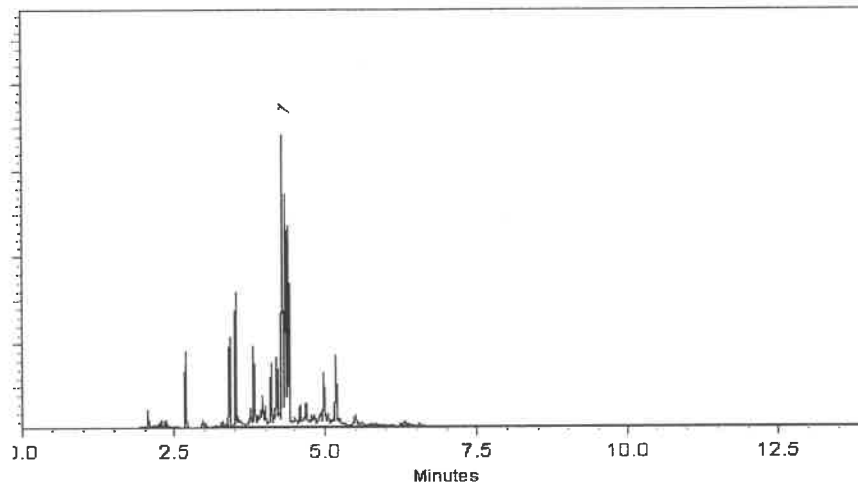
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Bryan Snyder*  
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

*CRm*  
P12611  
↓  
P12615  
⑤  
*CRout*  
7/3/2023



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50),  
1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : June 30, 2027

Storage: 10°C or colder

Ship: Ambient

P130397 5  
↓  
P13043 1  
✓  
12-26-2023

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | alpha-BHC                     | 319-84-6   | 14434500   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 2             | gamma-BHC (Lindane)           | 58-89-9    | 14184400   | 98%    | 200.1 µg/mL                 | +/- 8.9762                             |
| 3             | beta-BHC                      | 319-85-7   | BCCC6425   | 99%    | 200.3 µg/mL                 | +/- 8.9844                             |
| 4             | delta-BHC                     | 319-86-8   | 14450800   | 98%    | 200.0 µg/mL                 | +/- 8.9740                             |
| 5             | Heptachlor                    | 76-44-8    | 813251     | 99%    | 200.1 µg/mL                 | +/- 8.9754                             |
| 6             | Aldrin                        | 309-00-2   | 14389400   | 98%    | 200.0 µg/mL                 | +/- 8.9718                             |
| 7             | Heptachlor epoxide (isomer B) | 1024-57-3  | 14448800   | 99%    | 200.1 µg/mL                 | +/- 8.9754                             |
| 8             | trans-Chlordane               | 5103-74-2  | 32943      | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 9             | cis-Chlordane                 | 5103-71-9  | 31766      | 98%    | 200.1 µg/mL                 | +/- 8.9762                             |
| 10            | Endosulfan I                  | 959-98-8   | BCCF4060   | 99%    | 200.1 µg/mL                 | +/- 8.9754                             |
| 11            | 4,4'-DDE                      | 72-55-9    | GHYQG      | 99%    | 200.1 µg/mL                 | +/- 8.9777                             |
| 12            | Dieldrin                      | 60-57-1    | 11129900   | 98%    | 200.0 µg/mL                 | +/- 8.9718                             |
| 13            | Endrin                        | 72-20-8    | 14123200   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 14            | 4,4'-DDD                      | 72-54-8    | HAN02      | 99%    | 200.1 µg/mL                 | +/- 8.9777                             |
| 15            | Endosulfan II                 | 33213-65-9 | 14374700   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 16            | 4,4'-DDT                      | 50-29-3    | 230410JLMA | 98%    | 200.0 µg/mL                 | +/- 8.9718                             |

|    |                    |            |            |     |       |       |            |
|----|--------------------|------------|------------|-----|-------|-------|------------|
| 17 | Endrin aldehyde    | 7421-93-4  | 30720      | 98% | 200.1 | µg/mL | +/- 8.9784 |
| 18 | Endosulfan sulfate | 1031-07-8  | BCCH9010   | 99% | 200.0 | µg/mL | +/- 8.9732 |
| 19 | Methoxychlor       | 72-43-5    | 13668200   | 99% | 200.1 | µg/mL | +/- 8.9777 |
| 20 | Endrin ketone      | 53494-70-5 | 1-ABS-16-7 | 98% | 200.0 | µg/mL | +/- 8.9740 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)  
**CAS #** 110-54-3/108-88-3  
**Purity** 99%

P13039  
 ↓  
 P13043  
 5  
 1  
 JAW  
 12/26/23

## Quality Confirmation Test

**Column:**  
 30m x .25mm x .2um  
 Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
 helium-constant pressure 20 psi.

**Temp. Program:**  
 150°C to 300°C  
 @ 4°C/min. ( hold 5 min.)

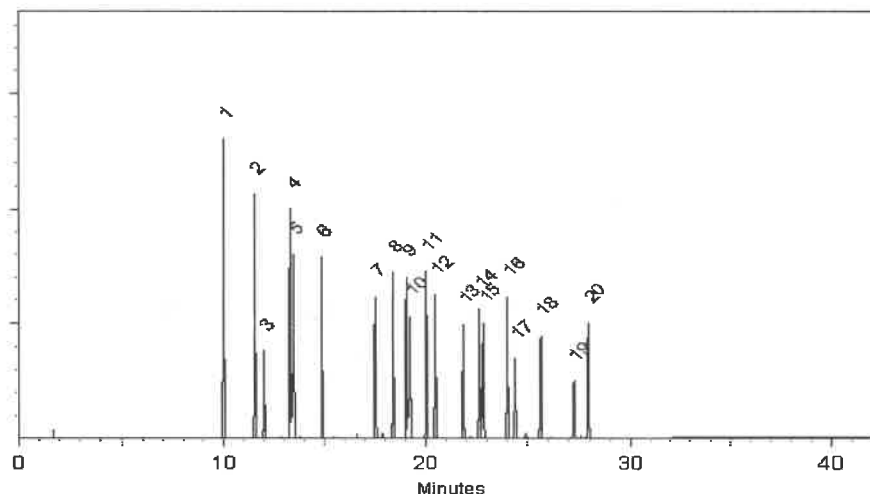
**Inj. Temp:**  
 200°C

**Det. Temp:**  
 300°C

**Det. Type:**  
 ECD

**Split Vent:**  
 Split ratio 50:1

**Inj. Vol**  
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Josh McCloskey*  
 Josh McCloskey - Operations Technician I

**Date Mixed:** 19-Jun-2023

**Balance Serial #** 1128360905

*Jennifer Pollino*  
 Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 23-Jun-2023

Manufactured under Restek's ISO 9001:2015  
 Registered Quality System  
 Certificate #FM 80397

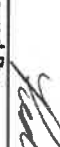
**CERTIFIED WEIGHT REPORT**

|              |               |
|--------------|---------------|
| Part Number: | <u>79136</u>  |
| Lot Number:  | <u>042022</u> |
| Description: | <u>Milrex</u> |

|                    |             |
|--------------------|-------------|
| <b>Solvent(s):</b> | <b>Lot#</b> |
| Acetone            | 81025       |

|                                                          |                    |
|----------------------------------------------------------|--------------------|
| Expiration Date:                                         | 04/20/27           |
| Recommended Storage:                                     | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL):                           | 1000               |
| NIST Test ID#:                                           | 6UTB               |
| Weight(s) shown below were combined and diluted to (mL): | 50.0               |

|       |                     |
|-------|---------------------|
| 5E-05 | Balance Uncertainty |
| 0.006 | Flask Uncertainty   |

|                |                                                                                       |         |
|----------------|---------------------------------------------------------------------------------------|---------|
| Formulated By: |  | 042022Z |
|                | Prashant Chauhan                                                                      | DATE    |
| Reviewed By:   |  | 042022Z |
|                | Pedro L. Remias                                                                       | DATE    |

Reviewed By:

**Pedro L. Rentas**

042022  
DATE[illegible]

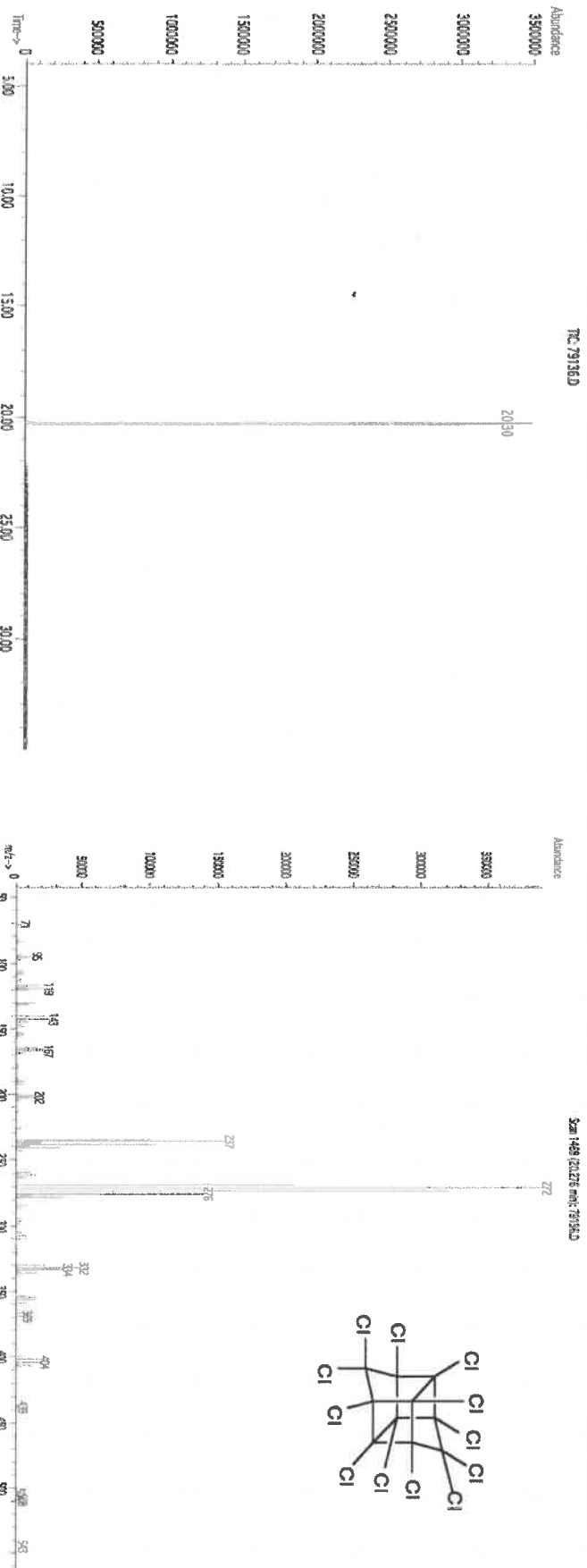
## SDS Information

(Solvent Safety Info. On Attached pg.)

050

|           |     |         |      |      |     |         |         |        |      |           |     |                   |
|-----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|-------------------|
| 1. Mitrex | 437 | 9492400 | 1000 | 99.4 | 0.5 | 0.05034 | 0.05040 | 1001.1 | 10.3 | 2385-85.5 | N/A | off-rail 306mm/ka |
|-----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|-------------------|

**Method GC7MSD-1.M:** Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified  $\pm 0.5\%$  of the stated value, unless otherwise stated.

- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.

- Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

$P_{13,195}$   
 $\downarrow$   
 $P_{13,199}$   
 $\downarrow$   
 $\textcircled{5}$   
 $|$

01/17/2024  
JALIN

5



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32021 **Lot No.:** A0197993  
**Description :** Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 10°C or colder  
**Ship:** Ambient

P 12603  
↓  
P 12605  
[3]  
Kauf  
7/3/2023

### CERTIFIED VALUES

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|----------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | ----%  | 1,005.0 µg/mL               | +/- 55.7700                            |

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

\* Expanded Uncertainty displayed in same units as Grav. Conc.

### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

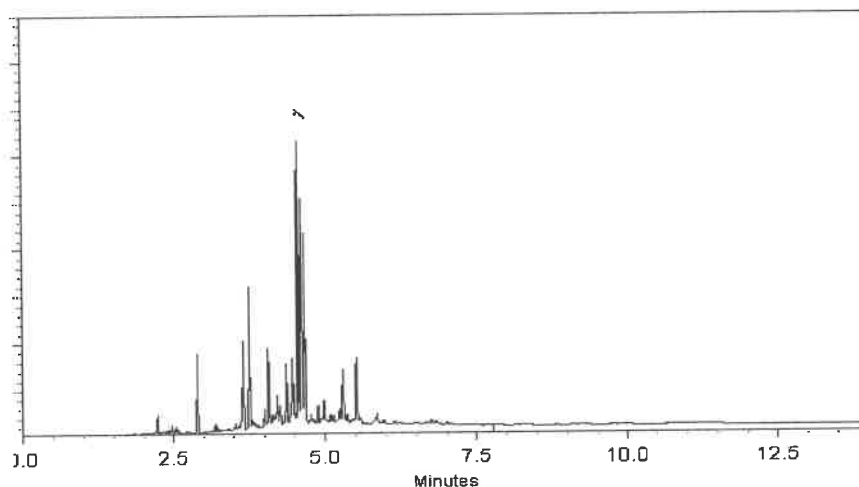
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Morgan Craighead - Mix Technician

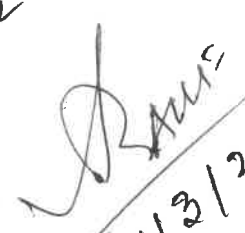
Date Mixed: 11-May-2023

Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 12603 } (3)  
↓  
P 12605  
  
7/3/2023



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No. : 32291

Lot No.: A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2027

Storage: 10°C or colder

Ship: Ambient

P 13034  
↓  
P 13038  
12.26.2023

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | alpha-BHC                     | 319-84-6   | 14434500   | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 2             | gamma-BHC (Lindane)           | 58-89-9    | 14184400   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 3             | beta-BHC                      | 319-85-7   | BCCC6425   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 4             | delta-BHC                     | 319-86-8   | 14450800   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 5             | Heptachlor                    | 76-44-8    | 813251     | 99%    | 202.0 µg/mL                 | +/- 9.0629                             |
| 6             | Aldrin                        | 309-00-2   | 14389400   | 98%    | 200.9 µg/mL                 | +/- 9.0136                             |
| 7             | Heptachlor epoxide (isomer B) | 1024-57-3  | 14448800   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 8             | trans-Chlordane               | 5103-74-2  | 34616      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 9             | cis-Chlordane                 | 5103-71-9  | 31766      | 98%    | 201.4 µg/mL                 | +/- 9.0356                             |
| 10            | Endosulfan I                  | 959-98-8   | BCCF4060   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 11            | 4,4'-DDE                      | 72-55-9    | GHYQG      | 99%    | 201.5 µg/mL                 | +/- 9.0405                             |
| 12            | Dieldrin                      | 60-57-1    | 14515000   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 13            | Endrin                        | 72-20-8    | 14485300   | 98%    | 200.4 µg/mL                 | +/- 8.9916                             |
| 14            | 4,4'-DDD                      | 72-54-8    | HAN02      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 15            | Endosulfan II                 | 33213-65-9 | 14374700   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 16            | 4,4'-DDT                      | 50-29-3    | 230410JLMA | 98%    | 201.9 µg/mL                 | +/- 9.0575                             |

|    |                    |            |          |     |             |            |
|----|--------------------|------------|----------|-----|-------------|------------|
| 17 | Endrin aldehyde    | 7421-93-4  | 30720    | 98% | 201.4 µg/mL | +/- 9.0356 |
| 18 | Endosulfan sulfate | 1031-07-8  | BCCH9010 | 99% | 200.5 µg/mL | +/- 8.9956 |
| 19 | Methoxychlor       | 72-43-5    | 14563200 | 98% | 200.9 µg/mL | +/- 9.0136 |
| 20 | Endrin ketone      | 53494-70-5 | 14537700 | 98% | 199.9 µg/mL | +/- 8.9696 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)  
**CAS #** 110-54-3/108-88-3  
**Purity** 99%

P13034  
P13038  
1  
5  
12/26/2023

## Quality Confirmation Test

**Column:**  
30m x .25mm x .2µm  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
150°C to 300°C  
@ 4°C/min. ( hold 5 min.)

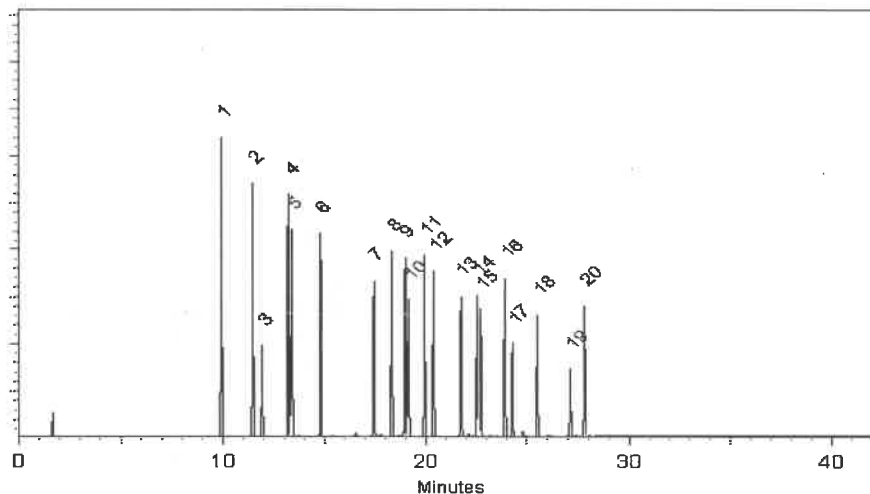
**Inj. Temp:**  
200°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
Split ratio 50:1

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

**Date Mixed:** 31-Jul-2023

**Balance Serial #** B442140311

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 03-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



**CERTIFIED WEIGHT REPORT**

Part Number:  
Lot Number:  
Description:

**19161**  
**013124**  
**CLP Pesticides & PCBs Resolution Check Standard**

Expiration Date:  
Recommended Storage:  
Nominal Concentration (µg/mL):

**9 components**  
**013129**  
**Refrigerate (4 °C)**

**Solvent(s):**  
**Hexane**  
**Toluene**  
**273615**  
**28508**  
**(50%)**  
**(50%)**

NIST Test ID#:

**6UTB**

**5E-05**  
**Balance Uncertainty**  
**Pipet Uncertainty**

Volume(s) shown below were combined and diluted to (mL):

**100.0**

**0.021**

**Balance Uncertainty**  
**Pipet Uncertainty**

|                                      |  |        |
|--------------------------------------|--|--------|
| Formulated By: <i>Lawrence Barry</i> |  | 013124 |
| Reviewed By: <i>Pedro L. Rentes</i>  |  | 013124 |
| DATE                                 |  | DATE   |

**Compound**

|                                 |       |        |       |      |       |        |      |      |            |                  |                   |
|---------------------------------|-------|--------|-------|------|-------|--------|------|------|------------|------------------|-------------------|
| 1. trans-Chlordane              | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 101.3  | 1.0  | 0.02 | 5103-74-2  | 0.5mg/m3 (skin)  | or-rat 500mg/kg   |
| 2. Endosulfan I                 | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 101.3  | 1.0  | 0.02 | 959-98-8   | 0.1mg/m3 (skin)  | or-rat 18mg/kg    |
| 3. 4,4'-DDE                     | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 201.6  | 2.0  | 0.03 | 72-55-9    | N/A              | or-rat 880mg/kg   |
| 4. Dieldrin                     | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.8  | 2.0  | 0.03 | 60-57-1    | 0.25mg/m3 (skin) | or-rat 36300ug/kg |
| 5. Endosulfan sulfate           | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 204.2  | 2.0  | 0.03 | 1031-07-8  | N/A              | or-rat 18mg/kg    |
| 6. Endrin ketone                | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.6  | 2.0  | 0.03 | 53494-70-5 | N/A              | N/A               |
| 7. 4,4'-Methoxychlor            | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 1000.7 | 10.0 | 0.09 | 72-43-5    | 10mg/m3          | or-rat 6000mg/kg  |
| 8. 2,4,5,6-Tetrachloro-m-xylene | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.6  | 2.0  | 0.03 | 877-09-8   | N/A              | N/A               |
| 9. Decachlorobiphenyl (209)     | 19361 | 013124 | 0.010 | 1.00 | 0.004 | 202.0  | 2.0  | 0.03 | 2051-24-3  | N/A              | N/A               |

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110 Benner Circle  
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Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

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↓  
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DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.3 µg/mL                 | +/- 11.1143                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638    | 99%    | 200.6 µg/mL                 | +/- 11.1298                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

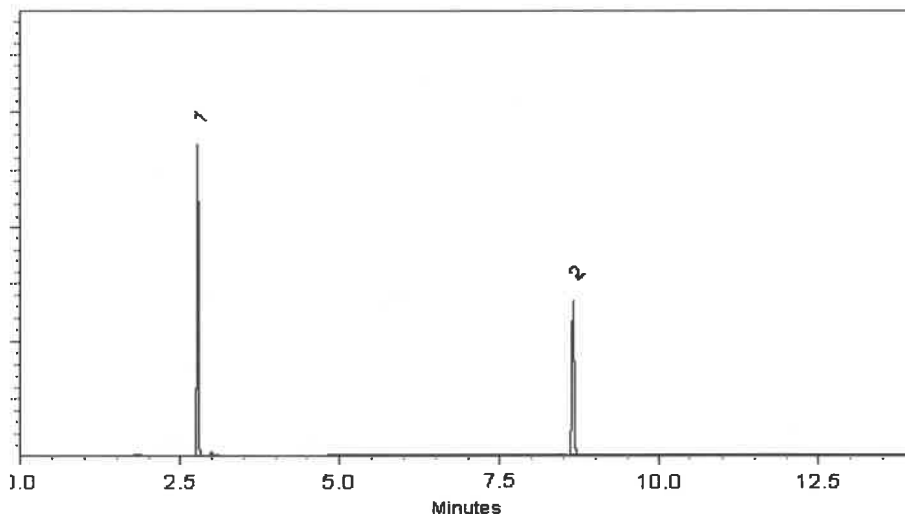
ECD

**Split Vent:**

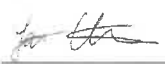
10 ml/min.

**Inj. Vol**

1µl

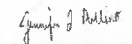


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

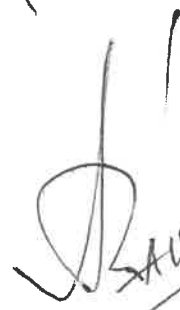
Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 13348  
↓  
P 13357  
10

  
SAUF  
04/25/2025



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348  
↓  
P13357  
10  
DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.3 µg/mL                 | +/- 11.1143                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638    | 99%    | 200.6 µg/mL                 | +/- 11.1298                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

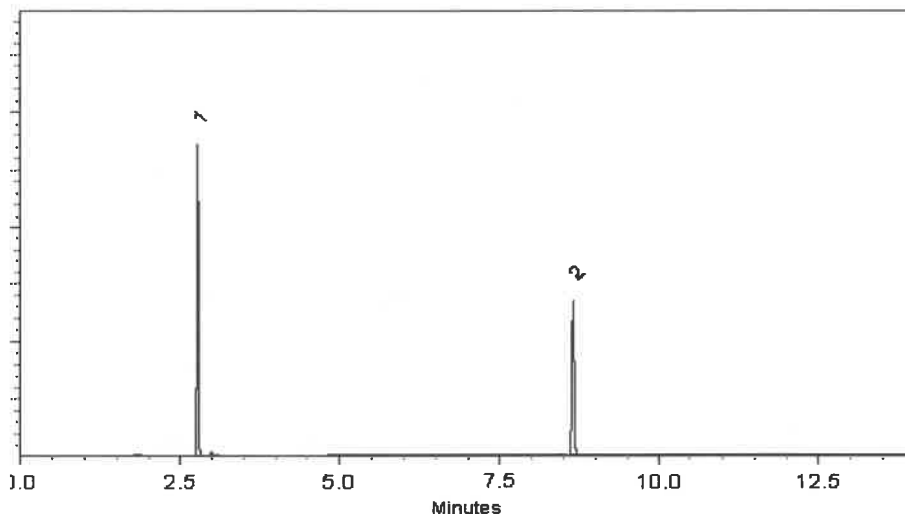
ECD

**Split Vent:**

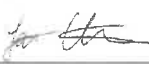
10 ml/min.

**Inj. Vol**

1µl

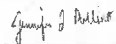


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

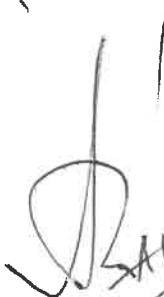
Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 13348  
↓  
P 13357  
10

  
SAUF  
04/25/2025



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Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32005 **Lot No.:** A0203038

**Description :** Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2028 **Storage:** 10°C or colder  
**Ship:** Ambient

P13402  
P13406  
5/22/2024

### CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | ---%   | 1,009.0 µg/mL               | +/- 55.9920                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

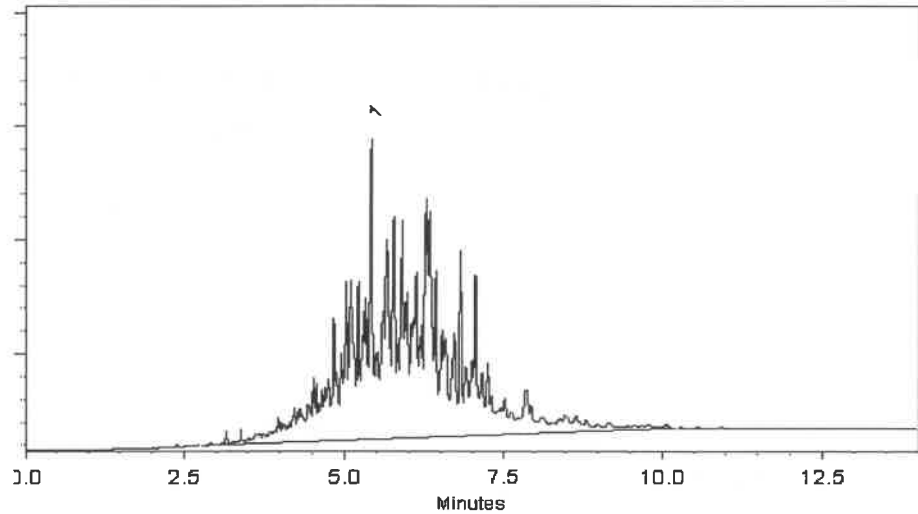
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl

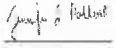


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13402  
↓  
P13406 } (5)  
  
5/22/2024



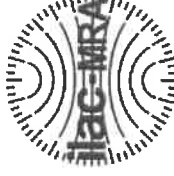
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32000 **Lot No.:** A0214495

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785  
AJ  
11/19/24  
P19789

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.2 µg/mL                 | +/- 11.1087                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.4 µg/mL                 | +/- 11.1753                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

## Quality Confirmation Test

**Column:**  
30m x 25mm x 2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. (hold 10 min.)

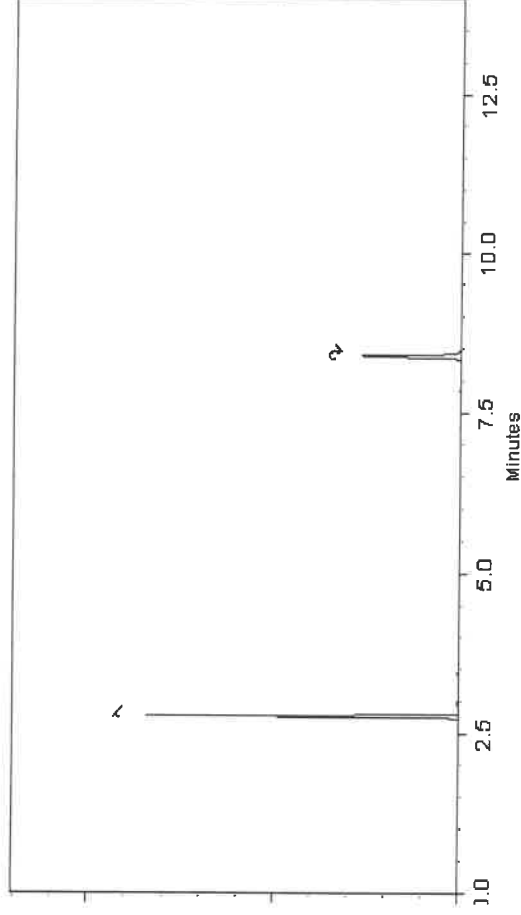
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
10 ml/min.

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A. O. P.*  
**Aaron Enyart - Operations Tech I**

**Date Mixed:** 29-Jul-2024      **Balance Serial #** B345965662

*Jennifer Pollino*  
**Jennifer Pollino - Operations Tech III - ARM QC**

**Date Passed:** 01-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32005 **Lot No.:** A0210240

**Description :** Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | ----%  | 1,009.3 µg/mL               | +/- 56.0105                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

P13861  
P13862

12/9/2024

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

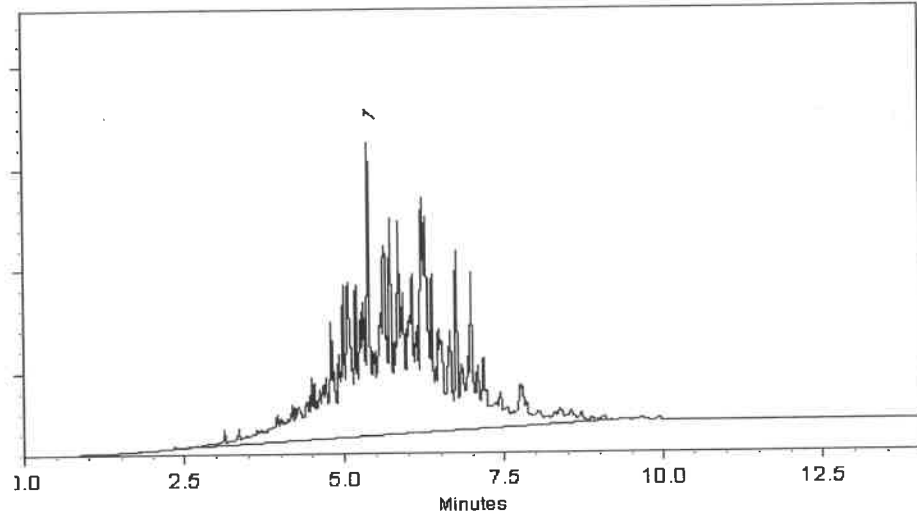
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

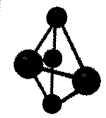
  
Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13861 } ②  
P13862 }

  
12/9/2024



CERTIFIED WEIGHT REPORT

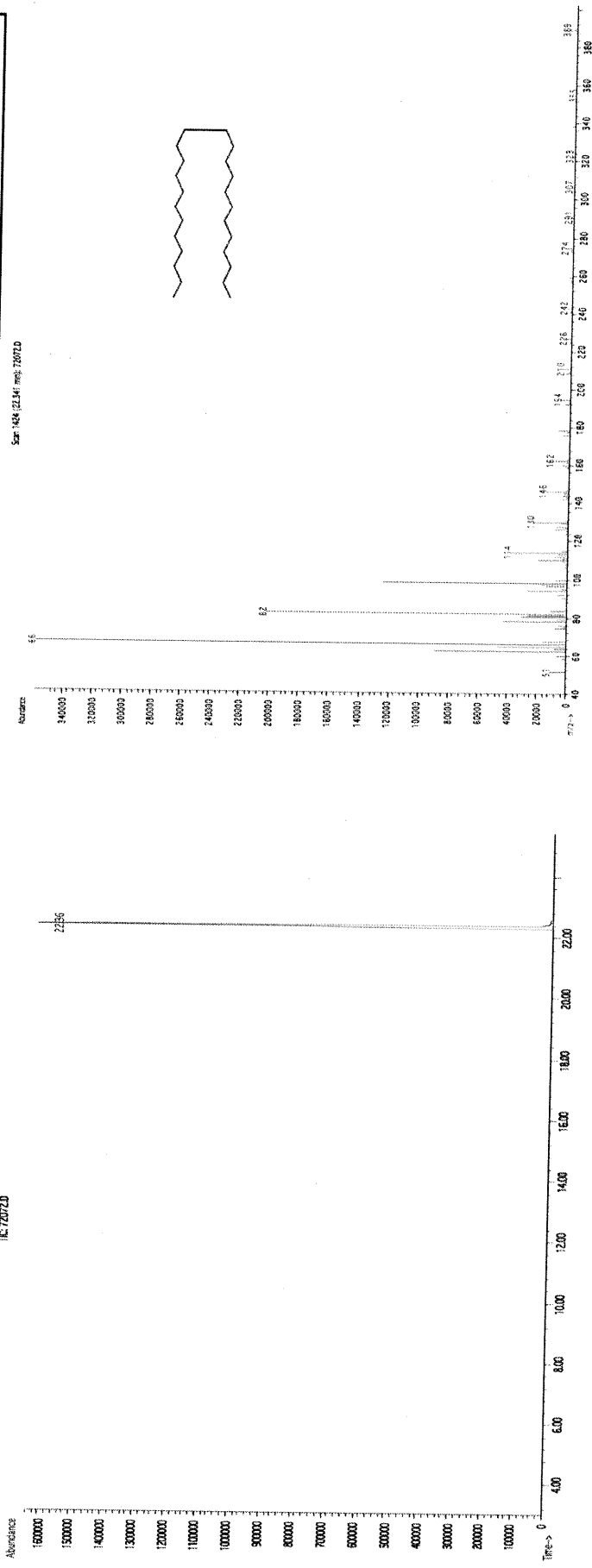
Part Number: **72072**  
Lot Number: **112018**  
Description: **n-Tetracosane-d50**  
  
Expiration Date: **112028**  
Recommended Storage: **Ambient (20 °C)**  
Nominal Concentration (µg/mL): **1000**  
NIST Test ID#: **2684186**  
  
Weight(s) shown below were combined and diluted to (mL):

Solvent(s): **Methylene chloride**  
Lot# **102669**  
  
*Received by*  
*SG on 11/11/19*  
*p9044-p9053*  
5E-05 Balance Uncertainty  
0.058 Flask Uncertainty

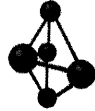
|                         |                  |
|-------------------------|------------------|
| <i>Prashant Chauhan</i> |                  |
| Formulated By:          | Prashant Chauhan |
| DATE                    | 112018           |
| <i>Pedro Rentas</i>     |                  |
| Reviewed By:            | Pedro Rentas     |
| DATE                    | 112018           |

| Compound                                                                                                                                                                                                                                                     | RM#  | Lot Number        | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|----------------------|------------|-------------|-------------------|-------------------|---------------------|------------------------------------|--------------------------------------------------------|
| 1. n-Tetracosane-d50                                                                                                                                                                                                                                         | 2072 | PR-17753/09216TC1 | 1000                 | 98         | 0.2         | 0.20411           | 0.20415           | 1000.2              | 4.2                                | 18416-32-3 N/A                                         |
| Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren. |      |                   |                      |            |             |                   |                   |                     |                                    |                                                        |

TC 720720



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.  
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).  
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.  
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



## Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

### Comments

GC4-M1 Analysis by Melissa Stonier

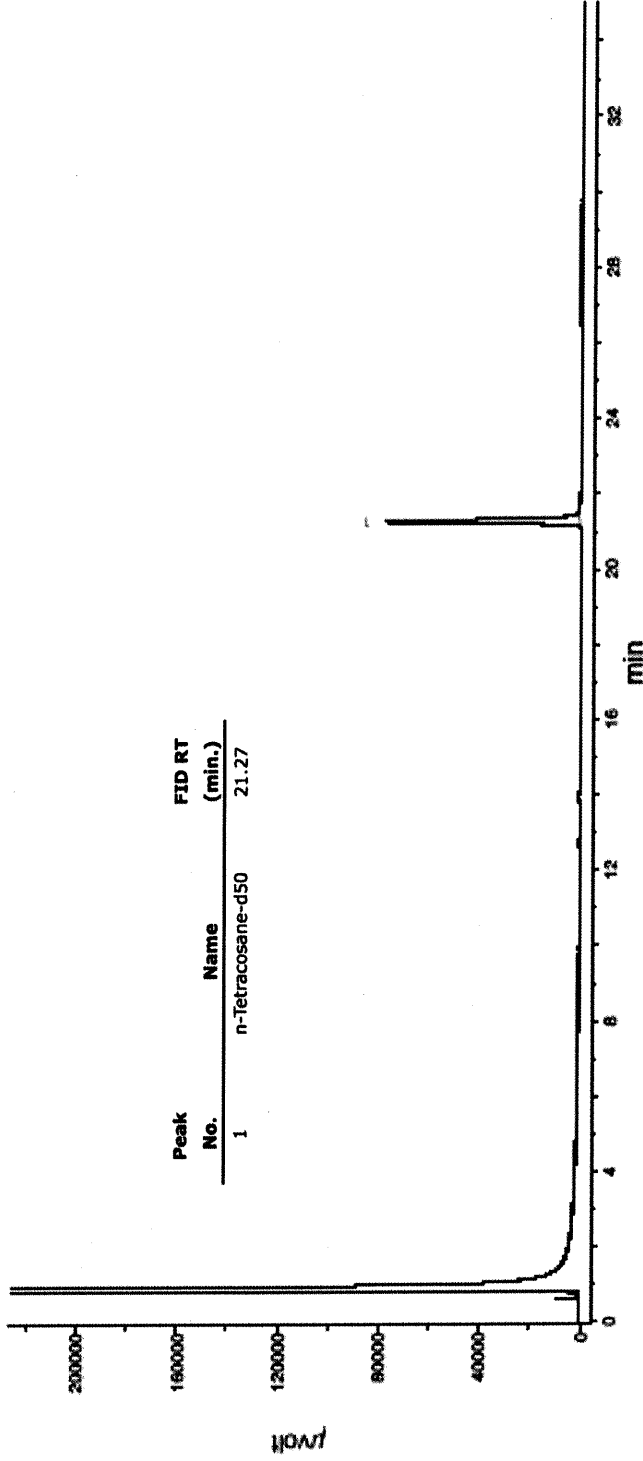
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis



Material No.: 9262-03  
Batch No.: 24G1962003  
Manufactured Date: 2024-05-23  
Expiration Date: 2025-08-22  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification  | Result      |
|---------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | $\leq 5$       | 3           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | $\leq 10$      | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 1           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | $\geq 99.5 \%$ | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | $\geq 95 \%$   | 98 %        |
| Color (APHA)                                                                    | $\leq 10$      | 5           |
| Residue after Evaporation                                                       | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                      | $\leq 0.05 \%$ | < 0.01 %    |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak  
Director Quality Operations, Bioscience Production



# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:  
COMPANY: CDM SMITH  
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR  
CITY EDISON STATE: NJ ZIP: 08837  
ATTENTION: MARCIE ENCINAS  
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT  
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ  
PROJECT MANAGER: MARCIE ENCINAS  
e-mail: ENCINASMA@CDMSMITH.COM  
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:  
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR  
CITY EDISON STATE: NJ ZIP: 08837  
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

DATA TURNAROUND INFORMATION

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

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

1. 2. 3. 4. 5. 6. 7. 8. 9.  
TCL VOC  
TCL SVOC  
METALS  
PCB  
PESTICIDES  
HERBICIDES  
DRO/GRO  
FULL TCLP  
RCRA CHARAL

PRESERVATIVES

COMMENTS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES |   |   |   |   |   |   |   |   |   | ← Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---|---|---|---|---|---|---|---|---|----------------------------------------------------------------------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                            |
| 1.                       | TP-11                            | SOIL             |                | X    | 5/13/25              | 0830 | 6            | X | X | X | X | X | X | X |   |   | E                                                                          |
| 2.                       | TP-29                            | SOIL             |                | X    | 5/13/25              | 1010 | 6            | X | X | X | X | X | X | X |   |   | E                                                                          |
| 3.                       | TP-29-99                         | SOIL             |                | X    | 5/13/25              | 1010 | 6            | X | X | X | X | X | X | X |   |   | E                                                                          |
| 4.                       | TP-24                            | SOIL             |                | X    | 5/13/25              | 1130 | 18           | X | X | X | X | X | X | X |   |   | E; MS/MSI                                                                  |
| 5.                       | TP-37                            | SOIL             |                | X    | 5/13/25              | 1250 | 6            | X | X | X | X | X | X | X |   |   | E                                                                          |
| 6.                       | TP-32                            | SOIL             |                | X    | 5/13/25              | 1330 | 6            | X | X | X | X | X | X | X |   |   | E                                                                          |
| 7.                       | COMP-1                           | SOIL             | X              |      | 5/13/25              | 1405 | 4            |   |   |   |   |   |   |   | X | X | E                                                                          |
| 8.                       | FB-05132025                      | ADUERS           |                | X    | 5/13/25              | 1445 | 10           | X | X | X | X | X | X | X |   |   | E, A, B                                                                    |
| 9.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |                                                                            |
| 10.                      |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |                                                                            |

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

|                                            |                         |                               |                                                                                                                                                                     |
|--------------------------------------------|-------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. [Signature] | DATE/TIME: 5/13/25 1505 | RECEIVED BY: [Signature] 1505 | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP. 3.2 °C |
| RELINQUISHED BY SAMPLER:<br>2. [Signature] | DATE/TIME:              | RECEIVED BY:                  | Comments:                                                                                                                                                           |
| RELINQUISHED BY SAMPLER:<br>3. [Signature] | DATE/TIME: 5-13-25      | RECEIVED BY:                  |                                                                                                                                                                     |

Page \_\_\_\_ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

### 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> Q2032                     | CAMP02 | <b>Order Date :</b> 5/13/2025 4:01:00 PM       | <b>Project Mgr :</b>              |
| <b>Client Name :</b> CDM Smith              |        | <b>Project Name :</b> South River WM Replacem  | <b>Report Type :</b> Level 1      |
| <b>Client Contact :</b> Marcie Ann Encinas  |        | <b>Receive DateTime :</b> 5/13/2025 4:20:00 PM | <b>EDD Type :</b> EXCEL NOCLEANUP |
| <b>Invoice Name :</b> CDM Smith             |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Marcie Ann Encinas |        |                                                | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID   | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD | FAX DATE | DUE DATES    |
|----------|-------------|--------|-------------|-------------|---------------|------------|--------|----------|--------------|
| Q2032-01 | TP-11       | Solid  | 05/13/2025  | 08:30       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2032-02 | TP-29       | Solid  | 05/13/2025  | 10:10       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2032-03 | TP-29-99    | Solid  | 05/13/2025  | 10:10       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2032-04 | TP-24       | Solid  | 05/13/2025  | 11:30       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2032-05 | Q2032-04MS  | Solid  | 05/13/2025  | 11:30       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2032-06 | Q2032-04MSD | Solid  | 05/13/2025  | 11:30       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2032-07 | TP-37       | Solid  | 05/13/2025  | 12:50       | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2032-08 | TP-32       | Solid  | 05/13/2025  | 13:30       |               |            |        |          |              |

## LOGIN REPORT/SAMPLE TRANSFER

|                                             |        |                                                 |                                   |
|---------------------------------------------|--------|-------------------------------------------------|-----------------------------------|
| <b>Order ID :</b> Q2032                     | CAMP02 | <b>Order Date :</b> 5/13/2025 4:01:00 PM        | <b>Project Mgr :</b>              |
| <b>Client Name :</b> CDM Smith              |        | <b>Project Name :</b> South River WM Replacem   | <b>Report Type :</b> Level 1      |
| <b>Client Contact :</b> Marcie Ann Encinas  |        | <b>Receive Date/Time :</b> 5/13/2025 4:20:00 PM | <b>EDD Type :</b> EXCEL NOCLEANUP |
| <b>Invoice Name :</b> CDM Smith             |        | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Marcie Ann Encinas |        |                                                 | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID   | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE | DUE DATES    |
|----------|-------------|--------|-------------|-------------|---------------|------------|----------|----------|--------------|
| Q2032-11 | FB-05132025 | Water  | 05/13/2025  | 14:45       | VOC-TCLVOA-10 |            | 8260D    |          | 10 Bus. Days |
| Q2032-12 | TB          | Water  | 05/13/2025  | 00:00       | VOC-TCLVOA-10 |            | 8260-Low |          | 10 Bus. Days |
|          |             |        |             |             | VOC-TCLVOA-10 |            | 8260-Low |          | 10 Bus. Days |

Relinquished By :

Date / Time : 5/14/25 0940

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

9:50 Rg # 4  
Rg # 6  
B22